Why Do People Cooperate with the Police and Criminal Courts? A Test of Procedural Justice Theory in 30 Countries

Supporting materials, Section S8 (Part 1): R code and output for the main analysis

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Introduction

This document shows the R code that was used for our main analysis, and its output.

The code starts from the point where we read in the dataset (*coopdata*) in a form which is ready for the analysis. The data processing steps which were used to prepare the dataset are not included here. The variables that are used here are described in the text of the paper and supplementary Section S1.

For convenience, tables that collect the estimates of the key parameters are reported at the end of this document.

Analysis code and output

```
#################################################################################################
# Preliminaries and auxiliary functions

library(lavaan)
library(lavaan.survey)
library(rmeta)

# data frame prepared previously as described in the paper
coopdata <- readRDS("coopdata.rds")
names(coopdata)
```

```
##  [1] "ID"       "survey"   "country"  "weight"   "female"   "age"
##  [7] "educ1"    "educ2"    "educ3"    "pj1"      "pj2"      "pj3"
## [13] "dj"       "lawful1"  "lawful2"  "lawf"     "eff1"     "eff2"
## [19] "eff3"     "worry1"   "worry2"   "foc"      "obey1"    "obey2"
## [25] "obey3"    "moralid1" "moralid2" "moralid3" "coop1"    "coop2"
## [31] "coop3"
```

```
country.names <- readRDS("country_names.rds")
country.names[,1:2]
```

```
##    short        long
## 1     AT     Austria
## 2     BE     Belgium
## 3     BG    Bulgaria
## 4     CH Switzerland
```

```
## 5     CY      Cyprus
## 6     CZ     Czech R
## 7     DE     Germany
## 8     DK     Denmark
## 9     EE     Estonia
## 10    ES       Spain
## 11    FI     Finland
## 12    FR      France
## 13    GB          UK
## 14    GR      Greece
## 15    HR     Croatia
## 16    HU     Hungary
## 17    IE     Ireland
## 18    IL      Israel
## 19    LT   Lithuania
## 20    NL Netherlands
## 21    NO      Norway
## 22    PL      Poland
## 23    PT    Portugal
## 24    RU      Russia
## 25    SE      Sweden
## 26    SI    Slovenia
## 27    SK    Slovakia
## 28    UA     Ukraine
## 29    SA          SA
## 30    US          US
```

```
round_df <- function(x, digits) {
  numeric_columns <- sapply(x, mode) == 'numeric'
  x[numeric_columns] <-  round(x[numeric_columns], digits)
  x
}

get.estimates <- function(lhs,rhs,op="~",estimates=coop.estimates$sems,
                          include=c("est","se","pvalue","ci.lower","ci.upper"),add.spaces=NULL){
  if(op!="country.means"){
    countries <- names(estimates)
    res <- data.frame(matrix(NA,length(countries),4+length(include)))
    names(res) <- c("country","lhs","op","rhs",include)
    res$country <- countries
    res$lhs <- lhs
    res$op <- op
    res$rhs <- rhs
    for(i in seq_along(countries)){
      ests.i <- estimates[[countries[i]]]
      ind.i <- (ests.i[,"lhs"]==lhs)&(ests.i[,"op"]==op)&(ests.i[,"rhs"]==rhs)
      res[i,5:ncol(ests.i)] <- ests.i[ind.i,include]
    }
    ind <- match(res[,"country"],country.names[,1])
    res[,"country"] <- country.names[ind,2]
  }
  if(op=="country.means"){
    res <- data.frame(country=estimates[,"ccode"],
                      lhs=lhs,op=op,rhs=NA,
```

```
                      est=estimates[,paste(lhs,"mean",sep=".")],
                      se=estimates[,paste(lhs,"mean.se",sep=".")],
                      p.value=NA,ci.lower=NA,ci.upper=NA)
    res$p.value <- 2*(1-pnorm(abs(res$est/res$se)))
    res$ci.lower <- res$est-qnorm(.975)*res$se
    res$ci.upper <- res$est+qnorm(.975)*res$se
    ind <- match(res[,"country"],country.names[,1])
    res[,"country"] <- country.names[ind,2]
  }
  if(!is.null(add.spaces)){
    res[,"country"] <- add.space(res[,"country"],add.spaces)
  }
  res
}

jk.metaplot <- function (mn, se, nn = NULL, labels = NULL, conf.level = 0.95,
                         xlab = "Odds ratio", ylab = "Study Reference", xlim = NULL,
                         summn = NULL, sumse = NULL, sumnn = NULL, summlabel = "Summary",
                         logeffect = FALSE, lwd = 2, boxsize = 1, zero = as.numeric(logeffect),
                         colors = meta.colors(), xaxt = "s", logticks = TRUE, ...)
{

# This is a slightly revised version of the metaplot function of the rmeta package by Tim Bergsma.

  nth <- function(x, i) {
    x[(i - 1)%%length(x) + 1]
  }
  ci.value <- -qnorm((1 - conf.level)/2)
  ok <- is.finite(mn + se)
  if (is.null(xlim))
    xlim <- c(min(mn[ok] - ci.value * se[ok], na.rm = TRUE),
              max(mn[ok] + ci.value * se[ok], na.rm = TRUE))
  n <- length(mn)
  if (logeffect) {
    xlog <- "x"
    nxlim <- exp(xlim)
  }
  else {
    xlog <- ""
    nxlim <- xlim
  }
  leftedge <- nxlim[1]
  if (!is.null(labels)) {
    if (logeffect)
      nxlim[1] <- nxlim[1]/sqrt(nxlim[2]/nxlim[1])
    #                else nxlim[1] <- nxlim[1] - 0.5 * (nxlim[2] - nxlim[1])
    else nxlim[1] <- nxlim[1] - 0.25 * (nxlim[2] - nxlim[1])
    labels <- as.character(labels)
  }
  par(xaxt = "n", yaxt = "n", bg = colors$background)
  plot(nxlim, c(1, -n - 2 - 3 * !is.null(summn)), type = "n",
       bty = "n", xaxt = "n", yaxt = "n", log = xlog, xlab = xlab,
       ylab = ylab, ..., col.lab = colors$axes)
```

```
par(xaxt = "s")
if (xaxt == "s") {
  if (logeffect) {
    if (logticks) {
      ats <- round(10^pretty(log(exp(xlim), 10), 8,
                             min.n = 6), 2)
      ats <- ats[ats > exp(xlim[1]) & ats < 10^(par("usr")[2])]
      axis(1, at = ats, col = colors$axes, col.axis = colors$axes)
    }
    else {
      ats <- pretty(exp(xlim), 8, min.n = 6)
      ats <- ats[ats > exp(xlim[1]) & ats < 10^(par("usr")[2])]
      axis(1, at = ats, col = colors$axes, col.axis = colors$axes)
    }
  }
  else {
    ats <- pretty(xlim, 6)
    axis(1, at = ats, col = colors$axes, col.axis = colors$axes)
  }
}
if (!is.null(zero) && zero > leftedge)
  abline(v = zero, lty = 2, lwd = 2, col = colors$zero)
ci.value <- -qnorm((1 - conf.level)/2)
lower <- mn - ci.value * se
upper <- mn + ci.value * se
if (logeffect) {
  lower <- exp(lower)
  upper <- exp(upper)
}
for (i in 1:n) {
  if (is.na(lower[i] + upper[i]))
    next
  lines(c(lower[i], upper[i]), c(-i, -i), lwd = lwd, col = nth(colors$lines,
                                                               i), ...)
}
if (!is.null(labels))
  #               text(rep(nxlim[1], n), -(1:n), labels, ..., col = rep(colors$text,
  #                                           length.out = n), adj = c(1,0.2))
  text(rep(ats[1], n), -(1:n), labels, ..., col = rep(colors$text,
                                                      length.out = n), adj = c(1,0.2))
if (is.null(nn))
  nn <- se^-2
yscale <- 0.3 * boxsize/max(sqrt(nn), na.rm = TRUE)
if (logeffect) {
  scale <- (nxlim[2]/nxlim[1])^(yscale/(4 + n))
  xl <- exp(mn) * (scale^-sqrt(nn))
  xr <- exp(mn) * (scale^sqrt(nn))
}
else {
  scale <- yscale * (nxlim[2] - nxlim[1])/(4 + n)
  xl <- mn - scale * sqrt(nn)
  xr <- mn + scale * sqrt(nn)
}
```

```
  yb <- (1:n) - yscale * sqrt(nn)
  yt <- (1:n) + yscale * sqrt(nn)
  for (i in 1:n) {
    if (!is.finite(mn[i]))
      next
    rect(xl[i], -yb[i], xr[i], -yt[i], col = nth(colors$box,
                                                 i), border = nth(colors$box, i))
  }
  if (!is.null(summn)) {
    if (logeffect) {
      x0 <- exp(summn)
      xl <- exp(summn - ci.value * sumse)
      xr <- exp(summn + ci.value * sumse)
    }
    else {
      x0 <- summn
      xl <- summn - ci.value * sumse
      xr <- summn + ci.value * sumse
    }
    y0 <- n + 3
    yb <- n + 3 - sqrt(sumnn) * yscale
    yt <- n + 3 + sqrt(sumnn) * yscale
    polygon(c(xl, x0, xr, x0), -c(y0, yt, y0, yb), col = colors$summary,
            border = colors$summary)
    text(nxlim[1], -y0, labels = summlabel, adj = 0, col = colors$text)
  }
  return(ats)
}

caterpillar.plot <- function (data,group.col="country",est.col="est",se.col="se",
                              select.col=NULL,select.row=NULL,order.rows=NULL,ygrid=FALSE,...)
{
  #
  # Caterpillar plot of estimates (e.g. of regression coeffieints) with confidence intervals
  # plotted across groups (e.g. countries).
  #
  # Arguments:
  #       data: data frame which includes all the numbers
  #       group.col: number of column of the data which contains the group
  #       est.col: number of column of the data which contains the estimates
  #       se.col: number of column which contains the standard errors
  #       select.col: number of column which contains information on which rows will be included. If NU
  #       select.row: value of select.col which identifies the rows which should be included. For examp
  #                       whose coefficient will be plotted.
  #       order.rows: How should the estimates in the plot be ordered? Different possible values:
  #               NULL: no ordering
  #               a numerical vector: order of the rows; for example, this may be the order used for a
  #               "decreasing": descending order of estimates (from top of the plot down)
  #               "increasing": ascending order of estimates
  #       ygrid: if TRUE, horizontal reference lines are drawn for each group (country)
  #
  # The plot is drawn using the metaplot function of the rmeta package.
  #
```

```
  #       ... any other named arguments to be passed on to metaplot, including graphical parameters
  # These include, in particular, xlab, ylab, zero [the overall reference value] and
  #  colors [= meta.colors(all.elements, box="black", lines="gray", summary="black",
  #       zero="lightgray", mirror="lightblue", text="black",
  #       axes="black",background=NA)]
  #
  # Delete all-NA rows
  data <- data[apply(data,1,FUN=function(x){any(!is.na(x))}),]

  # Fill in group (country names) where they are not shown
  if(any(is.na(data[,group.col]))){
    for(i in seq(nrow(data))){
      gi <- data[i,group.col]
      if(!is.na(gi))gnow <- gi
      else data[i,group.col] <- gnow
    }
  }

  # Include only those rows which are to be plotted
  if(!is.null(select.col)){
    data <- data[data[,select.col]==select.row,]
  }

  # Ordering the rows
  if(!is.null(order.rows)){
    if(order.rows[1]=="decreasing") order.rows <- order(data[,est.col],decreasing=T)
    if(order.rows[1]=="increasing") order.rows <- order(data[,est.col],decreasing=F)
    data <- data[order.rows,]
  }


  ats <- jk.metaplot(data[,est.col],data[,se.col],nn=1,labels=data[,group.col],...)

  # Horizontal grid lines from country labels across the plot.
  if(ygrid){
    tmp <- as.list(match.call())$colors
    if(is.null(tmp))lcol <- meta.colors()$lines
    else lcol <- eval(tmp)$lines
    ng <- nrow(data)
    #                xl0 <- rep(par("xaxp")[1]*.75,ng)
    xl0 <- rep(ats[1],ng)
    #                xl1 <- rep(par("xaxp")[2],ng)
    xl1 <- rep(ats[length(ats)],ng)
    yl <- seq(-1,-ng)
    segments(xl0,yl,xl1,yl,lty="dashed",col=lcol)
  }

  return(order.rows)
}

options(warn=-1)

##############################################################################################
```

```
#
# ANALYSIS
#
#############################################################################################
# Step 1: Fit the Measurement models for each latent variable separately,
# using pooled data for all the countries

mod.spec <- '
  pj =~ pj1+pj2+pj3
'
pj.mod <- sem(mod.spec,data=coopdata,std.lv=T,meanstructure=T,missing="fiml")

mod.spec <- '
  eff =~ eff1+eff2+eff3
'
eff.mod <- sem(mod.spec,data=coopdata,std.lv=T,meanstructure=T,missing="fiml")

mod.spec <- '
  obey =~ obey1+obey2+obey3
'
obey.mod <- sem(mod.spec,data=coopdata,std.lv=T,meanstructure=T,missing="fiml")

mod.spec <- '
  moralid =~ moralid1+moralid2+moralid3
'
moralid.mod <- sem(mod.spec,data=coopdata,std.lv=T,meanstructure=T,missing="fiml")

mod.spec <- '
  coop =~ coop1+coop2+coop3
'
coop.mod <- sem(mod.spec,data=coopdata,std.lv=T,meanstructure=T,missing="fiml")

#############################################################################################
# Step 2: The main analyses, with measurement parameters fixed at their values from Step 1
#

# Calculating country means of the (latent and observed) variables
# and standard errors of these estimated means.
#   survey weights are used to calculate these estimates.
# The (unweighted) estimated country variances of the variables are also saved.
#    They are used later only to calculate R2 statistics for the structural model.

pj.mod.spec <- '
  pj =~ 0.579*pj1+0.573*pj2+0.533*pj3
  pj1 ~ 2.766*1; pj2~2.716*1; pj3~2.557*1
  pj1~~0.182*pj1; pj2~~0.146*pj2; pj3~~0.330*pj3;
  pj~1; pj~~pj
'

eff.mod.spec <- '
  eff =~ 1.737*eff1 +1.821*eff2 +1.428*eff3
  eff1 ~ 5.130*1; eff2~4.722*1; eff3~5.684*1
  eff1~~1.365*eff1; eff2~~1.655*eff2; eff3~~3.580*eff3;
```

```
  eff~1; eff~~eff
'

obey.mod.spec <- '
  obey =~ 2.156*obey1 +2.728*obey2 +2.495*obey3
  obey1 ~ 5.702*1; obey2~6.100*1; obey3~5.881*1
  obey1~~4.102*obey1; obey2~~0.689*obey2; obey3~~1.953*obey3;
  obey~1; obey~~obey
'

# Separate model specification for South Africa, because one of the
# measurement items is not included there
obey.mod.spec.SA <- '
  obey =~ 2.728*obey2 +2.495*obey3
  obey2~6.100*1; obey3~5.881*1
  obey2~~0.689*obey2; obey3~~1.953*obey3;
  obey~1; obey~~obey
'

moralid.mod.spec <- '
  moralid =~ 0.727*moralid1 +0.789*moralid2 +0.685*moralid3
  moralid1 ~ 3.495*1; moralid2~3.600*1; moralid3~3.508*1
  moralid1~~0.394*moralid1; moralid2~~0.217*moralid2; moralid3~~0.394*moralid3;
  moralid~1; moralid~~moralid
'

coop.mod.spec <- '
  coop =~ 0.482*coop1 +0.813*coop2 +0.771*coop3
  coop1 ~ 3.407*1; coop2~3.167*1; coop3~2.971*1
  coop1~~0.350*coop1; coop2~~0.045*coop2; coop3~~0.263*coop3;
  coop~1; coop~~coop
'

# Complex survey settings
coop.svy <- svydesign(ids=~1,weights=~weight,data=coopdata)

country.means <- data.frame(ccode=country.names$short,
                            country=country.names$long,
                            pj.mean=NA,pj.mean.se=NA,pj.var=NA,
                            dj.mean=NA,dj.mean.se=NA,dj.var=NA,
                            lawf.mean=NA,lawf.mean.se=NA,lawf.var=NA,
                            eff.mean=NA,eff.mean.se=NA,eff.var=NA,
                            foc.mean=NA,foc.mean.se=NA,foc.var=NA,
                            obey.mean=NA,obey.mean.se=NA,obey.var=NA,
                            moralid.mean=NA,moralid.mean.se=NA,moralid.var=NA,
                            coop.mean=NA,coop.mean.se=NA,coop.var=NA)

# PJ
mod.unw.tmp <- sem(pj.mod.spec,data=coopdata,meanstructure=T,missing="fiml",
                   group="country",group.equal=c("intercepts","loadings","residuals"))
mod.tmp <- lavaan.survey(mod.unw.tmp,coop.svy,estimator="ML")
res.tmp <- lavInspect(mod.tmp,"est")
res.se.tmp <- lavInspect(mod.tmp,"se")
```

```r
names(res.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
names(res.se.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
res.pj.tmp <- res.tmp
res.pj.se.tmp <- res.se.tmp
res.pj.var.tmp <- lavInspect(mod.unw.tmp,"est")

# DJ
res.dj.tmp <- svyby(~dj,~country,coop.svy,svymean,na.rm=T)
res.dj.var.tmp <- by(coopdata$dj,coopdata$country,FUN=var,na.rm=T)

# LAWF
res.lawf.tmp <- svyby(~lawf,~country,coop.svy,svymean,na.rm=T)
res.lawf.var.tmp <- by(coopdata$lawf,coopdata$country,FUN=var,na.rm=T)

# EFF
mod.unw.tmp <- sem(eff.mod.spec,data=coopdata,meanstructure=T,missing="fiml",
                   group="country",group.equal=c("intercepts","loadings","residuals"))
mod.tmp <- lavaan.survey(mod.unw.tmp,coop.svy,estimator="ML")
res.tmp <- lavInspect(mod.tmp,"est")
res.se.tmp <- lavInspect(mod.tmp,"se")
names(res.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
names(res.se.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
res.eff.tmp <- res.tmp
res.eff.se.tmp <- res.se.tmp
res.eff.var.tmp <- lavInspect(mod.unw.tmp,"est")

# FOC
res.foc.tmp <- svyby(~foc,~country,coop.svy,svymean,na.rm=T)
res.foc.var.tmp <- by(coopdata$foc,coopdata$country,FUN=var,na.rm=T)

# OBEY
mod.unw.tmp <- sem(obey.mod.spec,data=coopdata[coopdata$country!="SA",],meanstructure=T,missing="fiml",
                   group="country",group.equal=c("intercepts","loadings","residuals"))
mod.tmp <- lavaan.survey(mod.unw.tmp,coop.svy,estimator="ML")
res.tmp <- lavInspect(mod.tmp,"est")
res.se.tmp <- lavInspect(mod.tmp,"se")
names(res.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
names(res.se.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
res.var.tmp <- lavInspect(mod.unw.tmp,"est")

mod.unw.tmp <- sem(obey.mod.spec.SA,data=coopdata[coopdata$country=="SA",],meanstructure=T,missing="fiml
mod.tmp <- lavaan.survey(mod.unw.tmp,coop.svy,estimator="ML")
res.tmp$SA <- lavInspect(mod.tmp,"est")
res.se.tmp$SA <- lavInspect(mod.tmp,"se")
res.var.tmp$SA <- lavInspect(mod.unw.tmp,"est")
res.obey.tmp <- res.tmp
res.obey.se.tmp <- res.se.tmp
res.obey.var.tmp <- res.var.tmp

# MORALID
mod.unw.tmp <- sem(moralid.mod.spec,data=coopdata,meanstructure=T,missing="fiml",
                   group="country",group.equal=c("intercepts","loadings","residuals"))
mod.tmp <- lavaan.survey(mod.unw.tmp,coop.svy,estimator="ML")
```

```
res.tmp <- lavInspect(mod.tmp,"est")
res.se.tmp <- lavInspect(mod.tmp,"se")
names(res.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
names(res.se.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
res.moralid.tmp <- res.tmp
res.moralid.se.tmp <- res.se.tmp
res.moralid.var.tmp <- lavInspect(mod.unw.tmp,"est")

# COOP
mod.unw.tmp <- sem(coop.mod.spec,data=coopdata,meanstructure=T,missing="fiml",
                   group="country",group.equal=c("intercepts","loadings","residuals"))
mod.tmp <- lavaan.survey(mod.unw.tmp,coop.svy,estimator="ML")
res.tmp <- lavInspect(mod.tmp,"est")
res.se.tmp <- lavInspect(mod.tmp,"se")
names(res.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
names(res.se.tmp) <- names(lavInspect(mod.unw.tmp,"est"))
res.coop.tmp <- res.tmp
res.coop.se.tmp <- res.se.tmp
res.coop.var.tmp <- lavInspect(mod.unw.tmp,"est")

# Collecting the estimates together in one dataframe

for(i in seq(nrow(country.means))){

  c.i <- country.means$ccode[[i]]

  country.means[i,"pj.mean"] <- res.pj.tmp[[c.i]]$alpha
  country.means[i,"pj.mean.se"] <- res.pj.se.tmp[[c.i]]$alpha
  country.means[i,"pj.var"] <- res.pj.var.tmp[[c.i]]$psi

  r.i <- res.dj.tmp[res.dj.tmp$country==c.i,,drop=F]
  country.means[i,"dj.mean"] <- r.i[,"dj"]
  country.means[i,"dj.mean.se"] <- r.i[,"se"]
  country.means[i,"dj.var"] <- res.dj.var.tmp[names(res.dj.var.tmp)==c.i]

  r.i <- res.lawf.tmp[res.lawf.tmp$country==c.i,,drop=F]
  country.means[i,"lawf.mean"] <- r.i[,"lawf"]
  country.means[i,"lawf.mean.se"] <- r.i[,"se"]
  country.means[i,"lawf.var"] <- res.lawf.var.tmp[names(res.lawf.var.tmp)==c.i]

  r.i <- res.foc.tmp[res.foc.tmp$country==c.i,,drop=F]
  country.means[i,"foc.mean"] <- r.i[,"foc"]
  country.means[i,"foc.mean.se"] <- r.i[,"se"]
  country.means[i,"foc.var"] <- res.foc.var.tmp[names(res.foc.var.tmp)==c.i]

  country.means[i,"eff.mean"] <- res.eff.tmp[[c.i]]$alpha
  country.means[i,"eff.mean.se"] <- res.eff.se.tmp[[c.i]]$alpha
  country.means[i,"eff.var"] <- res.eff.var.tmp[[c.i]]$psi

  country.means[i,"moralid.mean"] <- res.moralid.tmp[[c.i]]$alpha
  country.means[i,"moralid.mean.se"] <- res.moralid.se.tmp[[c.i]]$alpha
  country.means[i,"moralid.var"] <- res.moralid.var.tmp[[c.i]]$psi
```

```
  country.means[i,"obey.mean"] <- res.obey.tmp[[c.i]]$alpha
  country.means[i,"obey.mean.se"] <- res.obey.se.tmp[[c.i]]$alpha
  country.means[i,"obey.var"] <- res.obey.var.tmp[[c.i]]$psi

  country.means[i,"coop.mean"] <- res.coop.tmp[[c.i]]$alpha
  country.means[i,"coop.mean.se"] <- res.coop.se.tmp[[c.i]]$alpha
  country.means[i,"coop.var"] <- res.coop.var.tmp[[c.i]]$psi
}

###
# Structural equation models for the variables, fitted separately for each country

# Model specifications

mod.spec <- '
  pj =~ 0.579*pj1 +0.573*pj2 +0.533*pj3
  pj1 ~ 2.766*1; pj2~2.716*1; pj3~2.557*1
  pj1~~0.182*pj1; pj2~~0.146*pj2; pj3~~0.330*pj3;
#
  eff =~ 1.737*eff1 +1.821*eff2 +1.428*eff3
  eff1 ~ 5.130*1; eff2~4.722*1; eff3~5.684*1
  eff1~~1.365*eff1; eff2~~1.655*eff2; eff3~~3.580*eff3;
#
  obey =~ 2.156*obey1 +2.728*obey2 +2.495*obey3
  obey1 ~ 5.702*1; obey2~6.100*1; obey3~5.881*1
  obey1~~4.102*obey1; obey2~~0.689*obey2; obey3~~1.953*obey3;
#
  moralid =~ 0.727*moralid1 +0.789*moralid2 +0.685*moralid3
  moralid1 ~ 3.495*1; moralid2~3.600*1; moralid3~3.508*1
  moralid1~~0.394*moralid1; moralid2~~0.217*moralid2; moralid3~~0.394*moralid3;
#
  coop =~ 0.482*coop1 +0.813*coop2 +0.771*coop3
  coop1 ~ 3.407*1; coop2~3.167*1; coop3~2.971*1
  coop1~~0.350*coop1; coop2~~0.045*coop2; coop3~~0.263*coop3;
#
  pj~1+age+female+educ2+educ3
  dj~1+age+female+educ2+educ3
  lawf~1+age+female+educ2+educ3
  eff~1+age+female+educ2+educ3
  foc~1+age+female+educ2+educ3
  pj~~dj+lawf+eff+foc
  dj~~lawf+eff+foc
  lawf~~eff+foc
  eff~~foc
#
  obey~1+age+female+educ2+educ3+pj+dj+lawf+eff+foc
  moralid~1+age+female+educ2+educ3+pj+dj+lawf+eff+foc
  obey~~moralid
#
  coop~1+age+female+educ2+educ3+pj+eff+foc+obey+moralid
'
mod.spec.SA <- '
  pj =~ 0.579*pj1 +0.573*pj2 +0.533*pj3
```

```
  pj1 ~ 2.766*1; pj2~2.716*1; pj3~2.557*1
  pj1~~0.182*pj1; pj2~~0.146*pj2; pj3~~0.330*pj3;
#
  eff =~ 1.737*eff1 +1.821*eff2 +1.428*eff3
  eff1 ~ 5.130*1; eff2~4.722*1; eff3~5.684*1
  eff1~~1.365*eff1; eff2~~1.655*eff2; eff3~~3.580*eff3;
#
  obey =~ 2.728*obey2 +2.495*obey3
  obey2~6.100*1; obey3~5.881*1
  obey2~~0.689*obey2; obey3~~1.953*obey3;
#
  moralid =~ 0.727*moralid1 +0.789*moralid2 +0.685*moralid3
  moralid1 ~ 3.495*1; moralid2~3.600*1; moralid3~3.508*1
  moralid1~~0.394*moralid1; moralid2~~0.217*moralid2; moralid3~~0.394*moralid3;
#
  coop =~ 0.482*coop1 +0.813*coop2 +0.771*coop3
  coop1 ~ 3.407*1; coop2~3.167*1; coop3~2.971*1
  coop1~~0.350*coop1; coop2~~0.045*coop2; coop3~~0.263*coop3;
#
  pj~1+age+female+educ2+educ3
  dj~1+age+female+educ2+educ3
  lawf~1+age+female+educ2+educ3
  eff~1+age+female+educ2+educ3
  foc~1+age+female+educ2+educ3
  pj~~dj+lawf+eff+foc
  dj~~lawf+eff+foc
  lawf~~eff+foc
  eff~~foc
#
  obey~1+age+female+educ2+educ3+pj+dj+lawf+eff+foc
  moralid~1+age+female+educ2+educ3+pj+dj+lawf+eff+foc
  obey~~moralid
#
  coop~1+age+female+educ2+educ3+pj+eff+foc+obey+moralid
'

# Fitting the models:

countries <- country.names$short
sem.fitted.models <- vector("list",length(countries))
names(sem.fitted.models) <- countries

for(country.i in countries){
#  cat(country.i,"\n")
  data.tmp <- coopdata[coopdata$country==country.i,]
  if(country.i!="SA"){
    sem.fitted.models[[country.i]] <- sem(mod.spec,data=data.tmp,missing="fiml")
  }
  if(country.i=="SA"){
    sem.fitted.models[[country.i]] <- sem(mod.spec.SA,data=data.tmp,missing="fiml")
  }
}
```

```r
# Collecting estimates into one list

coop.estimates <- vector("list",2)
names(coop.estimates) <- c("country.means","sems")
coop.estimates[[1]] <- country.means
coop.estimates[[2]] <- vector("list",length(countries))
names(coop.estimates[[2]]) <- countries

for(country.i in countries){
  coop.estimates$sems[[country.i]] <- parameterEstimates(sem.fitted.models[[country.i]])
}

# Collecting all the coefficients in one data frame:

collect.coefs <- function(data=coop.estimates$sems){
  res <- data.frame(country=get.estimates(lhs="obey",rhs="pj")$country)
  lhs <- c("obey","moralid")
  rhs <- c("pj","dj","lawf","eff","foc")
  for(lhs.i in lhs){
    for(rhs.i in rhs){
      nam.i <- paste(lhs.i,".ON.",rhs.i,sep="")
      res[,nam.i] <- get.estimates(lhs=lhs.i,rhs=rhs.i)$est
    }
  }
  lhs <- c("coop")
  rhs <- c("pj","eff","foc","obey","moralid")
  for(lhs.i in lhs){
    for(rhs.i in rhs){
      nam.i <- paste(lhs.i,".ON.",rhs.i,sep="")
      res[,nam.i] <- get.estimates(lhs=lhs.i,rhs=rhs.i)$est
    }
  }
  res
}
coop.estimates$sem.coefs <- collect.coefs()


# Additional table: sample sizes and R2 statistics by country

extract.n.R2 <- function(country,estimates=coop.estimates,sems=sem.fitted.models){
  n <- lavInspect(sem.fitted.models[[country]],what="nobs")
  var.i <- estimates$country.means
  var.i <- as.numeric(var.i[var.i$country==country,
                            c("moralid.var","obey.var","coop.var")])
  resvar.i <- estimates$sems[[country]]
  ind <- paste0(resvar.i[,1],resvar.i[,2],resvar.i[,3])
  ind <- match(c("moralid~~moralid","obey~~obey","coop~~coop"),ind)
  resvar.i <- as.numeric(resvar.i[ind,"est"])
  res <- c(n,1-resvar.i/var.i)
  names(res) <- c("n","R2.moralid","R2.obey","R2.coop")
  res
}
```

```r
sem.n.and.R2 <- data.frame(ccode=country.names$short,
                           country=country.names$long,
                           n=NA,R2.moralid=NA,R2.obey=NA,R2.coop=NA)

for(i in seq_along(countries)){
  sem.n.and.R2[i,-(1:2)] <- extract.n.R2(countries[i])
}

################################################################################
# Plots and tables of the results

### Estimated structural models for each country, with all the estimates shown:
options(max.print=10000)
print(coop.estimates$sems)
```

```
## $AT
##          lhs op      rhs     est    se       z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000      NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000      NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000      NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000      NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000      NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000      NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000      NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000      NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000      NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000      NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000      NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000      NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000      NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000      NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000      NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000      NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000      NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000      NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000      NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000      NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000      NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000      NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000      NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000      NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000      NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000      NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000      NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000      NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000      NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000      NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000      NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000      NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000      NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000      NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000      NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000      NA     NA    0.394    0.394
```

```
## 37      coop =~    coop1   0.482 0.000      NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000      NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000      NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000      NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000      NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000      NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000      NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000      NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000      NA     NA    0.263    0.263
## 46        pj ~1           -0.040 0.094  -0.428  0.669   -0.225    0.144
## 47        pj  ~      age   0.008 0.001   6.052  0.000    0.006    0.011
## 48        pj  ~   female   0.115 0.049   2.333  0.020    0.018    0.211
## 49        pj  ~    educ2   0.021 0.068   0.308  0.758   -0.112    0.153
## 50        pj  ~    educ3   0.038 0.075   0.500  0.617   -0.110    0.185
## 51        dj ~1            0.013 0.089   0.149  0.882   -0.160    0.187
## 52        dj  ~      age   0.005 0.001   3.604  0.000    0.002    0.007
## 53        dj  ~   female   0.003 0.046   0.059  0.953   -0.087    0.093
## 54        dj  ~    educ2   0.036 0.064   0.568  0.570   -0.089    0.162
## 55        dj  ~    educ3  -0.025 0.071  -0.346  0.729   -0.164    0.114
## 56      lawf ~1            0.139 0.081   1.706  0.088   -0.021    0.298
## 57      lawf  ~      age   0.003 0.001   2.949  0.003    0.001    0.006
## 58      lawf  ~   female  -0.031 0.041  -0.760  0.448   -0.112    0.049
## 59      lawf  ~    educ2   0.071 0.058   1.232  0.218   -0.042    0.184
## 60      lawf  ~    educ3   0.078 0.064   1.228  0.220   -0.047    0.203
## 61       eff ~1            0.269 0.095   2.836  0.005    0.083    0.455
## 62       eff  ~      age   0.006 0.001   4.292  0.000    0.003    0.009
## 63       eff  ~   female   0.112 0.050   2.253  0.024    0.015    0.209
## 64       eff  ~    educ2  -0.043 0.068  -0.633  0.526   -0.177    0.090
## 65       eff  ~    educ3  -0.091 0.076  -1.207  0.227   -0.239    0.057
## 66       foc ~1           -0.756 0.071 -10.625  0.000   -0.895   -0.616
## 67       foc  ~      age   0.008 0.001   7.509  0.000    0.006    0.010
## 68       foc  ~   female   0.226 0.037   6.053  0.000    0.153    0.300
## 69       foc  ~    educ2  -0.007 0.052  -0.129  0.898   -0.108    0.094
## 70       foc  ~    educ3   0.053 0.057   0.925  0.355   -0.059    0.165
## 71        pj ~~       dj   0.540 0.029  18.808  0.000    0.483    0.596
## 72        pj ~~     lawf   0.354 0.025  14.447  0.000    0.306    0.402
## 73        pj ~~      eff   0.655 0.032  20.492  0.000    0.592    0.717
## 74        pj ~~      foc  -0.171 0.022  -7.750  0.000   -0.214   -0.128
## 75        dj ~~     lawf   0.333 0.023  14.417  0.000    0.288    0.378
## 76      eff ~~       dj   0.448 0.028  15.722  0.000    0.392    0.504
## 77        dj ~~      foc  -0.171 0.021  -8.297  0.000   -0.211   -0.130
## 78       eff ~~     lawf   0.345 0.025  13.812  0.000    0.296    0.394
## 79      lawf ~~      foc  -0.117 0.018  -6.450  0.000   -0.153   -0.082
## 80       eff ~~      foc  -0.224 0.023  -9.940  0.000   -0.269   -0.180
## 81      obey ~1           -0.255 0.073  -3.488  0.000   -0.398   -0.112
## 82      obey  ~      age   0.003 0.001   3.210  0.001    0.001    0.005
## 83      obey  ~   female   0.018 0.038   0.482  0.630   -0.056    0.093
## 84      obey  ~    educ2  -0.066 0.051  -1.298  0.194   -0.167    0.034
## 85      obey  ~    educ3  -0.188 0.057  -3.306  0.001   -0.300   -0.077
## 86      obey  ~       pj   0.317 0.030  10.684  0.000    0.259    0.375
## 87      obey  ~       dj  -0.039 0.025  -1.541  0.123   -0.089    0.011
## 88      obey  ~     lawf   0.033 0.029   1.154  0.248   -0.023    0.090
## 89      obey  ~      eff   0.258 0.027   9.595  0.000    0.206    0.311
## 90      obey  ~      foc   0.050 0.023   2.193  0.028    0.005    0.094
```

```
## 91   moralid ~1           -0.150 0.078  -1.917  0.055   -0.302    0.003
## 92   moralid  ~      age   0.004 0.001   3.678  0.000    0.002    0.006
## 93   moralid  ~   female   0.090 0.040   2.248  0.025    0.012    0.168
## 94   moralid  ~    educ2  -0.029 0.054  -0.530  0.596   -0.136    0.078
## 95   moralid  ~    educ3  -0.147 0.060  -2.437  0.015   -0.265   -0.029
## 96   moralid  ~       pj   0.459 0.031  14.925  0.000    0.399    0.520
## 97   moralid  ~       dj   0.190 0.026   7.310  0.000    0.139    0.241
## 98   moralid  ~     lawf   0.045 0.028   1.597  0.110   -0.010    0.101
## 99   moralid  ~      eff   0.046 0.028   1.626  0.104   -0.009    0.101
## 100  moralid  ~      foc  -0.060 0.023  -2.565  0.010   -0.106   -0.014
## 101     obey ~~  moralid   0.124 0.018   6.845  0.000    0.089    0.160
## 102     coop ~1           -0.072 0.078  -0.922  0.357   -0.225    0.081
## 103     coop  ~      age  -0.002 0.001  -2.132  0.033   -0.005    0.000
## 104     coop  ~   female   0.025 0.040   0.620  0.535   -0.054    0.104
## 105     coop  ~    educ2   0.253 0.054   4.651  0.000    0.146    0.360
## 106     coop  ~    educ3   0.392 0.061   6.447  0.000    0.273    0.511
## 107     coop  ~       pj   0.295 0.036   8.169  0.000    0.225    0.366
## 108     coop  ~      eff  -0.217 0.029  -7.438  0.000   -0.274   -0.160
## 109     coop  ~      foc  -0.127 0.024  -5.211  0.000   -0.175   -0.079
## 110     coop  ~     obey   0.035 0.028   1.275  0.202   -0.019    0.089
## 111     coop  ~  moralid   0.107 0.032   3.395  0.001    0.045    0.169
## 112       dj ~~       dj   1.036 0.033  31.001  0.000    0.970    1.101
## 113     lawf ~~     lawf   0.768 0.026  29.939  0.000    0.718    0.818
## 114      foc ~~      foc   0.763 0.023  33.041  0.000    0.718    0.808
## 115       pj ~~       pj   1.094 0.040  27.396  0.000    1.016    1.172
## 116      eff ~~      eff   1.143 0.041  27.861  0.000    1.062    1.223
## 117     obey ~~     obey   0.658 0.023  28.210  0.000    0.612    0.704
## 118  moralid ~~  moralid   0.587 0.025  23.058  0.000    0.537    0.637
## 119     coop ~~     coop   0.765 0.026  29.186  0.000    0.714    0.817
## 120      age ~~      age 337.243 0.000      NA     NA  337.243  337.243
## 121      age ~~   female  -0.374 0.000      NA     NA   -0.374   -0.374
## 122      age ~~    educ2  -0.023 0.000      NA     NA   -0.023   -0.023
## 123      age ~~    educ3  -0.670 0.000      NA     NA   -0.670   -0.670
## 124   female ~~   female   0.249 0.000      NA     NA    0.249    0.249
## 125   female ~~    educ2  -0.008 0.000      NA     NA   -0.008   -0.008
## 126   female ~~    educ3  -0.001 0.000      NA     NA   -0.001   -0.001
## 127    educ2 ~~    educ2   0.249 0.000      NA     NA    0.249    0.249
## 128    educ2 ~~    educ3  -0.152 0.000      NA     NA   -0.152   -0.152
## 129    educ3 ~~    educ3   0.203 0.000      NA     NA    0.203    0.203
## 130      age ~1           45.266 0.000      NA     NA   45.266   45.266
## 131   female ~1            0.523 0.000      NA     NA    0.523    0.523
## 132    educ2 ~1            0.538 0.000      NA     NA    0.538    0.538
## 133    educ3 ~1            0.282 0.000      NA     NA    0.282    0.282
##
## $BE
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
```

```
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1            0.097 0.069  1.399  0.162   -0.039    0.233
## 47        pj  ~      age   0.004 0.001  3.334  0.001    0.001    0.006
## 48        pj  ~   female  -0.007 0.040 -0.181  0.856   -0.085    0.071
## 49        pj  ~    educ2  -0.074 0.052 -1.422  0.155   -0.177    0.028
## 50        pj  ~    educ3   0.050 0.049  1.022  0.307   -0.046    0.145
## 51        dj ~1            0.171 0.080  2.127  0.033    0.013    0.328
## 52        dj  ~      age  -0.001 0.001 -0.867  0.386   -0.004    0.001
## 53        dj  ~   female  -0.024 0.047 -0.519  0.604   -0.116    0.067
## 54        dj  ~    educ2  -0.019 0.061 -0.311  0.756   -0.138    0.100
## 55        dj  ~    educ3  -0.077 0.057 -1.358  0.174   -0.188    0.034
## 56      lawf ~1            0.167 0.077  2.169  0.030    0.016    0.318
## 57      lawf  ~      age   0.000 0.001 -0.346  0.729   -0.003    0.002
## 58      lawf  ~   female  -0.159 0.044 -3.595  0.000   -0.246   -0.072
## 59      lawf  ~    educ2   0.010 0.058  0.169  0.865   -0.104    0.124
## 60      lawf  ~    educ3   0.179 0.054  3.320  0.001    0.073    0.285
## 61       eff ~1            0.076 0.079  0.961  0.337   -0.079    0.231
## 62       eff  ~      age   0.002 0.001  2.013  0.044    0.000    0.005
```

```
## 63       eff  ~   female   0.019 0.046  0.414  0.679   -0.070    0.108
## 64       eff  ~    educ2  -0.159 0.060 -2.662  0.008   -0.276   -0.042
## 65       eff  ~    educ3  -0.136 0.055 -2.453  0.014   -0.245   -0.027
## 66       foc ~1           0.035 0.078  0.452  0.651   -0.118    0.188
## 67       foc  ~      age  -0.002 0.001 -1.793  0.073   -0.005    0.000
## 68       foc  ~   female   0.221 0.045  4.919  0.000    0.133    0.309
## 69       foc  ~    educ2  -0.027 0.059 -0.458  0.647   -0.142    0.088
## 70       foc  ~    educ3   0.040 0.055  0.731  0.465   -0.067    0.147
## 71        pj ~~       dj   0.195 0.020  9.906  0.000    0.156    0.233
## 72        pj ~~     lawf   0.206 0.019 10.864  0.000    0.168    0.243
## 73        pj ~~      eff   0.247 0.020 12.584  0.000    0.209    0.286
## 74        pj ~~      foc  -0.064 0.019 -3.469  0.001   -0.100   -0.028
## 75        dj ~~     lawf   0.162 0.022  7.490  0.000    0.119    0.204
## 76       eff ~~       dj   0.174 0.022  7.814  0.000    0.131    0.218
## 77        dj ~~      foc  -0.008 0.022 -0.353  0.724   -0.050    0.035
## 78       eff ~~     lawf   0.186 0.021  8.753  0.000    0.145    0.228
## 79      lawf ~~      foc  -0.095 0.021 -4.644  0.000   -0.136   -0.055
## 80       eff ~~      foc  -0.040 0.021 -1.894  0.058   -0.081    0.001
## 81      obey ~1          -0.003 0.068 -0.047  0.963   -0.136    0.130
## 82      obey  ~      age  -0.002 0.001 -1.825  0.068   -0.004    0.000
## 83      obey  ~   female  -0.027 0.040 -0.695  0.487   -0.105    0.050
## 84      obey  ~    educ2   0.027 0.051  0.529  0.597   -0.073    0.128
## 85      obey  ~    educ3  -0.005 0.048 -0.102  0.918   -0.099    0.089
## 86      obey  ~       pj   0.313 0.044  7.077  0.000    0.226    0.399
## 87      obey  ~       dj   0.012 0.023  0.540  0.589   -0.033    0.057
## 88      obey  ~     lawf   0.038 0.025  1.536  0.125   -0.010    0.086
## 89      obey  ~      eff   0.124 0.033  3.752  0.000    0.059    0.188
## 90      obey  ~      foc   0.026 0.021  1.214  0.225   -0.016    0.068
## 91   moralid ~1          -0.298 0.067 -4.458  0.000   -0.429   -0.167
## 92   moralid  ~      age   0.004 0.001  4.159  0.000    0.002    0.006
## 93   moralid  ~   female  -0.077 0.039 -1.989  0.047   -0.153   -0.001
## 94   moralid  ~    educ2   0.076 0.050  1.509  0.131   -0.023    0.175
## 95   moralid  ~    educ3   0.083 0.047  1.754  0.080   -0.010    0.175
## 96   moralid  ~       pj   0.636 0.044 14.494  0.000    0.550    0.722
## 97   moralid  ~       dj   0.064 0.022  2.879  0.004    0.021    0.108
## 98   moralid  ~     lawf   0.062 0.024  2.575  0.010    0.015    0.109
## 99   moralid  ~      eff   0.191 0.032  5.895  0.000    0.127    0.254
## 100  moralid  ~      foc   0.001 0.021  0.041  0.967   -0.040    0.042
## 101     obey ~~  moralid   0.068 0.016  4.329  0.000    0.037    0.099
## 102     coop ~1          0.379 0.074  5.131  0.000    0.234    0.524
## 103     coop  ~      age  -0.003 0.001 -2.351  0.019   -0.005    0.000
## 104     coop  ~   female  -0.246 0.042 -5.834  0.000   -0.329   -0.164
## 105     coop  ~    educ2   0.231 0.055  4.212  0.000    0.124    0.339
## 106     coop  ~    educ3   0.302 0.051  5.888  0.000    0.201    0.402
## 107     coop  ~       pj   0.091 0.060  1.504  0.133   -0.028    0.209
## 108     coop  ~      eff   0.029 0.036  0.802  0.423   -0.042    0.099
## 109     coop  ~      foc  -0.006 0.023 -0.249  0.803   -0.050    0.039
## 110     coop  ~     obey   0.007 0.031  0.242  0.809   -0.052    0.067
## 111     coop  ~  moralid   0.049 0.048  1.007  0.314   -0.046    0.143
## 112       dj ~~       dj   0.885 0.031 28.485  0.000    0.824    0.946
## 113     lawf ~~     lawf   0.802 0.028 28.499  0.000    0.747    0.857
## 114      foc ~~      foc   0.854 0.029 29.146  0.000    0.797    0.911
## 115       pj ~~       pj   0.466 0.023 20.112  0.000    0.421    0.512
## 116      eff ~~      eff   0.668 0.030 22.105  0.000    0.608    0.727
```

```
## 117     obey ~~     obey   0.555 0.022 25.021  0.000    0.512    0.599
## 118  moralid ~~  moralid   0.345 0.021 16.109  0.000    0.303    0.387
## 119     coop ~~     coop   0.676 0.025 26.758  0.000    0.627    0.726
## 120      age ~~      age 355.862 0.000     NA     NA  355.862  355.862
## 121      age ~~   female   0.026 0.000     NA     NA    0.026    0.026
## 122      age ~~    educ2  -0.772 0.000     NA     NA   -0.772   -0.772
## 123      age ~~    educ3  -0.707 0.000     NA     NA   -0.707   -0.707
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2  -0.005 0.000     NA     NA   -0.005   -0.005
## 126   female ~~    educ3   0.005 0.000     NA     NA    0.005    0.005
## 127    educ2 ~~    educ2   0.208 0.000     NA     NA    0.208    0.208
## 128    educ2 ~~    educ3  -0.119 0.000     NA     NA   -0.119   -0.119
## 129    educ3 ~~    educ3   0.240 0.000     NA     NA    0.240    0.240
## 130      age ~1           46.742 0.000     NA     NA   46.742   46.742
## 131   female ~1            0.520 0.000     NA     NA    0.520    0.520
## 132    educ2 ~1            0.296 0.000     NA     NA    0.296    0.296
## 133    educ3 ~1            0.402 0.000     NA     NA    0.402    0.402
##
## $BG
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21     obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22    obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23    obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24    obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25    obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26    obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27    obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28  moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29  moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30  moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31 moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32 moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33 moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34 moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
```

```
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.399 0.092 -4.335  0.000   -0.579   -0.218
## 47        pj  ~      age   0.004 0.001  2.822  0.005    0.001    0.007
## 48        pj  ~   female  -0.002 0.049 -0.049  0.961   -0.098    0.093
## 49        pj  ~    educ2  -0.151 0.057 -2.662  0.008   -0.262   -0.040
## 50        pj  ~    educ3  -0.225 0.067 -3.338  0.001   -0.357   -0.093
## 51        dj ~1           -0.419 0.085 -4.917  0.000   -0.586   -0.252
## 52        dj  ~      age   0.005 0.001  3.976  0.000    0.003    0.008
## 53        dj  ~   female   0.022 0.046  0.470  0.639   -0.068    0.111
## 54        dj  ~    educ2   0.076 0.053  1.431  0.152   -0.028    0.180
## 55        dj  ~    educ3   0.060 0.063  0.944  0.345   -0.064    0.183
## 56      lawf ~1           -0.821 0.085 -9.691  0.000   -0.987   -0.655
## 57      lawf  ~      age   0.006 0.001  4.961  0.000    0.004    0.009
## 58      lawf  ~   female   0.010 0.044  0.221  0.825   -0.076    0.096
## 59      lawf  ~    educ2  -0.060 0.053 -1.138  0.255   -0.163    0.043
## 60      lawf  ~    educ3  -0.097 0.061 -1.572  0.116   -0.217    0.024
## 61       eff ~1           -0.055 0.093 -0.595  0.552   -0.237    0.127
## 62       eff  ~      age   0.000 0.001 -0.209  0.834   -0.003    0.002
## 63       eff  ~   female   0.011 0.049  0.214  0.831   -0.086    0.107
## 64       eff  ~    educ2  -0.225 0.057 -3.948  0.000   -0.337   -0.114
## 65       eff  ~    educ3  -0.455 0.068 -6.697  0.000   -0.588   -0.322
## 66       foc ~1           -0.647 0.086 -7.526  0.000   -0.816   -0.479
## 67       foc  ~      age   0.010 0.001  7.710  0.000    0.007    0.012
## 68       foc  ~   female   0.433 0.046  9.440  0.000    0.343    0.523
## 69       foc  ~    educ2   0.394 0.053  7.484  0.000    0.290    0.497
## 70       foc  ~    educ3   0.381 0.063  6.073  0.000    0.258    0.504
## 71        pj ~~       dj   0.510 0.028 18.018  0.000    0.454    0.565
## 72        pj ~~     lawf   0.532 0.028 18.950  0.000    0.477    0.586
## 73        pj ~~      eff   0.840 0.033 25.124  0.000    0.775    0.906
## 74        pj ~~      foc  -0.227 0.027 -8.313  0.000   -0.280   -0.173
## 75        dj ~~     lawf   0.369 0.025 14.972  0.000    0.321    0.418
## 76       eff ~~       dj   0.485 0.028 17.176  0.000    0.429    0.540
## 77        dj ~~      foc  -0.087 0.025 -3.462  0.001   -0.136   -0.038
## 78       eff ~~     lawf   0.501 0.028 17.739  0.000    0.446    0.557
## 79      lawf ~~      foc  -0.130 0.024 -5.371  0.000   -0.178   -0.083
## 80       eff ~~      foc  -0.246 0.028 -8.930  0.000   -0.300   -0.192
## 81      obey ~1           -0.324 0.102 -3.185  0.001   -0.524   -0.125
## 82      obey  ~      age   0.004 0.001  2.550  0.011    0.001    0.007
## 83      obey  ~   female  -0.015 0.052 -0.285  0.776   -0.116    0.087
## 84      obey  ~    educ2  -0.158 0.060 -2.639  0.008   -0.274   -0.041
## 85      obey  ~    educ3  -0.202 0.071 -2.845  0.004   -0.342   -0.063
## 86      obey  ~       pj   0.288 0.052  5.502  0.000    0.186    0.391
## 87      obey  ~       dj   0.015 0.035  0.430  0.667   -0.053    0.083
## 88      obey  ~     lawf   0.013 0.042  0.312  0.755   -0.069    0.095
```

```
## 89      obey  ~      eff   0.196 0.046  4.251  0.000    0.106    0.286
## 90      obey  ~      foc  -0.035 0.024 -1.465  0.143   -0.082    0.012
## 91   moralid ~1           -0.132 0.082 -1.606  0.108   -0.293    0.029
## 92   moralid  ~      age   0.003 0.001  2.684  0.007    0.001    0.006
## 93   moralid  ~   female   0.073 0.042  1.744  0.081   -0.009    0.155
## 94   moralid  ~    educ2  -0.043 0.048 -0.896  0.370   -0.138    0.052
## 95   moralid  ~    educ3   0.003 0.058  0.058  0.954   -0.110    0.117
## 96   moralid  ~       pj   0.481 0.041 11.779  0.000    0.401    0.561
## 97   moralid  ~       dj   0.079 0.027  2.943  0.003    0.026    0.131
## 98   moralid  ~     lawf   0.029 0.031  0.929  0.353   -0.032    0.089
## 99   moralid  ~      eff   0.185 0.036  5.063  0.000    0.113    0.256
## 100  moralid  ~      foc  -0.072 0.019 -3.728  0.000   -0.110   -0.034
## 101     obey ~~  moralid   0.225 0.026  8.717  0.000    0.174    0.275
## 102     coop ~1           -0.135 0.085 -1.595  0.111   -0.301    0.031
## 103     coop  ~      age  -0.002 0.001 -1.968  0.049   -0.005    0.000
## 104     coop  ~   female  -0.323 0.045 -7.235  0.000   -0.411   -0.236
## 105     coop  ~    educ2   0.398 0.051  7.784  0.000    0.298    0.498
## 106     coop  ~    educ3   0.526 0.062  8.546  0.000    0.406    0.647
## 107     coop  ~       pj   0.140 0.046  3.012  0.003    0.049    0.231
## 108     coop  ~      eff  -0.010 0.040 -0.247  0.805   -0.087    0.068
## 109     coop  ~      foc  -0.001 0.021 -0.050  0.960   -0.042    0.039
## 110     coop  ~     obey   0.031 0.021  1.498  0.134   -0.010    0.072
## 111     coop  ~  moralid   0.110 0.033  3.326  0.001    0.045    0.175
## 112       dj ~~       dj   1.002 0.032 30.926  0.000    0.939    1.066
## 113     lawf ~~     lawf   0.869 0.030 29.133  0.000    0.811    0.927
## 114      foc ~~      foc   1.200 0.035 34.348  0.000    1.132    1.269
## 115       pj ~~       pj   1.108 0.040 28.038  0.000    1.031    1.186
## 116      eff ~~      eff   1.180 0.041 28.786  0.000    1.099    1.260
## 117     obey ~~     obey   1.322 0.042 31.214  0.000    1.239    1.405
## 118  moralid ~~  moralid   0.674 0.028 24.252  0.000    0.619    0.728
## 119     coop ~~     coop   1.023 0.032 32.082  0.000    0.961    1.086
## 120      age ~~      age 320.576 0.000     NA     NA  320.576  320.576
## 121      age ~~   female   0.786 0.000     NA     NA    0.786    0.786
## 122      age ~~    educ2  -0.915 0.000     NA     NA   -0.915   -0.915
## 123      age ~~    educ3  -0.313 0.000     NA     NA   -0.313   -0.313
## 124   female ~~   female   0.246 0.000     NA     NA    0.246    0.246
## 125   female ~~    educ2  -0.025 0.000     NA     NA   -0.025   -0.025
## 126   female ~~    educ3   0.017 0.000     NA     NA    0.017    0.017
## 127    educ2 ~~    educ2   0.248 0.000     NA     NA    0.248    0.248
## 128    educ2 ~~    educ3  -0.102 0.000     NA     NA   -0.102   -0.102
## 129    educ3 ~~    educ3   0.172 0.000     NA     NA    0.172    0.172
## 130      age ~1           53.377 0.000     NA     NA   53.377   53.377
## 131   female ~1            0.563 0.000     NA     NA    0.563    0.563
## 132    educ2 ~1            0.460 0.000     NA     NA    0.460    0.460
## 133    educ3 ~1            0.221 0.000     NA     NA    0.221    0.221
##
## $CH
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1           2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1           2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1           2.557 0.000     NA     NA    2.557    2.557
```

```
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1            0.244 0.074  3.286  0.001    0.099    0.390
## 47        pj  ~      age   0.005 0.001  3.791  0.000    0.002    0.007
## 48        pj  ~   female  -0.103 0.045 -2.300  0.021   -0.192   -0.015
## 49        pj  ~    educ2   0.064 0.057  1.115  0.265   -0.049    0.177
## 50        pj  ~    educ3   0.036 0.062  0.587  0.557   -0.084    0.157
## 51        dj ~1            0.112 0.088  1.273  0.203   -0.061    0.285
## 52        dj  ~      age   0.002 0.001  1.178  0.239   -0.001    0.004
## 53        dj  ~   female  -0.080 0.054 -1.493  0.135   -0.186    0.025
## 54        dj  ~    educ2  -0.026 0.068 -0.381  0.703   -0.160    0.108
## 55        dj  ~    educ3  -0.102 0.073 -1.406  0.160   -0.245    0.040
## 56      lawf ~1            0.559 0.080  6.968  0.000    0.402    0.717
## 57      lawf  ~      age   0.000 0.001  0.363  0.716   -0.002    0.003
## 58      lawf  ~   female  -0.156 0.048 -3.257  0.001   -0.251   -0.062
## 59      lawf  ~    educ2  -0.091 0.062 -1.460  0.144   -0.212    0.031
## 60      lawf  ~    educ3   0.086 0.066  1.301  0.193   -0.044    0.216
```

```
## 61       eff ~1           0.357 0.080  4.437  0.000    0.199    0.515
## 62       eff  ~      age  0.004 0.001  3.272  0.001    0.002    0.007
## 63       eff  ~   female -0.067 0.049 -1.387  0.165   -0.163    0.028
## 64       eff  ~    educ2 -0.082 0.062 -1.316  0.188   -0.203    0.040
## 65       eff  ~    educ3 -0.212 0.067 -3.181  0.001   -0.342   -0.081
## 66       foc ~1          -0.342 0.069 -4.983  0.000   -0.477   -0.208
## 67       foc  ~      age -0.003 0.001 -2.864  0.004   -0.005   -0.001
## 68       foc  ~   female  0.295 0.042  7.099  0.000    0.213    0.376
## 69       foc  ~    educ2 -0.006 0.053 -0.115  0.908   -0.110    0.097
## 70       foc  ~    educ3  0.032 0.057  0.572  0.567   -0.079    0.144
## 71        pj ~~       dj  0.217 0.023  9.406  0.000    0.172    0.263
## 72        pj ~~     lawf  0.191 0.021  9.088  0.000    0.150    0.232
## 73        pj ~~      eff  0.275 0.022 12.546  0.000    0.232    0.318
## 74        pj ~~      foc -0.049 0.018 -2.758  0.006   -0.083   -0.014
## 75        dj ~~     lawf  0.241 0.025  9.710  0.000    0.192    0.289
## 76       eff ~~       dj  0.228 0.025  9.067  0.000    0.178    0.277
## 77        dj ~~      foc -0.069 0.021 -3.331  0.001   -0.110   -0.029
## 78       eff ~~     lawf  0.162 0.022  7.269  0.000    0.119    0.206
## 79      lawf ~~      foc -0.091 0.019 -4.753  0.000   -0.128   -0.053
## 80       eff ~~      foc -0.044 0.019 -2.316  0.021   -0.081   -0.007
## 81      obey ~1          0.149 0.082  1.817  0.069   -0.012    0.310
## 82      obey  ~      age -0.004 0.001 -3.068  0.002   -0.006   -0.001
## 83      obey  ~   female  0.183 0.049  3.729  0.000    0.087    0.279
## 84      obey  ~    educ2  0.137 0.062  2.225  0.026    0.016    0.258
## 85      obey  ~    educ3  0.148 0.067  2.219  0.027    0.017    0.278
## 86      obey  ~       pj  0.178 0.050  3.540  0.000    0.080    0.277
## 87      obey  ~       dj -0.012 0.029 -0.409  0.683   -0.069    0.045
## 88      obey  ~     lawf  0.079 0.032  2.458  0.014    0.016    0.142
## 89      obey  ~      eff  0.044 0.044  1.012  0.311   -0.041    0.130
## 90      obey  ~      foc  0.027 0.030  0.898  0.369   -0.032    0.086
## 91   moralid ~1          -0.335 0.065 -5.171  0.000   -0.462   -0.208
## 92   moralid  ~      age  0.004 0.001  4.174  0.000    0.002    0.006
## 93   moralid  ~   female  0.105 0.039  2.723  0.006    0.030    0.181
## 94   moralid  ~    educ2  0.039 0.049  0.801  0.423   -0.056    0.134
## 95   moralid  ~    educ3  0.041 0.053  0.771  0.441   -0.062    0.144
## 96   moralid  ~       pj  0.567 0.040 14.046  0.000    0.488    0.646
## 97   moralid  ~       dj  0.050 0.023  2.190  0.028    0.005    0.095
## 98   moralid  ~     lawf  0.090 0.025  3.571  0.000    0.041    0.140
## 99   moralid  ~      eff  0.179 0.034  5.211  0.000    0.111    0.246
## 100  moralid  ~      foc -0.007 0.024 -0.306  0.760   -0.054    0.040
## 101     obey ~~  moralid -0.009 0.017 -0.552  0.581   -0.043    0.024
## 102     coop ~1          0.536 0.065  8.191  0.000    0.408    0.665
## 103     coop  ~      age -0.003 0.001 -2.856  0.004   -0.005   -0.001
## 104     coop  ~   female -0.055 0.039 -1.407  0.160   -0.131    0.021
## 105     coop  ~    educ2  0.147 0.048  3.054  0.002    0.053    0.241
## 106     coop  ~    educ3  0.098 0.052  1.892  0.058   -0.004    0.200
## 107     coop  ~       pj  0.132 0.054  2.453  0.014    0.026    0.237
## 108     coop  ~      eff -0.062 0.035 -1.806  0.071   -0.130    0.005
## 109     coop  ~      foc -0.056 0.023 -2.406  0.016   -0.102   -0.010
## 110     coop  ~     obey -0.002 0.022 -0.082  0.935   -0.046    0.042
## 111     coop  ~  moralid  0.071 0.051  1.392  0.164   -0.029    0.172
## 112       dj ~~       dj  0.934 0.036 25.715  0.000    0.863    1.005
## 113     lawf ~~     lawf  0.750 0.029 25.614  0.000    0.692    0.807
## 114      foc ~~      foc  0.630 0.023 27.395  0.000    0.585    0.675
```

```
## 115       pj ~~       pj   0.520 0.027 19.416  0.000    0.468    0.573
## 116      eff ~~      eff   0.633 0.031 20.204  0.000    0.572    0.695
## 117     obey ~~     obey   0.756 0.031 24.739  0.000    0.696    0.816
## 118  moralid ~~  moralid   0.257 0.019 13.473  0.000    0.220    0.294
## 119     coop ~~     coop   0.447 0.019 23.943  0.000    0.411    0.484
## 120      age ~~      age 351.519 0.000     NA     NA  351.519  351.519
## 121      age ~~   female   0.561 0.000     NA     NA    0.561    0.561
## 122      age ~~    educ2   0.407 0.000     NA     NA    0.407    0.407
## 123      age ~~    educ3   0.254 0.000     NA     NA    0.254    0.254
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2  -0.005 0.000     NA     NA   -0.005   -0.005
## 126   female ~~    educ3  -0.023 0.000     NA     NA   -0.023   -0.023
## 127    educ2 ~~    educ2   0.247 0.000     NA     NA    0.247    0.247
## 128    educ2 ~~    educ3  -0.143 0.000     NA     NA   -0.143   -0.143
## 129    educ3 ~~    educ3   0.217 0.000     NA     NA    0.217    0.217
## 130      age ~1           47.808 0.000     NA     NA   47.808   47.808
## 131   female ~1            0.488 0.000     NA     NA    0.488    0.488
## 132    educ2 ~1            0.450 0.000     NA     NA    0.450    0.450
## 133    educ3 ~1            0.318 0.000     NA     NA    0.318    0.318
##
## $CY
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
```

```
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.542 0.140 -3.884  0.000   -0.816   -0.269
## 47        pj  ~      age   0.009 0.002  4.517  0.000    0.005    0.013
## 48        pj  ~   female   0.096 0.065  1.480  0.139   -0.031    0.224
## 49        pj  ~    educ2   0.116 0.083  1.399  0.162   -0.047    0.280
## 50        pj  ~    educ3   0.128 0.094  1.362  0.173   -0.056    0.313
## 51        dj ~1           -0.573 0.137 -4.170  0.000   -0.843   -0.304
## 52        dj  ~      age   0.004 0.002  2.206  0.027    0.001    0.008
## 53        dj  ~   female   0.049 0.065  0.765  0.445   -0.077    0.176
## 54        dj  ~    educ2   0.075 0.082  0.906  0.365   -0.087    0.236
## 55        dj  ~    educ3   0.124 0.093  1.337  0.181   -0.058    0.306
## 56      lawf ~1           -0.737 0.135 -5.469  0.000   -1.002   -0.473
## 57      lawf  ~      age   0.008 0.002  4.175  0.000    0.004    0.012
## 58      lawf  ~   female   0.054 0.062  0.868  0.386   -0.067    0.175
## 59      lawf  ~    educ2   0.042 0.080  0.519  0.603   -0.115    0.198
## 60      lawf  ~    educ3  -0.005 0.089 -0.055  0.956   -0.180    0.170
## 61       eff ~1           -0.359 0.136 -2.647  0.008   -0.624   -0.093
## 62       eff  ~      age   0.012 0.002  6.182  0.000    0.008    0.016
## 63       eff  ~   female   0.126 0.063  1.981  0.048    0.001    0.250
## 64       eff  ~    educ2  -0.107 0.081 -1.311  0.190   -0.266    0.053
## 65       eff  ~    educ3  -0.138 0.092 -1.499  0.134   -0.318    0.042
## 66       foc ~1           -0.273 0.131 -2.085  0.037   -0.530   -0.016
## 67       foc  ~      age   0.000 0.002  0.205  0.838   -0.003    0.004
## 68       foc  ~   female   0.492 0.062  7.984  0.000    0.371    0.612
## 69       foc  ~    educ2   0.221 0.079  2.800  0.005    0.066    0.375
## 70       foc  ~    educ3   0.229 0.089  2.575  0.010    0.055    0.404
## 71        pj ~~       dj   0.333 0.034  9.689  0.000    0.265    0.400
## 72        pj ~~     lawf   0.378 0.033 11.482  0.000    0.314    0.443
## 73        pj ~~      eff   0.570 0.037 15.393  0.000    0.497    0.643
## 74        pj ~~      foc  -0.096 0.032 -2.952  0.003   -0.159   -0.032
## 75        dj ~~     lawf   0.255 0.032  8.059  0.000    0.193    0.317
## 76       eff ~~       dj   0.349 0.034 10.300  0.000    0.283    0.415
## 77        dj ~~      foc  -0.059 0.032 -1.844  0.065   -0.122    0.004
## 78       eff ~~     lawf   0.340 0.032 10.527  0.000    0.277    0.404
## 79      lawf ~~      foc  -0.061 0.031 -1.990  0.047   -0.121   -0.001
## 80       eff ~~      foc  -0.169 0.032 -5.340  0.000   -0.232   -0.107
## 81      obey ~1           -0.051 0.115 -0.444  0.657   -0.277    0.174
## 82      obey  ~      age   0.008 0.002  4.839  0.000    0.005    0.012
## 83      obey  ~   female  -0.007 0.054 -0.120  0.904   -0.113    0.100
## 84      obey  ~    educ2  -0.115 0.068 -1.696  0.090   -0.248    0.018
## 85      obey  ~    educ3  -0.037 0.077 -0.487  0.626   -0.188    0.113
## 86      obey  ~       pj   0.358 0.054  6.663  0.000    0.252    0.463
```

```
## 87      obey  ~       dj  -0.106 0.034 -3.156  0.002   -0.172   -0.040
## 88      obey  ~     lawf   0.041 0.039  1.060  0.289   -0.035    0.118
## 89      obey  ~      eff   0.157 0.054  2.912  0.004    0.051    0.262
## 90      obey  ~      foc   0.011 0.027  0.395  0.693   -0.042    0.064
## 91   moralid ~1           -0.179 0.116 -1.535  0.125   -0.407    0.049
## 92   moralid  ~      age   0.003 0.002  1.514  0.130   -0.001    0.006
## 93   moralid  ~   female  -0.138 0.055 -2.525  0.012   -0.245   -0.031
## 94   moralid  ~    educ2  -0.033 0.068 -0.483  0.629   -0.167    0.101
## 95   moralid  ~    educ3   0.105 0.077  1.352  0.176   -0.047    0.256
## 96   moralid  ~       pj   0.534 0.054  9.904  0.000    0.428    0.639
## 97   moralid  ~       dj   0.033 0.035  0.961  0.336   -0.035    0.102
## 98   moralid  ~     lawf   0.122 0.040  3.066  0.002    0.044    0.200
## 99   moralid  ~      eff   0.293 0.054  5.423  0.000    0.187    0.399
## 100  moralid  ~      foc   0.100 0.027  3.678  0.000    0.047    0.154
## 101     obey ~~  moralid   0.040 0.022  1.823  0.068   -0.003    0.084
## 102     coop ~1           0.161 0.153  1.051  0.293   -0.139    0.460
## 103     coop  ~      age  -0.002 0.002 -1.072  0.284   -0.007    0.002
## 104     coop  ~   female  -0.293 0.074 -3.954  0.000   -0.438   -0.148
## 105     coop  ~    educ2   0.085 0.091  0.939  0.348   -0.093    0.263
## 106     coop  ~    educ3   0.297 0.104  2.849  0.004    0.093    0.501
## 107     coop  ~       pj   0.289 0.089  3.267  0.001    0.116    0.463
## 108     coop  ~      eff  -0.135 0.074 -1.820  0.069   -0.280    0.010
## 109     coop  ~      foc  -0.050 0.037 -1.342  0.180   -0.123    0.023
## 110     coop  ~     obey  -0.040 0.050 -0.804  0.421   -0.138    0.058
## 111     coop  ~  moralid  -0.091 0.071 -1.293  0.196   -0.230    0.047
## 112       dj ~~       dj   0.905 0.043 20.961  0.000    0.820    0.990
## 113     lawf ~~     lawf   0.780 0.039 20.111  0.000    0.704    0.856
## 114      foc ~~      foc   0.979 0.043 22.996  0.000    0.895    1.062
## 115       pj ~~       pj   0.851 0.047 18.123  0.000    0.759    0.943
## 116      eff ~~      eff   0.823 0.045 18.181  0.000    0.734    0.912
## 117     obey ~~     obey   0.584 0.030 19.202  0.000    0.525    0.644
## 118  moralid ~~  moralid   0.421 0.031 13.559  0.000    0.360    0.482
## 119     coop ~~     coop   1.136 0.055 20.766  0.000    1.029    1.243
## 120      age ~~      age 347.737 0.000     NA     NA  347.737  347.737
## 121      age ~~   female   0.671 0.000     NA     NA    0.671    0.671
## 122      age ~~    educ2  -1.658 0.000     NA     NA   -1.658   -1.658
## 123      age ~~    educ3  -3.032 0.000     NA     NA   -3.032   -3.032
## 124   female ~~   female   0.247 0.000     NA     NA    0.247    0.247
## 125   female ~~    educ2  -0.026 0.000     NA     NA   -0.026   -0.026
## 126   female ~~    educ3   0.002 0.000     NA     NA    0.002    0.002
## 127    educ2 ~~    educ2   0.228 0.000     NA     NA    0.228    0.228
## 128    educ2 ~~    educ3  -0.095 0.000     NA     NA   -0.095   -0.095
## 129    educ3 ~~    educ3   0.197 0.000     NA     NA    0.197    0.197
## 130      age ~1           48.223 0.000     NA     NA   48.223   48.223
## 131   female ~1            0.551 0.000     NA     NA    0.551    0.551
## 132    educ2 ~1            0.352 0.000     NA     NA    0.352    0.352
## 133    educ3 ~1            0.270 0.000     NA     NA    0.270    0.270
##
## $CZ
##         lhs op      rhs     est    se       z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000      NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000      NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000      NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000      NA     NA    2.766    2.766
```

```
## 5        pj2 ~1           2.716 0.000      NA     NA    2.716    2.716
## 6        pj3 ~1           2.557 0.000      NA     NA    2.557    2.557
## 7        pj1 ~~      pj1  0.182 0.000      NA     NA    0.182    0.182
## 8        pj2 ~~      pj2  0.146 0.000      NA     NA    0.146    0.146
## 9        pj3 ~~      pj3  0.330 0.000      NA     NA    0.330    0.330
## 10       eff =~     eff1  1.737 0.000      NA     NA    1.737    1.737
## 11       eff =~     eff2  1.821 0.000      NA     NA    1.821    1.821
## 12       eff =~     eff3  1.428 0.000      NA     NA    1.428    1.428
## 13      eff1 ~1           5.130 0.000      NA     NA    5.130    5.130
## 14      eff2 ~1           4.722 0.000      NA     NA    4.722    4.722
## 15      eff3 ~1           5.684 0.000      NA     NA    5.684    5.684
## 16      eff1 ~~     eff1  1.365 0.000      NA     NA    1.365    1.365
## 17      eff2 ~~     eff2  1.655 0.000      NA     NA    1.655    1.655
## 18      eff3 ~~     eff3  3.580 0.000      NA     NA    3.580    3.580
## 19      obey =~    obey1  2.156 0.000      NA     NA    2.156    2.156
## 20      obey =~    obey2  2.728 0.000      NA     NA    2.728    2.728
## 21      obey =~    obey3  2.495 0.000      NA     NA    2.495    2.495
## 22     obey1 ~1           5.702 0.000      NA     NA    5.702    5.702
## 23     obey2 ~1           6.100 0.000      NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000      NA     NA    5.881    5.881
## 25     obey1 ~~    obey1  4.102 0.000      NA     NA    4.102    4.102
## 26     obey2 ~~    obey2  0.689 0.000      NA     NA    0.689    0.689
## 27     obey3 ~~    obey3  1.953 0.000      NA     NA    1.953    1.953
## 28   moralid =~ moralid1  0.727 0.000      NA     NA    0.727    0.727
## 29   moralid =~ moralid2  0.789 0.000      NA     NA    0.789    0.789
## 30   moralid =~ moralid3  0.685 0.000      NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000      NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000      NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000      NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1  0.394 0.000      NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2  0.217 0.000      NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3  0.394 0.000      NA     NA    0.394    0.394
## 37      coop =~    coop1  0.482 0.000      NA     NA    0.482    0.482
## 38      coop =~    coop2  0.813 0.000      NA     NA    0.813    0.813
## 39      coop =~    coop3  0.771 0.000      NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000      NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000      NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000      NA     NA    2.971    2.971
## 43     coop1 ~~    coop1  0.350 0.000      NA     NA    0.350    0.350
## 44     coop2 ~~    coop2  0.045 0.000      NA     NA    0.045    0.045
## 45     coop3 ~~    coop3  0.263 0.000      NA     NA    0.263    0.263
## 46        pj ~1          -0.429 0.082  -5.258  0.000   -0.589   -0.269
## 47        pj  ~      age   0.003 0.001   2.047  0.041    0.000    0.005
## 48        pj  ~   female   0.176 0.043   4.099  0.000    0.092    0.261
## 49        pj  ~    educ2   0.071 0.065   1.083  0.279   -0.057    0.199
## 50        pj  ~    educ3   0.191 0.074   2.576  0.010    0.046    0.336
## 51        dj ~1          -0.127 0.083  -1.525  0.127   -0.290    0.036
## 52        dj  ~      age   0.001 0.001   0.513  0.608   -0.002    0.003
## 53        dj  ~   female   0.089 0.044   2.018  0.044    0.003    0.175
## 54        dj  ~    educ2   0.077 0.066   1.170  0.242   -0.052    0.207
## 55        dj  ~    educ3   0.131 0.075   1.745  0.081   -0.016    0.279
## 56      lawf ~1          -0.442 0.075  -5.878  0.000   -0.590   -0.295
## 57      lawf  ~      age   0.001 0.001   0.560  0.575   -0.002    0.003
## 58      lawf  ~   female   0.091 0.039   2.338  0.019    0.015    0.168
```

```
## 59      lawf  ~    educ2  -0.016 0.060  -0.260  0.795   -0.133    0.102
## 60      lawf  ~    educ3   0.064 0.068   0.949  0.343   -0.069    0.197
## 61       eff ~1           0.134 0.078   1.725  0.085   -0.018    0.287
## 62       eff  ~      age   0.000 0.001  -0.319  0.750   -0.003    0.002
## 63       eff  ~   female   0.204 0.041   4.967  0.000    0.123    0.284
## 64       eff  ~    educ2  -0.077 0.062  -1.237  0.216   -0.198    0.045
## 65       eff  ~    educ3  -0.063 0.071  -0.890  0.374   -0.201    0.076
## 66       foc ~1           -0.675 0.059 -11.344  0.000   -0.791   -0.558
## 67       foc  ~      age   0.005 0.001   5.407  0.000    0.003    0.007
## 68       foc  ~   female   0.264 0.031   8.476  0.000    0.203    0.326
## 69       foc  ~    educ2   0.066 0.047   1.397  0.162   -0.027    0.159
## 70       foc  ~    educ3   0.074 0.054   1.377  0.169   -0.031    0.179
## 71        pj ~~       dj   0.400 0.024  16.720  0.000    0.353    0.447
## 72        pj ~~     lawf   0.393 0.022  18.279  0.000    0.351    0.436
## 73        pj ~~      eff   0.508 0.024  21.480  0.000    0.462    0.554
## 74        pj ~~      foc  -0.064 0.016  -3.953  0.000   -0.096   -0.032
## 75        dj ~~     lawf   0.253 0.021  12.122  0.000    0.212    0.294
## 76       eff ~~       dj   0.307 0.023  13.596  0.000    0.263    0.351
## 77        dj ~~      foc  -0.073 0.016  -4.449  0.000   -0.106   -0.041
## 78       eff ~~     lawf   0.262 0.020  13.074  0.000    0.223    0.302
## 79      lawf ~~      foc  -0.063 0.015  -4.249  0.000   -0.092   -0.034
## 80       eff ~~      foc  -0.104 0.016  -6.691  0.000   -0.135   -0.074
## 81      obey ~1           0.039 0.084   0.460  0.645   -0.127    0.204
## 82      obey  ~      age   0.003 0.001   2.244  0.025    0.000    0.005
## 83      obey  ~   female   0.057 0.043   1.332  0.183   -0.027    0.142
## 84      obey  ~    educ2   0.003 0.063   0.054  0.957   -0.121    0.128
## 85      obey  ~    educ3  -0.034 0.072  -0.473  0.636   -0.176    0.108
## 86      obey  ~       pj   0.218 0.045   4.846  0.000    0.130    0.306
## 87      obey  ~       dj   0.023 0.027   0.844  0.399   -0.030    0.076
## 88      obey  ~     lawf  -0.030 0.031  -0.950  0.342   -0.091    0.032
## 89      obey  ~      eff   0.065 0.041   1.589  0.112   -0.015    0.146
## 90      obey  ~      foc   0.007 0.029   0.243  0.808   -0.049    0.063
## 91   moralid ~1          -0.585 0.075  -7.769  0.000   -0.732   -0.437
## 92   moralid  ~      age   0.004 0.001   3.938  0.000    0.002    0.006
## 93   moralid  ~   female   0.048 0.038   1.240  0.215   -0.028    0.123
## 94   moralid  ~    educ2   0.099 0.057   1.749  0.080   -0.012    0.211
## 95   moralid  ~    educ3   0.131 0.065   2.019  0.044    0.004    0.258
## 96   moralid  ~       pj   0.556 0.040  13.914  0.000    0.477    0.634
## 97   moralid  ~       dj   0.074 0.024   3.140  0.002    0.028    0.121
## 98   moralid  ~     lawf  -0.018 0.028  -0.635  0.525   -0.072    0.037
## 99   moralid  ~      eff   0.246 0.036   6.760  0.000    0.175    0.318
## 100  moralid  ~      foc   0.005 0.026   0.214  0.830   -0.045    0.056
## 101     obey ~~  moralid   0.134 0.019   7.009  0.000    0.096    0.171
## 102     coop ~1           -0.310 0.077  -4.036  0.000   -0.461   -0.159
## 103     coop  ~      age  -0.001 0.001  -0.931  0.352   -0.003    0.001
## 104     coop  ~   female  -0.101 0.038  -2.627  0.009   -0.176   -0.026
## 105     coop  ~    educ2   0.119 0.057   2.100  0.036    0.008    0.231
## 106     coop  ~    educ3   0.181 0.065   2.799  0.005    0.054    0.308
## 107     coop  ~       pj   0.121 0.041   2.939  0.003    0.040    0.201
## 108     coop  ~      eff   0.014 0.038   0.385  0.700   -0.059    0.088
## 109     coop  ~      foc  -0.033 0.026  -1.281  0.200   -0.084    0.017
## 110     coop  ~     obey   0.020 0.021   0.969  0.332   -0.021    0.062
## 111     coop  ~  moralid   0.090 0.033   2.728  0.006    0.025    0.154
## 112       dj ~~       dj   0.965 0.031  31.407  0.000    0.905    1.025
```

```
## 113     lawf ~~     lawf   0.768 0.024  31.474  0.000    0.720    0.816
## 114      foc ~~      foc   0.559 0.016  33.976  0.000    0.527    0.591
## 115       pj ~~       pj   0.829 0.031  26.688  0.000    0.768    0.890
## 116      eff ~~      eff   0.760 0.029  26.508  0.000    0.703    0.816
## 117     obey ~~     obey   0.914 0.029  31.114  0.000    0.857    0.972
## 118  moralid ~~  moralid   0.519 0.023  22.116  0.000    0.473    0.565
## 119     coop ~~     coop   0.735 0.024  31.178  0.000    0.689    0.782
## 120      age ~~      age 311.395 0.000      NA     NA  311.395  311.395
## 121      age ~~   female   0.428 0.000      NA     NA    0.428    0.428
## 122      age ~~    educ2   0.501 0.000      NA     NA    0.501    0.501
## 123      age ~~    educ3   0.093 0.000      NA     NA    0.093    0.093
## 124   female ~~   female   0.250 0.000      NA     NA    0.250    0.250
## 125   female ~~    educ2  -0.013 0.000      NA     NA   -0.013   -0.013
## 126   female ~~    educ3   0.005 0.000      NA     NA    0.005    0.005
## 127    educ2 ~~    educ2   0.232 0.000      NA     NA    0.232    0.232
## 128    educ2 ~~    educ3  -0.147 0.000      NA     NA   -0.147   -0.147
## 129    educ3 ~~    educ3   0.178 0.000      NA     NA    0.178    0.178
## 130      age ~1           46.956 0.000      NA     NA   46.956   46.956
## 131   female ~1            0.501 0.000      NA     NA    0.501    0.501
## 132    educ2 ~1            0.634 0.000      NA     NA    0.634    0.634
## 133    educ3 ~1            0.232 0.000      NA     NA    0.232    0.232
##
## $DE
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21     obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22    obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23    obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24    obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25    obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26    obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27    obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28  moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29  moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30  moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
```

```
## 31  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1  0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2  0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3  0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1  0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2  0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3  0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1  0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2  0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3  0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           0.054 0.052  1.049  0.294   -0.047    0.155
## 47        pj  ~      age  0.006 0.001  7.243  0.000    0.005    0.008
## 48        pj  ~   female -0.078 0.031 -2.536  0.011   -0.137   -0.018
## 49        pj  ~    educ2  0.119 0.044  2.715  0.007    0.033    0.205
## 50        pj  ~    educ3  0.153 0.046  3.319  0.001    0.063    0.243
## 51        dj ~1           0.244 0.063  3.897  0.000    0.121    0.367
## 52        dj  ~      age  0.002 0.001  2.240  0.025    0.000    0.004
## 53        dj  ~   female -0.085 0.038 -2.243  0.025   -0.159   -0.011
## 54        dj  ~    educ2 -0.069 0.054 -1.285  0.199   -0.174    0.036
## 55        dj  ~    educ3 -0.167 0.056 -2.966  0.003   -0.278   -0.057
## 56      lawf ~1           0.444 0.053  8.443  0.000    0.341    0.548
## 57      lawf  ~      age -0.001 0.001 -0.776  0.438   -0.002    0.001
## 58      lawf  ~   female -0.120 0.031 -3.884  0.000   -0.180   -0.059
## 59      lawf  ~    educ2 -0.165 0.045 -3.690  0.000   -0.253   -0.077
## 60      lawf  ~    educ3 -0.062 0.047 -1.315  0.188   -0.153    0.030
## 61       eff ~1           0.212 0.058  3.652  0.000    0.098    0.325
## 62       eff  ~      age  0.004 0.001  3.839  0.000    0.002    0.006
## 63       eff  ~   female  0.027 0.034  0.784  0.433   -0.040    0.094
## 64       eff  ~    educ2 -0.167 0.049 -3.403  0.001   -0.263   -0.071
## 65       eff  ~    educ3 -0.257 0.051 -4.984  0.000   -0.357   -0.156
## 66       foc ~1          -0.292 0.051 -5.741  0.000   -0.392   -0.192
## 67       foc  ~      age -0.001 0.001 -1.711  0.087   -0.003    0.000
## 68       foc  ~   female  0.305 0.030 10.098  0.000    0.246    0.364
## 69       foc  ~    educ2 -0.027 0.043 -0.623  0.533   -0.111    0.058
## 70       foc  ~    educ3 -0.026 0.045 -0.565  0.572   -0.114    0.063
## 71        pj ~~       dj  0.220 0.016 13.667  0.000    0.188    0.251
## 72        pj ~~     lawf  0.160 0.013 12.180  0.000    0.134    0.186
## 73        pj ~~      eff  0.263 0.015 17.417  0.000    0.234    0.293
## 74        pj ~~      foc -0.079 0.013 -6.237  0.000   -0.104   -0.054
## 75        dj ~~     lawf  0.206 0.016 12.862  0.000    0.175    0.237
## 76       eff ~~       dj  0.255 0.018 14.091  0.000    0.220    0.291
## 77        dj ~~      foc -0.054 0.016 -3.463  0.001   -0.085   -0.024
## 78       eff ~~     lawf  0.160 0.015 11.029  0.000    0.132    0.189
## 79      lawf ~~      foc -0.062 0.013 -4.799  0.000   -0.087   -0.037
## 80       eff ~~      foc -0.114 0.014 -8.008  0.000   -0.142   -0.086
## 81      obey ~1           0.152 0.055  2.770  0.006    0.044    0.259
## 82      obey  ~      age  0.000 0.001 -0.298  0.766   -0.002    0.002
## 83      obey  ~   female -0.020 0.033 -0.609  0.543   -0.084    0.044
## 84      obey  ~    educ2 -0.015 0.046 -0.323  0.747   -0.106    0.076
```

```
## 85      obey  ~    educ3  -0.055 0.049 -1.124  0.261   -0.151    0.041
## 86      obey  ~       pj   0.260 0.036  7.151  0.000    0.189    0.332
## 87      obey  ~       dj   0.045 0.020  2.244  0.025    0.006    0.084
## 88      obey  ~     lawf   0.038 0.024  1.554  0.120   -0.010    0.086
## 89      obey  ~      eff   0.149 0.029  5.203  0.000    0.093    0.205
## 90      obey  ~      foc   0.072 0.020  3.652  0.000    0.033    0.111
## 91   moralid ~1           -0.213 0.049 -4.327  0.000   -0.309   -0.117
## 92   moralid  ~      age   0.006 0.001  7.785  0.000    0.005    0.008
## 93   moralid  ~   female   0.048 0.029  1.654  0.098   -0.009    0.105
## 94   moralid  ~    educ2   0.023 0.041  0.550  0.583   -0.058    0.104
## 95   moralid  ~    educ3   0.120 0.044  2.731  0.006    0.034    0.206
## 96   moralid  ~       pj   0.433 0.033 13.297  0.000    0.369    0.496
## 97   moralid  ~       dj   0.075 0.017  4.296  0.000    0.041    0.109
## 98   moralid  ~     lawf   0.023 0.021  1.067  0.286   -0.019    0.064
## 99   moralid  ~      eff   0.198 0.025  7.781  0.000    0.148    0.248
## 100  moralid  ~      foc   0.015 0.018  0.867  0.386   -0.019    0.050
## 101     obey ~~  moralid   0.101 0.013  8.040  0.000    0.076    0.126
## 102     coop ~1           0.614 0.042 14.561  0.000    0.532    0.697
## 103     coop  ~      age  -0.004 0.001 -5.044  0.000   -0.005   -0.002
## 104     coop  ~   female  -0.062 0.025 -2.478  0.013   -0.112   -0.013
## 105     coop  ~    educ2   0.131 0.036  3.679  0.000    0.061    0.201
## 106     coop  ~    educ3   0.196 0.038  5.182  0.000    0.122    0.271
## 107     coop  ~       pj   0.102 0.031  3.294  0.001    0.041    0.163
## 108     coop  ~      eff   0.026 0.022  1.170  0.242   -0.018    0.070
## 109     coop  ~      foc  -0.016 0.015 -1.036  0.300   -0.046    0.014
## 110     coop  ~     obey  -0.001 0.016 -0.075  0.940   -0.033    0.031
## 111     coop  ~  moralid   0.074 0.027  2.721  0.007    0.021    0.127
## 112       dj ~~       dj   0.939 0.026 36.157  0.000    0.888    0.989
## 113     lawf ~~     lawf   0.606 0.017 35.703  0.000    0.573    0.640
## 114      foc ~~      foc   0.679 0.018 38.716  0.000    0.645    0.713
## 115       pj ~~       pj   0.470 0.018 26.239  0.000    0.435    0.505
## 116      eff ~~      eff   0.660 0.023 29.137  0.000    0.616    0.705
## 117     obey ~~     obey   0.665 0.019 34.131  0.000    0.627    0.703
## 118  moralid ~~  moralid   0.358 0.015 23.124  0.000    0.328    0.388
## 119     coop ~~     coop   0.389 0.012 33.468  0.000    0.367    0.412
## 120      age ~~      age 339.662 0.000     NA     NA  339.662  339.662
## 121      age ~~   female  -0.107 0.000     NA     NA   -0.107   -0.107
## 122      age ~~    educ2   0.989 0.000     NA     NA    0.989    0.989
## 123      age ~~    educ3   0.689 0.000     NA     NA    0.689    0.689
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2   0.003 0.000     NA     NA    0.003    0.003
## 126   female ~~    educ3  -0.015 0.000     NA     NA   -0.015   -0.015
## 127    educ2 ~~    educ2   0.250 0.000     NA     NA    0.250    0.250
## 128    educ2 ~~    educ3  -0.165 0.000     NA     NA   -0.165   -0.165
## 129    educ3 ~~    educ3   0.226 0.000     NA     NA    0.226    0.226
## 130      age ~1           47.643 0.000     NA     NA   47.643   47.643
## 131   female ~1            0.487 0.000     NA     NA    0.487    0.487
## 132    educ2 ~1            0.478 0.000     NA     NA    0.478    0.478
## 133    educ3 ~1            0.345 0.000     NA     NA    0.345    0.345
##
## $DK
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
```

```
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1           2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1           2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1           2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1           5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1           4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1           5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1           5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1           6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           0.467 0.067  6.944  0.000    0.335    0.599
## 47        pj  ~      age   0.002 0.001  1.593  0.111    0.000    0.004
## 48        pj  ~   female  -0.109 0.041 -2.695  0.007   -0.189   -0.030
## 49        pj  ~    educ2   0.200 0.052  3.863  0.000    0.098    0.301
## 50        pj  ~    educ3   0.183 0.050  3.673  0.000    0.085    0.280
## 51        dj ~1           0.314 0.078  4.038  0.000    0.161    0.466
## 52        dj  ~      age   0.001 0.001  0.608  0.543   -0.002    0.003
## 53        dj  ~   female  -0.018 0.047 -0.389  0.697   -0.110    0.074
## 54        dj  ~    educ2   0.083 0.060  1.394  0.163   -0.034    0.200
## 55        dj  ~    educ3  -0.095 0.058 -1.644  0.100   -0.208    0.018
## 56      lawf ~1           0.583 0.071  8.250  0.000    0.444    0.721
```

```
## 57      lawf  ~      age   0.002 0.001  1.579  0.114    0.000    0.004
## 58      lawf  ~   female  -0.066 0.042 -1.576  0.115   -0.149    0.016
## 59      lawf  ~    educ2   0.084 0.054  1.556  0.120   -0.022    0.190
## 60      lawf  ~    educ3   0.108 0.052  2.081  0.037    0.006    0.209
## 61       eff ~1           0.190 0.075  2.532  0.011    0.043    0.338
## 62       eff  ~      age  -0.001 0.001 -1.053  0.293   -0.004    0.001
## 63       eff  ~   female   0.045 0.045  0.979  0.327   -0.045    0.134
## 64       eff  ~    educ2  -0.058 0.058 -0.998  0.318   -0.171    0.056
## 65       eff  ~    educ3  -0.075 0.056 -1.354  0.176   -0.184    0.034
## 66       foc ~1          -0.290 0.063 -4.610  0.000   -0.413   -0.167
## 67       foc  ~      age  -0.001 0.001 -0.924  0.355   -0.003    0.001
## 68       foc  ~   female   0.195 0.038  5.114  0.000    0.120    0.270
## 69       foc  ~    educ2   0.063 0.048  1.301  0.193   -0.032    0.158
## 70       foc  ~    educ3  -0.024 0.047 -0.516  0.606   -0.115    0.067
## 71        pj ~~       dj   0.214 0.019 11.064  0.000    0.176    0.252
## 72        pj ~~     lawf   0.131 0.017  7.561  0.000    0.097    0.165
## 73        pj ~~      eff   0.262 0.019 13.566  0.000    0.224    0.300
## 74        pj ~~      foc  -0.072 0.015 -4.688  0.000   -0.102   -0.042
## 75        dj ~~     lawf   0.152 0.020  7.669  0.000    0.113    0.190
## 76       eff ~~       dj   0.231 0.022 10.633  0.000    0.188    0.273
## 77        dj ~~      foc  -0.024 0.018 -1.340  0.180   -0.058    0.011
## 78       eff ~~     lawf   0.139 0.019  7.225  0.000    0.101    0.176
## 79      lawf ~~      foc  -0.051 0.016 -3.195  0.001   -0.082   -0.020
## 80       eff ~~      foc  -0.045 0.017 -2.637  0.008   -0.078   -0.012
## 81      obey ~1          0.496 0.066  7.571  0.000    0.368    0.624
## 82      obey  ~      age  -0.001 0.001 -0.612  0.540   -0.003    0.001
## 83      obey  ~   female  -0.037 0.038 -0.961  0.336   -0.112    0.038
## 84      obey  ~    educ2  -0.042 0.049 -0.855  0.393   -0.138    0.054
## 85      obey  ~    educ3   0.020 0.047  0.412  0.680   -0.073    0.112
## 86      obey  ~       pj   0.303 0.048  6.325  0.000    0.209    0.397
## 87      obey  ~       dj   0.042 0.024  1.722  0.085   -0.006    0.089
## 88      obey  ~     lawf   0.039 0.025  1.544  0.123   -0.010    0.088
## 89      obey  ~      eff   0.087 0.038  2.286  0.022    0.012    0.161
## 90      obey  ~      foc  -0.008 0.025 -0.320  0.749   -0.058    0.042
## 91   moralid ~1          -0.064 0.066 -0.978  0.328   -0.194    0.065
## 92   moralid  ~      age   0.002 0.001  1.586  0.113    0.000    0.004
## 93   moralid  ~   female  -0.087 0.038 -2.257  0.024   -0.162   -0.011
## 94   moralid  ~    educ2   0.005 0.049  0.094  0.925   -0.092    0.101
## 95   moralid  ~    educ3   0.089 0.048  1.871  0.061   -0.004    0.182
## 96   moralid  ~       pj   0.566 0.049 11.631  0.000    0.470    0.661
## 97   moralid  ~       dj   0.025 0.024  1.043  0.297   -0.022    0.072
## 98   moralid  ~     lawf   0.086 0.025  3.407  0.001    0.036    0.135
## 99   moralid  ~      eff   0.132 0.038  3.463  0.001    0.057    0.207
## 100  moralid  ~      foc  -0.020 0.025 -0.797  0.425   -0.070    0.030
## 101     obey ~~  moralid   0.075 0.014  5.269  0.000    0.047    0.103
## 102     coop ~1          0.291 0.069  4.229  0.000    0.156    0.427
## 103     coop  ~      age  -0.003 0.001 -3.088  0.002   -0.005   -0.001
## 104     coop  ~   female  -0.177 0.040 -4.436  0.000   -0.255   -0.099
## 105     coop  ~    educ2   0.201 0.051  3.949  0.000    0.101    0.300
## 106     coop  ~    educ3   0.254 0.049  5.199  0.000    0.158    0.349
## 107     coop  ~       pj   0.094 0.061  1.549  0.121   -0.025    0.213
## 108     coop  ~      eff  -0.086 0.039 -2.200  0.028   -0.162   -0.009
## 109     coop  ~      foc  -0.076 0.026 -2.921  0.003   -0.128   -0.025
## 110     coop  ~     obey   0.118 0.033  3.615  0.000    0.054    0.181
```

```
## 111     coop  ~  moralid   0.054 0.051  1.070  0.285   -0.045    0.153
## 112       dj ~~       dj   0.816 0.030 27.271  0.000    0.758    0.875
## 113     lawf ~~     lawf   0.659 0.024 27.286  0.000    0.612    0.706
## 114      foc ~~      foc   0.566 0.020 28.036  0.000    0.526    0.605
## 115       pj ~~       pj   0.429 0.023 18.834  0.000    0.384    0.474
## 116      eff ~~      eff   0.586 0.029 20.435  0.000    0.530    0.642
## 117     obey ~~     obey   0.457 0.020 23.348  0.000    0.418    0.495
## 118  moralid ~~  moralid   0.291 0.020 14.738  0.000    0.252    0.330
## 119     coop ~~     coop   0.526 0.021 24.969  0.000    0.485    0.568
## 120      age ~~      age 341.144 0.000     NA     NA  341.144  341.144
## 121      age ~~   female   0.012 0.000     NA     NA    0.012    0.012
## 122      age ~~    educ2  -0.075 0.000     NA     NA   -0.075   -0.075
## 123      age ~~    educ3   0.452 0.000     NA     NA    0.452    0.452
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2  -0.022 0.000     NA     NA   -0.022   -0.022
## 126   female ~~    educ3   0.015 0.000     NA     NA    0.015    0.015
## 127    educ2 ~~    educ2   0.219 0.000     NA     NA    0.219    0.219
## 128    educ2 ~~    educ3  -0.123 0.000     NA     NA   -0.123   -0.123
## 129    educ3 ~~    educ3   0.236 0.000     NA     NA    0.236    0.236
## 130      age ~1           48.509 0.000     NA     NA   48.509   48.509
## 131   female ~1            0.486 0.000     NA     NA    0.486    0.486
## 132    educ2 ~1            0.324 0.000     NA     NA    0.324    0.324
## 133    educ3 ~1            0.381 0.000     NA     NA    0.381    0.381
##
## $EE
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21     obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22    obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23    obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24    obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25    obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26    obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27    obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28  moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
```

```
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.080 0.067 -1.186  0.236   -0.211    0.052
## 47        pj  ~      age   0.002 0.001  1.469  0.142   -0.001    0.004
## 48        pj  ~   female   0.039 0.041  0.954  0.340   -0.042    0.120
## 49        pj  ~    educ2   0.012 0.054  0.218  0.827   -0.094    0.118
## 50        pj  ~    educ3   0.057 0.053  1.086  0.277   -0.046    0.160
## 51        dj ~1            0.441 0.071  6.233  0.000    0.302    0.579
## 52        dj  ~      age   0.002 0.001  1.919  0.055    0.000    0.004
## 53        dj  ~   female   0.020 0.044  0.459  0.646   -0.066    0.106
## 54        dj  ~    educ2   0.055 0.057  0.966  0.334   -0.057    0.168
## 55        dj  ~    educ3   0.047 0.056  0.849  0.396   -0.062    0.157
## 56      lawf ~1            0.548 0.075  7.262  0.000    0.400    0.696
## 57      lawf  ~      age  -0.003 0.001 -2.376  0.018   -0.005    0.000
## 58      lawf  ~   female  -0.086 0.047 -1.836  0.066   -0.177    0.006
## 59      lawf  ~    educ2  -0.021 0.061 -0.349  0.727   -0.142    0.099
## 60      lawf  ~    educ3   0.124 0.060  2.053  0.040    0.006    0.242
## 61       eff ~1            0.096 0.078  1.221  0.222   -0.058    0.250
## 62       eff  ~      age   0.000 0.001 -0.009  0.993   -0.002    0.002
## 63       eff  ~   female  -0.019 0.048 -0.395  0.693   -0.114    0.076
## 64       eff  ~    educ2  -0.179 0.063 -2.834  0.005   -0.302   -0.055
## 65       eff  ~    educ3  -0.180 0.061 -2.936  0.003   -0.301   -0.060
## 66       foc ~1           -0.064 0.071 -0.909  0.363   -0.203    0.074
## 67       foc  ~      age  -0.001 0.001 -1.120  0.263   -0.003    0.001
## 68       foc  ~   female   0.202 0.043  4.643  0.000    0.117    0.287
## 69       foc  ~    educ2   0.141 0.056  2.507  0.012    0.031    0.252
## 70       foc  ~    educ3   0.124 0.055  2.271  0.023    0.017    0.232
## 71        pj ~~       dj   0.229 0.019 12.144  0.000    0.192    0.266
## 72        pj ~~     lawf   0.297 0.021 14.396  0.000    0.257    0.337
## 73        pj ~~      eff   0.357 0.022 16.538  0.000    0.315    0.400
## 74        pj ~~      foc  -0.078 0.018 -4.328  0.000   -0.113   -0.043
## 75        dj ~~     lawf   0.272 0.021 13.001  0.000    0.231    0.313
## 76       eff ~~       dj   0.231 0.022 10.635  0.000    0.188    0.273
## 77        dj ~~      foc  -0.065 0.019 -3.396  0.001   -0.102   -0.027
## 78       eff ~~     lawf   0.277 0.024 11.679  0.000    0.230    0.323
## 79      lawf ~~      foc  -0.065 0.020 -3.164  0.002   -0.105   -0.025
## 80       eff ~~      foc  -0.097 0.021 -4.623  0.000   -0.138   -0.056
## 81      obey ~1           -0.232 0.089 -2.611  0.009   -0.406   -0.058
## 82      obey  ~      age  -0.002 0.001 -1.675  0.094   -0.005    0.000
```

```
## 83      obey  ~   female  -0.028 0.052 -0.535  0.593   -0.130    0.074
## 84      obey  ~    educ2   0.172 0.068  2.518  0.012    0.038    0.306
## 85      obey  ~    educ3   0.213 0.067  3.178  0.001    0.081    0.344
## 86      obey  ~       pj   0.243 0.073  3.338  0.001    0.100    0.385
## 87      obey  ~       dj  -0.063 0.037 -1.720  0.085   -0.136    0.009
## 88      obey  ~     lawf   0.130 0.040  3.239  0.001    0.051    0.209
## 89      obey  ~      eff   0.211 0.049  4.332  0.000    0.116    0.307
## 90      obey  ~      foc   0.007 0.029  0.229  0.819   -0.050    0.063
## 91   moralid ~1           -0.153 0.064 -2.371  0.018   -0.279   -0.026
## 92   moralid  ~      age   0.005 0.001  5.695  0.000    0.004    0.007
## 93   moralid  ~   female  -0.007 0.038 -0.181  0.856   -0.081    0.067
## 94   moralid  ~    educ2   0.064 0.049  1.292  0.196   -0.033    0.161
## 95   moralid  ~    educ3   0.079 0.049  1.629  0.103   -0.016    0.174
## 96   moralid  ~       pj   0.507 0.053  9.539  0.000    0.403    0.611
## 97   moralid  ~       dj   0.001 0.027  0.026  0.979   -0.053    0.054
## 98   moralid  ~     lawf   0.078 0.029  2.681  0.007    0.021    0.135
## 99   moralid  ~      eff   0.168 0.036  4.740  0.000    0.099    0.238
## 100  moralid  ~      foc   0.064 0.021  3.007  0.003    0.022    0.105
## 101     obey ~~  moralid   0.016 0.019  0.824  0.410   -0.022    0.054
## 102     coop ~1            0.054 0.065  0.826  0.409   -0.074    0.182
## 103     coop  ~      age  -0.006 0.001 -5.478  0.000   -0.008   -0.004
## 104     coop  ~   female   0.016 0.040  0.395  0.693   -0.063    0.094
## 105     coop  ~    educ2   0.071 0.052  1.355  0.175   -0.032    0.174
## 106     coop  ~    educ3   0.134 0.052  2.608  0.009    0.033    0.235
## 107     coop  ~       pj   0.255 0.059  4.290  0.000    0.138    0.371
## 108     coop  ~      eff  -0.088 0.038 -2.289  0.022   -0.163   -0.013
## 109     coop  ~      foc  -0.027 0.022 -1.197  0.231   -0.071    0.017
## 110     coop  ~     obey   0.027 0.021  1.280  0.200   -0.014    0.067
## 111     coop  ~  moralid   0.148 0.046  3.217  0.001    0.058    0.238
## 112       dj ~~       dj   0.711 0.026 27.782  0.000    0.661    0.761
## 113     lawf ~~     lawf   0.773 0.029 26.673  0.000    0.716    0.829
## 114      foc ~~      foc   0.780 0.026 29.722  0.000    0.729    0.831
## 115       pj ~~       pj   0.476 0.024 20.063  0.000    0.429    0.522
## 116      eff ~~      eff   0.740 0.033 22.692  0.000    0.676    0.804
## 117     obey ~~     obey   0.975 0.037 26.561  0.000    0.903    1.047
## 118  moralid ~~  moralid   0.320 0.020 16.307  0.000    0.281    0.358
## 119     coop ~~     coop   0.576 0.022 26.241  0.000    0.533    0.619
## 120      age ~~      age 378.390 0.000     NA     NA  378.390  378.390
## 121      age ~~   female   1.153 0.000     NA     NA    1.153    1.153
## 122      age ~~    educ2  -0.511 0.000     NA     NA   -0.511   -0.511
## 123      age ~~    educ3   0.582 0.000     NA     NA    0.582    0.582
## 124   female ~~   female   0.240 0.000     NA     NA    0.240    0.240
## 125   female ~~    educ2  -0.019 0.000     NA     NA   -0.019   -0.019
## 126   female ~~    educ3   0.030 0.000     NA     NA    0.030    0.030
## 127    educ2 ~~    educ2   0.228 0.000     NA     NA    0.228    0.228
## 128    educ2 ~~    educ3  -0.148 0.000     NA     NA   -0.148   -0.148
## 129    educ3 ~~    educ3   0.244 0.000     NA     NA    0.244    0.244
## 130      age ~1           48.707 0.000     NA     NA   48.707   48.707
## 131   female ~1            0.598 0.000     NA     NA    0.598    0.598
## 132    educ2 ~1            0.353 0.000     NA     NA    0.353    0.353
## 133    educ3 ~1            0.420 0.000     NA     NA    0.420    0.420
##
## $ES
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
```

```
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1            0.017 0.068  0.245  0.807   -0.117    0.150
## 47        pj  ~      age   0.009 0.001  7.989  0.000    0.007    0.012
## 48        pj  ~   female  -0.008 0.040 -0.200  0.842   -0.087    0.071
## 49        pj  ~    educ2   0.088 0.061  1.430  0.153   -0.033    0.208
## 50        pj  ~    educ3   0.089 0.047  1.880  0.060   -0.004    0.182
## 51        dj ~1           -0.296 0.083 -3.573  0.000   -0.458   -0.134
## 52        dj  ~      age   0.006 0.001  3.950  0.000    0.003    0.008
## 53        dj  ~   female  -0.030 0.049 -0.613  0.540   -0.127    0.067
## 54        dj  ~    educ2   0.079 0.075  1.054  0.292   -0.068    0.226
```

```
## 55        dj  ~    educ3   0.120 0.057  2.098  0.036    0.008    0.233
## 56      lawf ~1           -0.404 0.074 -5.419  0.000   -0.550   -0.258
## 57      lawf  ~      age   0.005 0.001  3.688  0.000    0.002    0.007
## 58      lawf  ~   female  -0.155 0.044 -3.489  0.000   -0.241   -0.068
## 59      lawf  ~    educ2   0.297 0.067  4.431  0.000    0.166    0.428
## 60      lawf  ~    educ3   0.279 0.051  5.479  0.000    0.179    0.379
## 61       eff ~1           0.059 0.076  0.785  0.432   -0.089    0.208
## 62       eff  ~      age   0.007 0.001  5.553  0.000    0.005    0.010
## 63       eff  ~   female  -0.073 0.045 -1.623  0.105   -0.161    0.015
## 64       eff  ~    educ2   0.106 0.068  1.559  0.119   -0.027    0.240
## 65       eff  ~    educ3  -0.029 0.053 -0.545  0.586   -0.132    0.074
## 66       foc ~1           -0.415 0.080 -5.160  0.000   -0.573   -0.257
## 67       foc  ~      age   0.008 0.001  5.855  0.000    0.005    0.011
## 68       foc  ~   female   0.331 0.048  6.911  0.000    0.237    0.425
## 69       foc  ~    educ2   0.001 0.073  0.018  0.986   -0.141    0.144
## 70       foc  ~    educ3  -0.018 0.056 -0.327  0.744   -0.128    0.092
## 71        pj ~~       dj   0.324 0.022 14.462  0.000    0.280    0.368
## 72        pj ~~     lawf   0.280 0.020 13.995  0.000    0.241    0.320
## 73        pj ~~      eff   0.433 0.022 19.618  0.000    0.390    0.476
## 74        pj ~~      foc  -0.026 0.021 -1.245  0.213   -0.067    0.015
## 75        dj ~~     lawf   0.284 0.024 11.797  0.000    0.237    0.331
## 76       eff ~~       dj   0.327 0.025 13.011  0.000    0.278    0.376
## 77        dj ~~      foc  -0.047 0.026 -1.819  0.069   -0.098    0.004
## 78       eff ~~     lawf   0.302 0.022 13.421  0.000    0.258    0.346
## 79      lawf ~~      foc  -0.082 0.023 -3.564  0.000   -0.127   -0.037
## 80       eff ~~      foc  -0.065 0.023 -2.763  0.006   -0.111   -0.019
## 81      obey ~1           -0.129 0.061 -2.101  0.036   -0.249   -0.009
## 82      obey  ~      age  -0.002 0.001 -1.881  0.060   -0.004    0.000
## 83      obey  ~   female   0.039 0.036  1.073  0.283   -0.032    0.109
## 84      obey  ~    educ2  -0.046 0.054 -0.856  0.392   -0.152    0.060
## 85      obey  ~    educ3  -0.155 0.042 -3.684  0.000   -0.238   -0.073
## 86      obey  ~       pj   0.288 0.049  5.812  0.000    0.191    0.385
## 87      obey  ~       dj  -0.025 0.022 -1.130  0.258   -0.067    0.018
## 88      obey  ~     lawf   0.068 0.025  2.750  0.006    0.020    0.117
## 89      obey  ~      eff   0.136 0.040  3.432  0.001    0.058    0.214
## 90      obey  ~      foc   0.028 0.017  1.635  0.102   -0.006    0.062
## 91   moralid ~1           -0.313 0.059 -5.276  0.000   -0.429   -0.197
## 92   moralid  ~      age   0.002 0.001  1.710  0.087    0.000    0.004
## 93   moralid  ~   female   0.061 0.035  1.742  0.081   -0.008    0.129
## 94   moralid  ~    educ2  -0.049 0.052 -0.928  0.353   -0.151    0.054
## 95   moralid  ~    educ3   0.022 0.041  0.538  0.591   -0.058    0.102
## 96   moralid  ~       pj   0.764 0.049 15.516  0.000    0.667    0.860
## 97   moralid  ~       dj   0.004 0.021  0.209  0.835   -0.037    0.046
## 98   moralid  ~     lawf   0.065 0.024  2.680  0.007    0.018    0.113
## 99   moralid  ~      eff   0.137 0.039  3.539  0.000    0.061    0.213
## 100  moralid  ~      foc  -0.022 0.017 -1.316  0.188   -0.055    0.011
## 101     obey ~~  moralid   0.033 0.013  2.504  0.012    0.007    0.059
## 102     coop ~1           0.271 0.075  3.625  0.000    0.124    0.417
## 103     coop  ~      age  -0.003 0.001 -2.563  0.010   -0.006   -0.001
## 104     coop  ~   female  -0.255 0.043 -5.983  0.000   -0.339   -0.172
## 105     coop  ~    educ2   0.097 0.064  1.518  0.129   -0.028    0.221
## 106     coop  ~    educ3   0.183 0.050  3.682  0.000    0.086    0.280
## 107     coop  ~       pj   0.204 0.087  2.333  0.020    0.033    0.375
## 108     coop  ~      eff  -0.062 0.047 -1.333  0.183   -0.154    0.029
```

```
## 109     coop  ~      foc   0.017 0.020  0.837  0.402   -0.023    0.057
## 110     coop  ~     obey   0.067 0.032  2.074  0.038    0.004    0.131
## 111     coop  ~  moralid  -0.045 0.068 -0.658  0.510   -0.179    0.089
## 112       dj ~~       dj   1.023 0.035 28.877  0.000    0.953    1.092
## 113     lawf ~~     lawf   0.786 0.028 28.017  0.000    0.731    0.841
## 114      foc ~~      foc   1.072 0.035 30.602  0.000    1.003    1.141
## 115       pj ~~       pj   0.550 0.025 22.012  0.000    0.501    0.599
## 116      eff ~~      eff   0.728 0.031 23.573  0.000    0.668    0.789
## 117     obey ~~     obey   0.494 0.019 25.804  0.000    0.456    0.531
## 118  moralid ~~  moralid   0.230 0.018 12.833  0.000    0.195    0.265
## 119     coop ~~     coop   0.746 0.027 27.774  0.000    0.693    0.799
## 120      age ~~      age 333.359 0.000     NA     NA  333.359  333.359
## 121      age ~~   female   0.097 0.000     NA     NA    0.097    0.097
## 122      age ~~    educ2  -1.324 0.000     NA     NA   -1.324   -1.324
## 123      age ~~    educ3  -1.369 0.000     NA     NA   -1.369   -1.369
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2  -0.002 0.000     NA     NA   -0.002   -0.002
## 126   female ~~    educ3  -0.004 0.000     NA     NA   -0.004   -0.004
## 127    educ2 ~~    educ2   0.125 0.000     NA     NA    0.125    0.125
## 128    educ2 ~~    educ3  -0.043 0.000     NA     NA   -0.043   -0.043
## 129    educ3 ~~    educ3   0.207 0.000     NA     NA    0.207    0.207
## 130      age ~1           45.853 0.000     NA     NA   45.853   45.853
## 131   female ~1            0.508 0.000     NA     NA    0.508    0.508
## 132    educ2 ~1            0.147 0.000     NA     NA    0.147    0.147
## 133    educ3 ~1            0.293 0.000     NA     NA    0.293    0.293
##
## $FI
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21     obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22    obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23    obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24    obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25    obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26    obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
```

```
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1            0.335 0.063  5.324  0.000    0.212    0.459
## 47        pj  ~      age   0.001 0.001  0.761  0.446   -0.001    0.003
## 48        pj  ~   female   0.031 0.035  0.884  0.377   -0.038    0.101
## 49        pj  ~    educ2   0.043 0.047  0.930  0.352   -0.048    0.135
## 50        pj  ~    educ3   0.263 0.043  6.099  0.000    0.178    0.347
## 51        dj ~1            0.682 0.075  9.132  0.000    0.535    0.828
## 52        dj  ~      age  -0.004 0.001 -3.795  0.000   -0.007   -0.002
## 53        dj  ~   female  -0.087 0.042 -2.055  0.040   -0.170   -0.004
## 54        dj  ~    educ2  -0.175 0.056 -3.150  0.002   -0.284   -0.066
## 55        dj  ~    educ3  -0.074 0.051 -1.441  0.149   -0.175    0.027
## 56      lawf ~1            0.771 0.065 11.777  0.000    0.643    0.899
## 57      lawf  ~      age  -0.001 0.001 -0.934  0.350   -0.003    0.001
## 58      lawf  ~   female  -0.151 0.037 -4.102  0.000   -0.224   -0.079
## 59      lawf  ~    educ2   0.080 0.049  1.651  0.099   -0.015    0.176
## 60      lawf  ~    educ3   0.440 0.045  9.789  0.000    0.352    0.529
## 61       eff ~1            0.400 0.073  5.456  0.000    0.256    0.543
## 62       eff  ~      age   0.005 0.001  4.837  0.000    0.003    0.007
## 63       eff  ~   female   0.081 0.041  1.966  0.049    0.000    0.162
## 64       eff  ~    educ2  -0.220 0.054 -4.042  0.000   -0.326   -0.113
## 65       eff  ~    educ3  -0.112 0.050 -2.235  0.025   -0.210   -0.014
## 66       foc ~1           -0.117 0.062 -1.887  0.059   -0.239    0.005
## 67       foc  ~      age  -0.001 0.001 -1.326  0.185   -0.003    0.001
## 68       foc  ~   female   0.185 0.035  5.295  0.000    0.117    0.254
## 69       foc  ~    educ2   0.077 0.046  1.674  0.094   -0.013    0.167
## 70       foc  ~    educ3   0.088 0.042  2.066  0.039    0.005    0.171
## 71        pj ~~       dj   0.172 0.017 10.323  0.000    0.140    0.205
## 72        pj ~~     lawf   0.163 0.015 11.153  0.000    0.134    0.192
## 73        pj ~~      eff   0.237 0.017 14.134  0.000    0.204    0.270
## 74        pj ~~      foc  -0.030 0.013 -2.265  0.023   -0.057   -0.004
## 75        dj ~~     lawf   0.173 0.017 10.012  0.000    0.139    0.207
## 76       eff ~~       dj   0.185 0.019  9.521  0.000    0.147    0.223
## 77        dj ~~      foc  -0.058 0.016 -3.622  0.000   -0.090   -0.027
## 78       eff ~~     lawf   0.124 0.017  7.393  0.000    0.091    0.156
## 79      lawf ~~      foc  -0.065 0.014 -4.629  0.000   -0.092   -0.037
## 80       eff ~~      foc  -0.039 0.016 -2.488  0.013   -0.070   -0.008
```

```
## 81      obey ~1           0.149 0.055  2.717  0.007    0.042    0.257
## 82      obey  ~      age   0.000 0.001  0.607  0.544   -0.001    0.002
## 83      obey  ~   female   0.089 0.030  2.964  0.003    0.030    0.147
## 84      obey  ~    educ2   0.139 0.039  3.517  0.000    0.061    0.216
## 85      obey  ~    educ3   0.167 0.038  4.338  0.000    0.092    0.242
## 86      obey  ~       pj   0.267 0.042  6.413  0.000    0.186    0.349
## 87      obey  ~       dj   0.020 0.019  1.034  0.301   -0.017    0.056
## 88      obey  ~     lawf   0.054 0.021  2.531  0.011    0.012    0.095
## 89      obey  ~      eff   0.147 0.029  5.001  0.000    0.089    0.205
## 90      obey  ~      foc   0.030 0.020  1.506  0.132   -0.009    0.068
## 91   moralid ~1          -0.063 0.062 -1.017  0.309   -0.183    0.058
## 92   moralid  ~      age   0.003 0.001  3.595  0.000    0.001    0.005
## 93   moralid  ~   female   0.046 0.034  1.377  0.169   -0.020    0.112
## 94   moralid  ~    educ2   0.076 0.044  1.712  0.087   -0.011    0.163
## 95   moralid  ~    educ3   0.100 0.043  2.328  0.020    0.016    0.185
## 96   moralid  ~       pj   0.481 0.047 10.224  0.000    0.389    0.573
## 97   moralid  ~       dj   0.033 0.021  1.548  0.122   -0.009    0.074
## 98   moralid  ~     lawf   0.074 0.024  3.139  0.002    0.028    0.121
## 99   moralid  ~      eff   0.142 0.033  4.311  0.000    0.077    0.206
## 100  moralid  ~      foc   0.027 0.022  1.228  0.219   -0.016    0.070
## 101     obey ~~  moralid   0.086 0.011  8.024  0.000    0.065    0.108
## 102     coop ~1           0.294 0.066  4.462  0.000    0.165    0.423
## 103     coop  ~      age  -0.006 0.001 -6.251  0.000   -0.008   -0.004
## 104     coop  ~   female  -0.142 0.037 -3.857  0.000   -0.214   -0.070
## 105     coop  ~    educ2   0.134 0.049  2.743  0.006    0.038    0.229
## 106     coop  ~    educ3   0.268 0.047  5.729  0.000    0.177    0.360
## 107     coop  ~       pj   0.087 0.058  1.507  0.132   -0.026    0.200
## 108     coop  ~      eff  -0.071 0.037 -1.935  0.053   -0.142    0.001
## 109     coop  ~      foc  -0.068 0.024 -2.828  0.005   -0.115   -0.021
## 110     coop  ~     obey   0.150 0.039  3.820  0.000    0.073    0.227
## 111     coop  ~  moralid   0.163 0.052  3.150  0.002    0.061    0.264
## 112       dj ~~       dj   0.789 0.027 29.570  0.000    0.737    0.841
## 113     lawf ~~     lawf   0.612 0.020 29.949  0.000    0.572    0.652
## 114      foc ~~      foc   0.570 0.019 30.610  0.000    0.533    0.606
## 115       pj ~~       pj   0.375 0.019 19.626  0.000    0.337    0.412
## 116      eff ~~      eff   0.581 0.026 22.295  0.000    0.530    0.632
## 117     obey ~~     obey   0.313 0.013 23.870  0.000    0.288    0.339
## 118  moralid ~~  moralid   0.265 0.017 16.045  0.000    0.233    0.298
## 119     coop ~~     coop   0.542 0.020 27.171  0.000    0.503    0.581
## 120      age ~~      age 370.110 0.000     NA     NA  370.110  370.110
## 121      age ~~   female   0.183 0.000     NA     NA    0.183    0.183
## 122      age ~~    educ2  -1.258 0.000     NA     NA   -1.258   -1.258
## 123      age ~~    educ3  -0.437 0.000     NA     NA   -0.437   -0.437
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2  -0.014 0.000     NA     NA   -0.014   -0.014
## 126   female ~~    educ3   0.009 0.000     NA     NA    0.009    0.009
## 127    educ2 ~~    educ2   0.208 0.000     NA     NA    0.208    0.208
## 128    educ2 ~~    educ3  -0.118 0.000     NA     NA   -0.118   -0.118
## 129    educ3 ~~    educ3   0.240 0.000     NA     NA    0.240    0.240
## 130      age ~1          48.796 0.000     NA     NA   48.796   48.796
## 131   female ~1           0.515 0.000     NA     NA    0.515    0.515
## 132    educ2 ~1           0.295 0.000     NA     NA    0.295    0.295
## 133    educ3 ~1           0.398 0.000     NA     NA    0.398    0.398
##
```

```
## $FR
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1           2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1           2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1           2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1           5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1           4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1           5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1           5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1           6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1          -0.490 0.093 -5.291  0.000   -0.671   -0.308
## 47        pj  ~      age   0.005 0.001  3.412  0.001    0.002    0.007
## 48        pj  ~   female   0.122 0.047  2.597  0.009    0.030    0.214
## 49        pj  ~    educ2   0.002 0.058  0.040  0.968   -0.111    0.116
## 50        pj  ~    educ3   0.063 0.065  0.974  0.330   -0.064    0.190
## 51        dj ~1          -0.248 0.090 -2.757  0.006   -0.424   -0.072
## 52        dj  ~      age   0.000 0.001 -0.346  0.729   -0.003    0.002
```

```
## 53        dj  ~   female   0.059 0.046  1.284  0.199   -0.031    0.148
## 54        dj  ~    educ2   0.032 0.057  0.565  0.572   -0.079    0.143
## 55        dj  ~    educ3  -0.123 0.063 -1.943  0.052   -0.248    0.001
## 56      lawf ~1           -0.680 0.090 -7.560  0.000   -0.856   -0.504
## 57      lawf  ~      age   0.006 0.001  5.002  0.000    0.004    0.009
## 58      lawf  ~   female  -0.056 0.045 -1.230  0.219   -0.145    0.033
## 59      lawf  ~    educ2   0.077 0.056  1.371  0.171   -0.033    0.187
## 60      lawf  ~    educ3   0.181 0.063  2.881  0.004    0.058    0.305
## 61       eff ~1           -0.137 0.095 -1.439  0.150   -0.325    0.050
## 62       eff  ~      age   0.007 0.001  4.833  0.000    0.004    0.009
## 63       eff  ~   female   0.094 0.048  1.944  0.052   -0.001    0.189
## 64       eff  ~    educ2  -0.185 0.060 -3.096  0.002   -0.302   -0.068
## 65       eff  ~    educ3  -0.341 0.067 -5.088  0.000   -0.472   -0.209
## 66       foc ~1           -0.035 0.091 -0.386  0.699   -0.215    0.144
## 67       foc  ~      age   0.001 0.001  0.978  0.328   -0.001    0.004
## 68       foc  ~   female   0.286 0.046  6.161  0.000    0.195    0.377
## 69       foc  ~    educ2   0.100 0.057  1.743  0.081   -0.012    0.212
## 70       foc  ~    educ3   0.012 0.064  0.182  0.856   -0.114    0.137
## 71        pj ~~       dj   0.327 0.023 13.991  0.000    0.281    0.373
## 72        pj ~~     lawf   0.298 0.023 12.982  0.000    0.253    0.343
## 73        pj ~~      eff   0.441 0.026 17.277  0.000    0.391    0.491
## 74        pj ~~      foc  -0.003 0.022 -0.138  0.890   -0.047    0.041
## 75        dj ~~     lawf   0.281 0.022 12.599  0.000    0.237    0.324
## 76       eff ~~       dj   0.232 0.023  9.926  0.000    0.186    0.278
## 77        dj ~~      foc   0.013 0.022  0.583  0.560   -0.030    0.056
## 78       eff ~~     lawf   0.297 0.024 12.554  0.000    0.251    0.343
## 79      lawf ~~      foc   0.017 0.022  0.774  0.439   -0.026    0.059
## 80       eff ~~      foc  -0.060 0.023 -2.616  0.009   -0.105   -0.015
## 81      obey ~1           0.041 0.083  0.493  0.622   -0.122    0.204
## 82      obey  ~      age  -0.004 0.001 -3.032  0.002   -0.006   -0.001
## 83      obey  ~   female   0.003 0.042  0.077  0.939   -0.078    0.085
## 84      obey  ~    educ2  -0.016 0.051 -0.321  0.748   -0.116    0.084
## 85      obey  ~    educ3   0.138 0.059  2.349  0.019    0.023    0.253
## 86      obey  ~       pj   0.202 0.040  4.994  0.000    0.123    0.281
## 87      obey  ~       dj   0.034 0.026  1.345  0.179   -0.016    0.084
## 88      obey  ~     lawf  -0.003 0.026 -0.120  0.905   -0.055    0.048
## 89      obey  ~      eff   0.161 0.036  4.442  0.000    0.090    0.232
## 90      obey  ~      foc   0.038 0.021  1.761  0.078   -0.004    0.080
## 91   moralid ~1           -0.255 0.084 -3.046  0.002   -0.419   -0.091
## 92   moralid  ~      age   0.005 0.001  4.630  0.000    0.003    0.008
## 93   moralid  ~   female  -0.108 0.042 -2.579  0.010   -0.191   -0.026
## 94   moralid  ~    educ2  -0.002 0.052 -0.042  0.966   -0.103    0.099
## 95   moralid  ~    educ3  -0.036 0.059 -0.614  0.539   -0.153    0.080
## 96   moralid  ~       pj   0.502 0.041 12.237  0.000    0.421    0.582
## 97   moralid  ~       dj   0.061 0.026  2.353  0.019    0.010    0.112
## 98   moralid  ~     lawf   0.018 0.026  0.675  0.500   -0.034    0.069
## 99   moralid  ~      eff   0.401 0.037 10.937  0.000    0.329    0.472
## 100  moralid  ~      foc   0.125 0.022  5.787  0.000    0.083    0.168
## 101     obey ~~  moralid   0.100 0.018  5.691  0.000    0.066    0.134
## 102     coop ~1           0.427 0.087  4.922  0.000    0.257    0.597
## 103     coop  ~      age  -0.002 0.001 -1.367  0.172   -0.004    0.001
## 104     coop  ~   female  -0.177 0.044 -4.032  0.000   -0.263   -0.091
## 105     coop  ~    educ2   0.161 0.054  2.993  0.003    0.055    0.266
## 106     coop  ~    educ3   0.308 0.061  5.021  0.000    0.188    0.428
```

```
## 107     coop  ~       pj   0.133 0.047  2.857  0.004    0.042    0.224
## 108     coop  ~      eff  -0.097 0.041 -2.333  0.020   -0.178   -0.015
## 109     coop  ~      foc  -0.006 0.023 -0.271  0.787   -0.052    0.039
## 110     coop  ~     obey   0.037 0.029  1.271  0.204   -0.020    0.094
## 111     coop  ~  moralid   0.094 0.041  2.271  0.023    0.013    0.175
## 112       dj ~~       dj   0.860 0.030 28.740  0.000    0.801    0.918
## 113     lawf ~~     lawf   0.834 0.029 28.521  0.000    0.777    0.891
## 114      foc ~~      foc   0.911 0.031 29.301  0.000    0.850    0.972
## 115       pj ~~       pj   0.720 0.032 22.645  0.000    0.657    0.782
## 116      eff ~~      eff   0.783 0.034 23.091  0.000    0.716    0.849
## 117     obey ~~     obey   0.627 0.024 25.958  0.000    0.580    0.674
## 118  moralid ~~  moralid   0.447 0.025 18.170  0.000    0.399    0.495
## 119     coop ~~     coop   0.717 0.027 26.826  0.000    0.665    0.770
## 120      age ~~      age 342.594 0.000     NA     NA  342.594  342.594
## 121      age ~~   female  -0.044 0.000     NA     NA   -0.044   -0.044
## 122      age ~~    educ2  -1.149 0.000     NA     NA   -1.149   -1.149
## 123      age ~~    educ3  -1.410 0.000     NA     NA   -1.410   -1.410
## 124   female ~~   female   0.249 0.000     NA     NA    0.249    0.249
## 125   female ~~    educ2  -0.022 0.000     NA     NA   -0.022   -0.022
## 126   female ~~    educ3   0.014 0.000     NA     NA    0.014    0.014
## 127    educ2 ~~    educ2   0.246 0.000     NA     NA    0.246    0.246
## 128    educ2 ~~    educ3  -0.119 0.000     NA     NA   -0.119   -0.119
## 129    educ3 ~~    educ3   0.199 0.000     NA     NA    0.199    0.199
## 130      age ~1           49.415 0.000     NA     NA   49.415   49.415
## 131   female ~1            0.535 0.000     NA     NA    0.535    0.535
## 132    educ2 ~1            0.437 0.000     NA     NA    0.437    0.437
## 133    educ3 ~1            0.273 0.000     NA     NA    0.273    0.273
##
## $GB
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
```

```
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1            0.032 0.069  0.462  0.644   -0.103    0.167
## 47        pj  ~      age   0.004 0.001  3.820  0.000    0.002    0.006
## 48        pj  ~   female   0.048 0.038  1.249  0.212   -0.027    0.123
## 49        pj  ~    educ2   0.113 0.050  2.267  0.023    0.015    0.210
## 50        pj  ~    educ3   0.240 0.045  5.342  0.000    0.152    0.328
## 51        dj ~1            0.079 0.078  1.020  0.308   -0.073    0.231
## 52        dj  ~      age   0.001 0.001  0.670  0.503   -0.002    0.003
## 53        dj  ~   female   0.070 0.043  1.607  0.108   -0.015    0.155
## 54        dj  ~    educ2   0.038 0.056  0.677  0.499   -0.072    0.148
## 55        dj  ~    educ3   0.019 0.051  0.373  0.709   -0.081    0.119
## 56      lawf ~1            0.037 0.069  0.543  0.587   -0.097    0.172
## 57      lawf  ~      age   0.002 0.001  2.147  0.032    0.000    0.004
## 58      lawf  ~   female  -0.111 0.038 -2.936  0.003   -0.185   -0.037
## 59      lawf  ~    educ2   0.048 0.049  0.991  0.322   -0.047    0.144
## 60      lawf  ~    educ3   0.263 0.045  5.886  0.000    0.175    0.350
## 61       eff ~1           -0.091 0.077 -1.178  0.239   -0.242    0.060
## 62       eff  ~      age   0.002 0.001  1.316  0.188   -0.001    0.004
## 63       eff  ~   female   0.083 0.043  1.937  0.053   -0.001    0.168
## 64       eff  ~    educ2  -0.018 0.056 -0.324  0.746   -0.127    0.091
## 65       eff  ~    educ3  -0.019 0.050 -0.378  0.706   -0.118    0.080
## 66       foc ~1            0.077 0.068  1.135  0.256   -0.056    0.209
## 67       foc  ~      age  -0.004 0.001 -3.780  0.000   -0.006   -0.002
## 68       foc  ~   female   0.130 0.038  3.435  0.001    0.056    0.204
## 69       foc  ~    educ2  -0.002 0.049 -0.035  0.972   -0.098    0.094
## 70       foc  ~    educ3  -0.038 0.044 -0.863  0.388   -0.125    0.049
## 71        pj ~~       dj   0.273 0.020 13.474  0.000    0.233    0.313
## 72        pj ~~     lawf   0.201 0.018 11.469  0.000    0.167    0.235
## 73        pj ~~      eff   0.419 0.021 19.668  0.000    0.377    0.461
## 74        pj ~~      foc  -0.103 0.017 -5.928  0.000   -0.137   -0.069
## 75        dj ~~     lawf   0.216 0.020 10.878  0.000    0.177    0.255
## 76       eff ~~       dj   0.315 0.023 13.658  0.000    0.270    0.360
## 77        dj ~~      foc  -0.066 0.020 -3.383  0.001   -0.105   -0.028
## 78       eff ~~     lawf   0.239 0.020 11.962  0.000    0.200    0.278
```

```
## 79      lawf ~~      foc  -0.081 0.017 -4.683  0.000   -0.115   -0.047
## 80       eff ~~      foc  -0.103 0.019 -5.305  0.000   -0.141   -0.065
## 81      obey ~1           -0.227 0.062 -3.644  0.000   -0.349   -0.105
## 82      obey  ~      age   0.002 0.001  2.555  0.011    0.001    0.004
## 83      obey  ~   female  -0.088 0.035 -2.527  0.012   -0.156   -0.020
## 84      obey  ~    educ2   0.061 0.045  1.369  0.171   -0.027    0.149
## 85      obey  ~    educ3   0.133 0.042  3.175  0.001    0.051    0.215
## 86      obey  ~       pj   0.216 0.036  5.945  0.000    0.145    0.288
## 87      obey  ~       dj   0.023 0.022  1.066  0.286   -0.019    0.065
## 88      obey  ~     lawf   0.054 0.025  2.168  0.030    0.005    0.103
## 89      obey  ~      eff   0.187 0.031  6.114  0.000    0.127    0.247
## 90      obey  ~      foc   0.050 0.019  2.579  0.010    0.012    0.087
## 91   moralid ~1           -0.267 0.058 -4.627  0.000   -0.380   -0.154
## 92   moralid  ~      age   0.003 0.001  3.910  0.000    0.002    0.005
## 93   moralid  ~   female   0.040 0.032  1.233  0.218   -0.024    0.103
## 94   moralid  ~    educ2  -0.031 0.042 -0.742  0.458   -0.113    0.051
## 95   moralid  ~    educ3   0.005 0.039  0.132  0.895   -0.071    0.081
## 96   moralid  ~       pj   0.577 0.034 17.000  0.000    0.510    0.643
## 97   moralid  ~       dj   0.078 0.020  3.883  0.000    0.038    0.117
## 98   moralid  ~     lawf   0.049 0.023  2.101  0.036    0.003    0.095
## 99   moralid  ~      eff   0.196 0.028  6.926  0.000    0.140    0.251
## 100  moralid  ~      foc   0.016 0.018  0.889  0.374   -0.019    0.051
## 101     obey ~~  moralid   0.098 0.013  7.293  0.000    0.072    0.125
## 102     coop ~1           0.055 0.065  0.849  0.396   -0.073    0.183
## 103     coop  ~      age   0.002 0.001  1.764  0.078    0.000    0.004
## 104     coop  ~   female  -0.098 0.036 -2.709  0.007   -0.169   -0.027
## 105     coop  ~    educ2   0.278 0.047  5.947  0.000    0.186    0.369
## 106     coop  ~    educ3   0.285 0.043  6.625  0.000    0.201    0.370
## 107     coop  ~       pj   0.212 0.049  4.354  0.000    0.116    0.307
## 108     coop  ~      eff  -0.075 0.032 -2.337  0.019   -0.139   -0.012
## 109     coop  ~      foc  -0.050 0.020 -2.516  0.012   -0.090   -0.011
## 110     coop  ~     obey   0.115 0.026  4.398  0.000    0.064    0.166
## 111     coop  ~  moralid  -0.030 0.044 -0.674  0.500   -0.117    0.057
## 112       dj ~~       dj   0.943 0.030 31.517  0.000    0.884    1.001
## 113     lawf ~~     lawf   0.680 0.022 30.760  0.000    0.637    0.724
## 114      foc ~~      foc   0.820 0.024 34.125  0.000    0.773    0.867
## 115       pj ~~       pj   0.618 0.024 25.291  0.000    0.570    0.666
## 116      eff ~~      eff   0.821 0.031 26.675  0.000    0.761    0.882
## 117     obey ~~     obey   0.581 0.020 29.372  0.000    0.543    0.620
## 118  moralid ~~  moralid   0.314 0.017 18.242  0.000    0.280    0.348
## 119     coop ~~     coop   0.655 0.021 30.625  0.000    0.613    0.697
## 120      age ~~      age 356.303 0.000     NA     NA  356.303  356.303
## 121      age ~~   female   0.133 0.000     NA     NA    0.133    0.133
## 122      age ~~    educ2  -1.325 0.000     NA     NA   -1.325   -1.325
## 123      age ~~    educ3  -0.997 0.000     NA     NA   -0.997   -0.997
## 124   female ~~   female   0.246 0.000     NA     NA    0.246    0.246
## 125   female ~~    educ2  -0.010 0.000     NA     NA   -0.010   -0.010
## 126   female ~~    educ3  -0.002 0.000     NA     NA   -0.002   -0.002
## 127    educ2 ~~    educ2   0.186 0.000     NA     NA    0.186    0.186
## 128    educ2 ~~    educ3  -0.083 0.000     NA     NA   -0.083   -0.083
## 129    educ3 ~~    educ3   0.223 0.000     NA     NA    0.223    0.223
## 130      age ~1           49.691 0.000     NA     NA   49.691   49.691
## 131   female ~1            0.565 0.000     NA     NA    0.565    0.565
## 132    educ2 ~1            0.246 0.000     NA     NA    0.246    0.246
```

```
## 133    educ3 ~1           0.337 0.000     NA     NA    0.337    0.337
##
## $GR
##          lhs op      rhs     est    se       z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000      NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000      NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000      NA     NA    0.533    0.533
## 4        pj1 ~1           2.766 0.000      NA     NA    2.766    2.766
## 5        pj2 ~1           2.716 0.000      NA     NA    2.716    2.716
## 6        pj3 ~1           2.557 0.000      NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000      NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000      NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000      NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000      NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000      NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000      NA     NA    1.428    1.428
## 13      eff1 ~1           5.130 0.000      NA     NA    5.130    5.130
## 14      eff2 ~1           4.722 0.000      NA     NA    4.722    4.722
## 15      eff3 ~1           5.684 0.000      NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000      NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000      NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000      NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000      NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000      NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000      NA     NA    2.495    2.495
## 22     obey1 ~1           5.702 0.000      NA     NA    5.702    5.702
## 23     obey2 ~1           6.100 0.000      NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000      NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000      NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000      NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000      NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000      NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000      NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000      NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000      NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000      NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000      NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000      NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000      NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000      NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000      NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000      NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000      NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000      NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000      NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000      NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000      NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000      NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000      NA     NA    0.263    0.263
## 46        pj ~1          -0.842 0.088  -9.549  0.000   -1.015   -0.669
## 47        pj  ~      age   0.012 0.001   9.123  0.000    0.009    0.014
## 48        pj  ~   female   0.120 0.044   2.736  0.006    0.034    0.206
## 49        pj  ~    educ2  -0.120 0.055  -2.168  0.030   -0.229   -0.012
## 50        pj  ~    educ3  -0.186 0.061  -3.058  0.002   -0.305   -0.067
```

```
## 51        dj ~1          -0.732 0.068 -10.689  0.000   -0.866   -0.598
## 52        dj  ~      age   0.004 0.001   3.711  0.000    0.002    0.006
## 53        dj  ~   female   0.083 0.034   2.435  0.015    0.016    0.150
## 54        dj  ~    educ2   0.005 0.043   0.112  0.911   -0.079    0.089
## 55        dj  ~    educ3  -0.070 0.047  -1.491  0.136   -0.163    0.022
## 56      lawf ~1          -0.886 0.075 -11.772  0.000   -1.033   -0.738
## 57      lawf  ~      age   0.007 0.001   6.717  0.000    0.005    0.010
## 58      lawf  ~   female   0.039 0.037   1.049  0.294   -0.033    0.111
## 59      lawf  ~    educ2  -0.072 0.047  -1.540  0.124   -0.164    0.020
## 60      lawf  ~    educ3  -0.158 0.051  -3.096  0.002   -0.258   -0.058
## 61       eff ~1          -0.679 0.093  -7.277  0.000   -0.861   -0.496
## 62       eff  ~      age   0.011 0.001   8.259  0.000    0.009    0.014
## 63       eff  ~   female   0.079 0.046   1.698  0.089   -0.012    0.170
## 64       eff  ~    educ2  -0.149 0.059  -2.542  0.011   -0.263   -0.034
## 65       eff  ~    educ3  -0.303 0.064  -4.716  0.000   -0.428   -0.177
## 66       foc ~1           0.038 0.085   0.451  0.652   -0.128    0.205
## 67       foc  ~      age   0.008 0.001   6.763  0.000    0.006    0.011
## 68       foc  ~   female   0.472 0.042  11.175  0.000    0.389    0.555
## 69       foc  ~    educ2   0.008 0.053   0.155  0.877   -0.096    0.113
## 70       foc  ~    educ3  -0.003 0.058  -0.047  0.962   -0.117    0.112
## 71        pj ~~       dj   0.318 0.020  15.833  0.000    0.278    0.357
## 72        pj ~~     lawf   0.448 0.022  20.433  0.000    0.405    0.491
## 73        pj ~~      eff   0.849 0.031  27.645  0.000    0.789    0.909
## 74        pj ~~      foc  -0.069 0.024  -2.876  0.004   -0.115   -0.022
## 75        dj ~~     lawf   0.227 0.017  13.501  0.000    0.194    0.259
## 76       eff ~~       dj   0.329 0.021  15.501  0.000    0.287    0.370
## 77        dj ~~      foc  -0.044 0.018  -2.381  0.017   -0.080   -0.008
## 78       eff ~~     lawf   0.433 0.023  18.665  0.000    0.387    0.478
## 79      lawf ~~      foc  -0.060 0.020  -2.988  0.003   -0.099   -0.021
## 80       eff ~~      foc  -0.144 0.025  -5.691  0.000   -0.194   -0.094
## 81      obey ~1          -0.216 0.072  -3.017  0.003   -0.356   -0.076
## 82      obey  ~      age   0.003 0.001   3.307  0.001    0.001    0.006
## 83      obey  ~   female  -0.039 0.035  -1.124  0.261   -0.107    0.029
## 84      obey  ~    educ2  -0.008 0.043  -0.192  0.848   -0.092    0.076
## 85      obey  ~    educ3   0.026 0.047   0.554  0.580   -0.066    0.119
## 86      obey  ~       pj   0.271 0.034   7.955  0.000    0.204    0.338
## 87      obey  ~       dj   0.041 0.023   1.827  0.068   -0.003    0.086
## 88      obey  ~     lawf   0.032 0.026   1.230  0.219   -0.019    0.082
## 89      obey  ~      eff   0.145 0.030   4.827  0.000    0.086    0.203
## 90      obey  ~      foc   0.066 0.016   4.246  0.000    0.036    0.097
## 91   moralid ~1          -0.209 0.067  -3.116  0.002   -0.340   -0.077
## 92   moralid  ~      age   0.002 0.001   2.234  0.025    0.000    0.004
## 93   moralid  ~   female  -0.035 0.033  -1.078  0.281   -0.099    0.029
## 94   moralid  ~    educ2   0.042 0.040   1.049  0.294   -0.037    0.121
## 95   moralid  ~    educ3   0.007 0.044   0.163  0.871   -0.080    0.094
## 96   moralid  ~       pj   0.543 0.032  16.960  0.000    0.480    0.606
## 97   moralid  ~       dj   0.063 0.021   2.961  0.003    0.021    0.104
## 98   moralid  ~     lawf   0.082 0.025   3.340  0.001    0.034    0.130
## 99   moralid  ~      eff   0.247 0.028   8.816  0.000    0.192    0.302
## 100  moralid  ~      foc   0.022 0.015   1.505  0.132   -0.007    0.051
## 101     obey ~~  moralid   0.133 0.014   9.321  0.000    0.105    0.160
## 102     coop ~1          0.037 0.081   0.450  0.653   -0.123    0.196
## 103     coop  ~      age   0.001 0.001   0.783  0.434   -0.001    0.003
## 104     coop  ~   female  -0.133 0.040  -3.294  0.001   -0.211   -0.054
```

```
## 105     coop  ~    educ2   0.068 0.050   1.378  0.168   -0.029    0.166
## 106     coop  ~    educ3   0.209 0.055   3.839  0.000    0.102    0.316
## 107     coop  ~       pj   0.043 0.046   0.934  0.351   -0.048    0.134
## 108     coop  ~      eff   0.105 0.035   2.950  0.003    0.035    0.174
## 109     coop  ~      foc   0.015 0.018   0.821  0.412   -0.021    0.050
## 110     coop  ~     obey  -0.031 0.026  -1.155  0.248   -0.082    0.021
## 111     coop  ~  moralid   0.027 0.041   0.647  0.518   -0.054    0.108
## 112       dj ~~       dj   0.725 0.020  35.411  0.000    0.685    0.765
## 113     lawf ~~     lawf   0.750 0.023  33.082  0.000    0.706    0.795
## 114      foc ~~      foc   1.190 0.032  36.803  0.000    1.126    1.253
## 115       pj ~~       pj   1.056 0.035  30.470  0.000    0.988    1.123
## 116      eff ~~      eff   1.222 0.039  31.336  0.000    1.145    1.298
## 117     obey ~~     obey   0.669 0.021  32.271  0.000    0.628    0.709
## 118  moralid ~~  moralid   0.400 0.018  21.911  0.000    0.365    0.436
## 119     coop ~~     coop   0.949 0.028  34.269  0.000    0.895    1.004
## 120      age ~~      age 352.594 0.000      NA     NA  352.594  352.594
## 121      age ~~   female  -0.160 0.000      NA     NA   -0.160   -0.160
## 122      age ~~    educ2  -2.720 0.000      NA     NA   -2.720   -2.720
## 123      age ~~    educ3  -1.455 0.000      NA     NA   -1.455   -1.455
## 124   female ~~   female   0.246 0.000      NA     NA    0.246    0.246
## 125   female ~~    educ2  -0.001 0.000      NA     NA   -0.001   -0.001
## 126   female ~~    educ3  -0.002 0.000      NA     NA   -0.002   -0.002
## 127    educ2 ~~    educ2   0.234 0.000      NA     NA    0.234    0.234
## 128    educ2 ~~    educ3  -0.091 0.000      NA     NA   -0.091   -0.091
## 129    educ3 ~~    educ3   0.183 0.000      NA     NA    0.183    0.183
## 130      age ~1           47.596 0.000      NA     NA   47.596   47.596
## 131   female ~1            0.562 0.000      NA     NA    0.562    0.562
## 132    educ2 ~1            0.375 0.000      NA     NA    0.375    0.375
## 133    educ3 ~1            0.242 0.000      NA     NA    0.242    0.242
##
## $HR
##          lhs op      rhs     est    se       z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000      NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000      NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000      NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000      NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000      NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000      NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000      NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000      NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000      NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000      NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000      NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000      NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000      NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000      NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000      NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000      NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000      NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000      NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000      NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000      NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000      NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000      NA     NA    5.702    5.702
```

```
## 23     obey2 ~1           6.100 0.000      NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000      NA     NA    5.881    5.881
## 25     obey1 ~~    obey1  4.102 0.000      NA     NA    4.102    4.102
## 26     obey2 ~~    obey2  0.689 0.000      NA     NA    0.689    0.689
## 27     obey3 ~~    obey3  1.953 0.000      NA     NA    1.953    1.953
## 28   moralid =~ moralid1  0.727 0.000      NA     NA    0.727    0.727
## 29   moralid =~ moralid2  0.789 0.000      NA     NA    0.789    0.789
## 30   moralid =~ moralid3  0.685 0.000      NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000      NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000      NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000      NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1  0.394 0.000      NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2  0.217 0.000      NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3  0.394 0.000      NA     NA    0.394    0.394
## 37      coop =~    coop1  0.482 0.000      NA     NA    0.482    0.482
## 38      coop =~    coop2  0.813 0.000      NA     NA    0.813    0.813
## 39      coop =~    coop3  0.771 0.000      NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000      NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000      NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000      NA     NA    2.971    2.971
## 43     coop1 ~~    coop1  0.350 0.000      NA     NA    0.350    0.350
## 44     coop2 ~~    coop2  0.045 0.000      NA     NA    0.045    0.045
## 45     coop3 ~~    coop3  0.263 0.000      NA     NA    0.263    0.263
## 46        pj ~1          -0.207 0.105  -1.976  0.048   -0.413   -0.002
## 47        pj  ~      age  0.006 0.001   4.149  0.000    0.003    0.009
## 48        pj  ~   female  0.089 0.049   1.835  0.067   -0.006    0.185
## 49        pj  ~    educ2 -0.112 0.061  -1.844  0.065   -0.231    0.007
## 50        pj  ~    educ3 -0.213 0.076  -2.793  0.005   -0.362   -0.063
## 51        dj ~1          -0.174 0.123  -1.411  0.158   -0.415    0.068
## 52        dj  ~      age  0.005 0.002   2.867  0.004    0.001    0.008
## 53        dj  ~   female  0.044 0.057   0.765  0.444   -0.069    0.156
## 54        dj  ~    educ2 -0.012 0.072  -0.174  0.862   -0.153    0.128
## 55        dj  ~    educ3  0.081 0.090   0.902  0.367   -0.095    0.258
## 56      lawf ~1          -0.408 0.108  -3.787  0.000   -0.619   -0.197
## 57      lawf  ~      age  0.004 0.001   3.000  0.003    0.002    0.007
## 58      lawf  ~   female  0.009 0.049   0.189  0.850   -0.088    0.106
## 59      lawf  ~    educ2 -0.060 0.063  -0.948  0.343   -0.184    0.064
## 60      lawf  ~    educ3 -0.213 0.078  -2.730  0.006   -0.367   -0.060
## 61       eff ~1          -0.120 0.120  -1.000  0.317   -0.356    0.116
## 62       eff  ~      age  0.004 0.002   2.644  0.008    0.001    0.007
## 63       eff  ~   female  0.067 0.056   1.193  0.233   -0.043    0.176
## 64       eff  ~    educ2 -0.142 0.070  -2.044  0.041   -0.278   -0.006
## 65       eff  ~    educ3 -0.210 0.087  -2.409  0.016   -0.381   -0.039
## 66       foc ~1          -0.956 0.081 -11.737  0.000   -1.115   -0.796
## 67       foc  ~      age  0.003 0.001   2.538  0.011    0.001    0.005
## 68       foc  ~   female  0.176 0.038   4.656  0.000    0.102    0.250
## 69       foc  ~    educ2  0.043 0.047   0.911  0.362   -0.049    0.135
## 70       foc  ~    educ3  0.148 0.059   2.495  0.013    0.032    0.263
## 71        pj ~~       dj  0.418 0.028  14.835  0.000    0.362    0.473
## 72        pj ~~     lawf  0.307 0.024  12.626  0.000    0.259    0.354
## 73        pj ~~      eff  0.567 0.029  19.277  0.000    0.510    0.625
## 74        pj ~~      foc -0.057 0.018  -3.223  0.001   -0.092   -0.022
## 75        dj ~~     lawf  0.271 0.027   9.870  0.000    0.217    0.325
## 76       eff ~~       dj  0.468 0.033  14.374  0.000    0.404    0.532
```

```
## 77        dj ~~      foc  -0.052 0.021  -2.554  0.011   -0.093   -0.012
## 78       eff ~~     lawf   0.332 0.028  11.940  0.000    0.278    0.387
## 79      lawf ~~      foc  -0.066 0.018  -3.721  0.000   -0.101   -0.031
## 80       eff ~~      foc  -0.080 0.020  -3.939  0.000   -0.120   -0.040
## 81      obey ~1          -0.403 0.127  -3.177  0.001   -0.652   -0.155
## 82      obey  ~      age   0.001 0.002   0.556  0.579   -0.002    0.004
## 83      obey  ~   female   0.108 0.056   1.915  0.056   -0.003    0.218
## 84      obey  ~    educ2  -0.025 0.070  -0.352  0.725   -0.162    0.112
## 85      obey  ~    educ3  -0.033 0.088  -0.372  0.710   -0.206    0.140
## 86      obey  ~       pj   0.305 0.075   4.037  0.000    0.157    0.453
## 87      obey  ~       dj  -0.103 0.036  -2.840  0.005   -0.173   -0.032
## 88      obey  ~     lawf   0.191 0.039   4.883  0.000    0.114    0.267
## 89      obey  ~      eff   0.153 0.057   2.696  0.007    0.042    0.264
## 90      obey  ~      foc  -0.094 0.038  -2.486  0.013   -0.168   -0.020
## 91   moralid ~1          -0.202 0.099  -2.037  0.042   -0.396   -0.008
## 92   moralid  ~      age   0.001 0.001   1.015  0.310   -0.001    0.004
## 93   moralid  ~   female   0.043 0.044   0.973  0.330   -0.043    0.129
## 94   moralid  ~    educ2  -0.051 0.055  -0.938  0.348   -0.158    0.056
## 95   moralid  ~    educ3  -0.165 0.069  -2.389  0.017   -0.300   -0.030
## 96   moralid  ~       pj   0.612 0.060  10.266  0.000    0.495    0.728
## 97   moralid  ~       dj   0.040 0.028   1.428  0.153   -0.015    0.096
## 98   moralid  ~     lawf   0.021 0.031   0.675  0.500   -0.040    0.082
## 99   moralid  ~      eff   0.145 0.044   3.257  0.001    0.058    0.232
## 100  moralid  ~      foc   0.010 0.030   0.329  0.742   -0.048    0.068
## 101     obey ~~  moralid   0.157 0.024   6.591  0.000    0.110    0.204
## 102     coop ~1          -0.393 0.116  -3.401  0.001   -0.619   -0.166
## 103     coop  ~      age   0.000 0.001  -0.038  0.970   -0.003    0.003
## 104     coop  ~   female  -0.076 0.051  -1.474  0.141   -0.176    0.025
## 105     coop  ~    educ2   0.326 0.063   5.146  0.000    0.202    0.450
## 106     coop  ~    educ3   0.334 0.080   4.182  0.000    0.178    0.491
## 107     coop  ~       pj   0.095 0.078   1.225  0.220   -0.057    0.248
## 108     coop  ~      eff   0.077 0.051   1.507  0.132   -0.023    0.178
## 109     coop  ~      foc  -0.088 0.035  -2.553  0.011   -0.156   -0.021
## 110     coop  ~     obey  -0.021 0.027  -0.784  0.433   -0.073    0.031
## 111     coop  ~  moralid   0.003 0.053   0.051  0.959   -0.102    0.107
## 112       dj ~~       dj   1.055 0.041  25.583  0.000    0.974    1.136
## 113     lawf ~~     lawf   0.781 0.031  25.113  0.000    0.720    0.842
## 114      foc ~~      foc   0.539 0.019  28.049  0.000    0.501    0.576
## 115       pj ~~       pj   0.649 0.031  20.684  0.000    0.588    0.711
## 116      eff ~~      eff   0.948 0.042  22.720  0.000    0.866    1.030
## 117     obey ~~     obey   1.039 0.041  25.165  0.000    0.958    1.120
## 118  moralid ~~  moralid   0.411 0.025  16.346  0.000    0.362    0.461
## 119     coop ~~     coop   0.899 0.034  26.202  0.000    0.832    0.967
## 120      age ~~      age 357.180 0.000      NA     NA  357.180  357.180
## 121      age ~~   female   0.307 0.000      NA     NA    0.307    0.307
## 122      age ~~    educ2  -2.545 0.000      NA     NA   -2.545   -2.545
## 123      age ~~    educ3  -1.198 0.000      NA     NA   -1.198   -1.198
## 124   female ~~   female   0.246 0.000      NA     NA    0.246    0.246
## 125   female ~~    educ2  -0.038 0.000      NA     NA   -0.038   -0.038
## 126   female ~~    educ3   0.001 0.000      NA     NA    0.001    0.001
## 127    educ2 ~~    educ2   0.250 0.000      NA     NA    0.250    0.250
## 128    educ2 ~~    educ3  -0.092 0.000      NA     NA   -0.092   -0.092
## 129    educ3 ~~    educ3   0.146 0.000      NA     NA    0.146    0.146
## 130      age ~1          50.920 0.000      NA     NA   50.920   50.920
```

```
## 131   female ~1           0.563 0.000      NA     NA    0.563    0.563
## 132    educ2 ~1           0.519 0.000      NA     NA    0.519    0.519
## 133    educ3 ~1           0.178 0.000      NA     NA    0.178    0.178
##
## $HU
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1           2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1           2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1           2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1           5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1           4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1           5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21     obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22    obey1 ~1           5.702 0.000     NA     NA    5.702    5.702
## 23    obey2 ~1           6.100 0.000     NA     NA    6.100    6.100
## 24    obey3 ~1           5.881 0.000     NA     NA    5.881    5.881
## 25    obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26    obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27    obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37     coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38     coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39     coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40    coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41    coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42    coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43    coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44    coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45    coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46       pj ~1          -0.574 0.093 -6.162  0.000   -0.756   -0.391
## 47       pj  ~      age   0.005 0.001  3.709  0.000    0.002    0.008
## 48       pj  ~   female   0.087 0.050  1.739  0.082   -0.011    0.185
```

```
## 49        pj  ~    educ2   0.155 0.063  2.454  0.014    0.031    0.279
## 50        pj  ~    educ3   0.232 0.073  3.199  0.001    0.090    0.374
## 51        dj ~1           -0.509 0.108 -4.724  0.000   -0.720   -0.298
## 52        dj  ~      age   0.008 0.002  4.615  0.000    0.004    0.011
## 53        dj  ~   female   0.069 0.059  1.176  0.240   -0.046    0.184
## 54        dj  ~    educ2   0.023 0.074  0.309  0.758   -0.122    0.168
## 55        dj  ~    educ3   0.120 0.086  1.388  0.165   -0.049    0.289
## 56      lawf ~1           -0.506 0.096 -5.268  0.000   -0.695   -0.318
## 57      lawf  ~      age   0.004 0.001  3.110  0.002    0.002    0.007
## 58      lawf  ~   female  -0.012 0.051 -0.242  0.809   -0.111    0.087
## 59      lawf  ~    educ2  -0.067 0.065 -1.029  0.304   -0.196    0.061
## 60      lawf  ~    educ3  -0.137 0.075 -1.827  0.068   -0.284    0.010
## 61       eff ~1           -0.315 0.104 -3.029  0.002   -0.518   -0.111
## 62       eff  ~      age   0.005 0.002  3.243  0.001    0.002    0.008
## 63       eff  ~   female   0.103 0.055  1.859  0.063   -0.006    0.212
## 64       eff  ~    educ2  -0.004 0.070 -0.051  0.960   -0.140    0.133
## 65       eff  ~    educ3  -0.196 0.080 -2.447  0.014   -0.353   -0.039
## 66       foc ~1           -0.460 0.085 -5.386  0.000   -0.627   -0.292
## 67       foc  ~      age   0.004 0.001  3.098  0.002    0.001    0.006
## 68       foc  ~   female   0.245 0.046  5.337  0.000    0.155    0.334
## 69       foc  ~    educ2  -0.016 0.057 -0.285  0.776   -0.128    0.096
## 70       foc  ~    educ3  -0.071 0.066 -1.072  0.284   -0.200    0.059
## 71        pj ~~       dj   0.355 0.029 12.160  0.000    0.298    0.412
## 72        pj ~~     lawf   0.361 0.026 13.964  0.000    0.311    0.412
## 73        pj ~~      eff   0.484 0.029 16.605  0.000    0.427    0.541
## 74        pj ~~      foc  -0.113 0.022 -5.093  0.000   -0.156   -0.069
## 75        dj ~~     lawf   0.333 0.029 11.484  0.000    0.276    0.390
## 76       eff ~~       dj   0.363 0.032 11.175  0.000    0.299    0.427
## 77        dj ~~      foc  -0.104 0.026 -4.043  0.000   -0.155   -0.054
## 78       eff ~~     lawf   0.311 0.028 11.027  0.000    0.255    0.366
## 79      lawf ~~      foc  -0.075 0.022 -3.339  0.001   -0.119   -0.031
## 80       eff ~~      foc  -0.193 0.025 -7.781  0.000   -0.242   -0.145
## 81      obey ~1           0.496 0.098  5.052  0.000    0.303    0.688
## 82      obey  ~      age   0.000 0.001 -0.074  0.941   -0.003    0.003
## 83      obey  ~   female  -0.075 0.051 -1.469  0.142   -0.176    0.025
## 84      obey  ~    educ2  -0.126 0.064 -1.953  0.051   -0.252    0.000
## 85      obey  ~    educ3  -0.066 0.076 -0.872  0.383   -0.216    0.083
## 86      obey  ~       pj   0.292 0.059  4.930  0.000    0.176    0.408
## 87      obey  ~       dj   0.010 0.035  0.278  0.781   -0.058    0.077
## 88      obey  ~     lawf   0.056 0.037  1.519  0.129   -0.016    0.129
## 89      obey  ~      eff   0.104 0.043  2.434  0.015    0.020    0.188
## 90      obey  ~      foc   0.007 0.029  0.230  0.818   -0.050    0.064
## 91   moralid ~1           -0.179 0.089 -2.020  0.043   -0.353   -0.005
## 92   moralid  ~      age   0.004 0.001  2.865  0.004    0.001    0.006
## 93   moralid  ~   female  -0.001 0.046 -0.028  0.978   -0.092    0.090
## 94   moralid  ~    educ2  -0.057 0.058 -0.979  0.327   -0.172    0.057
## 95   moralid  ~    educ3   0.031 0.069  0.454  0.650   -0.104    0.167
## 96   moralid  ~       pj   0.626 0.053 11.820  0.000    0.523    0.730
## 97   moralid  ~       dj   0.054 0.030  1.808  0.071   -0.005    0.113
## 98   moralid  ~     lawf   0.038 0.033  1.165  0.244   -0.026    0.103
## 99   moralid  ~      eff   0.166 0.038  4.360  0.000    0.092    0.241
## 100  moralid  ~      foc   0.032 0.026  1.233  0.218   -0.019    0.084
## 101     obey ~~  moralid   0.112 0.023  4.914  0.000    0.067    0.156
## 102     coop ~1           0.040 0.104  0.386  0.699   -0.164    0.244
```

```
## 103     coop  ~      age  -0.003 0.001 -1.793  0.073   -0.006    0.000
## 104     coop  ~   female  -0.233 0.054 -4.352  0.000   -0.338   -0.128
## 105     coop  ~    educ2   0.113 0.067  1.684  0.092   -0.018    0.244
## 106     coop  ~    educ3   0.231 0.079  2.924  0.003    0.076    0.385
## 107     coop  ~       pj   0.067 0.069  0.968  0.333   -0.068    0.202
## 108     coop  ~      eff  -0.024 0.045 -0.549  0.583   -0.112    0.063
## 109     coop  ~      foc  -0.003 0.030 -0.086  0.931   -0.062    0.057
## 110     coop  ~     obey   0.112 0.030  3.679  0.000    0.052    0.171
## 111     coop  ~  moralid   0.143 0.051  2.829  0.005    0.044    0.243
## 112       dj ~~       dj   1.015 0.042 24.068  0.000    0.932    1.097
## 113     lawf ~~     lawf   0.827 0.033 25.203  0.000    0.763    0.892
## 114      foc ~~      foc   0.790 0.028 27.840  0.000    0.735    0.846
## 115       pj ~~       pj   0.670 0.033 20.220  0.000    0.605    0.735
## 116      eff ~~      eff   0.935 0.042 22.380  0.000    0.853    1.017
## 117     obey ~~     obey   0.857 0.035 24.824  0.000    0.789    0.924
## 118  moralid ~~  moralid   0.469 0.028 16.718  0.000    0.414    0.524
## 119     coop ~~     coop   0.977 0.038 25.897  0.000    0.903    1.051
## 120      age ~~      age 336.436 0.000     NA     NA  336.436  336.436
## 121      age ~~   female   0.573 0.000     NA     NA    0.573    0.573
## 122      age ~~    educ2  -1.053 0.000     NA     NA   -1.053   -1.053
## 123      age ~~    educ3  -0.263 0.000     NA     NA   -0.263   -0.263
## 124   female ~~   female   0.248 0.000     NA     NA    0.248    0.248
## 125   female ~~    educ2  -0.033 0.000     NA     NA   -0.033   -0.033
## 126   female ~~    educ3   0.009 0.000     NA     NA    0.009    0.009
## 127    educ2 ~~    educ2   0.249 0.000     NA     NA    0.249    0.249
## 128    educ2 ~~    educ3  -0.126 0.000     NA     NA   -0.126   -0.126
## 129    educ3 ~~    educ3   0.183 0.000     NA     NA    0.183    0.183
## 130      age ~1           47.612 0.000     NA     NA   47.612   47.612
## 131   female ~1            0.542 0.000     NA     NA    0.542    0.542
## 132    educ2 ~1            0.523 0.000     NA     NA    0.523    0.523
## 133    educ3 ~1            0.241 0.000     NA     NA    0.241    0.241
##
## $IE
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
```

```
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1           5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1           6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1          -0.215 0.068 -3.138  0.002   -0.349   -0.081
## 47        pj  ~      age   0.012 0.001 10.612  0.000    0.010    0.014
## 48        pj  ~   female   0.072 0.039  1.838  0.066   -0.005    0.150
## 49        pj  ~    educ2   0.202 0.053  3.840  0.000    0.099    0.306
## 50        pj  ~    educ3   0.292 0.047  6.246  0.000    0.200    0.383
## 51        dj ~1          -0.393 0.075 -5.214  0.000   -0.541   -0.245
## 52        dj  ~      age   0.009 0.001  7.699  0.000    0.007    0.012
## 53        dj  ~   female   0.059 0.044  1.359  0.174   -0.026    0.145
## 54        dj  ~    educ2   0.131 0.058  2.259  0.024    0.017    0.245
## 55        dj  ~    educ3   0.093 0.052  1.782  0.075   -0.009    0.194
## 56      lawf ~1          -0.023 0.072 -0.318  0.751   -0.164    0.118
## 57      lawf  ~      age   0.011 0.001  9.320  0.000    0.009    0.013
## 58      lawf  ~   female  -0.153 0.041 -3.693  0.000   -0.234   -0.072
## 59      lawf  ~    educ2   0.185 0.055  3.371  0.001    0.078    0.293
## 60      lawf  ~    educ3   0.227 0.049  4.622  0.000    0.131    0.323
## 61       eff ~1          -0.707 0.074 -9.568  0.000   -0.851   -0.562
## 62       eff  ~      age   0.011 0.001  9.056  0.000    0.008    0.013
## 63       eff  ~   female   0.014 0.043  0.321  0.748   -0.070    0.097
## 64       eff  ~    educ2   0.179 0.057  3.144  0.002    0.067    0.291
## 65       eff  ~    educ3   0.155 0.051  3.071  0.002    0.056    0.254
## 66       foc ~1          -0.371 0.064 -5.833  0.000   -0.496   -0.246
## 67       foc  ~      age   0.005 0.001  4.724  0.000    0.003    0.007
## 68       foc  ~   female   0.246 0.037  6.704  0.000    0.174    0.318
## 69       foc  ~    educ2  -0.216 0.049 -4.394  0.000   -0.312   -0.120
## 70       foc  ~    educ3  -0.199 0.043 -4.577  0.000   -0.284   -0.114
## 71        pj ~~       dj   0.316 0.022 14.325  0.000    0.273    0.360
## 72        pj ~~     lawf   0.306 0.021 14.647  0.000    0.265    0.347
## 73        pj ~~      eff   0.486 0.023 21.181  0.000    0.441    0.531
## 74        pj ~~      foc  -0.082 0.018 -4.571  0.000   -0.118   -0.047
```

```
## 75        dj ~~     lawf   0.276 0.023 12.108  0.000    0.232    0.321
## 76       eff ~~       dj   0.345 0.024 14.339  0.000    0.298    0.392
## 77        dj ~~      foc  -0.102 0.020 -5.032  0.000   -0.141   -0.062
## 78       eff ~~     lawf   0.281 0.023 12.487  0.000    0.237    0.325
## 79      lawf ~~      foc  -0.095 0.019 -5.023  0.000   -0.132   -0.058
## 80       eff ~~      foc  -0.128 0.020 -6.543  0.000   -0.167   -0.090
## 81      obey ~1           -0.513 0.062 -8.291  0.000   -0.634   -0.391
## 82      obey  ~      age   0.001 0.001  1.347  0.178   -0.001    0.003
## 83      obey  ~   female  -0.031 0.035 -0.892  0.372   -0.099    0.037
## 84      obey  ~    educ2   0.169 0.046  3.688  0.000    0.079    0.258
## 85      obey  ~    educ3   0.112 0.041  2.744  0.006    0.032    0.193
## 86      obey  ~       pj   0.368 0.033 11.225  0.000    0.304    0.432
## 87      obey  ~       dj  -0.004 0.021 -0.187  0.852   -0.046    0.038
## 88      obey  ~     lawf   0.112 0.023  4.851  0.000    0.067    0.158
## 89      obey  ~      eff   0.087 0.028  3.063  0.002    0.031    0.142
## 90      obey  ~      foc  -0.039 0.019 -2.064  0.039   -0.075   -0.002
## 91   moralid ~1           -0.529 0.060 -8.840  0.000   -0.647   -0.412
## 92   moralid  ~      age   0.007 0.001  7.689  0.000    0.006    0.009
## 93   moralid  ~   female   0.019 0.034  0.560  0.575   -0.047    0.084
## 94   moralid  ~    educ2   0.087 0.044  1.953  0.051    0.000    0.173
## 95   moralid  ~    educ3   0.228 0.040  5.738  0.000    0.150    0.306
## 96   moralid  ~       pj   0.601 0.032 19.068  0.000    0.539    0.663
## 97   moralid  ~       dj   0.047 0.020  2.313  0.021    0.007    0.087
## 98   moralid  ~     lawf   0.054 0.022  2.518  0.012    0.012    0.097
## 99   moralid  ~      eff   0.221 0.027  8.147  0.000    0.168    0.275
## 100  moralid  ~      foc   0.018 0.018  0.967  0.333   -0.018    0.053
## 101     obey ~~  moralid   0.105 0.014  7.339  0.000    0.077    0.133
## 102     coop ~1           -0.483 0.073 -6.588  0.000   -0.626   -0.339
## 103     coop  ~      age   0.004 0.001  3.590  0.000    0.002    0.006
## 104     coop  ~   female  -0.098 0.039 -2.546  0.011   -0.174   -0.023
## 105     coop  ~    educ2   0.228 0.052  4.415  0.000    0.127    0.329
## 106     coop  ~    educ3   0.452 0.047  9.668  0.000    0.360    0.543
## 107     coop  ~       pj   0.134 0.047  2.869  0.004    0.042    0.225
## 108     coop  ~      eff  -0.011 0.032 -0.330  0.742   -0.074    0.053
## 109     coop  ~      foc  -0.082 0.021 -3.924  0.000   -0.123   -0.041
## 110     coop  ~     obey  -0.001 0.027 -0.055  0.956   -0.054    0.051
## 111     coop  ~  moralid   0.151 0.041  3.670  0.000    0.070    0.231
## 112       dj ~~       dj   1.012 0.031 32.416  0.000    0.951    1.073
## 113     lawf ~~     lawf   0.875 0.028 31.764  0.000    0.821    0.929
## 114      foc ~~      foc   0.841 0.024 35.550  0.000    0.795    0.888
## 115       pj ~~       pj   0.744 0.027 27.459  0.000    0.691    0.797
## 116      eff ~~      eff   0.904 0.032 28.409  0.000    0.842    0.966
## 117     obey ~~     obey   0.612 0.020 30.220  0.000    0.573    0.652
## 118  moralid ~~  moralid   0.388 0.019 20.583  0.000    0.351    0.425
## 119     coop ~~     coop   0.813 0.025 32.282  0.000    0.763    0.862
## 120      age ~~      age 348.667 0.000     NA     NA  348.667  348.667
## 121      age ~~   female   0.139 0.000     NA     NA    0.139    0.139
## 122      age ~~    educ2  -1.162 0.000     NA     NA   -1.162   -1.162
## 123      age ~~    educ3  -1.684 0.000     NA     NA   -1.684   -1.684
## 124   female ~~   female   0.248 0.000     NA     NA    0.248    0.248
## 125   female ~~    educ2   0.010 0.000     NA     NA    0.010    0.010
## 126   female ~~    educ3   0.007 0.000     NA     NA    0.007    0.007
## 127    educ2 ~~    educ2   0.178 0.000     NA     NA    0.178    0.178
## 128    educ2 ~~    educ3  -0.083 0.000     NA     NA   -0.083   -0.083
```

```
## 129    educ3 ~~    educ3   0.230 0.000     NA     NA    0.230    0.230
## 130      age ~1           46.203 0.000     NA     NA   46.203   46.203
## 131   female ~1            0.539 0.000     NA     NA    0.539    0.539
## 132    educ2 ~1            0.232 0.000     NA     NA    0.232    0.232
## 133    educ3 ~1            0.358 0.000     NA     NA    0.358    0.358
##
## $IL
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.347 0.102 -3.394  0.001   -0.548   -0.147
```

```
## 47        pj  ~      age  -0.001 0.001 -0.664  0.507   -0.004    0.002
## 48        pj  ~   female  -0.033 0.053 -0.621  0.535   -0.138    0.072
## 49        pj  ~    educ2  -0.229 0.079 -2.917  0.004   -0.383   -0.075
## 50        pj  ~    educ3  -0.149 0.079 -1.897  0.058   -0.304    0.005
## 51        dj ~1           -0.334 0.080 -4.161  0.000   -0.491   -0.177
## 52        dj  ~      age   0.001 0.001  0.501  0.616   -0.002    0.003
## 53        dj  ~   female  -0.054 0.042 -1.286  0.198   -0.136    0.028
## 54        dj  ~    educ2  -0.139 0.062 -2.236  0.025   -0.261   -0.017
## 55        dj  ~    educ3  -0.265 0.062 -4.259  0.000   -0.387   -0.143
## 56      lawf ~1           -0.034 0.096 -0.356  0.722   -0.222    0.154
## 57      lawf  ~      age   0.004 0.001  3.400  0.001    0.002    0.007
## 58      lawf  ~   female  -0.152 0.048 -3.144  0.002   -0.247   -0.057
## 59      lawf  ~    educ2  -0.075 0.074 -1.016  0.310   -0.221    0.070
## 60      lawf  ~    educ3  -0.014 0.074 -0.192  0.848   -0.159    0.131
## 61       eff ~1           -0.350 0.096 -3.658  0.000   -0.537   -0.162
## 62       eff  ~      age   0.000 0.001  0.151  0.880   -0.002    0.003
## 63       eff  ~   female   0.002 0.050  0.034  0.973   -0.097    0.100
## 64       eff  ~    educ2  -0.195 0.073 -2.651  0.008   -0.339   -0.051
## 65       eff  ~    educ3  -0.270 0.074 -3.659  0.000   -0.414   -0.125
## 66       foc ~1           -0.522 0.081 -6.435  0.000   -0.680   -0.363
## 67       foc  ~      age   0.001 0.001  0.933  0.351   -0.001    0.003
## 68       foc  ~   female   0.141 0.043  3.318  0.001    0.058    0.225
## 69       foc  ~    educ2   0.145 0.062  2.344  0.019    0.024    0.266
## 70       foc  ~    educ3   0.267 0.062  4.316  0.000    0.146    0.389
## 71        pj ~~       dj   0.385 0.027 14.358  0.000    0.332    0.438
## 72        pj ~~     lawf   0.321 0.031 10.511  0.000    0.261    0.381
## 73        pj ~~      eff   0.730 0.035 21.107  0.000    0.662    0.798
## 74        pj ~~      foc  -0.036 0.027 -1.355  0.175   -0.088    0.016
## 75        dj ~~     lawf   0.160 0.024  6.744  0.000    0.113    0.206
## 76       eff ~~       dj   0.320 0.025 12.743  0.000    0.271    0.369
## 77        dj ~~      foc  -0.053 0.021 -2.573  0.010   -0.094   -0.013
## 78       eff ~~     lawf   0.257 0.028  9.023  0.000    0.201    0.312
## 79      lawf ~~      foc  -0.064 0.024 -2.660  0.008   -0.110   -0.017
## 80       eff ~~      foc  -0.116 0.025 -4.620  0.000   -0.165   -0.067
## 81      obey ~1           0.586 0.082  7.110  0.000    0.424    0.747
## 82      obey  ~      age   0.003 0.001  2.709  0.007    0.001    0.005
## 83      obey  ~   female  -0.076 0.043 -1.775  0.076   -0.160    0.008
## 84      obey  ~    educ2   0.002 0.063  0.037  0.970   -0.120    0.125
## 85      obey  ~    educ3   0.029 0.063  0.459  0.646   -0.095    0.153
## 86      obey  ~       pj   0.299 0.030  9.840  0.000    0.240    0.359
## 87      obey  ~       dj   0.120 0.029  4.211  0.000    0.064    0.176
## 88      obey  ~     lawf  -0.053 0.027 -1.934  0.053   -0.107    0.001
## 89      obey  ~      eff  -0.023 0.031 -0.764  0.445   -0.083    0.037
## 90      obey  ~      foc   0.004 0.022  0.158  0.875   -0.040    0.047
## 91   moralid ~1           -0.185 0.087 -2.130  0.033   -0.355   -0.015
## 92   moralid  ~      age   0.001 0.001  1.002  0.316   -0.001    0.004
## 93   moralid  ~   female  -0.025 0.045 -0.559  0.576   -0.113    0.063
## 94   moralid  ~    educ2  -0.033 0.066 -0.504  0.614   -0.162    0.096
## 95   moralid  ~    educ3   0.057 0.066  0.853  0.393   -0.074    0.187
## 96   moralid  ~       pj   0.385 0.032 12.056  0.000    0.322    0.447
## 97   moralid  ~       dj   0.036 0.031  1.163  0.245   -0.024    0.096
## 98   moralid  ~     lawf   0.212 0.028  7.462  0.000    0.156    0.268
## 99   moralid  ~      eff   0.210 0.032  6.547  0.000    0.147    0.273
## 100  moralid  ~      foc   0.062 0.023  2.656  0.008    0.016    0.108
```

```
## 101     obey ~~  moralid   0.097 0.022  4.392  0.000    0.054    0.140
## 102     coop ~1            -0.388 0.100 -3.890  0.000   -0.583   -0.192
## 103     coop  ~      age  -0.004 0.001 -3.234  0.001   -0.007   -0.002
## 104     coop  ~   female  -0.099 0.051 -1.940  0.052   -0.198    0.001
## 105     coop  ~    educ2   0.155 0.075  2.082  0.037    0.009    0.301
## 106     coop  ~    educ3   0.517 0.075  6.913  0.000    0.371    0.664
## 107     coop  ~       pj   0.081 0.040  2.042  0.041    0.003    0.160
## 108     coop  ~      eff  -0.001 0.038 -0.027  0.979   -0.075    0.073
## 109     coop  ~      foc   0.101 0.027  3.811  0.000    0.049    0.153
## 110     coop  ~     obey   0.159 0.029  5.537  0.000    0.103    0.216
## 111     coop  ~  moralid   0.009 0.032  0.283  0.777   -0.054    0.072
## 112       dj ~~       dj   0.803 0.027 30.157  0.000    0.751    0.855
## 113     lawf ~~     lawf   0.922 0.033 27.898  0.000    0.858    0.987
## 114      foc ~~      foc   0.954 0.029 32.804  0.000    0.897    1.011
## 115       pj ~~       pj   1.258 0.046 27.493  0.000    1.168    1.348
## 116      eff ~~      eff   1.134 0.041 27.642  0.000    1.053    1.214
## 117     obey ~~     obey   0.865 0.029 29.649  0.000    0.808    0.922
## 118  moralid ~~  moralid   0.795 0.032 24.756  0.000    0.732    0.858
## 119     coop ~~     coop   1.298 0.041 31.363  0.000    1.217    1.379
## 120      age ~~      age 381.030 0.000     NA     NA  381.030  381.030
## 121      age ~~   female   0.739 0.000     NA     NA    0.739    0.739
## 122      age ~~    educ2  -2.075 0.000     NA     NA   -2.075   -2.075
## 123      age ~~    educ3   0.623 0.000     NA     NA    0.623    0.623
## 124   female ~~   female   0.248 0.000     NA     NA    0.248    0.248
## 125   female ~~    educ2  -0.023 0.000     NA     NA   -0.023   -0.023
## 126   female ~~    educ3   0.024 0.000     NA     NA    0.024    0.024
## 127    educ2 ~~    educ2   0.247 0.000     NA     NA    0.247    0.247
## 128    educ2 ~~    educ3  -0.171 0.000     NA     NA   -0.171   -0.171
## 129    educ3 ~~    educ3   0.237 0.000     NA     NA    0.237    0.237
## 130      age ~1           45.278 0.000     NA     NA   45.278   45.278
## 131   female ~1            0.542 0.000     NA     NA    0.542    0.542
## 132    educ2 ~1            0.443 0.000     NA     NA    0.443    0.443
## 133    educ3 ~1            0.386 0.000     NA     NA    0.386    0.386
##
## $LT
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
```

```
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.374 0.089 -4.209  0.000   -0.547   -0.200
## 47        pj  ~      age   0.003 0.001  2.347  0.019    0.000    0.005
## 48        pj  ~   female   0.031 0.049  0.623  0.533   -0.065    0.126
## 49        pj  ~    educ2  -0.016 0.061 -0.267  0.789   -0.137    0.104
## 50        pj  ~    educ3   0.098 0.059  1.650  0.099   -0.018    0.214
## 51        dj ~1           -0.180 0.103 -1.744  0.081   -0.383    0.022
## 52        dj  ~      age   0.003 0.001  1.800  0.072    0.000    0.006
## 53        dj  ~   female   0.059 0.058  1.028  0.304   -0.054    0.172
## 54        dj  ~    educ2   0.056 0.072  0.778  0.437   -0.085    0.197
## 55        dj  ~    educ3   0.122 0.070  1.729  0.084   -0.016    0.259
## 56      lawf ~1           -0.639 0.094 -6.816  0.000   -0.822   -0.455
## 57      lawf  ~      age   0.001 0.001  0.761  0.447   -0.002    0.004
## 58      lawf  ~   female   0.100 0.051  1.954  0.051    0.000    0.201
## 59      lawf  ~    educ2  -0.030 0.065 -0.457  0.648   -0.156    0.097
## 60      lawf  ~    educ3  -0.056 0.063 -0.891  0.373   -0.180    0.067
## 61       eff ~1            0.031 0.100  0.307  0.759   -0.165    0.226
## 62       eff  ~      age  -0.001 0.001 -0.812  0.417   -0.004    0.002
## 63       eff  ~   female   0.054 0.055  0.993  0.321   -0.053    0.162
## 64       eff  ~    educ2  -0.078 0.068 -1.136  0.256   -0.212    0.056
## 65       eff  ~    educ3  -0.152 0.066 -2.288  0.022   -0.282   -0.022
## 66       foc ~1           -0.082 0.104 -0.789  0.430   -0.286    0.122
## 67       foc  ~      age   0.004 0.001  3.059  0.002    0.002    0.007
## 68       foc  ~   female   0.205 0.057  3.615  0.000    0.094    0.317
## 69       foc  ~    educ2   0.029 0.071  0.409  0.683   -0.110    0.168
## 70       foc  ~    educ3   0.085 0.069  1.237  0.216   -0.050    0.220
## 71        pj ~~       dj   0.268 0.026 10.115  0.000    0.216    0.319
## 72        pj ~~     lawf   0.269 0.024 11.376  0.000    0.223    0.315
```

```
## 73        pj ~~      eff   0.484 0.027 17.945  0.000    0.431    0.537
## 74        pj ~~      foc  -0.074 0.026 -2.842  0.004   -0.125   -0.023
## 75        dj ~~     lawf   0.225 0.026  8.620  0.000    0.173    0.276
## 76       eff ~~       dj   0.327 0.029 11.077  0.000    0.269    0.384
## 77        dj ~~      foc  -0.104 0.030 -3.489  0.000   -0.162   -0.045
## 78       eff ~~     lawf   0.264 0.027  9.894  0.000    0.212    0.316
## 79      lawf ~~      foc  -0.053 0.027 -1.944  0.052   -0.106    0.000
## 80       eff ~~      foc  -0.113 0.029 -3.930  0.000   -0.169   -0.057
## 81      obey ~1          -0.456 0.100 -4.548  0.000   -0.652   -0.259
## 82      obey  ~      age   0.008 0.001  5.735  0.000    0.005    0.011
## 83      obey  ~   female   0.048 0.053  0.913  0.361   -0.055    0.152
## 84      obey  ~    educ2   0.064 0.066  0.969  0.333   -0.065    0.192
## 85      obey  ~    educ3   0.039 0.066  0.602  0.547   -0.089    0.168
## 86      obey  ~       pj   0.234 0.068  3.426  0.001    0.100    0.367
## 87      obey  ~       dj   0.084 0.037  2.269  0.023    0.011    0.157
## 88      obey  ~     lawf   0.044 0.038  1.157  0.247   -0.031    0.120
## 89      obey  ~      eff   0.189 0.052  3.615  0.000    0.086    0.291
## 90      obey  ~      foc   0.079 0.024  3.289  0.001    0.032    0.125
## 91   moralid ~1          -0.277 0.082 -3.395  0.001   -0.438   -0.117
## 92   moralid  ~      age   0.005 0.001  4.021  0.000    0.002    0.007
## 93   moralid  ~   female   0.029 0.043  0.684  0.494   -0.055    0.114
## 94   moralid  ~    educ2   0.040 0.054  0.745  0.456   -0.065    0.145
## 95   moralid  ~    educ3   0.015 0.053  0.281  0.779   -0.090    0.120
## 96   moralid  ~       pj   0.561 0.055 10.142  0.000    0.452    0.669
## 97   moralid  ~       dj   0.033 0.031  1.067  0.286   -0.027    0.093
## 98   moralid  ~     lawf  -0.053 0.031 -1.700  0.089   -0.115    0.008
## 99   moralid  ~      eff   0.168 0.042  3.991  0.000    0.085    0.250
## 100  moralid  ~      foc   0.046 0.019  2.357  0.018    0.008    0.084
## 101     obey ~~  moralid   0.113 0.021  5.447  0.000    0.072    0.154
## 102     coop ~1          -0.525 0.109 -4.835  0.000   -0.738   -0.312
## 103     coop  ~      age  -0.003 0.002 -2.162  0.031   -0.006    0.000
## 104     coop  ~   female  -0.168 0.057 -2.935  0.003   -0.280   -0.056
## 105     coop  ~    educ2   0.164 0.072  2.291  0.022    0.024    0.304
## 106     coop  ~    educ3   0.254 0.071  3.592  0.000    0.115    0.392
## 107     coop  ~       pj  -0.093 0.081 -1.142  0.254   -0.252    0.067
## 108     coop  ~      eff   0.162 0.056  2.917  0.004    0.053    0.272
## 109     coop  ~      foc  -0.035 0.026 -1.325  0.185   -0.086    0.017
## 110     coop  ~     obey   0.037 0.032  1.172  0.241   -0.025    0.099
## 111     coop  ~  moralid   0.094 0.060  1.555  0.120   -0.024    0.212
## 112       dj ~~       dj   0.860 0.037 23.460  0.000    0.788    0.932
## 113     lawf ~~     lawf   0.743 0.031 24.225  0.000    0.683    0.804
## 114      foc ~~      foc   1.157 0.041 28.094  0.000    1.077    1.238
## 115       pj ~~       pj   0.597 0.030 19.866  0.000    0.538    0.655
## 116      eff ~~      eff   0.853 0.038 22.234  0.000    0.777    0.928
## 117     obey ~~     obey   0.873 0.035 24.975  0.000    0.805    0.942
## 118  moralid ~~  moralid   0.372 0.023 15.907  0.000    0.326    0.418
## 119     coop ~~     coop   1.075 0.041 26.149  0.000    0.994    1.155
## 120      age ~~      age 371.441 0.000     NA     NA  371.441  371.441
## 121      age ~~   female   0.932 0.000     NA     NA    0.932    0.932
## 122      age ~~    educ2  -1.649 0.000     NA     NA   -1.649   -1.649
## 123      age ~~    educ3  -0.541 0.000     NA     NA   -0.541   -0.541
## 124   female ~~   female   0.230 0.000     NA     NA    0.230    0.230
## 125   female ~~    educ2  -0.014 0.000     NA     NA   -0.014   -0.014
## 126   female ~~    educ3   0.017 0.000     NA     NA    0.017    0.017
```

```
## 127    educ2 ~~    educ2   0.225 0.000     NA     NA    0.225    0.225
## 128    educ2 ~~    educ3  -0.127 0.000     NA     NA   -0.127   -0.127
## 129    educ3 ~~    educ3   0.233 0.000     NA     NA    0.233    0.233
## 130      age ~1           51.951 0.000     NA     NA   51.951   51.951
## 131   female ~1            0.643 0.000     NA     NA    0.643    0.643
## 132    educ2 ~1            0.341 0.000     NA     NA    0.341    0.341
## 133    educ3 ~1            0.371 0.000     NA     NA    0.371    0.371
##
## $NL
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
```

```
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1            0.103 0.070  1.465  0.143   -0.035    0.240
## 47        pj  ~      age   0.000 0.001  0.127  0.899   -0.002    0.002
## 48        pj  ~   female  -0.001 0.038 -0.014  0.989   -0.075    0.074
## 49        pj  ~    educ2   0.120 0.049  2.432  0.015    0.023    0.216
## 50        pj  ~    educ3   0.199 0.044  4.520  0.000    0.113    0.286
## 51        dj ~1            0.363 0.078  4.635  0.000    0.210    0.517
## 52        dj  ~      age   0.001 0.001  0.638  0.523   -0.002    0.003
## 53        dj  ~   female  -0.002 0.043 -0.041  0.968   -0.086    0.082
## 54        dj  ~    educ2  -0.003 0.055 -0.061  0.951   -0.112    0.105
## 55        dj  ~    educ3   0.026 0.050  0.517  0.605   -0.072    0.123
## 56      lawf ~1            0.286 0.070  4.101  0.000    0.150    0.423
## 57      lawf  ~      age  -0.001 0.001 -0.528  0.598   -0.003    0.002
## 58      lawf  ~   female  -0.226 0.037 -6.034  0.000   -0.300   -0.153
## 59      lawf  ~    educ2   0.040 0.049  0.818  0.413   -0.056    0.136
## 60      lawf  ~    educ3   0.286 0.043  6.588  0.000    0.201    0.371
## 61       eff ~1           -0.061 0.072 -0.836  0.403   -0.202    0.081
## 62       eff  ~      age   0.002 0.001  1.604  0.109    0.000    0.004
## 63       eff  ~   female   0.086 0.039  2.190  0.029    0.009    0.163
## 64       eff  ~    educ2  -0.037 0.051 -0.723  0.470   -0.137    0.063
## 65       eff  ~    educ3  -0.118 0.046 -2.597  0.009   -0.208   -0.029
## 66       foc ~1           -0.094 0.075 -1.251  0.211   -0.242    0.053
## 67       foc  ~      age  -0.003 0.001 -2.595  0.009   -0.005   -0.001
## 68       foc  ~   female   0.104 0.041  2.540  0.011    0.024    0.184
## 69       foc  ~    educ2  -0.065 0.053 -1.223  0.221   -0.169    0.039
## 70       foc  ~    educ3  -0.023 0.047 -0.475  0.635   -0.116    0.070
## 71        pj ~~       dj   0.211 0.018 11.842  0.000    0.176    0.246
## 72        pj ~~     lawf   0.123 0.015  7.952  0.000    0.092    0.153
## 73        pj ~~      eff   0.192 0.016 11.756  0.000    0.160    0.224
## 74        pj ~~      foc  -0.067 0.016 -4.093  0.000   -0.099   -0.035
## 75        dj ~~     lawf   0.121 0.017  7.138  0.000    0.088    0.155
## 76       eff ~~       dj   0.153 0.018  8.486  0.000    0.118    0.188
## 77        dj ~~      foc  -0.022 0.018 -1.198  0.231   -0.058    0.014
## 78       eff ~~     lawf   0.089 0.016  5.638  0.000    0.058    0.120
## 79      lawf ~~      foc  -0.044 0.016 -2.711  0.007   -0.076   -0.012
## 80       eff ~~      foc  -0.090 0.017 -5.286  0.000   -0.123   -0.057
## 81      obey ~1           0.207 0.067  3.092  0.002    0.076    0.338
## 82      obey  ~      age   0.000 0.001 -0.058  0.953   -0.002    0.002
## 83      obey  ~   female  -0.182 0.037 -4.970  0.000   -0.253   -0.110
## 84      obey  ~    educ2   0.094 0.047  2.008  0.045    0.002    0.186
## 85      obey  ~    educ3   0.116 0.043  2.680  0.007    0.031    0.202
## 86      obey  ~       pj   0.229 0.043  5.323  0.000    0.145    0.314
## 87      obey  ~       dj   0.010 0.024  0.422  0.673   -0.037    0.058
## 88      obey  ~     lawf   0.009 0.026  0.341  0.733   -0.042    0.059
## 89      obey  ~      eff   0.188 0.038  4.975  0.000    0.114    0.262
## 90      obey  ~      foc   0.026 0.021  1.226  0.220   -0.015    0.067
## 91   moralid ~1           -0.189 0.064 -2.948  0.003   -0.314   -0.063
## 92   moralid  ~      age   0.006 0.001  5.775  0.000    0.004    0.008
## 93   moralid  ~   female  -0.081 0.035 -2.320  0.020   -0.149   -0.013
## 94   moralid  ~    educ2   0.001 0.045  0.020  0.984   -0.087    0.089
## 95   moralid  ~    educ3   0.056 0.042  1.353  0.176   -0.025    0.138
## 96   moralid  ~       pj   0.581 0.041 14.007  0.000    0.500    0.662
## 97   moralid  ~       dj   0.016 0.023  0.679  0.497   -0.030    0.061
## 98   moralid  ~     lawf   0.018 0.025  0.719  0.472   -0.031    0.066
```

```
## 99   moralid  ~      eff   0.336 0.036  9.343  0.000    0.266    0.407
## 100  moralid  ~      foc   0.031 0.020  1.565  0.117   -0.008    0.071
## 101     obey ~~  moralid   0.051 0.013  3.864  0.000    0.025    0.077
## 102     coop ~1            0.373 0.072  5.154  0.000    0.231    0.514
## 103     coop  ~      age  -0.004 0.001 -3.336  0.001   -0.006   -0.002
## 104     coop  ~   female  -0.114 0.039 -2.911  0.004   -0.191   -0.037
## 105     coop  ~    educ2   0.156 0.050  3.090  0.002    0.057    0.254
## 106     coop  ~    educ3   0.157 0.046  3.392  0.001    0.066    0.248
## 107     coop  ~       pj   0.127 0.059  2.152  0.031    0.011    0.242
## 108     coop  ~      eff  -0.032 0.046 -0.705  0.481   -0.121    0.057
## 109     coop  ~      foc   0.040 0.023  1.772  0.076   -0.004    0.085
## 110     coop  ~     obey   0.092 0.030  3.072  0.002    0.033    0.151
## 111     coop  ~  moralid   0.016 0.059  0.270  0.787   -0.099    0.131
## 112       dj ~~       dj   0.760 0.026 28.791  0.000    0.708    0.812
## 113     lawf ~~     lawf   0.581 0.020 28.763  0.000    0.542    0.621
## 114      foc ~~      foc   0.749 0.025 30.134  0.000    0.700    0.797
## 115       pj ~~       pj   0.428 0.021 20.007  0.000    0.386    0.470
## 116      eff ~~      eff   0.472 0.023 20.642  0.000    0.427    0.516
## 117     obey ~~     obey   0.488 0.019 25.545  0.000    0.450    0.525
## 118  moralid ~~  moralid   0.239 0.017 13.710  0.000    0.205    0.273
## 119     coop ~~     coop   0.600 0.022 27.307  0.000    0.556    0.643
## 120      age ~~      age 305.180 0.000     NA     NA  305.180  305.180
## 121      age ~~   female  -0.125 0.000     NA     NA   -0.125   -0.125
## 122      age ~~    educ2  -1.078 0.000     NA     NA   -1.078   -1.078
## 123      age ~~    educ3  -0.622 0.000     NA     NA   -0.622   -0.622
## 124   female ~~   female   0.248 0.000     NA     NA    0.248    0.248
## 125   female ~~    educ2   0.003 0.000     NA     NA    0.003    0.003
## 126   female ~~    educ3  -0.016 0.000     NA     NA   -0.016   -0.016
## 127    educ2 ~~    educ2   0.176 0.000     NA     NA    0.176    0.176
## 128    educ2 ~~    educ3  -0.073 0.000     NA     NA   -0.073   -0.073
## 129    educ3 ~~    educ3   0.218 0.000     NA     NA    0.218    0.218
## 130      age ~1           50.394 0.000     NA     NA   50.394   50.394
## 131   female ~1            0.543 0.000     NA     NA    0.543    0.543
## 132    educ2 ~1            0.228 0.000     NA     NA    0.228    0.228
## 133    educ3 ~1            0.322 0.000     NA     NA    0.322    0.322
##
## $NO
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
```

```
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1            0.246 0.076  3.257  0.001    0.098    0.395
## 47        pj  ~      age   0.001 0.001  0.665  0.506   -0.001    0.003
## 48        pj  ~   female   0.036 0.042  0.852  0.394   -0.046    0.118
## 49        pj  ~    educ2   0.049 0.058  0.846  0.397   -0.065    0.164
## 50        pj  ~    educ3   0.223 0.055  4.047  0.000    0.115    0.331
## 51        dj ~1            0.180 0.090  2.008  0.045    0.004    0.356
## 52        dj  ~      age  -0.001 0.001 -0.377  0.706   -0.003    0.002
## 53        dj  ~   female  -0.067 0.050 -1.345  0.179   -0.164    0.031
## 54        dj  ~    educ2   0.019 0.069  0.281  0.779   -0.116    0.155
## 55        dj  ~    educ3  -0.089 0.065 -1.359  0.174   -0.217    0.039
## 56      lawf ~1            0.773 0.071 10.943  0.000    0.634    0.911
## 57      lawf  ~      age  -0.001 0.001 -0.663  0.507   -0.003    0.001
## 58      lawf  ~   female  -0.114 0.039 -2.953  0.003   -0.189   -0.038
## 59      lawf  ~    educ2   0.017 0.054  0.306  0.759   -0.090    0.123
## 60      lawf  ~    educ3   0.197 0.051  3.851  0.000    0.097    0.297
## 61       eff ~1            0.126 0.086  1.475  0.140   -0.041    0.294
## 62       eff  ~      age  -0.001 0.001 -0.793  0.428   -0.004    0.001
## 63       eff  ~   female   0.136 0.047  2.889  0.004    0.044    0.229
## 64       eff  ~    educ2  -0.239 0.066 -3.627  0.000   -0.368   -0.110
## 65       eff  ~    educ3  -0.265 0.062 -4.263  0.000   -0.386   -0.143
## 66       foc ~1           -0.476 0.061 -7.790  0.000   -0.595   -0.356
## 67       foc  ~      age  -0.003 0.001 -3.169  0.002   -0.005   -0.001
## 68       foc  ~   female   0.242 0.034  7.172  0.000    0.176    0.308
## 69       foc  ~    educ2   0.113 0.047  2.396  0.017    0.020    0.205
## 70       foc  ~    educ3   0.100 0.044  2.257  0.024    0.013    0.187
```

```
## 71        pj ~~       dj   0.192 0.021  9.335  0.000    0.152    0.233
## 72        pj ~~     lawf   0.135 0.016  8.483  0.000    0.104    0.166
## 73        pj ~~      eff   0.260 0.020 12.903  0.000    0.220    0.299
## 74        pj ~~      foc  -0.035 0.014 -2.576  0.010   -0.062   -0.008
## 75        dj ~~     lawf   0.116 0.019  6.226  0.000    0.080    0.153
## 76       eff ~~       dj   0.215 0.023  9.193  0.000    0.169    0.261
## 77        dj ~~      foc  -0.007 0.016 -0.409  0.683   -0.038    0.025
## 78       eff ~~     lawf   0.089 0.018  5.034  0.000    0.055    0.124
## 79      lawf ~~      foc  -0.046 0.013 -3.629  0.000   -0.071   -0.021
## 80       eff ~~      foc  -0.038 0.015 -2.466  0.014   -0.068   -0.008
## 81      obey ~1           0.057 0.076  0.740  0.459   -0.093    0.206
## 82      obey  ~      age  -0.002 0.001 -1.382  0.167   -0.004    0.001
## 83      obey  ~   female  -0.017 0.041 -0.425  0.671   -0.098    0.063
## 84      obey  ~    educ2   0.150 0.057  2.639  0.008    0.039    0.261
## 85      obey  ~    educ3   0.260 0.056  4.660  0.000    0.150    0.369
## 86      obey  ~       pj   0.420 0.047  8.948  0.000    0.328    0.512
## 87      obey  ~       dj  -0.018 0.023 -0.783  0.434   -0.063    0.027
## 88      obey  ~     lawf   0.026 0.030  0.891  0.373   -0.032    0.084
## 89      obey  ~      eff   0.090 0.037  2.449  0.014    0.018    0.162
## 90      obey  ~      foc   0.055 0.031  1.798  0.072   -0.005    0.115
## 91   moralid ~1          -0.042 0.070 -0.596  0.551   -0.179    0.096
## 92   moralid  ~      age   0.003 0.001  2.958  0.003    0.001    0.005
## 93   moralid  ~   female  -0.030 0.038 -0.785  0.433   -0.103    0.044
## 94   moralid  ~    educ2   0.153 0.052  2.936  0.003    0.051    0.255
## 95   moralid  ~    educ3   0.173 0.051  3.394  0.001    0.073    0.273
## 96   moralid  ~       pj   0.557 0.044 12.783  0.000    0.472    0.643
## 97   moralid  ~       dj  -0.019 0.021 -0.918  0.359   -0.061    0.022
## 98   moralid  ~     lawf   0.045 0.027  1.649  0.099   -0.008    0.098
## 99   moralid  ~      eff   0.158 0.034  4.706  0.000    0.092    0.224
## 100  moralid  ~      foc   0.041 0.028  1.451  0.147   -0.014    0.095
## 101     obey ~~  moralid   0.112 0.015  7.627  0.000    0.083    0.141
## 102     coop ~1           0.400 0.067  5.996  0.000    0.269    0.531
## 103     coop  ~      age  -0.005 0.001 -5.150  0.000   -0.007   -0.003
## 104     coop  ~   female  -0.037 0.037 -1.010  0.313   -0.109    0.035
## 105     coop  ~    educ2   0.119 0.052  2.319  0.020    0.018    0.220
## 106     coop  ~    educ3   0.188 0.050  3.725  0.000    0.089    0.287
## 107     coop  ~       pj   0.088 0.053  1.649  0.099   -0.017    0.192
## 108     coop  ~      eff  -0.065 0.033 -1.970  0.049   -0.130    0.000
## 109     coop  ~      foc  -0.096 0.027 -3.507  0.000   -0.150   -0.042
## 110     coop  ~     obey   0.021 0.030  0.702  0.483   -0.038    0.081
## 111     coop  ~  moralid   0.166 0.054  3.081  0.002    0.060    0.272
## 112       dj ~~       dj   0.909 0.033 27.313  0.000    0.844    0.974
## 113     lawf ~~     lawf   0.540 0.020 27.147  0.000    0.501    0.579
## 114      foc ~~      foc   0.429 0.015 27.740  0.000    0.399    0.459
## 115       pj ~~       pj   0.451 0.024 18.970  0.000    0.404    0.498
## 116      eff ~~      eff   0.628 0.030 20.682  0.000    0.568    0.687
## 117     obey ~~     obey   0.491 0.022 22.729  0.000    0.449    0.533
## 118  moralid ~~  moralid   0.251 0.018 13.678  0.000    0.215    0.286
## 119     coop ~~     coop   0.423 0.018 24.003  0.000    0.388    0.457
## 120      age ~~      age 340.010 0.000     NA     NA  340.010  340.010
## 121      age ~~   female  -0.137 0.000     NA     NA   -0.137   -0.137
## 122      age ~~    educ2  -0.793 0.000     NA     NA   -0.793   -0.793
## 123      age ~~    educ3   0.264 0.000     NA     NA    0.264    0.264
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
```

```
## 125   female ~~    educ2  -0.024 0.000     NA     NA   -0.024   -0.024
## 126   female ~~    educ3   0.003 0.000     NA     NA    0.003    0.003
## 127    educ2 ~~    educ2   0.224 0.000     NA     NA    0.224    0.224
## 128    educ2 ~~    educ3  -0.153 0.000     NA     NA   -0.153   -0.153
## 129    educ3 ~~    educ3   0.248 0.000     NA     NA    0.248    0.248
## 130      age ~1           46.351 0.000     NA     NA   46.351   46.351
## 131   female ~1            0.479 0.000     NA     NA    0.479    0.479
## 132    educ2 ~1            0.338 0.000     NA     NA    0.338    0.338
## 133    educ3 ~1            0.451 0.000     NA     NA    0.451    0.451
##
## $PL
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
```

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## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.466 0.072 -6.514  0.000   -0.606   -0.326
## 47        pj  ~      age   0.006 0.001  4.873  0.000    0.004    0.009
## 48        pj  ~   female   0.000 0.047  0.009  0.993   -0.091    0.092
## 49        pj  ~    educ2  -0.033 0.055 -0.594  0.552   -0.141    0.075
## 50        pj  ~    educ3   0.094 0.059  1.597  0.110   -0.021    0.208
## 51        dj ~1           -0.216 0.080 -2.715  0.007   -0.373   -0.060
## 52        dj  ~      age   0.002 0.001  1.473  0.141   -0.001    0.005
## 53        dj  ~   female  -0.056 0.053 -1.060  0.289   -0.160    0.048
## 54        dj  ~    educ2   0.110 0.062  1.772  0.076   -0.012    0.231
## 55        dj  ~    educ3   0.027 0.066  0.415  0.678   -0.102    0.157
## 56      lawf ~1           -0.099 0.078 -1.278  0.201   -0.251    0.053
## 57      lawf  ~      age   0.005 0.001  3.412  0.001    0.002    0.008
## 58      lawf  ~   female  -0.027 0.050 -0.538  0.591   -0.125    0.071
## 59      lawf  ~    educ2   0.075 0.060  1.260  0.208   -0.042    0.192
## 60      lawf  ~    educ3   0.052 0.062  0.835  0.404   -0.070    0.174
## 61       eff ~1           -0.004 0.078 -0.051  0.960   -0.157    0.149
## 62       eff  ~      age   0.005 0.001  3.500  0.000    0.002    0.008
## 63       eff  ~   female   0.002 0.051  0.047  0.963   -0.098    0.103
## 64       eff  ~    educ2  -0.071 0.060 -1.170  0.242   -0.189    0.048
## 65       eff  ~    educ3  -0.233 0.064 -3.624  0.000   -0.359   -0.107
## 66       foc ~1           -0.483 0.054 -9.005  0.000   -0.588   -0.378
## 67       foc  ~      age   0.000 0.001  0.357  0.721   -0.002    0.002
## 68       foc  ~   female   0.055 0.035  1.563  0.118   -0.014    0.124
## 69       foc  ~    educ2   0.047 0.041  1.142  0.253   -0.034    0.129
## 70       foc  ~    educ3   0.180 0.044  4.099  0.000    0.094    0.266
## 71        pj ~~       dj   0.344 0.026 13.221  0.000    0.293    0.395
## 72        pj ~~     lawf   0.313 0.025 12.559  0.000    0.264    0.362
## 73        pj ~~      eff   0.457 0.027 17.075  0.000    0.405    0.510
## 74        pj ~~      foc  -0.126 0.017 -7.355  0.000   -0.160   -0.093
## 75        dj ~~     lawf   0.310 0.027 11.441  0.000    0.257    0.363
## 76       eff ~~       dj   0.352 0.029 12.352  0.000    0.296    0.408
## 77        dj ~~      foc  -0.117 0.019 -6.111  0.000   -0.154   -0.079
## 78       eff ~~     lawf   0.324 0.027 11.773  0.000    0.270    0.377
## 79      lawf ~~      foc  -0.093 0.018 -5.108  0.000   -0.129   -0.057
## 80       eff ~~      foc  -0.176 0.019 -9.267  0.000   -0.213   -0.138
## 81      obey ~1           0.100 0.073  1.369  0.171   -0.043    0.244
## 82      obey  ~      age  -0.001 0.001 -0.463  0.643   -0.003    0.002
## 83      obey  ~   female  -0.120 0.045 -2.684  0.007   -0.208   -0.033
## 84      obey  ~    educ2   0.072 0.053  1.353  0.176   -0.032    0.175
## 85      obey  ~    educ3   0.215 0.058  3.744  0.000    0.103    0.328
## 86      obey  ~       pj   0.175 0.046  3.787  0.000    0.084    0.265
## 87      obey  ~       dj   0.053 0.031  1.702  0.089   -0.008    0.115
## 88      obey  ~     lawf   0.101 0.035  2.915  0.004    0.033    0.169
## 89      obey  ~      eff   0.141 0.038  3.726  0.000    0.067    0.214
## 90      obey  ~      foc   0.120 0.033  3.654  0.000    0.056    0.185
## 91   moralid ~1           0.051 0.060  0.842  0.400   -0.067    0.169
## 92   moralid  ~      age   0.004 0.001  3.791  0.000    0.002    0.006
## 93   moralid  ~   female   0.054 0.037  1.476  0.140   -0.018    0.126
## 94   moralid  ~    educ2   0.091 0.043  2.091  0.037    0.006    0.176
## 95   moralid  ~    educ3  -0.031 0.047 -0.650  0.515   -0.123    0.062
## 96   moralid  ~       pj   0.397 0.037 10.598  0.000    0.324    0.471
```

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## 97   moralid  ~       dj  -0.016 0.025 -0.642  0.521   -0.065    0.033
## 98   moralid  ~     lawf   0.042 0.028  1.525  0.127   -0.012    0.096
## 99   moralid  ~      eff   0.246 0.031  8.050  0.000    0.186    0.306
## 100  moralid  ~      foc   0.078 0.027  2.859  0.004    0.024    0.131
## 101     obey ~~  moralid   0.042 0.017  2.505  0.012    0.009    0.076
## 102     coop ~1           -0.491 0.075 -6.507  0.000   -0.639   -0.343
## 103     coop  ~      age  -0.002 0.001 -1.359  0.174   -0.004    0.001
## 104     coop  ~   female  -0.187 0.046 -4.032  0.000   -0.277   -0.096
## 105     coop  ~    educ2   0.209 0.054  3.835  0.000    0.102    0.316
## 106     coop  ~    educ3   0.308 0.059  5.182  0.000    0.192    0.425
## 107     coop  ~       pj   0.094 0.051  1.840  0.066   -0.006    0.193
## 108     coop  ~      eff  -0.061 0.040 -1.503  0.133   -0.140    0.018
## 109     coop  ~      foc   0.048 0.034  1.414  0.157   -0.019    0.115
## 110     coop  ~     obey   0.003 0.028  0.102  0.919   -0.051    0.057
## 111     coop  ~  moralid   0.092 0.053  1.735  0.083   -0.012    0.196
## 112       dj ~~       dj   0.940 0.036 26.011  0.000    0.869    1.010
## 113     lawf ~~     lawf   0.817 0.033 25.102  0.000    0.753    0.881
## 114      foc ~~      foc   0.514 0.018 29.053  0.000    0.479    0.548
## 115       pj ~~       pj   0.689 0.031 22.058  0.000    0.628    0.750
## 116      eff ~~      eff   0.891 0.038 23.585  0.000    0.817    0.965
## 117     obey ~~     obey   0.762 0.029 26.311  0.000    0.705    0.818
## 118  moralid ~~  moralid   0.330 0.019 16.979  0.000    0.292    0.368
## 119     coop ~~     coop   0.826 0.030 27.176  0.000    0.767    0.886
## 120      age ~~      age 356.983 0.000     NA     NA  356.983  356.983
## 121      age ~~   female   0.595 0.000     NA     NA    0.595    0.595
## 122      age ~~    educ2  -0.771 0.000     NA     NA   -0.771   -0.771
## 123      age ~~    educ3  -0.761 0.000     NA     NA   -0.761   -0.761
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2   0.001 0.000     NA     NA    0.001    0.001
## 126   female ~~    educ3   0.019 0.000     NA     NA    0.019    0.019
## 127    educ2 ~~    educ2   0.215 0.000     NA     NA    0.215    0.215
## 128    educ2 ~~    educ3  -0.080 0.000     NA     NA   -0.080   -0.080
## 129    educ3 ~~    educ3   0.190 0.000     NA     NA    0.190    0.190
## 130      age ~1           44.381 0.000     NA     NA   44.381   44.381
## 131   female ~1            0.520 0.000     NA     NA    0.520    0.520
## 132    educ2 ~1            0.313 0.000     NA     NA    0.313    0.313
## 133    educ3 ~1            0.256 0.000     NA     NA    0.256    0.256
##
## $PT
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
```

```
## 15      eff3 ~1           5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1  1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2  1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3  3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1  2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2  2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3  2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1           5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1           6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1  4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2  0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3  1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1  0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2  0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3  0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1  0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2  0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3  0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1  0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2  0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3  0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1  0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2  0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3  0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1          -0.539 0.087 -6.164  0.000   -0.710   -0.367
## 47        pj  ~      age  0.007 0.001  5.309  0.000    0.005    0.010
## 48        pj  ~   female -0.016 0.049 -0.332  0.740   -0.113    0.080
## 49        pj  ~    educ2  0.015 0.072  0.214  0.830   -0.125    0.156
## 50        pj  ~    educ3  0.092 0.078  1.180  0.238   -0.061    0.246
## 51        dj ~1          -0.607 0.086 -7.094  0.000   -0.775   -0.439
## 52        dj  ~      age  0.006 0.001  4.455  0.000    0.003    0.009
## 53        dj  ~   female  0.005 0.049  0.097  0.922   -0.091    0.101
## 54        dj  ~    educ2  0.151 0.071  2.140  0.032    0.013    0.290
## 55        dj  ~    educ3  0.349 0.077  4.541  0.000    0.199    0.500
## 56      lawf ~1          -0.526 0.078 -6.714  0.000   -0.679   -0.372
## 57      lawf  ~      age  0.004 0.001  3.036  0.002    0.001    0.006
## 58      lawf  ~   female -0.031 0.044 -0.698  0.485   -0.117    0.055
## 59      lawf  ~    educ2  0.191 0.062  3.059  0.002    0.069    0.313
## 60      lawf  ~    educ3  0.151 0.067  2.248  0.025    0.019    0.283
## 61       eff ~1          -0.371 0.076 -4.867  0.000   -0.520   -0.222
## 62       eff  ~      age  0.003 0.001  2.763  0.006    0.001    0.006
## 63       eff  ~   female  0.012 0.043  0.282  0.778   -0.072    0.096
## 64       eff  ~    educ2  0.076 0.063  1.203  0.229   -0.048    0.199
## 65       eff  ~    educ3  0.131 0.068  1.914  0.056   -0.003    0.265
## 66       foc ~1          -0.272 0.089 -3.072  0.002   -0.446   -0.099
## 67       foc  ~      age  0.010 0.001  7.542  0.000    0.008    0.013
## 68       foc  ~   female  0.130 0.050  2.618  0.009    0.033    0.228
```

```
## 69       foc  ~    educ2  -0.012 0.073 -0.167  0.867   -0.156    0.132
## 70       foc  ~    educ3   0.018 0.080  0.221  0.825   -0.139    0.174
## 71        pj ~~       dj   0.374 0.028 13.557  0.000    0.320    0.428
## 72        pj ~~     lawf   0.278 0.025 11.165  0.000    0.229    0.327
## 73        pj ~~      eff   0.375 0.025 15.116  0.000    0.326    0.423
## 74        pj ~~      foc  -0.113 0.027 -4.098  0.000   -0.166   -0.059
## 75        dj ~~     lawf   0.279 0.025 11.311  0.000    0.231    0.328
## 76       eff ~~       dj   0.346 0.025 14.014  0.000    0.297    0.394
## 77        dj ~~      foc  -0.166 0.027 -6.028  0.000   -0.219   -0.112
## 78       eff ~~     lawf   0.320 0.022 14.287  0.000    0.276    0.364
## 79      lawf ~~      foc  -0.157 0.025 -6.316  0.000   -0.206   -0.109
## 80       eff ~~      foc  -0.203 0.024 -8.406  0.000   -0.251   -0.156
## 81      obey ~1          -0.078 0.074 -1.054  0.292   -0.222    0.067
## 82      obey  ~      age   0.004 0.001  3.668  0.000    0.002    0.006
## 83      obey  ~   female   0.049 0.040  1.230  0.219   -0.029    0.128
## 84      obey  ~    educ2  -0.161 0.059 -2.726  0.006   -0.277   -0.045
## 85      obey  ~    educ3  -0.175 0.064 -2.711  0.007   -0.301   -0.048
## 86      obey  ~       pj   0.134 0.028  4.843  0.000    0.079    0.188
## 87      obey  ~       dj   0.035 0.026  1.344  0.179   -0.016    0.087
## 88      obey  ~     lawf   0.049 0.033  1.496  0.135   -0.015    0.114
## 89      obey  ~      eff   0.077 0.037  2.079  0.038    0.004    0.149
## 90      obey  ~      foc  -0.029 0.018 -1.607  0.108   -0.064    0.006
## 91   moralid ~1          -0.093 0.066 -1.406  0.160   -0.223    0.037
## 92   moralid  ~      age   0.004 0.001  4.158  0.000    0.002    0.006
## 93   moralid  ~   female   0.009 0.036  0.248  0.804   -0.062    0.080
## 94   moralid  ~    educ2  -0.040 0.053 -0.755  0.450   -0.144    0.064
## 95   moralid  ~    educ3   0.060 0.058  1.045  0.296   -0.053    0.174
## 96   moralid  ~       pj   0.328 0.025 13.361  0.000    0.280    0.376
## 97   moralid  ~       dj   0.022 0.023  0.968  0.333   -0.023    0.067
## 98   moralid  ~     lawf   0.039 0.028  1.412  0.158   -0.015    0.094
## 99   moralid  ~      eff   0.156 0.033  4.762  0.000    0.092    0.220
## 100  moralid  ~      foc  -0.034 0.016 -2.105  0.035   -0.066   -0.002
## 101     obey ~~  moralid   0.190 0.017 11.360  0.000    0.157    0.223
## 102     coop ~1          0.509 0.077  6.590  0.000    0.357    0.660
## 103     coop  ~      age  -0.006 0.001 -4.579  0.000   -0.008   -0.003
## 104     coop  ~   female  -0.210 0.043 -4.931  0.000   -0.293   -0.126
## 105     coop  ~    educ2   0.064 0.063  1.013  0.311   -0.060    0.187
## 106     coop  ~    educ3   0.065 0.068  0.947  0.344   -0.069    0.198
## 107     coop  ~       pj   0.016 0.032  0.489  0.625   -0.047    0.078
## 108     coop  ~      eff  -0.048 0.035 -1.346  0.178   -0.117    0.022
## 109     coop  ~      foc   0.004 0.019  0.202  0.840   -0.034    0.042
## 110     coop  ~     obey   0.027 0.028  0.950  0.342   -0.028    0.081
## 111     coop  ~  moralid   0.040 0.043  0.913  0.361   -0.045    0.125
## 112       dj ~~       dj   1.016 0.035 29.272  0.000    0.948    1.084
## 113     lawf ~~     lawf   0.754 0.027 27.571  0.000    0.700    0.807
## 114      foc ~~      foc   1.271 0.039 32.691  0.000    1.195    1.347
## 115       pj ~~       pj   0.986 0.038 26.280  0.000    0.913    1.060
## 116      eff ~~      eff   0.707 0.029 24.677  0.000    0.651    0.763
## 117     obey ~~     obey   0.736 0.025 29.434  0.000    0.687    0.785
## 118  moralid ~~  moralid   0.429 0.020 21.119  0.000    0.389    0.469
## 119     coop ~~     coop   0.847 0.028 30.162  0.000    0.792    0.902
## 120      age ~~      age 368.711 0.000     NA     NA  368.711  368.711
## 121      age ~~   female   0.403 0.000     NA     NA    0.403    0.403
## 122      age ~~    educ2  -2.121 0.000     NA     NA   -2.121   -2.121
```

```
## 123      age ~~    educ3  -0.900 0.000     NA     NA   -0.900   -0.900
## 124   female ~~   female   0.240 0.000     NA     NA    0.240    0.240
## 125   female ~~    educ2  -0.006 0.000     NA     NA   -0.006   -0.006
## 126   female ~~    educ3  -0.003 0.000     NA     NA   -0.003   -0.003
## 127    educ2 ~~    educ2   0.127 0.000     NA     NA    0.127    0.127
## 128    educ2 ~~    educ3  -0.017 0.000     NA     NA   -0.017   -0.017
## 129    educ3 ~~    educ3   0.100 0.000     NA     NA    0.100    0.100
## 130      age ~1           53.992 0.000     NA     NA   53.992   53.992
## 131   female ~1            0.601 0.000     NA     NA    0.601    0.601
## 132    educ2 ~1            0.150 0.000     NA     NA    0.150    0.150
## 133    educ3 ~1            0.112 0.000     NA     NA    0.112    0.112
##
## $RU
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21     obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22    obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23    obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24    obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25    obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26    obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27    obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28  moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29  moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30  moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31 moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32 moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33 moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34 moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35 moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36 moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37     coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38     coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39     coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40    coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
```

```
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1  0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2  0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3  0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1          -0.648 0.102 -6.370  0.000   -0.847   -0.448
## 47        pj  ~      age  0.002 0.001  1.725  0.085    0.000    0.005
## 48        pj  ~   female  0.132 0.049  2.681  0.007    0.036    0.229
## 49        pj  ~    educ2 -0.257 0.080 -3.231  0.001   -0.413   -0.101
## 50        pj  ~    educ3 -0.347 0.075 -4.624  0.000   -0.495   -0.200
## 51        dj ~1          -0.590 0.086 -6.829  0.000   -0.759   -0.421
## 52        dj  ~      age  0.007 0.001  6.312  0.000    0.005    0.010
## 53        dj  ~   female -0.007 0.042 -0.175  0.861   -0.089    0.074
## 54        dj  ~    educ2 -0.080 0.068 -1.162  0.245   -0.214    0.055
## 55        dj  ~    educ3 -0.051 0.065 -0.796  0.426   -0.178    0.075
## 56      lawf ~1          -0.546 0.082 -6.658  0.000   -0.707   -0.386
## 57      lawf  ~      age  0.000 0.001 -0.062  0.951   -0.002    0.002
## 58      lawf  ~   female  0.008 0.039  0.214  0.831   -0.068    0.084
## 59      lawf  ~    educ2 -0.023 0.067 -0.339  0.735   -0.153    0.108
## 60      lawf  ~    educ3 -0.032 0.063 -0.502  0.615   -0.156    0.092
## 61       eff ~1          -0.146 0.094 -1.557  0.119   -0.331    0.038
## 62       eff  ~      age -0.001 0.001 -0.731  0.465   -0.003    0.002
## 63       eff  ~   female  0.058 0.046  1.271  0.204   -0.031    0.147
## 64       eff  ~    educ2 -0.287 0.073 -3.926  0.000   -0.430   -0.144
## 65       eff  ~    educ3 -0.404 0.069 -5.844  0.000   -0.539   -0.268
## 66       foc ~1          -0.639 0.072 -8.895  0.000   -0.779   -0.498
## 67       foc  ~      age  0.005 0.001  4.879  0.000    0.003    0.007
## 68       foc  ~   female  0.198 0.035  5.613  0.000    0.129    0.267
## 69       foc  ~    educ2  0.145 0.056  2.603  0.009    0.036    0.254
## 70       foc  ~    educ3  0.186 0.053  3.539  0.000    0.083    0.289
## 71        pj ~~       dj  0.395 0.026 15.149  0.000    0.344    0.446
## 72        pj ~~     lawf  0.345 0.024 14.221  0.000    0.297    0.392
## 73        pj ~~      eff  0.761 0.031 24.596  0.000    0.700    0.821
## 74        pj ~~      foc -0.096 0.021 -4.516  0.000   -0.138   -0.054
## 75        dj ~~     lawf  0.193 0.020  9.840  0.000    0.155    0.232
## 76       eff ~~       dj  0.363 0.024 15.142  0.000    0.316    0.410
## 77        dj ~~      foc -0.080 0.018 -4.494  0.000   -0.115   -0.045
## 78       eff ~~     lawf  0.300 0.022 13.417  0.000    0.256    0.344
## 79      lawf ~~      foc -0.065 0.017 -3.831  0.000   -0.098   -0.032
## 80       eff ~~      foc -0.149 0.020 -7.606  0.000   -0.187   -0.111
## 81      obey ~1          -0.725 0.089 -8.169  0.000   -0.899   -0.551
## 82      obey  ~      age  0.007 0.001  6.523  0.000    0.005    0.010
## 83      obey  ~   female  0.100 0.041  2.443  0.015    0.020    0.180
## 84      obey  ~    educ2 -0.091 0.066 -1.384  0.166   -0.220    0.038
## 85      obey  ~    educ3 -0.092 0.063 -1.472  0.141   -0.215    0.031
## 86      obey  ~       pj  0.221 0.033  6.679  0.000    0.156    0.286
## 87      obey  ~       dj  0.059 0.029  2.035  0.042    0.002    0.116
## 88      obey  ~     lawf  0.055 0.031  1.793  0.073   -0.005    0.115
## 89      obey  ~      eff  0.203 0.036  5.674  0.000    0.133    0.273
## 90      obey  ~      foc -0.012 0.025 -0.495  0.620   -0.061    0.036
## 91   moralid ~1          -0.368 0.088 -4.170  0.000   -0.542   -0.195
## 92   moralid  ~      age  0.003 0.001  2.604  0.009    0.001    0.005
## 93   moralid  ~   female  0.053 0.041  1.294  0.196   -0.027    0.133
## 94   moralid  ~    educ2 -0.107 0.066 -1.633  0.102   -0.235    0.021
```

```
## 95   moralid  ~    educ3  -0.053 0.062 -0.848  0.396   -0.175    0.069
## 96   moralid  ~       pj   0.344 0.032 10.592  0.000    0.280    0.408
## 97   moralid  ~       dj   0.057 0.028  2.060  0.039    0.003    0.112
## 98   moralid  ~     lawf   0.084 0.029  2.860  0.004    0.027    0.142
## 99   moralid  ~      eff   0.286 0.035  8.108  0.000    0.217    0.355
## 100  moralid  ~      foc  -0.019 0.024 -0.776  0.438   -0.067    0.029
## 101     obey ~~  moralid   0.195 0.020  9.607  0.000    0.155    0.234
## 102     coop ~1           -0.172 0.093 -1.847  0.065   -0.355    0.011
## 103     coop  ~      age  -0.001 0.001 -1.058  0.290   -0.004    0.001
## 104     coop  ~   female  -0.020 0.043 -0.462  0.644   -0.104    0.064
## 105     coop  ~    educ2   0.060 0.068  0.879  0.379   -0.074    0.194
## 106     coop  ~    educ3   0.117 0.065  1.799  0.072   -0.010    0.245
## 107     coop  ~       pj   0.071 0.036  1.968  0.049    0.000    0.141
## 108     coop  ~      eff   0.073 0.038  1.918  0.055   -0.002    0.148
## 109     coop  ~      foc   0.009 0.026  0.362  0.717   -0.041    0.060
## 110     coop  ~     obey   0.025 0.025  0.998  0.318   -0.024    0.074
## 111     coop  ~  moralid   0.030 0.030  1.007  0.314   -0.028    0.089
## 112       dj ~~       dj   0.827 0.027 30.937  0.000    0.774    0.879
## 113     lawf ~~     lawf   0.706 0.023 30.370  0.000    0.661    0.752
## 114      foc ~~      foc   0.716 0.021 34.768  0.000    0.676    0.756
## 115       pj ~~       pj   1.206 0.041 29.329  0.000    1.125    1.286
## 116      eff ~~      eff   1.025 0.035 29.000  0.000    0.956    1.094
## 117     obey ~~     obey   0.867 0.027 31.545  0.000    0.813    0.921
## 118  moralid ~~  moralid   0.724 0.028 26.270  0.000    0.670    0.778
## 119     coop ~~     coop   1.013 0.031 33.083  0.000    0.953    1.073
## 120      age ~~      age 341.802 0.000     NA     NA  341.802  341.802
## 121      age ~~   female   1.141 0.000     NA     NA    1.141    1.141
## 122      age ~~    educ2  -0.918 0.000     NA     NA   -0.918   -0.918
## 123      age ~~    educ3  -0.596 0.000     NA     NA   -0.596   -0.596
## 124   female ~~   female   0.242 0.000     NA     NA    0.242    0.242
## 125   female ~~    educ2  -0.005 0.000     NA     NA   -0.005   -0.005
## 126   female ~~    educ3   0.006 0.000     NA     NA    0.006    0.006
## 127    educ2 ~~    educ2   0.225 0.000     NA     NA    0.225    0.225
## 128    educ2 ~~    educ3  -0.177 0.000     NA     NA   -0.177   -0.177
## 129    educ3 ~~    educ3   0.250 0.000     NA     NA    0.250    0.250
## 130      age ~1           46.419 0.000     NA     NA   46.419   46.419
## 131   female ~1            0.590 0.000     NA     NA    0.590    0.590
## 132    educ2 ~1            0.341 0.000     NA     NA    0.341    0.341
## 133    educ3 ~1            0.518 0.000     NA     NA    0.518    0.518
##
## $SE
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
```

```
## 13      eff1 ~1           5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1           4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1           5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1  1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2  1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3  3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1  2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2  2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3  2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1           5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1           6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1           5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1  4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2  0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3  1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1  0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2  0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3  0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1  0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2  0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3  0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1  0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2  0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3  0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1  0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2  0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3  0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           0.232 0.072  3.208  0.001    0.090    0.374
## 47        pj  ~      age  0.000 0.001 -0.362  0.717   -0.003    0.002
## 48        pj  ~   female -0.011 0.041 -0.276  0.782   -0.091    0.068
## 49        pj  ~    educ2  0.046 0.053  0.854  0.393   -0.059    0.150
## 50        pj  ~    educ3  0.276 0.052  5.352  0.000    0.175    0.377
## 51        dj ~1           0.030 0.091  0.332  0.740   -0.149    0.209
## 52        dj  ~      age -0.001 0.001 -0.528  0.597   -0.003    0.002
## 53        dj  ~   female -0.018 0.051 -0.352  0.725   -0.118    0.082
## 54        dj  ~    educ2 -0.141 0.067 -2.104  0.035   -0.272   -0.010
## 55        dj  ~    educ3 -0.260 0.065 -4.010  0.000   -0.387   -0.133
## 56      lawf ~1           0.626 0.074  8.448  0.000    0.480    0.771
## 57      lawf  ~      age  0.004 0.001  3.241  0.001    0.001    0.006
## 58      lawf  ~   female -0.108 0.041 -2.628  0.009   -0.188   -0.027
## 59      lawf  ~    educ2 -0.084 0.054 -1.544  0.123   -0.191    0.023
## 60      lawf  ~    educ3  0.211 0.052  4.027  0.000    0.108    0.314
## 61       eff ~1           0.052 0.089  0.586  0.558   -0.122    0.226
## 62       eff  ~      age -0.002 0.001 -1.317  0.188   -0.004    0.001
## 63       eff  ~   female  0.192 0.050  3.874  0.000    0.095    0.290
## 64       eff  ~    educ2 -0.150 0.065 -2.296  0.022   -0.278   -0.022
## 65       eff  ~    educ3 -0.242 0.063 -3.836  0.000   -0.365   -0.118
## 66       foc ~1           0.001 0.075  0.008  0.993   -0.146    0.148
```

```
## 67       foc  ~      age  -0.005 0.001 -4.127  0.000   -0.007   -0.002
## 68       foc  ~   female   0.266 0.042  6.344  0.000    0.184    0.348
## 69       foc  ~    educ2   0.139 0.055  2.532  0.011    0.031    0.247
## 70       foc  ~    educ3  -0.017 0.053 -0.316  0.752   -0.121    0.087
## 71        pj ~~       dj   0.187 0.021  9.078  0.000    0.146    0.227
## 72        pj ~~     lawf   0.107 0.016  6.571  0.000    0.075    0.139
## 73        pj ~~      eff   0.263 0.020 12.852  0.000    0.223    0.303
## 74        pj ~~      foc  -0.048 0.016 -2.932  0.003   -0.080   -0.016
## 75        dj ~~     lawf   0.130 0.020  6.446  0.000    0.091    0.170
## 76       eff ~~       dj   0.276 0.025 10.881  0.000    0.226    0.326
## 77        dj ~~      foc  -0.003 0.021 -0.123  0.902   -0.043    0.038
## 78       eff ~~     lawf   0.064 0.020  3.228  0.001    0.025    0.102
## 79      lawf ~~      foc  -0.056 0.017 -3.334  0.001   -0.089   -0.023
## 80       eff ~~      foc  -0.073 0.020 -3.627  0.000   -0.112   -0.033
## 81      obey ~1           0.150 0.078  1.929  0.054   -0.002    0.302
## 82      obey  ~      age   0.000 0.001  0.229  0.819   -0.002    0.002
## 83      obey  ~   female  -0.097 0.043 -2.242  0.025   -0.182   -0.012
## 84      obey  ~    educ2   0.166 0.056  2.974  0.003    0.057    0.276
## 85      obey  ~    educ3   0.208 0.058  3.589  0.000    0.095    0.322
## 86      obey  ~       pj   0.393 0.056  6.970  0.000    0.282    0.503
## 87      obey  ~       dj  -0.033 0.026 -1.260  0.208   -0.084    0.018
## 88      obey  ~     lawf   0.052 0.033  1.593  0.111   -0.012    0.117
## 89      obey  ~      eff   0.078 0.039  2.032  0.042    0.003    0.154
## 90      obey  ~      foc  -0.001 0.026 -0.046  0.963   -0.053    0.050
## 91   moralid ~1           0.041 0.065  0.633  0.527   -0.086    0.168
## 92   moralid  ~      age   0.001 0.001  1.379  0.168   -0.001    0.003
## 93   moralid  ~   female  -0.098 0.036 -2.719  0.007   -0.168   -0.027
## 94   moralid  ~    educ2   0.071 0.046  1.532  0.126   -0.020    0.162
## 95   moralid  ~    educ3   0.126 0.048  2.615  0.009    0.031    0.220
## 96   moralid  ~       pj   0.635 0.048 13.345  0.000    0.542    0.728
## 97   moralid  ~       dj  -0.032 0.022 -1.500  0.134   -0.075    0.010
## 98   moralid  ~     lawf   0.041 0.027  1.524  0.127   -0.012    0.093
## 99   moralid  ~      eff   0.149 0.032  4.670  0.000    0.086    0.212
## 100  moralid  ~      foc  -0.018 0.022 -0.817  0.414   -0.061    0.025
## 101     obey ~~  moralid   0.072 0.014  5.002  0.000    0.044    0.100
## 102     coop ~1           0.312 0.075  4.130  0.000    0.164    0.460
## 103     coop  ~      age  -0.004 0.001 -3.799  0.000   -0.006   -0.002
## 104     coop  ~   female  -0.073 0.044 -1.657  0.097   -0.158    0.013
## 105     coop  ~    educ2   0.182 0.056  3.262  0.001    0.073    0.291
## 106     coop  ~    educ3   0.120 0.058  2.083  0.037    0.007    0.233
## 107     coop  ~       pj   0.180 0.085  2.117  0.034    0.013    0.347
## 108     coop  ~      eff  -0.061 0.038 -1.596  0.111   -0.135    0.014
## 109     coop  ~      foc  -0.138 0.026 -5.261  0.000   -0.189   -0.086
## 110     coop  ~     obey   0.064 0.032  1.979  0.048    0.001    0.128
## 111     coop  ~  moralid   0.057 0.088  0.653  0.514   -0.115    0.230
## 112       dj ~~       dj   0.895 0.034 26.142  0.000    0.828    0.962
## 113     lawf ~~     lawf   0.542 0.021 25.241  0.000    0.499    0.584
## 114      foc ~~      foc   0.651 0.024 27.258  0.000    0.604    0.698
## 115       pj ~~       pj   0.388 0.022 17.450  0.000    0.345    0.432
## 116      eff ~~      eff   0.690 0.033 20.691  0.000    0.625    0.756
## 117     obey ~~     obey   0.539 0.024 22.617  0.000    0.493    0.586
## 118  moralid ~~  moralid   0.162 0.016  9.900  0.000    0.130    0.194
## 119     coop ~~     coop   0.575 0.024 24.318  0.000    0.529    0.622
## 120      age ~~      age 369.204 0.000     NA     NA  369.204  369.204
```

```
## 121      age ~~   female  -0.123 0.000     NA     NA   -0.123   -0.123
## 122      age ~~    educ2  -1.502 0.000     NA     NA   -1.502   -1.502
## 123      age ~~    educ3   0.386 0.000     NA     NA    0.386    0.386
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2  -0.008 0.000     NA     NA   -0.008   -0.008
## 126   female ~~    educ3   0.010 0.000     NA     NA    0.010    0.010
## 127    educ2 ~~    educ2   0.228 0.000     NA     NA    0.228    0.228
## 128    educ2 ~~    educ3  -0.137 0.000     NA     NA   -0.137   -0.137
## 129    educ3 ~~    educ3   0.238 0.000     NA     NA    0.238    0.238
## 130      age ~1           48.568 0.000     NA     NA   48.568   48.568
## 131   female ~1            0.519 0.000     NA     NA    0.519    0.519
## 132    educ2 ~1            0.352 0.000     NA     NA    0.352    0.352
## 133    educ3 ~1            0.389 0.000     NA     NA    0.389    0.389
##
## $SI
##          lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
```

```
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.106 0.096 -1.100  0.271   -0.294    0.083
## 47        pj  ~      age   0.002 0.001  1.174  0.240   -0.001    0.004
## 48        pj  ~   female  -0.027 0.052 -0.524  0.600   -0.129    0.075
## 49        pj  ~    educ2   0.005 0.065  0.075  0.941   -0.122    0.131
## 50        pj  ~    educ3   0.271 0.078  3.491  0.000    0.119    0.423
## 51        dj ~1           -0.161 0.107 -1.505  0.132   -0.370    0.049
## 52        dj  ~      age   0.003 0.002  1.601  0.109   -0.001    0.006
## 53        dj  ~   female  -0.012 0.059 -0.201  0.840   -0.127    0.103
## 54        dj  ~    educ2   0.021 0.072  0.290  0.772   -0.121    0.163
## 55        dj  ~    educ3  -0.014 0.087 -0.157  0.875   -0.185    0.157
## 56      lawf ~1           -0.446 0.103 -4.334  0.000   -0.647   -0.244
## 57      lawf  ~      age   0.008 0.002  5.111  0.000    0.005    0.011
## 58      lawf  ~   female  -0.145 0.056 -2.576  0.010   -0.255   -0.035
## 59      lawf  ~    educ2   0.039 0.071  0.552  0.581   -0.100    0.179
## 60      lawf  ~    educ3   0.290 0.084  3.451  0.001    0.125    0.454
## 61       eff ~1           0.098 0.109  0.905  0.366   -0.115    0.312
## 62       eff  ~      age   0.002 0.002  1.271  0.204   -0.001    0.005
## 63       eff  ~   female   0.098 0.059  1.651  0.099   -0.018    0.214
## 64       eff  ~    educ2  -0.223 0.073 -3.046  0.002   -0.366   -0.079
## 65       eff  ~    educ3  -0.210 0.088 -2.370  0.018   -0.383   -0.036
## 66       foc ~1           -0.579 0.071 -8.174  0.000   -0.718   -0.440
## 67       foc  ~      age  -0.001 0.001 -1.187  0.235   -0.003    0.001
## 68       foc  ~   female   0.222 0.039  5.759  0.000    0.146    0.297
## 69       foc  ~    educ2   0.049 0.047  1.039  0.299   -0.043    0.142
## 70       foc  ~    educ3   0.021 0.057  0.372  0.710   -0.091    0.133
## 71        pj ~~       dj   0.323 0.029 11.272  0.000    0.267    0.379
## 72        pj ~~     lawf   0.299 0.028 10.850  0.000    0.245    0.353
## 73        pj ~~      eff   0.459 0.030 15.284  0.000    0.400    0.518
## 74        pj ~~      foc  -0.015 0.018 -0.837  0.403   -0.050    0.020
## 75        dj ~~     lawf   0.321 0.030 10.634  0.000    0.262    0.380
## 76       eff ~~       dj   0.383 0.033 11.756  0.000    0.319    0.447
## 77        dj ~~      foc  -0.015 0.020 -0.715  0.475   -0.054    0.025
## 78       eff ~~     lawf   0.306 0.031  9.933  0.000    0.246    0.366
## 79      lawf ~~      foc  -0.013 0.019 -0.674  0.500   -0.051    0.025
## 80       eff ~~      foc  -0.029 0.021 -1.390  0.164   -0.069    0.012
## 81      obey ~1           -0.551 0.126 -4.365  0.000   -0.798   -0.304
## 82      obey  ~      age  -0.001 0.002 -0.342  0.733   -0.004    0.003
## 83      obey  ~   female  -0.033 0.067 -0.486  0.627   -0.164    0.099
## 84      obey  ~    educ2  -0.037 0.083 -0.445  0.656   -0.200    0.126
## 85      obey  ~    educ3  -0.098 0.102 -0.958  0.338   -0.298    0.102
## 86      obey  ~       pj   0.444 0.072  6.137  0.000    0.302    0.586
## 87      obey  ~       dj  -0.093 0.043 -2.159  0.031   -0.177   -0.009
## 88      obey  ~     lawf  -0.039 0.051 -0.759  0.448   -0.140    0.062
## 89      obey  ~      eff   0.026 0.054  0.478  0.632   -0.081    0.133
## 90      obey  ~      foc  -0.107 0.047 -2.290  0.022   -0.198   -0.015
## 91   moralid ~1           -0.413 0.089 -4.615  0.000   -0.588   -0.237
## 92   moralid  ~      age   0.005 0.001  3.572  0.000    0.002    0.007
```

```
## 93   moralid  ~   female  -0.010 0.047 -0.220  0.826   -0.104    0.083
## 94   moralid  ~    educ2   0.039 0.059  0.665  0.506   -0.076    0.154
## 95   moralid  ~    educ3   0.018 0.073  0.245  0.807   -0.125    0.160
## 96   moralid  ~       pj   0.621 0.051 12.183  0.000    0.521    0.721
## 97   moralid  ~       dj   0.038 0.030  1.282  0.200   -0.020    0.097
## 98   moralid  ~     lawf  -0.026 0.034 -0.745  0.456   -0.093    0.042
## 99   moralid  ~      eff   0.132 0.038  3.477  0.001    0.058    0.207
## 100  moralid  ~      foc  -0.024 0.033 -0.716  0.474   -0.088    0.041
## 101     obey ~~  moralid   0.167 0.028  5.959  0.000    0.112    0.222
## 102     coop ~1            0.085 0.088  0.963  0.335   -0.087    0.257
## 103     coop  ~      age  -0.001 0.001 -0.806  0.420   -0.003    0.001
## 104     coop  ~   female  -0.165 0.046 -3.582  0.000   -0.256   -0.075
## 105     coop  ~    educ2   0.065 0.056  1.146  0.252   -0.046    0.175
## 106     coop  ~    educ3   0.223 0.070  3.191  0.001    0.086    0.360
## 107     coop  ~       pj  -0.016 0.060 -0.264  0.792   -0.133    0.102
## 108     coop  ~      eff   0.129 0.037  3.463  0.001    0.056    0.202
## 109     coop  ~      foc  -0.010 0.032 -0.320  0.749   -0.074    0.053
## 110     coop  ~     obey  -0.066 0.022 -3.018  0.003   -0.109   -0.023
## 111     coop  ~  moralid  -0.027 0.049 -0.547  0.584   -0.122    0.069
## 112       dj ~~       dj   0.968 0.041 23.836  0.000    0.888    1.047
## 113     lawf ~~     lawf   0.800 0.036 22.256  0.000    0.729    0.870
## 114      foc ~~      foc   0.487 0.019 26.096  0.000    0.450    0.523
## 115       pj ~~       pj   0.637 0.033 19.101  0.000    0.571    0.702
## 116      eff ~~      eff   0.929 0.044 21.051  0.000    0.842    1.015
## 117     obey ~~     obey   1.241 0.053 23.274  0.000    1.137    1.346
## 118  moralid ~~  moralid   0.405 0.027 14.976  0.000    0.352    0.458
## 119     coop ~~     coop   0.615 0.026 23.597  0.000    0.564    0.666
## 120      age ~~      age 342.072 0.000     NA     NA  342.072  342.072
## 121      age ~~   female   0.549 0.000     NA     NA    0.549    0.549
## 122      age ~~    educ2  -0.705 0.000     NA     NA   -0.705   -0.705
## 123      age ~~    educ3  -0.625 0.000     NA     NA   -0.625   -0.625
## 124   female ~~   female   0.249 0.000     NA     NA    0.249    0.249
## 125   female ~~    educ2  -0.041 0.000     NA     NA   -0.041   -0.041
## 126   female ~~    educ3   0.016 0.000     NA     NA    0.016    0.016
## 127    educ2 ~~    educ2   0.248 0.000     NA     NA    0.248    0.248
## 128    educ2 ~~    educ3  -0.115 0.000     NA     NA   -0.115   -0.115
## 129    educ3 ~~    educ3   0.166 0.000     NA     NA    0.166    0.166
## 130      age ~1           47.448 0.000     NA     NA   47.448   47.448
## 131   female ~1            0.537 0.000     NA     NA    0.537    0.537
## 132    educ2 ~1            0.550 0.000     NA     NA    0.550    0.550
## 133    educ3 ~1            0.210 0.000     NA     NA    0.210    0.210
##
## $SK
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
```

```
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -0.062 0.104 -0.596  0.551   -0.266    0.142
## 47        pj  ~      age   0.000 0.001  0.353  0.724   -0.002    0.003
## 48        pj  ~   female   0.097 0.050  1.956  0.050    0.000    0.194
## 49        pj  ~    educ2  -0.326 0.069 -4.726  0.000   -0.462   -0.191
## 50        pj  ~    educ3  -0.285 0.085 -3.362  0.001   -0.451   -0.119
## 51        dj ~1           -0.179 0.108 -1.658  0.097   -0.391    0.033
## 52        dj  ~      age   0.002 0.001  1.059  0.289   -0.001    0.004
## 53        dj  ~   female   0.039 0.052  0.749  0.454   -0.063    0.142
## 54        dj  ~    educ2  -0.053 0.073 -0.724  0.469   -0.195    0.090
## 55        dj  ~    educ3  -0.133 0.091 -1.464  0.143   -0.310    0.045
## 56      lawf ~1           -0.455 0.099 -4.605  0.000   -0.649   -0.261
## 57      lawf  ~      age   0.002 0.001  1.816  0.069    0.000    0.005
## 58      lawf  ~   female   0.047 0.046  1.016  0.310   -0.044    0.137
## 59      lawf  ~    educ2  -0.011 0.069 -0.162  0.871   -0.147    0.124
## 60      lawf  ~    educ3  -0.051 0.083 -0.617  0.537   -0.213    0.111
## 61       eff ~1            0.313 0.107  2.930  0.003    0.104    0.522
## 62       eff  ~      age  -0.003 0.001 -2.052  0.040   -0.006    0.000
## 63       eff  ~   female   0.042 0.050  0.823  0.410   -0.057    0.140
## 64       eff  ~    educ2  -0.117 0.071 -1.648  0.099   -0.255    0.022
```

```
## 65       eff  ~    educ3  -0.348 0.087 -4.010  0.000   -0.518   -0.178
## 66       foc ~1           -0.222 0.105 -2.104  0.035   -0.429   -0.015
## 67       foc  ~      age   0.007 0.001  5.267  0.000    0.005    0.010
## 68       foc  ~   female   0.274 0.050  5.457  0.000    0.176    0.372
## 69       foc  ~    educ2  -0.028 0.069 -0.405  0.686   -0.162    0.107
## 70       foc  ~    educ3  -0.065 0.085 -0.756  0.449   -0.232    0.103
## 71        pj ~~       dj   0.319 0.027 11.885  0.000    0.267    0.372
## 72        pj ~~     lawf   0.316 0.024 13.305  0.000    0.269    0.363
## 73        pj ~~      eff   0.489 0.027 17.917  0.000    0.435    0.542
## 74        pj ~~      foc  -0.130 0.025 -5.188  0.000   -0.179   -0.081
## 75        dj ~~     lawf   0.229 0.024  9.379  0.000    0.181    0.276
## 76       eff ~~       dj   0.343 0.028 12.412  0.000    0.289    0.397
## 77        dj ~~      foc  -0.058 0.027 -2.171  0.030   -0.110   -0.006
## 78       eff ~~     lawf   0.313 0.024 12.825  0.000    0.265    0.361
## 79      lawf ~~      foc  -0.111 0.024 -4.678  0.000   -0.158   -0.065
## 80       eff ~~      foc  -0.171 0.026 -6.641  0.000   -0.221   -0.121
## 81      obey ~1           -0.051 0.115 -0.439  0.661   -0.276    0.175
## 82      obey  ~      age   0.002 0.002  1.329  0.184   -0.001    0.005
## 83      obey  ~   female  -0.032 0.054 -0.588  0.557   -0.137    0.074
## 84      obey  ~    educ2  -0.124 0.075 -1.651  0.099   -0.271    0.023
## 85      obey  ~    educ3  -0.113 0.091 -1.242  0.214   -0.292    0.066
## 86      obey  ~       pj   0.112 0.051  2.179  0.029    0.011    0.213
## 87      obey  ~       dj   0.011 0.034  0.315  0.753   -0.055    0.077
## 88      obey  ~     lawf   0.010 0.041  0.243  0.808   -0.070    0.090
## 89      obey  ~      eff   0.152 0.048  3.176  0.001    0.058    0.245
## 90      obey  ~      foc   0.044 0.026  1.680  0.093   -0.007    0.095
## 91   moralid ~1           0.062 0.088  0.711  0.477   -0.110    0.234
## 92   moralid  ~      age   0.001 0.001  0.651  0.515   -0.002    0.003
## 93   moralid  ~   female   0.011 0.041  0.268  0.789   -0.069    0.091
## 94   moralid  ~    educ2   0.028 0.057  0.496  0.620   -0.084    0.141
## 95   moralid  ~    educ3  -0.055 0.070 -0.788  0.431   -0.192    0.082
## 96   moralid  ~       pj   0.269 0.039  6.930  0.000    0.193    0.346
## 97   moralid  ~       dj   0.031 0.025  1.222  0.222   -0.019    0.081
## 98   moralid  ~     lawf   0.103 0.031  3.368  0.001    0.043    0.164
## 99   moralid  ~      eff   0.385 0.036 10.717  0.000    0.315    0.456
## 100  moralid  ~      foc  -0.006 0.020 -0.318  0.751   -0.045    0.033
## 101     obey ~~  moralid   0.083 0.021  3.883  0.000    0.041    0.126
## 102     coop ~1           -0.220 0.101 -2.172  0.030   -0.418   -0.021
## 103     coop  ~      age  -0.003 0.001 -2.431  0.015   -0.006   -0.001
## 104     coop  ~   female  -0.104 0.048 -2.157  0.031   -0.199   -0.010
## 105     coop  ~    educ2   0.161 0.067  2.394  0.017    0.029    0.292
## 106     coop  ~    educ3   0.314 0.082  3.834  0.000    0.154    0.475
## 107     coop  ~       pj   0.289 0.046  6.222  0.000    0.198    0.380
## 108     coop  ~      eff  -0.017 0.046 -0.361  0.718   -0.107    0.074
## 109     coop  ~      foc  -0.005 0.023 -0.196  0.845   -0.050    0.041
## 110     coop  ~     obey   0.019 0.024  0.805  0.421   -0.028    0.066
## 111     coop  ~  moralid  -0.071 0.044 -1.609  0.108   -0.157    0.015
## 112       dj ~~       dj   0.951 0.035 26.830  0.000    0.882    1.021
## 113     lawf ~~     lawf   0.716 0.027 26.100  0.000    0.663    0.770
## 114      foc ~~      foc   1.052 0.035 29.958  0.000    0.983    1.121
## 115       pj ~~       pj   0.761 0.034 22.616  0.000    0.695    0.827
## 116      eff ~~      eff   0.843 0.036 23.666  0.000    0.774    0.913
## 117     obey ~~     obey   1.059 0.039 27.312  0.000    0.983    1.135
## 118  moralid ~~  moralid   0.438 0.023 19.174  0.000    0.393    0.483
```

```
## 119     coop ~~     coop   0.862 0.032 27.077  0.000    0.799    0.924
## 120      age ~~      age 302.453 0.000     NA     NA  302.453  302.453
## 121      age ~~   female   0.857 0.000     NA     NA    0.857    0.857
## 122      age ~~    educ2  -0.661 0.000     NA     NA   -0.661   -0.661
## 123      age ~~    educ3  -0.420 0.000     NA     NA   -0.420   -0.420
## 124   female ~~   female   0.237 0.000     NA     NA    0.237    0.237
## 125   female ~~    educ2  -0.015 0.000     NA     NA   -0.015   -0.015
## 126   female ~~    educ3  -0.004 0.000     NA     NA   -0.004   -0.004
## 127    educ2 ~~    educ2   0.222 0.000     NA     NA    0.222    0.222
## 128    educ2 ~~    educ3  -0.117 0.000     NA     NA   -0.117   -0.117
## 129    educ3 ~~    educ3   0.144 0.000     NA     NA    0.144    0.144
## 130      age ~1           50.542 0.000     NA     NA   50.542   50.542
## 131   female ~1            0.614 0.000     NA     NA    0.614    0.614
## 132    educ2 ~1            0.666 0.000     NA     NA    0.666    0.666
## 133    educ3 ~1            0.175 0.000     NA     NA    0.175    0.175
##
## $UA
##          lhs op      rhs     est    se       z pvalue ci.lower ci.upper
## 1         pj =~      pj1   0.579 0.000      NA     NA    0.579    0.579
## 2         pj =~      pj2   0.573 0.000      NA     NA    0.573    0.573
## 3         pj =~      pj3   0.533 0.000      NA     NA    0.533    0.533
## 4        pj1 ~1            2.766 0.000      NA     NA    2.766    2.766
## 5        pj2 ~1            2.716 0.000      NA     NA    2.716    2.716
## 6        pj3 ~1            2.557 0.000      NA     NA    2.557    2.557
## 7        pj1 ~~      pj1   0.182 0.000      NA     NA    0.182    0.182
## 8        pj2 ~~      pj2   0.146 0.000      NA     NA    0.146    0.146
## 9        pj3 ~~      pj3   0.330 0.000      NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000      NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000      NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000      NA     NA    1.428    1.428
## 13      eff1 ~1            5.130 0.000      NA     NA    5.130    5.130
## 14      eff2 ~1            4.722 0.000      NA     NA    4.722    4.722
## 15      eff3 ~1            5.684 0.000      NA     NA    5.684    5.684
## 16      eff1 ~~     eff1   1.365 0.000      NA     NA    1.365    1.365
## 17      eff2 ~~     eff2   1.655 0.000      NA     NA    1.655    1.655
## 18      eff3 ~~     eff3   3.580 0.000      NA     NA    3.580    3.580
## 19      obey =~    obey1   2.156 0.000      NA     NA    2.156    2.156
## 20      obey =~    obey2   2.728 0.000      NA     NA    2.728    2.728
## 21      obey =~    obey3   2.495 0.000      NA     NA    2.495    2.495
## 22     obey1 ~1            5.702 0.000      NA     NA    5.702    5.702
## 23     obey2 ~1            6.100 0.000      NA     NA    6.100    6.100
## 24     obey3 ~1            5.881 0.000      NA     NA    5.881    5.881
## 25     obey1 ~~    obey1   4.102 0.000      NA     NA    4.102    4.102
## 26     obey2 ~~    obey2   0.689 0.000      NA     NA    0.689    0.689
## 27     obey3 ~~    obey3   1.953 0.000      NA     NA    1.953    1.953
## 28   moralid =~ moralid1   0.727 0.000      NA     NA    0.727    0.727
## 29   moralid =~ moralid2   0.789 0.000      NA     NA    0.789    0.789
## 30   moralid =~ moralid3   0.685 0.000      NA     NA    0.685    0.685
## 31  moralid1 ~1            3.495 0.000      NA     NA    3.495    3.495
## 32  moralid2 ~1            3.600 0.000      NA     NA    3.600    3.600
## 33  moralid3 ~1            3.508 0.000      NA     NA    3.508    3.508
## 34  moralid1 ~~ moralid1   0.394 0.000      NA     NA    0.394    0.394
## 35  moralid2 ~~ moralid2   0.217 0.000      NA     NA    0.217    0.217
## 36  moralid3 ~~ moralid3   0.394 0.000      NA     NA    0.394    0.394
```

```
## 37      coop =~    coop1   0.482 0.000      NA     NA    0.482    0.482
## 38      coop =~    coop2   0.813 0.000      NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000      NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000      NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000      NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000      NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000      NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000      NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000      NA     NA    0.263    0.263
## 46        pj ~1           -1.348 0.107 -12.559  0.000   -1.559   -1.138
## 47        pj  ~      age   0.002 0.001   1.637  0.102    0.000    0.005
## 48        pj  ~   female   0.048 0.051   0.926  0.354   -0.053    0.149
## 49        pj  ~    educ2  -0.069 0.083  -0.829  0.407   -0.232    0.094
## 50        pj  ~    educ3  -0.016 0.072  -0.218  0.828   -0.158    0.126
## 51        dj ~1           -0.454 0.099  -4.596  0.000   -0.648   -0.261
## 52        dj  ~      age   0.001 0.001   0.861  0.389   -0.001    0.004
## 53        dj  ~   female   0.000 0.047  -0.008  0.993   -0.092    0.091
## 54        dj  ~    educ2   0.013 0.078   0.163  0.871   -0.140    0.166
## 55        dj  ~    educ3  -0.008 0.068  -0.123  0.902   -0.141    0.125
## 56      lawf ~1           -0.761 0.105  -7.233  0.000   -0.967   -0.555
## 57      lawf  ~      age  -0.002 0.001  -1.370  0.171   -0.004    0.001
## 58      lawf  ~   female   0.075 0.049   1.542  0.123   -0.020    0.170
## 59      lawf  ~    educ2  -0.103 0.084  -1.228  0.220   -0.269    0.062
## 60      lawf  ~    educ3  -0.110 0.074  -1.482  0.138   -0.255    0.035
## 61       eff ~1           -0.474 0.115  -4.123  0.000   -0.699   -0.249
## 62       eff  ~      age  -0.004 0.001  -2.783  0.005   -0.007   -0.001
## 63       eff  ~   female  -0.031 0.055  -0.572  0.568   -0.139    0.076
## 64       eff  ~    educ2   0.026 0.088   0.294  0.769   -0.147    0.199
## 65       eff  ~    educ3  -0.047 0.077  -0.606  0.545   -0.199    0.105
## 66       foc ~1           -0.383 0.091  -4.218  0.000   -0.561   -0.205
## 67       foc  ~      age   0.001 0.001   0.607  0.544   -0.002    0.003
## 68       foc  ~   female   0.259 0.044   5.857  0.000    0.172    0.345
## 69       foc  ~    educ2   0.014 0.070   0.196  0.845   -0.123    0.151
## 70       foc  ~    educ3   0.166 0.061   2.730  0.006    0.047    0.285
## 71        pj ~~       dj   0.237 0.024   9.736  0.000    0.189    0.285
## 72        pj ~~     lawf   0.218 0.026   8.371  0.000    0.167    0.270
## 73        pj ~~      eff   0.653 0.032  20.263  0.000    0.590    0.716
## 74        pj ~~      foc  -0.110 0.023  -4.752  0.000   -0.155   -0.064
## 75        dj ~~     lawf   0.039 0.023   1.681  0.093   -0.006    0.085
## 76       eff ~~       dj   0.259 0.026   9.857  0.000    0.207    0.310
## 77        dj ~~      foc  -0.140 0.021  -6.770  0.000   -0.181   -0.099
## 78       eff ~~     lawf   0.223 0.028   7.854  0.000    0.168    0.279
## 79      lawf ~~      foc  -0.009 0.022  -0.420  0.674   -0.052    0.033
## 80       eff ~~      foc  -0.164 0.025  -6.642  0.000   -0.212   -0.115
## 81      obey ~1           -0.355 0.131  -2.721  0.007   -0.611   -0.099
## 82      obey  ~      age   0.005 0.002   3.071  0.002    0.002    0.008
## 83      obey  ~   female   0.151 0.056   2.692  0.007    0.041    0.261
## 84      obey  ~    educ2  -0.045 0.090  -0.505  0.613   -0.221    0.131
## 85      obey  ~    educ3  -0.227 0.079  -2.891  0.004   -0.381   -0.073
## 86      obey  ~       pj   0.258 0.054   4.820  0.000    0.153    0.363
## 87      obey  ~       dj   0.139 0.044   3.159  0.002    0.053    0.226
## 88      obey  ~     lawf  -0.082 0.039  -2.107  0.035   -0.159   -0.006
## 89      obey  ~      eff   0.101 0.048   2.117  0.034    0.008    0.194
## 90      obey  ~      foc  -0.074 0.032  -2.302  0.021   -0.138   -0.011
```

```
## 91   moralid ~1          -0.304 0.133  -2.275  0.023   -0.565   -0.042
## 92   moralid  ~      age   0.003 0.002   1.718  0.086    0.000    0.006
## 93   moralid  ~   female   0.010 0.057   0.181  0.857   -0.102    0.122
## 94   moralid  ~    educ2  -0.104 0.092  -1.127  0.260   -0.285    0.077
## 95   moralid  ~    educ3  -0.057 0.081  -0.708  0.479   -0.217    0.102
## 96   moralid  ~       pj   0.465 0.054   8.656  0.000    0.360    0.570
## 97   moralid  ~       dj   0.073 0.044   1.663  0.096   -0.013    0.160
## 98   moralid  ~     lawf  -0.163 0.038  -4.230  0.000   -0.238   -0.087
## 99   moralid  ~      eff   0.252 0.048   5.205  0.000    0.157    0.347
## 100  moralid  ~      foc   0.054 0.033   1.637  0.102   -0.011    0.119
## 101     obey ~~  moralid   0.182 0.032   5.693  0.000    0.120    0.245
## 102     coop ~1          -1.116 0.107 -10.435  0.000   -1.325   -0.906
## 103     coop  ~      age   0.002 0.001   1.866  0.062    0.000    0.005
## 104     coop  ~   female  -0.130 0.047  -2.755  0.006   -0.222   -0.037
## 105     coop  ~    educ2   0.177 0.075   2.372  0.018    0.031    0.323
## 106     coop  ~    educ3   0.345 0.065   5.298  0.000    0.217    0.473
## 107     coop  ~       pj   0.107 0.046   2.315  0.021    0.016    0.198
## 108     coop  ~      eff  -0.050 0.040  -1.248  0.212   -0.128    0.028
## 109     coop  ~      foc   0.052 0.027   1.962  0.050    0.000    0.104
## 110     coop  ~     obey   0.004 0.023   0.161  0.872   -0.042    0.050
## 111     coop  ~  moralid   0.072 0.026   2.802  0.005    0.022    0.123
## 112       dj ~~       dj   0.665 0.026  25.345  0.000    0.613    0.716
## 113     lawf ~~     lawf   0.753 0.029  25.737  0.000    0.696    0.811
## 114      foc ~~      foc   0.792 0.027  29.683  0.000    0.740    0.845
## 115       pj ~~       pj   0.875 0.037  23.491  0.000    0.802    0.948
## 116      eff ~~      eff   1.059 0.043  24.784  0.000    0.975    1.143
## 117     obey ~~     obey   1.120 0.042  26.718  0.000    1.038    1.203
## 118  moralid ~~  moralid   1.035 0.044  23.353  0.000    0.949    1.122
## 119     coop ~~     coop   0.830 0.030  27.743  0.000    0.771    0.888
## 120      age ~~      age 356.200 0.000      NA     NA  356.200  356.200
## 121      age ~~   female   0.895 0.000      NA     NA    0.895    0.895
## 122      age ~~    educ2  -0.404 0.000      NA     NA   -0.404   -0.404
## 123      age ~~    educ3  -1.505 0.000      NA     NA   -1.505   -1.505
## 124   female ~~   female   0.234 0.000      NA     NA    0.234    0.234
## 125   female ~~    educ2  -0.008 0.000      NA     NA   -0.008   -0.008
## 126   female ~~    educ3   0.005 0.000      NA     NA    0.005    0.005
## 127    educ2 ~~    educ2   0.177 0.000      NA     NA    0.177    0.177
## 128    educ2 ~~    educ3  -0.139 0.000      NA     NA   -0.139   -0.139
## 129    educ3 ~~    educ3   0.239 0.000      NA     NA    0.239    0.239
## 130      age ~1          50.256 0.000      NA     NA   50.256   50.256
## 131   female ~1           0.628 0.000      NA     NA    0.628    0.628
## 132    educ2 ~1           0.230 0.000      NA     NA    0.230    0.230
## 133    educ3 ~1           0.603 0.000      NA     NA    0.603    0.603
##
## $SA
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1           2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1           2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1           2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
```

```
## 9        pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10       eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11       eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12       eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13      eff1 ~1           5.130 0.000     NA     NA    5.130    5.130
## 14      eff2 ~1           4.722 0.000     NA     NA    4.722    4.722
## 15      eff3 ~1           5.684 0.000     NA     NA    5.684    5.684
## 16      eff1 ~~     eff1  1.365 0.000     NA     NA    1.365    1.365
## 17      eff2 ~~     eff2  1.655 0.000     NA     NA    1.655    1.655
## 18      eff3 ~~     eff3  3.580 0.000     NA     NA    3.580    3.580
## 19      obey =~    obey2  2.728 0.000     NA     NA    2.728    2.728
## 20      obey =~    obey3  2.495 0.000     NA     NA    2.495    2.495
## 21     obey2 ~1           6.100 0.000     NA     NA    6.100    6.100
## 22     obey3 ~1           5.881 0.000     NA     NA    5.881    5.881
## 23     obey2 ~~    obey2  0.689 0.000     NA     NA    0.689    0.689
## 24     obey3 ~~    obey3  1.953 0.000     NA     NA    1.953    1.953
## 25   moralid =~ moralid1  0.727 0.000     NA     NA    0.727    0.727
## 26   moralid =~ moralid2  0.789 0.000     NA     NA    0.789    0.789
## 27   moralid =~ moralid3  0.685 0.000     NA     NA    0.685    0.685
## 28  moralid1 ~1           3.495 0.000     NA     NA    3.495    3.495
## 29  moralid2 ~1           3.600 0.000     NA     NA    3.600    3.600
## 30  moralid3 ~1           3.508 0.000     NA     NA    3.508    3.508
## 31  moralid1 ~~ moralid1  0.394 0.000     NA     NA    0.394    0.394
## 32  moralid2 ~~ moralid2  0.217 0.000     NA     NA    0.217    0.217
## 33  moralid3 ~~ moralid3  0.394 0.000     NA     NA    0.394    0.394
## 34      coop =~    coop1  0.482 0.000     NA     NA    0.482    0.482
## 35      coop =~    coop2  0.813 0.000     NA     NA    0.813    0.813
## 36      coop =~    coop3  0.771 0.000     NA     NA    0.771    0.771
## 37     coop1 ~1           3.407 0.000     NA     NA    3.407    3.407
## 38     coop2 ~1           3.167 0.000     NA     NA    3.167    3.167
## 39     coop3 ~1           2.971 0.000     NA     NA    2.971    2.971
## 40     coop1 ~~    coop1  0.350 0.000     NA     NA    0.350    0.350
## 41     coop2 ~~    coop2  0.045 0.000     NA     NA    0.045    0.045
## 42     coop3 ~~    coop3  0.263 0.000     NA     NA    0.263    0.263
## 43        pj ~1          -0.783 0.087 -9.015  0.000   -0.953   -0.613
## 44        pj  ~      age   0.006 0.002  3.494  0.000    0.003    0.009
## 45        pj  ~   female  -0.076 0.055 -1.390  0.164   -0.183    0.031
## 46        pj  ~    educ2  -0.058 0.061 -0.957  0.339   -0.178    0.061
## 47        pj  ~    educ3   0.088 0.088  1.009  0.313   -0.083    0.260
## 48        dj ~1          -0.493 0.073 -6.715  0.000   -0.636   -0.349
## 49        dj  ~      age   0.008 0.001  5.859  0.000    0.005    0.011
## 50        dj  ~   female   0.004 0.047  0.086  0.931   -0.087    0.095
## 51        dj  ~    educ2   0.099 0.052  1.911  0.056   -0.003    0.200
## 52        dj  ~    educ3   0.217 0.076  2.875  0.004    0.069    0.366
## 53      lawf ~1          -0.477 0.068 -7.008  0.000   -0.610   -0.344
## 54      lawf  ~      age   0.001 0.001  1.038  0.299   -0.001    0.004
## 55      lawf  ~   female  -0.028 0.043 -0.651  0.515   -0.112    0.056
## 56      lawf  ~    educ2  -0.201 0.048 -4.197  0.000   -0.295   -0.107
## 57      lawf  ~    educ3  -0.109 0.067 -1.632  0.103   -0.240    0.022
## 58       eff ~1          -0.325 0.089 -3.667  0.000   -0.498   -0.151
## 59       eff  ~      age   0.002 0.002  0.896  0.370   -0.002    0.005
## 60       eff  ~   female   0.049 0.056  0.871  0.384   -0.061    0.158
## 61       eff  ~    educ2  -0.181 0.062 -2.907  0.004   -0.303   -0.059
## 62       eff  ~    educ3  -0.075 0.090 -0.839  0.402   -0.251    0.101
```

```
## 63       foc ~1           0.489 0.088  5.571  0.000    0.317    0.661
## 64       foc  ~      age  0.001 0.002  0.579  0.563   -0.002    0.004
## 65       foc  ~   female  0.035 0.056  0.637  0.524   -0.074    0.144
## 66       foc  ~    educ2  0.258 0.062  4.161  0.000    0.136    0.379
## 67       foc  ~    educ3  0.292 0.089  3.273  0.001    0.117    0.467
## 68        pj ~~       dj  0.524 0.031 16.705  0.000    0.463    0.586
## 69        pj ~~     lawf  0.325 0.028 11.636  0.000    0.270    0.379
## 70        pj ~~      eff  0.725 0.039 18.732  0.000    0.649    0.801
## 71        pj ~~      foc -0.221 0.036 -6.156  0.000   -0.291   -0.150
## 72        dj ~~     lawf  0.213 0.023  9.066  0.000    0.167    0.259
## 73       eff ~~       dj  0.511 0.032 15.933  0.000    0.448    0.574
## 74        dj ~~      foc -0.064 0.030 -2.138  0.033   -0.123   -0.005
## 75       eff ~~     lawf  0.262 0.029  9.150  0.000    0.205    0.318
## 76      lawf ~~      foc -0.078 0.028 -2.800  0.005   -0.133   -0.023
## 77       eff ~~      foc -0.339 0.037 -9.158  0.000   -0.412   -0.267
## 78      obey ~1          -0.416 0.061 -6.872  0.000   -0.535   -0.298
## 79      obey  ~      age  0.003 0.001  2.556  0.011    0.001    0.005
## 80      obey  ~   female -0.087 0.037 -2.333  0.020   -0.159   -0.014
## 81      obey  ~    educ2  0.019 0.042  0.460  0.645   -0.063    0.101
## 82      obey  ~    educ3  0.108 0.060  1.798  0.072   -0.010    0.225
## 83      obey  ~       pj  0.046 0.021  2.211  0.027    0.005    0.086
## 84      obey  ~       dj  0.008 0.021  0.397  0.691   -0.033    0.049
## 85      obey  ~     lawf -0.024 0.022 -1.091  0.275   -0.066    0.019
## 86      obey  ~      eff  0.300 0.019 15.452  0.000    0.262    0.338
## 87      obey  ~      foc  0.006 0.014  0.417  0.677   -0.022    0.034
## 88   moralid ~1          -0.099 0.073 -1.349  0.177   -0.242    0.045
## 89   moralid  ~      age  0.000 0.001  0.030  0.976   -0.003    0.003
## 90   moralid  ~   female -0.074 0.045 -1.648  0.099   -0.162    0.014
## 91   moralid  ~    educ2 -0.096 0.050 -1.906  0.057   -0.195    0.003
## 92   moralid  ~    educ3 -0.199 0.072 -2.762  0.006   -0.340   -0.058
## 93   moralid  ~       pj  0.236 0.025  9.563  0.000    0.188    0.284
## 94   moralid  ~       dj  0.138 0.025  5.532  0.000    0.089    0.187
## 95   moralid  ~     lawf -0.029 0.026 -1.103  0.270   -0.080    0.022
## 96   moralid  ~      eff  0.378 0.023 16.243  0.000    0.332    0.423
## 97   moralid  ~      foc  0.021 0.017  1.254  0.210   -0.012    0.055
## 98      obey ~~  moralid  0.035 0.019  1.801  0.072   -0.003    0.073
## 99      coop ~1          -0.302 0.080 -3.768  0.000   -0.460   -0.145
## 100     coop  ~      age -0.001 0.001 -0.850  0.395   -0.004    0.002
## 101     coop  ~   female -0.088 0.049 -1.790  0.073   -0.184    0.008
## 102     coop  ~    educ2 -0.006 0.055 -0.105  0.917   -0.113    0.101
## 103     coop  ~    educ3  0.220 0.079  2.798  0.005    0.066    0.375
## 104     coop  ~       pj  0.210 0.027  7.918  0.000    0.158    0.262
## 105     coop  ~      eff -0.046 0.029 -1.573  0.116   -0.104    0.011
## 106     coop  ~      foc  0.013 0.019  0.694  0.488   -0.024    0.050
## 107     coop  ~     obey  0.013 0.031  0.406  0.685   -0.048    0.073
## 108     coop  ~  moralid  0.100 0.028  3.534  0.000    0.045    0.156
## 109       dj ~~       dj  1.123 0.034 32.751  0.000    1.056    1.191
## 110     lawf ~~     lawf  0.913 0.029 31.971  0.000    0.857    0.969
## 111      foc ~~      foc  1.748 0.051 34.364  0.000    1.648    1.848
## 112       pj ~~       pj  1.458 0.049 29.676  0.000    1.361    1.554
## 113      eff ~~      eff  1.563 0.052 30.235  0.000    1.462    1.665
## 114     obey ~~     obey  0.681 0.023 30.115  0.000    0.636    0.725
## 115  moralid ~~  moralid  0.891 0.033 27.075  0.000    0.827    0.956
## 116     coop ~~     coop  1.274 0.039 32.488  0.000    1.197    1.351
```

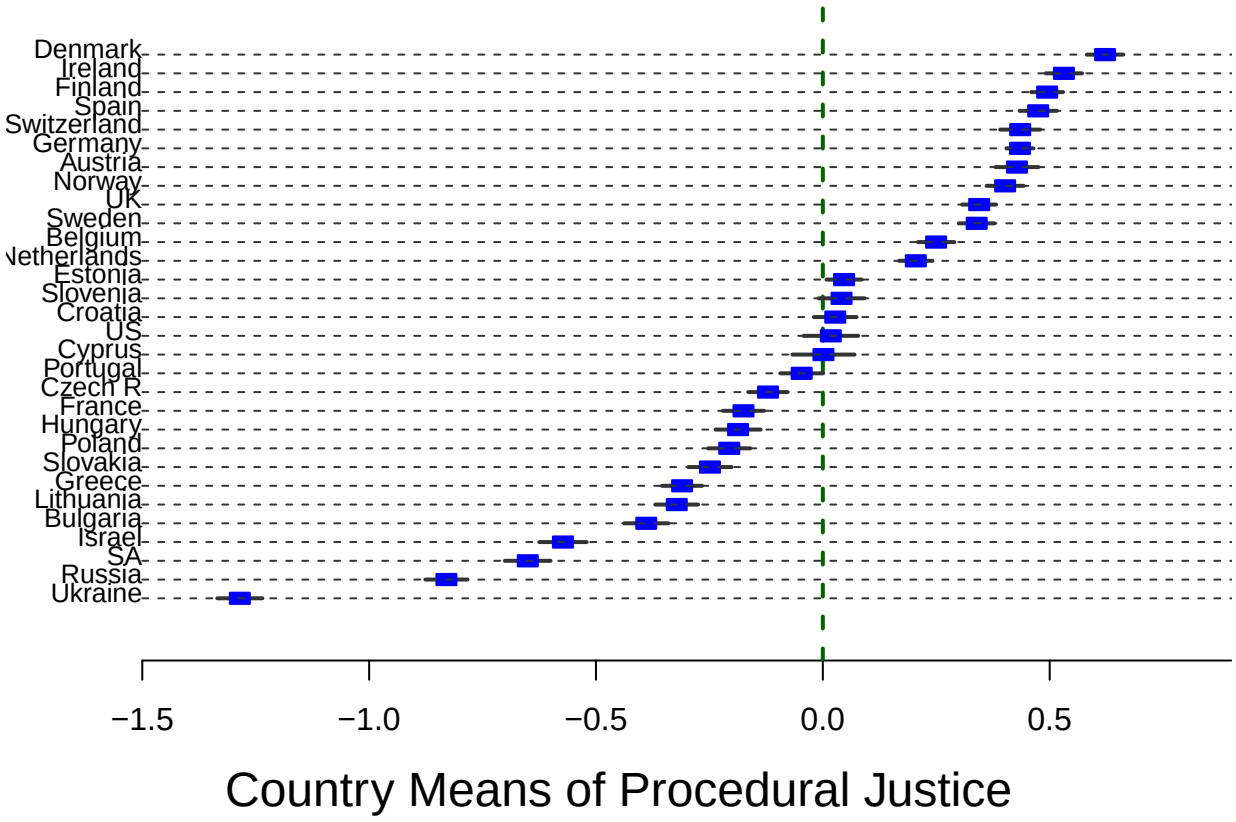
```
## 117      age ~~      age 282.642 0.000     NA     NA  282.642  282.642
## 118      age ~~   female   0.246 0.000     NA     NA    0.246    0.246
## 119      age ~~    educ2  -1.608 0.000     NA     NA   -1.608   -1.608
## 120      age ~~    educ3   0.113 0.000     NA     NA    0.113    0.113
## 121   female ~~   female   0.242 0.000     NA     NA    0.242    0.242
## 122   female ~~    educ2  -0.004 0.000     NA     NA   -0.004   -0.004
## 123   female ~~    educ3  -0.010 0.000     NA     NA   -0.010   -0.010
## 124    educ2 ~~    educ2   0.214 0.000     NA     NA    0.214    0.214
## 125    educ2 ~~    educ3  -0.035 0.000     NA     NA   -0.035   -0.035
## 126    educ3 ~~    educ3   0.100 0.000     NA     NA    0.100    0.100
## 127      age ~1           41.662 0.000     NA     NA   41.662   41.662
## 128   female ~1            0.592 0.000     NA     NA    0.592    0.592
## 129    educ2 ~1            0.311 0.000     NA     NA    0.311    0.311
## 130    educ3 ~1            0.112 0.000     NA     NA    0.112    0.112
##
## $US
##         lhs op      rhs     est    se      z pvalue ci.lower ci.upper
## 1        pj =~      pj1   0.579 0.000     NA     NA    0.579    0.579
## 2        pj =~      pj2   0.573 0.000     NA     NA    0.573    0.573
## 3        pj =~      pj3   0.533 0.000     NA     NA    0.533    0.533
## 4       pj1 ~1            2.766 0.000     NA     NA    2.766    2.766
## 5       pj2 ~1            2.716 0.000     NA     NA    2.716    2.716
## 6       pj3 ~1            2.557 0.000     NA     NA    2.557    2.557
## 7       pj1 ~~      pj1   0.182 0.000     NA     NA    0.182    0.182
## 8       pj2 ~~      pj2   0.146 0.000     NA     NA    0.146    0.146
## 9       pj3 ~~      pj3   0.330 0.000     NA     NA    0.330    0.330
## 10      eff =~     eff1   1.737 0.000     NA     NA    1.737    1.737
## 11      eff =~     eff2   1.821 0.000     NA     NA    1.821    1.821
## 12      eff =~     eff3   1.428 0.000     NA     NA    1.428    1.428
## 13     eff1 ~1            5.130 0.000     NA     NA    5.130    5.130
## 14     eff2 ~1            4.722 0.000     NA     NA    4.722    4.722
## 15     eff3 ~1            5.684 0.000     NA     NA    5.684    5.684
## 16     eff1 ~~     eff1   1.365 0.000     NA     NA    1.365    1.365
## 17     eff2 ~~     eff2   1.655 0.000     NA     NA    1.655    1.655
## 18     eff3 ~~     eff3   3.580 0.000     NA     NA    3.580    3.580
## 19     obey =~    obey1   2.156 0.000     NA     NA    2.156    2.156
## 20     obey =~    obey2   2.728 0.000     NA     NA    2.728    2.728
## 21     obey =~    obey3   2.495 0.000     NA     NA    2.495    2.495
## 22    obey1 ~1            5.702 0.000     NA     NA    5.702    5.702
## 23    obey2 ~1            6.100 0.000     NA     NA    6.100    6.100
## 24    obey3 ~1            5.881 0.000     NA     NA    5.881    5.881
## 25    obey1 ~~    obey1   4.102 0.000     NA     NA    4.102    4.102
## 26    obey2 ~~    obey2   0.689 0.000     NA     NA    0.689    0.689
## 27    obey3 ~~    obey3   1.953 0.000     NA     NA    1.953    1.953
## 28  moralid =~ moralid1   0.727 0.000     NA     NA    0.727    0.727
## 29  moralid =~ moralid2   0.789 0.000     NA     NA    0.789    0.789
## 30  moralid =~ moralid3   0.685 0.000     NA     NA    0.685    0.685
## 31 moralid1 ~1            3.495 0.000     NA     NA    3.495    3.495
## 32 moralid2 ~1            3.600 0.000     NA     NA    3.600    3.600
## 33 moralid3 ~1            3.508 0.000     NA     NA    3.508    3.508
## 34 moralid1 ~~ moralid1   0.394 0.000     NA     NA    0.394    0.394
## 35 moralid2 ~~ moralid2   0.217 0.000     NA     NA    0.217    0.217
## 36 moralid3 ~~ moralid3   0.394 0.000     NA     NA    0.394    0.394
## 37      coop =~    coop1   0.482 0.000     NA     NA    0.482    0.482
```

```
## 38      coop =~    coop2   0.813 0.000     NA     NA    0.813    0.813
## 39      coop =~    coop3   0.771 0.000     NA     NA    0.771    0.771
## 40     coop1 ~1            3.407 0.000     NA     NA    3.407    3.407
## 41     coop2 ~1            3.167 0.000     NA     NA    3.167    3.167
## 42     coop3 ~1            2.971 0.000     NA     NA    2.971    2.971
## 43     coop1 ~~    coop1   0.350 0.000     NA     NA    0.350    0.350
## 44     coop2 ~~    coop2   0.045 0.000     NA     NA    0.045    0.045
## 45     coop3 ~~    coop3   0.263 0.000     NA     NA    0.263    0.263
## 46        pj ~1           -1.035 0.143 -7.250  0.000   -1.314   -0.755
## 47        pj  ~      age   0.014 0.002  7.691  0.000    0.010    0.017
## 48        pj  ~   female  -0.107 0.060 -1.792  0.073   -0.224    0.010
## 49        pj  ~    educ2   0.416 0.120  3.454  0.001    0.180    0.652
## 50        pj  ~    educ3   0.634 0.114  5.582  0.000    0.412    0.857
## 51        dj ~1           -0.188 0.121 -1.560  0.119   -0.424    0.048
## 52        dj  ~      age   0.008 0.002  4.974  0.000    0.005    0.010
## 53        dj  ~   female  -0.116 0.051 -2.298  0.022   -0.215   -0.017
## 54        dj  ~    educ2   0.162 0.102  1.589  0.112   -0.038    0.363
## 55        dj  ~    educ3   0.126 0.097  1.302  0.193   -0.063    0.315
## 56      lawf ~1           -0.234 0.117 -2.002  0.045   -0.463   -0.005
## 57      lawf  ~      age   0.008 0.001  5.218  0.000    0.005    0.010
## 58      lawf  ~   female  -0.072 0.049 -1.476  0.140   -0.167    0.024
## 59      lawf  ~    educ2   0.204 0.098  2.078  0.038    0.012    0.396
## 60      lawf  ~    educ3   0.330 0.093  3.566  0.000    0.149    0.512
## 61       eff ~1           -0.307 0.126 -2.430  0.015   -0.555   -0.059
## 62       eff  ~      age   0.013 0.002  8.074  0.000    0.010    0.016
## 63       eff  ~   female   0.041 0.053  0.768  0.442   -0.063    0.145
## 64       eff  ~    educ2   0.219 0.107  2.051  0.040    0.010    0.428
## 65       eff  ~    educ3   0.300 0.101  2.981  0.003    0.103    0.498
## 66       foc ~1            0.999 0.109  9.146  0.000    0.785    1.213
## 67       foc  ~      age  -0.002 0.001 -1.141  0.254   -0.004    0.001
## 68       foc  ~   female   0.140 0.045  3.070  0.002    0.050    0.229
## 69       foc  ~    educ2  -0.490 0.092 -5.307  0.000   -0.671   -0.309
## 70       foc  ~    educ3  -0.658 0.087 -7.547  0.000   -0.829   -0.487
## 71        pj ~~       dj   0.489 0.032 15.182  0.000    0.426    0.553
## 72        pj ~~     lawf   0.491 0.031 15.758  0.000    0.430    0.553
## 73        pj ~~      eff   0.665 0.036 18.673  0.000    0.595    0.735
## 74        pj ~~      foc  -0.228 0.027 -8.312  0.000   -0.282   -0.174
## 75        dj ~~     lawf   0.330 0.026 12.902  0.000    0.280    0.381
## 76       eff ~~       dj   0.327 0.028 11.769  0.000    0.273    0.382
## 77        dj ~~      foc  -0.115 0.023 -5.003  0.000   -0.160   -0.070
## 78       eff ~~     lawf   0.370 0.027 13.596  0.000    0.316    0.423
## 79      lawf ~~      foc  -0.133 0.022 -6.008  0.000   -0.176   -0.089
## 80       eff ~~      foc  -0.215 0.025 -8.748  0.000   -0.263   -0.167
## 81      obey ~1           -0.472 0.097 -4.857  0.000   -0.662   -0.281
## 82      obey  ~      age   0.004 0.001  3.303  0.001    0.002    0.006
## 83      obey  ~   female  -0.041 0.039 -1.048  0.295   -0.117    0.035
## 84      obey  ~    educ2   0.255 0.079  3.229  0.001    0.100    0.409
## 85      obey  ~    educ3   0.302 0.076  3.997  0.000    0.154    0.451
## 86      obey  ~       pj   0.274 0.031  8.943  0.000    0.214    0.334
## 87      obey  ~       dj  -0.009 0.023 -0.382  0.702   -0.053    0.036
## 88      obey  ~     lawf   0.037 0.024  1.530  0.126   -0.010    0.083
## 89      obey  ~      eff  -0.012 0.033 -0.361  0.718   -0.077    0.053
## 90      obey  ~      foc  -0.002 0.022 -0.098  0.922   -0.046    0.042
## 91   moralid ~1           -0.317 0.094 -3.383  0.001   -0.500   -0.133
```

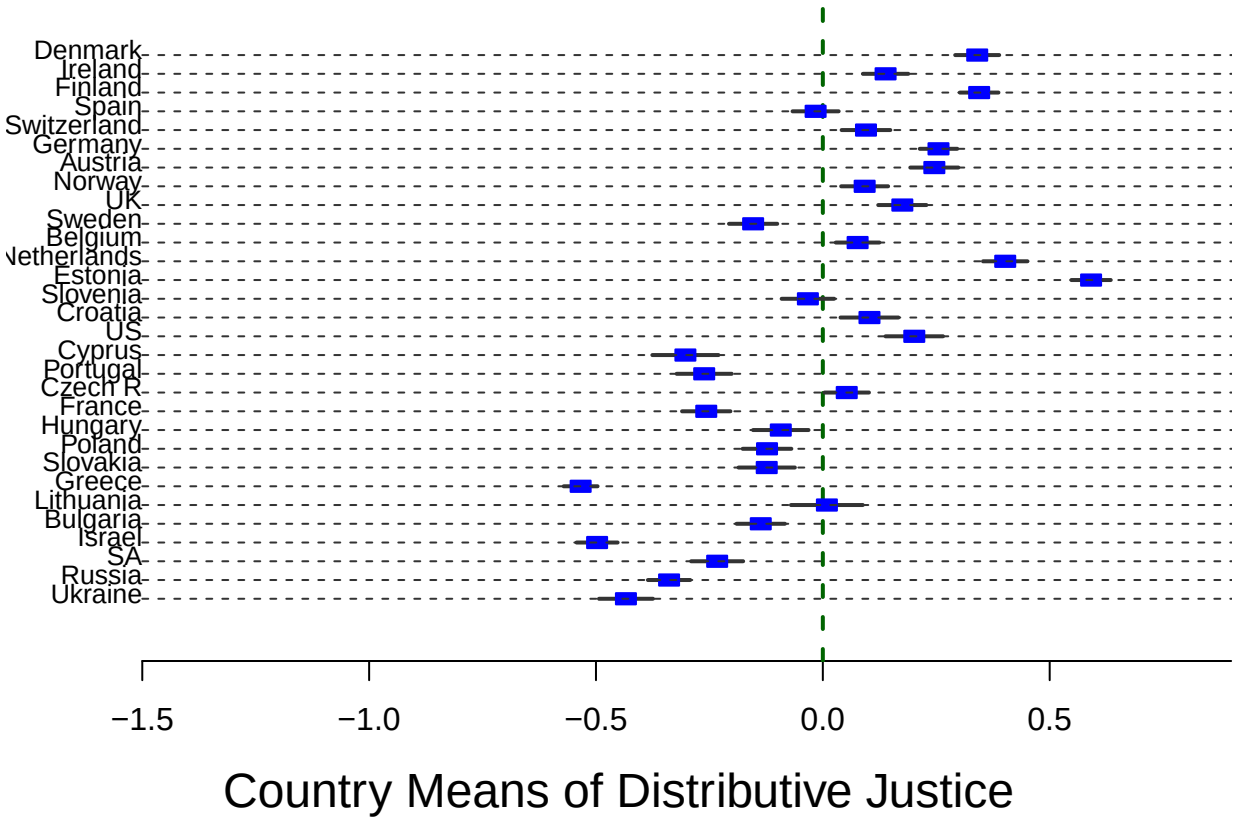
```
## 92   moralid  ~      age   0.001 0.001  1.184  0.236   -0.001    0.004
## 93   moralid  ~   female   0.084 0.037  2.242  0.025    0.011    0.157
## 94   moralid  ~    educ2   0.071 0.076  0.944  0.345   -0.077    0.220
## 95   moralid  ~    educ3   0.194 0.073  2.669  0.008    0.051    0.336
## 96   moralid  ~       pj   0.494 0.030 16.723  0.000    0.436    0.552
## 97   moralid  ~       dj   0.044 0.022  2.034  0.042    0.002    0.087
## 98   moralid  ~     lawf   0.098 0.023  4.258  0.000    0.053    0.143
## 99   moralid  ~      eff   0.248 0.032  7.737  0.000    0.185    0.311
## 100  moralid  ~      foc   0.024 0.022  1.122  0.262   -0.018    0.066
## 101     obey ~~  moralid   0.125 0.015  8.564  0.000    0.096    0.153
## 102     coop ~1            0.282 0.106  2.670  0.008    0.075    0.489
## 103     coop  ~      age   0.006 0.001  4.386  0.000    0.003    0.008
## 104     coop  ~   female  -0.054 0.042 -1.292  0.197   -0.136    0.028
## 105     coop  ~    educ2  -0.066 0.085 -0.779  0.436   -0.234    0.101
## 106     coop  ~    educ3   0.078 0.082  0.950  0.342   -0.083    0.239
## 107     coop  ~       pj   0.146 0.043  3.412  0.001    0.062    0.231
## 108     coop  ~      eff  -0.186 0.039 -4.801  0.000   -0.262   -0.110
## 109     coop  ~      foc  -0.017 0.024 -0.694  0.488   -0.064    0.031
## 110     coop  ~     obey   0.010 0.034  0.290  0.772   -0.057    0.077
## 111     coop  ~  moralid   0.208 0.056  3.689  0.000    0.098    0.319
## 112       dj ~~       dj   0.984 0.035 27.828  0.000    0.915    1.054
## 113     lawf ~~     lawf   0.912 0.033 27.799  0.000    0.848    0.976
## 114      foc ~~      foc   0.807 0.029 27.980  0.000    0.750    0.863
## 115       pj ~~       pj   1.185 0.050 23.830  0.000    1.087    1.282
## 116      eff ~~      eff   0.902 0.040 22.767  0.000    0.825    0.980
## 117     obey ~~     obey   0.498 0.021 24.062  0.000    0.457    0.538
## 118  moralid ~~  moralid   0.285 0.019 14.892  0.000    0.247    0.322
## 119     coop ~~     coop   0.582 0.024 24.665  0.000    0.536    0.629
## 120      age ~~      age 280.059 0.000     NA     NA  280.059  280.059
## 121      age ~~   female   0.003 0.000     NA     NA    0.003    0.003
## 122      age ~~    educ2   0.039 0.000     NA     NA    0.039    0.039
## 123      age ~~    educ3  -0.078 0.000     NA     NA   -0.078   -0.078
## 124   female ~~   female   0.250 0.000     NA     NA    0.250    0.250
## 125   female ~~    educ2   0.008 0.000     NA     NA    0.008    0.008
## 126   female ~~    educ3   0.002 0.000     NA     NA    0.002    0.002
## 127    educ2 ~~    educ2   0.210 0.000     NA     NA    0.210    0.210
## 128    educ2 ~~    educ3  -0.186 0.000     NA     NA   -0.186   -0.186
## 129    educ3 ~~    educ3   0.236 0.000     NA     NA    0.236    0.236
## 130      age ~1           50.013 0.000     NA     NA   50.013   50.013
## 131   female ~1            0.496 0.000     NA     NA    0.496    0.496
## 132    educ2 ~1            0.300 0.000     NA     NA    0.300    0.300
## 133    educ3 ~1            0.620 0.000     NA     NA    0.620    0.620
```

```
## Plots:
### Country means:

country.estimates <- coop.estimates$country.means

plot.colours <-  meta.colors(box="blue", lines="gray20",zero="darkgreen", text="black", axes="black")
par.orig <- par(mar=c(5,.1,.1,.5))
country.font.size <- .85
order.use <- order(country.estimates$pj.mean,decreasing = T)
xl.tmp <- c(-1.2,.8)
```

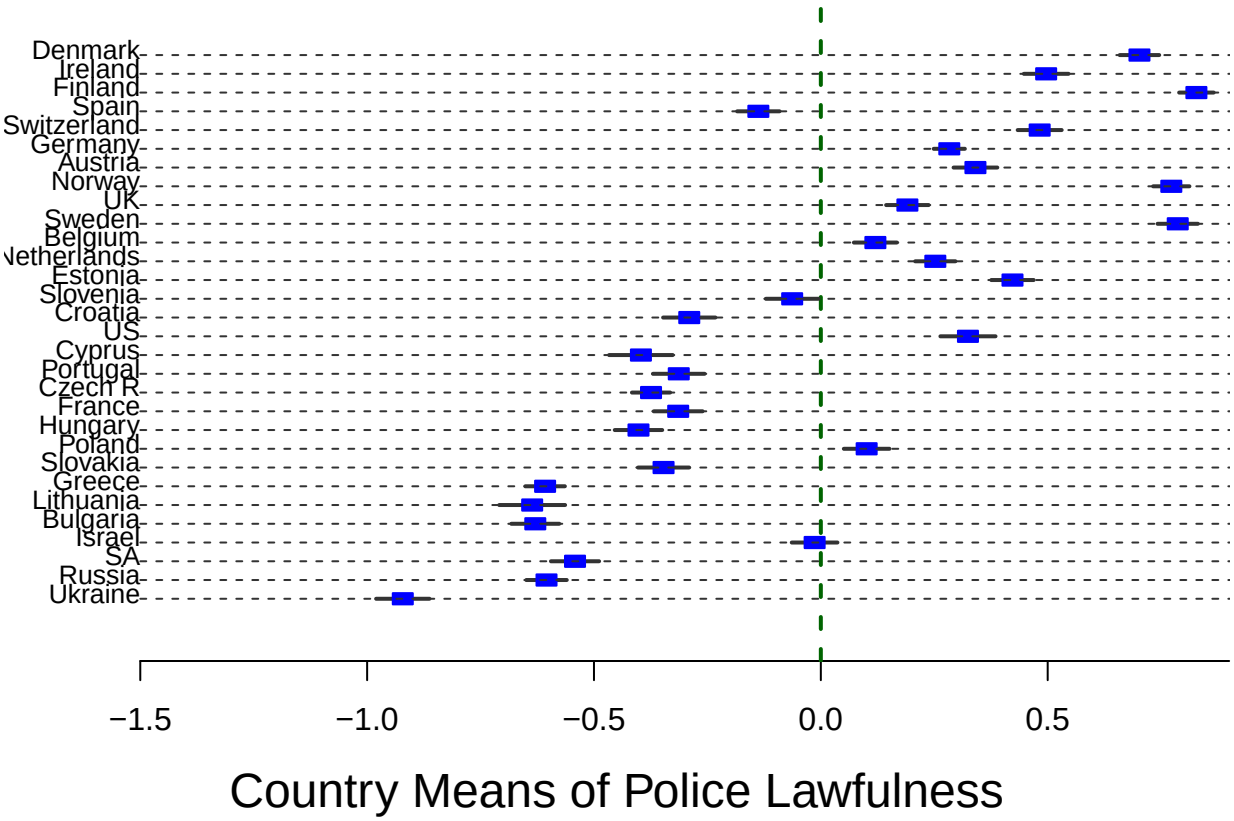
```
pj.means <- get.estimates(lhs="pj",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(pj.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.lab=1
                          xlab="Country Means of Procedural Justice",colors=plot.colours,xlim=xl.tmp)
```



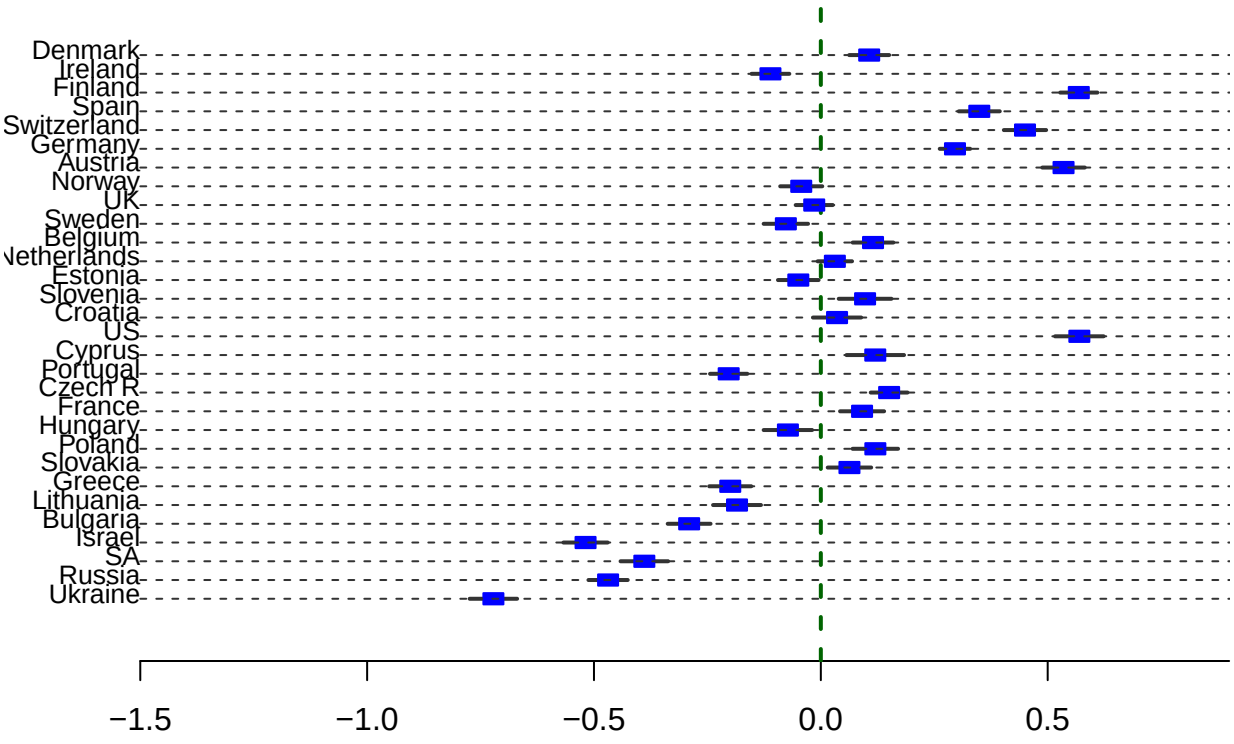

```
dj.means <- get.estimates(lhs="dj",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(dj.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.lab=1
                          xlab="Country Means of Distributive Justice",colors=plot.colours,xlim=xl.tmp)
```



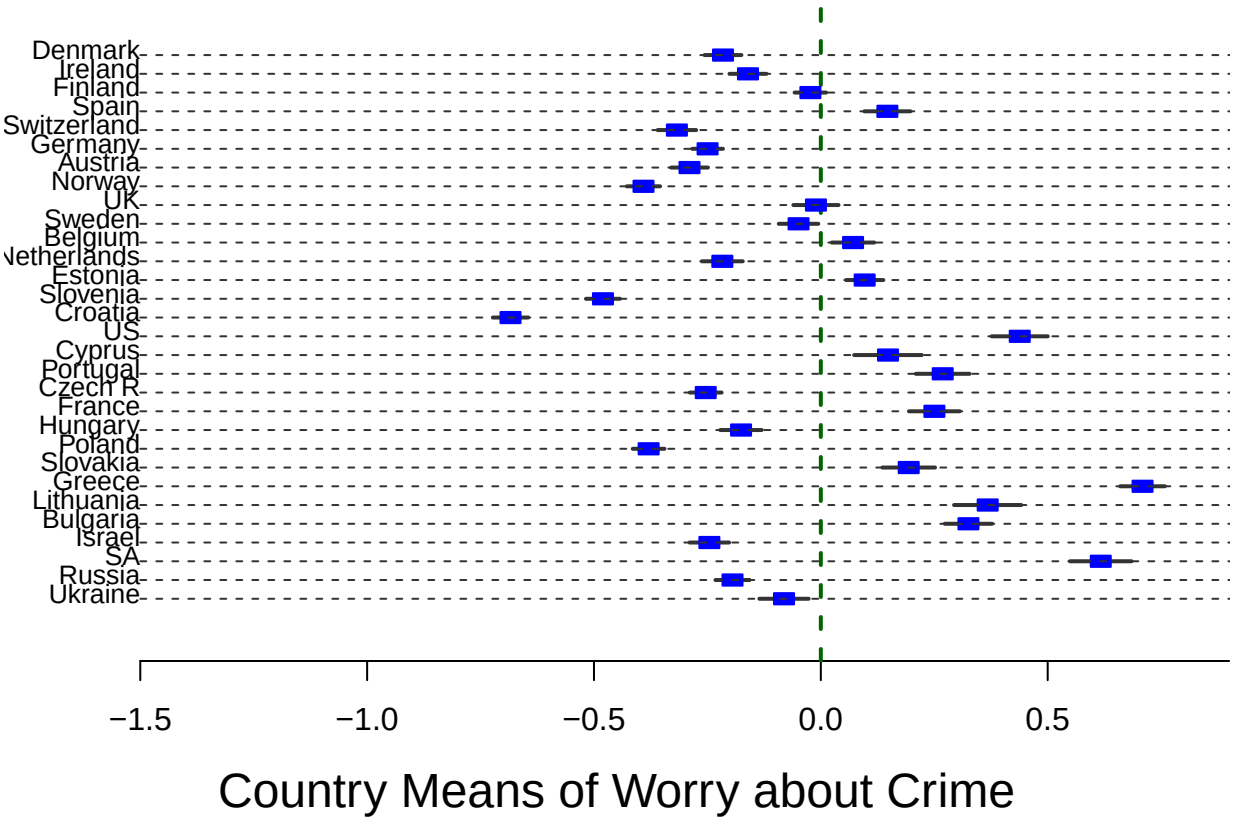

```
lawf.means <- get.estimates(lhs="lawf",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(lawf.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.lab=
                          xlab="Country Means of Police Lawfulness",colors=plot.colours,xlim=xl.tmp)
```



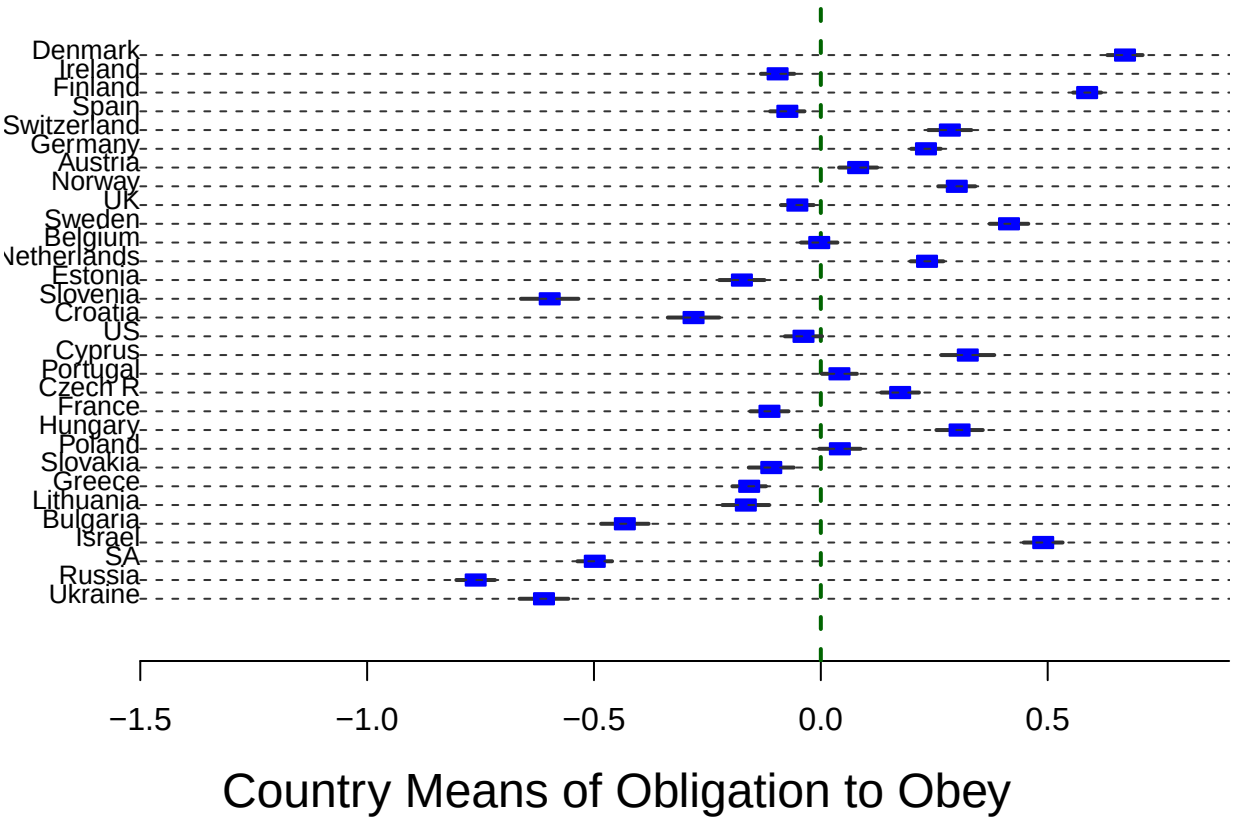

```
eff.means <- get.estimates(lhs="eff",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(eff.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.lab=
                          xlab="Country Means of Police Effectiveness",colors=plot.colours,xlim=xl.tmp)
```



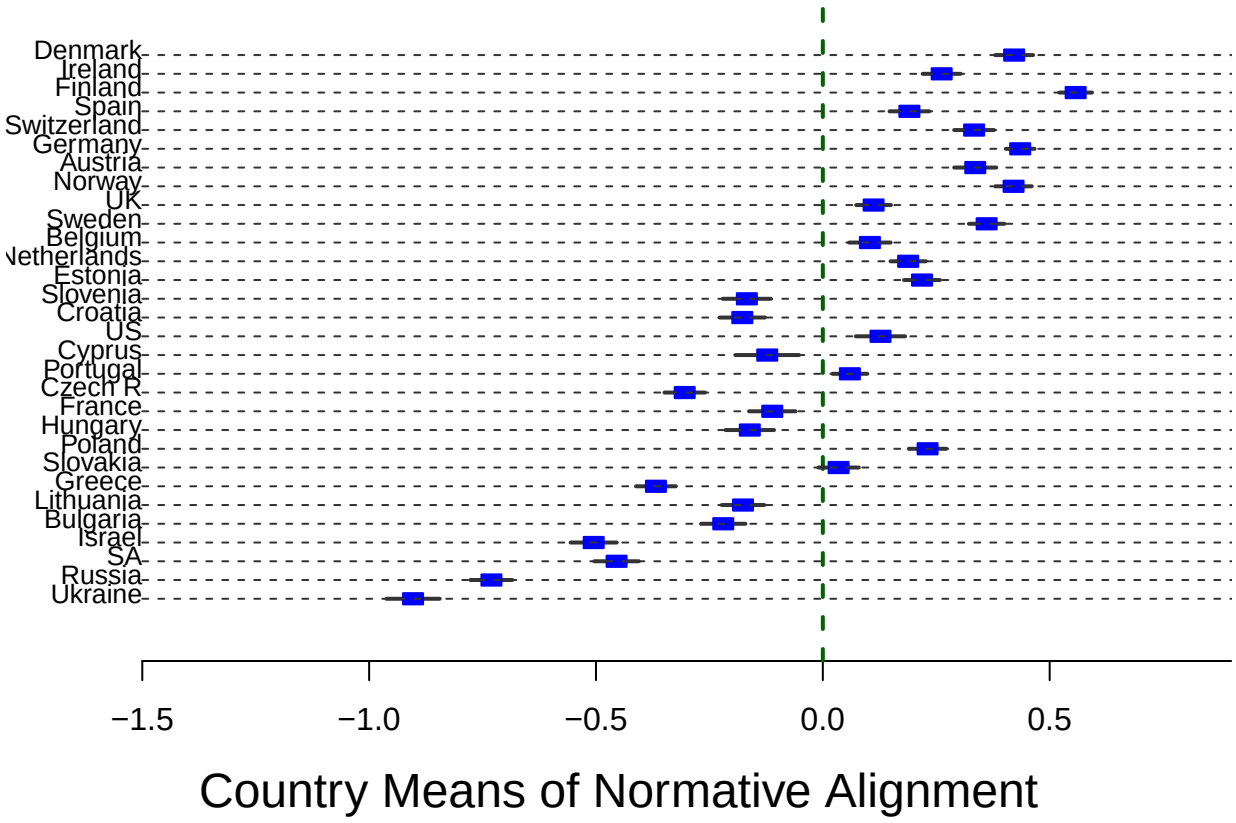

```
foc.means <- get.estimates(lhs="foc",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(foc.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.lab=
                          xlab="Country Means of Worry about Crime",colors=plot.colours,xlim=xl.tmp)
```



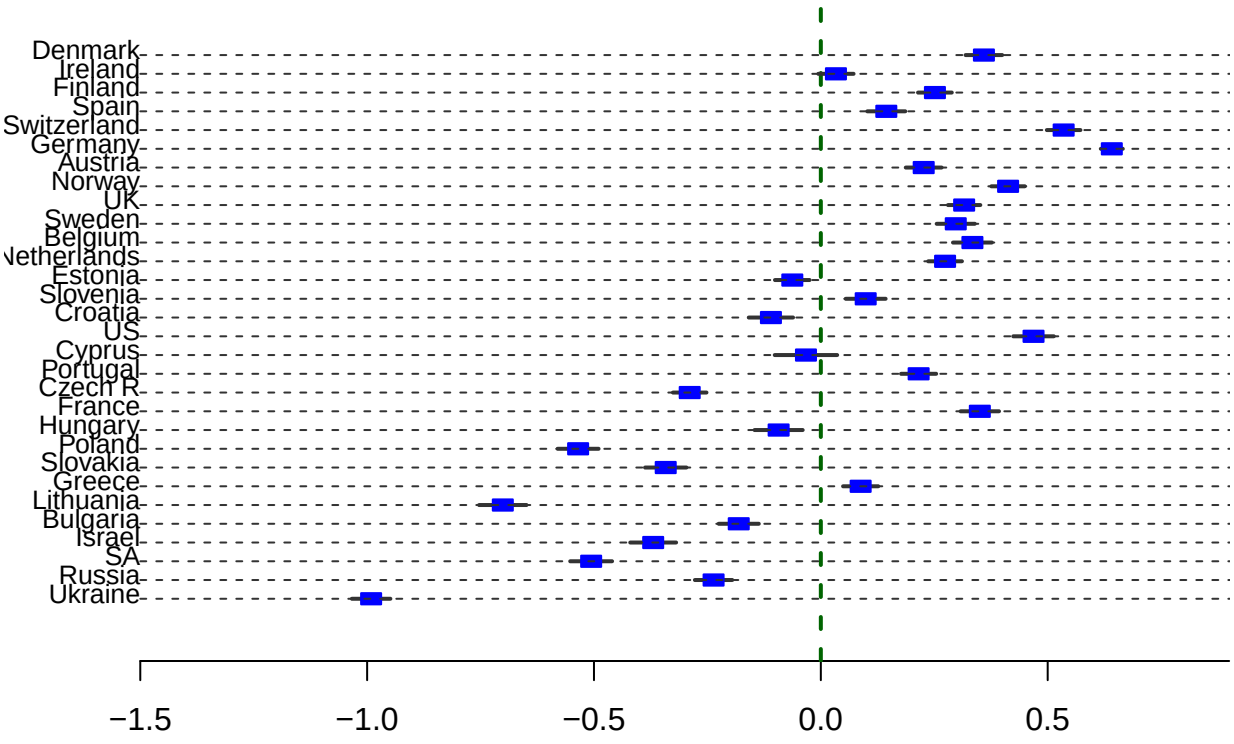

```
obey.means <- get.estimates(lhs="obey",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(obey.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.lab=
                          xlab="Country Means of Obligation to Obey",colors=plot.colours,xlim=xl.tmp)
```




```
moralid.means <- get.estimates(lhs="moralid",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(moralid.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.l
                          xlab="Country Means of Normative Alignment",colors=plot.colours,xlim=xl.tmp)
```

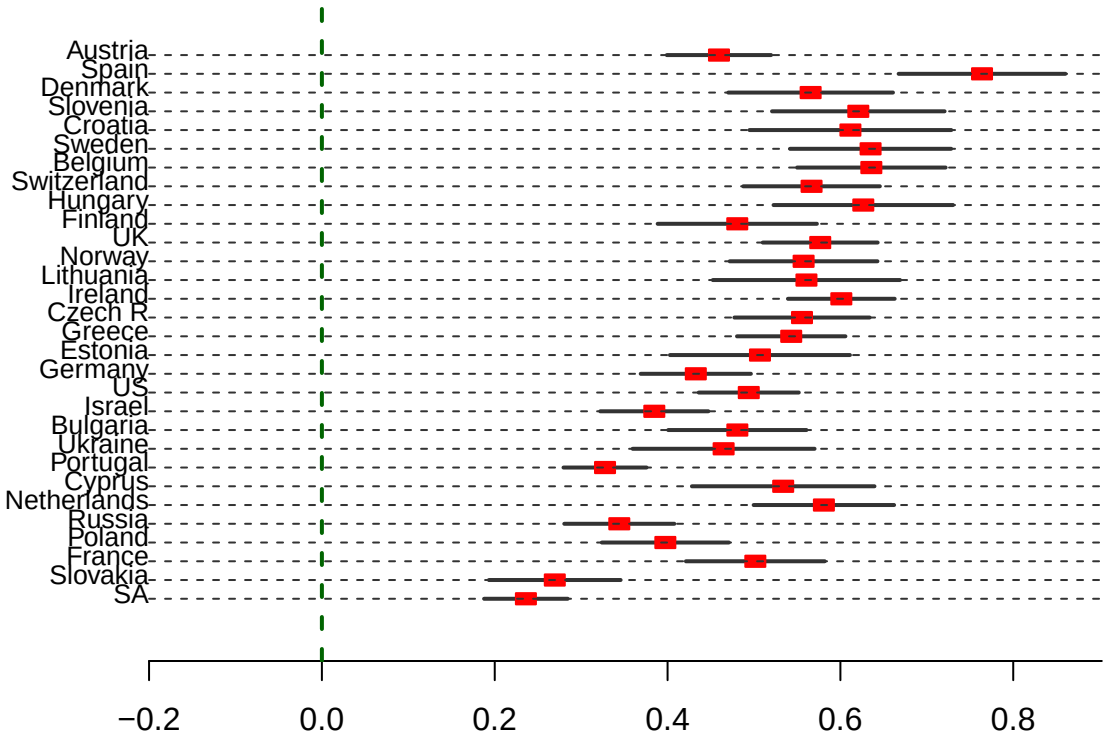



```
coop.means <- get.estimates(lhs="coop",op="country.means",estimates=country.estimates)
o.tmp <- caterpillar.plot(coop.means,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,cex.lab=
                          xlab="Country Means of Cooperation",colors=plot.colours,xlim=xl.tmp)
```



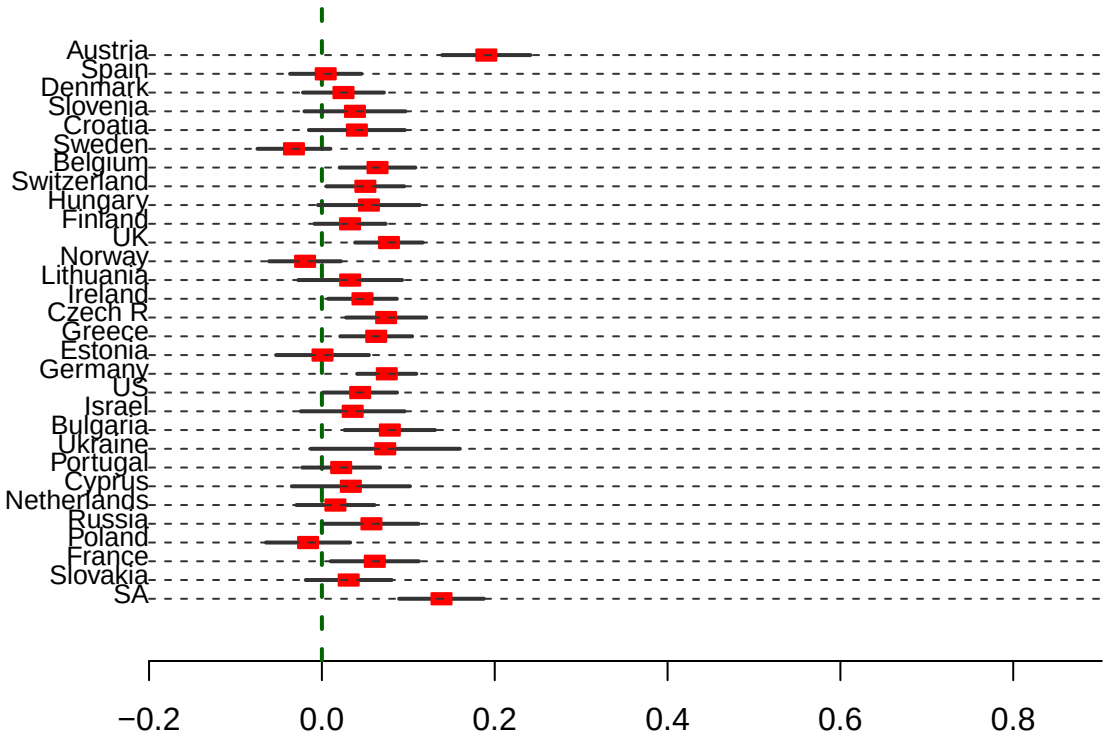
Country Means of Cooperation

```
par(par.orig)

### Regression coefficients

plot.colours <-  meta.colors(box="red", lines="gray20",zero="darkgreen", text="black", axes="black")
country.font.size <- .85

#### Response: normative alignment
# Country order: Decreasing order order of the ratio of normative vs. instrumental coefficients,
# for this response variable/
d.tmp <- abs(coop.estimates$sem.coefs[,-1])
order.use <- ((d.tmp$moralid.ON.pj+d.tmp$moralid.ON.dj+d.tmp$moralid.ON.lawf)/3)/
  ((d.tmp$moralid.ON.eff+d.tmp$moralid.ON.foc)/2)
order.use <- order(order.use,decreasing=T)
xl.tmp <- c(-.2,.85)
par.orig <- par(mar=c(5,.1,.1,.5))

moralid.on.pj <- get.estimates(lhs="moralid",rhs="pj")
o.tmp <- caterpillar.plot(moralid.on.pj, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          cex.lab=1.5,xlim=xl.tmp,hadj=1,
                          xlab="",colors=plot.colours)
title(xlab="Coefficient of Procedural Justice (Response: Normative Alignment)",adj=1,cex.lab=1.5)
```



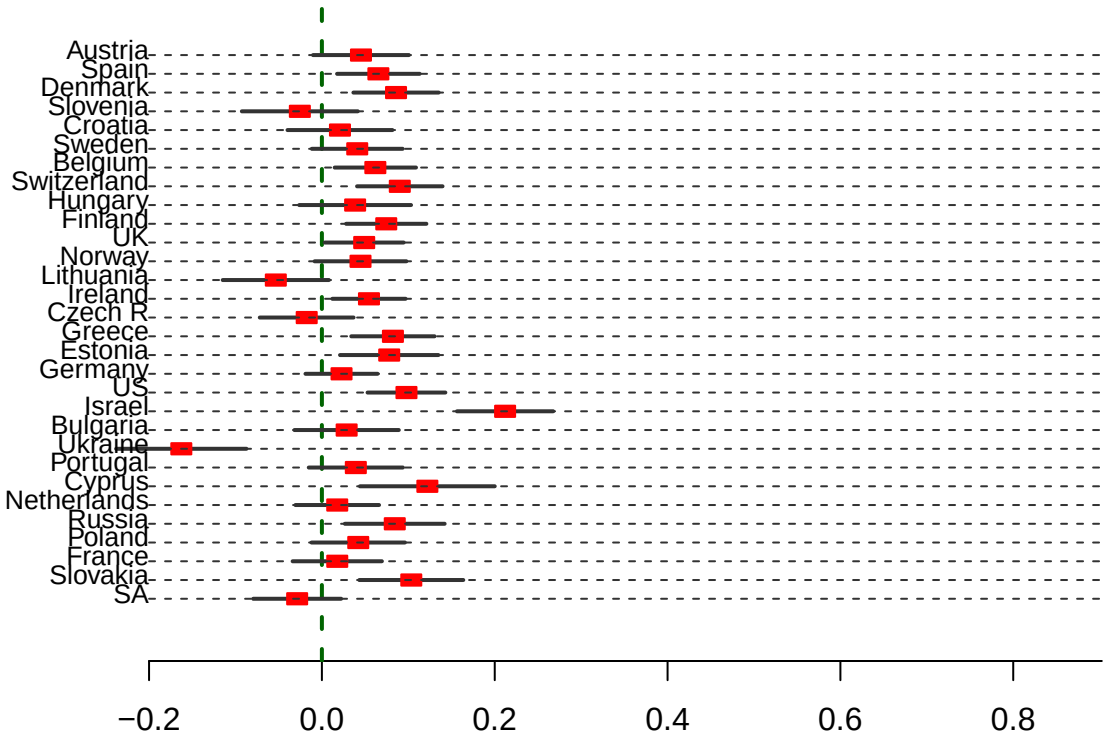
nt of Procedural Justice (Response: Normative Alignment)

```
moralid.on.dj <- get.estimates(lhs="moralid",rhs="dj")
o.tmp <- caterpillar.plot(moralid.on.dj, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          cex.lab=1.5,xlim=xl.tmp,
                          xlab="",colors=plot.colours)
title(xlab="Coefficient of Distributive Justice (Response: Normative Alignment)",adj=1,cex.lab=1.5)
```



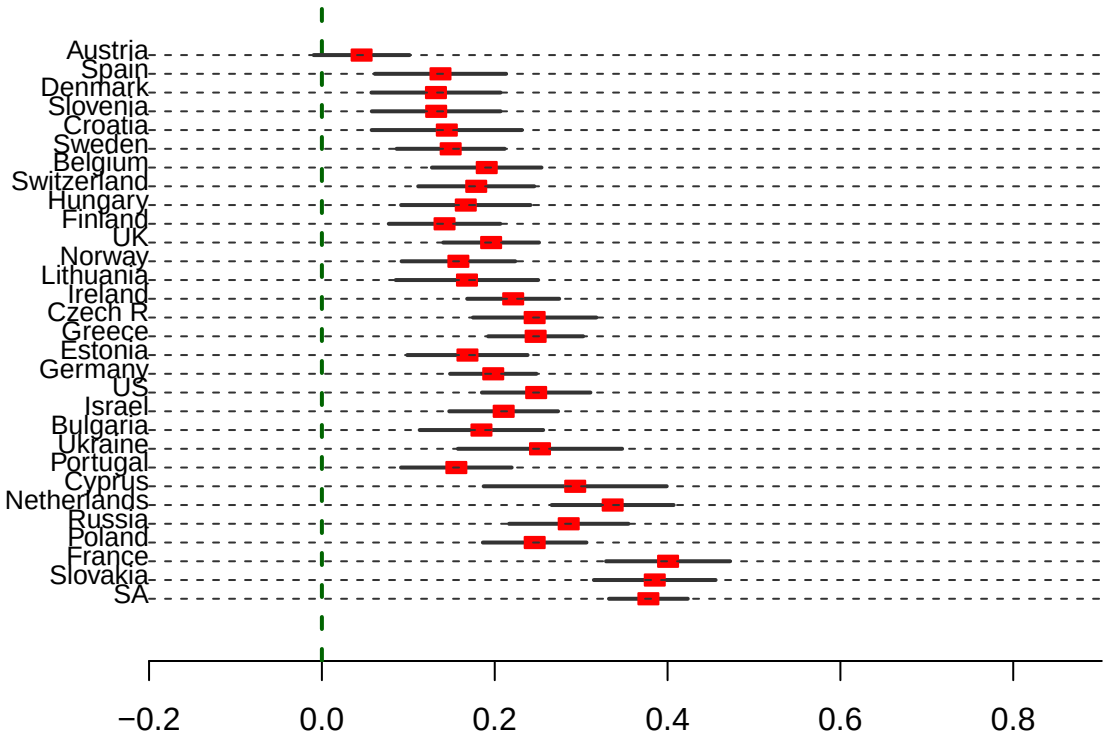
ıt of Distributive Justice (Response: Normative Alignment)

```
moralid.on.lawful <- get.estimates(lhs="moralid",rhs="lawf")
o.tmp <- caterpillar.plot(moralid.on.lawful, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size
                          cex.lab=1.5,xlim=xl.tmp,
                          xlab="",colors=plot.colours)
title(xlab="Coefficient of Lawfulness (Response: Normative Alignment)",adj=1,cex.lab=1.5)
```



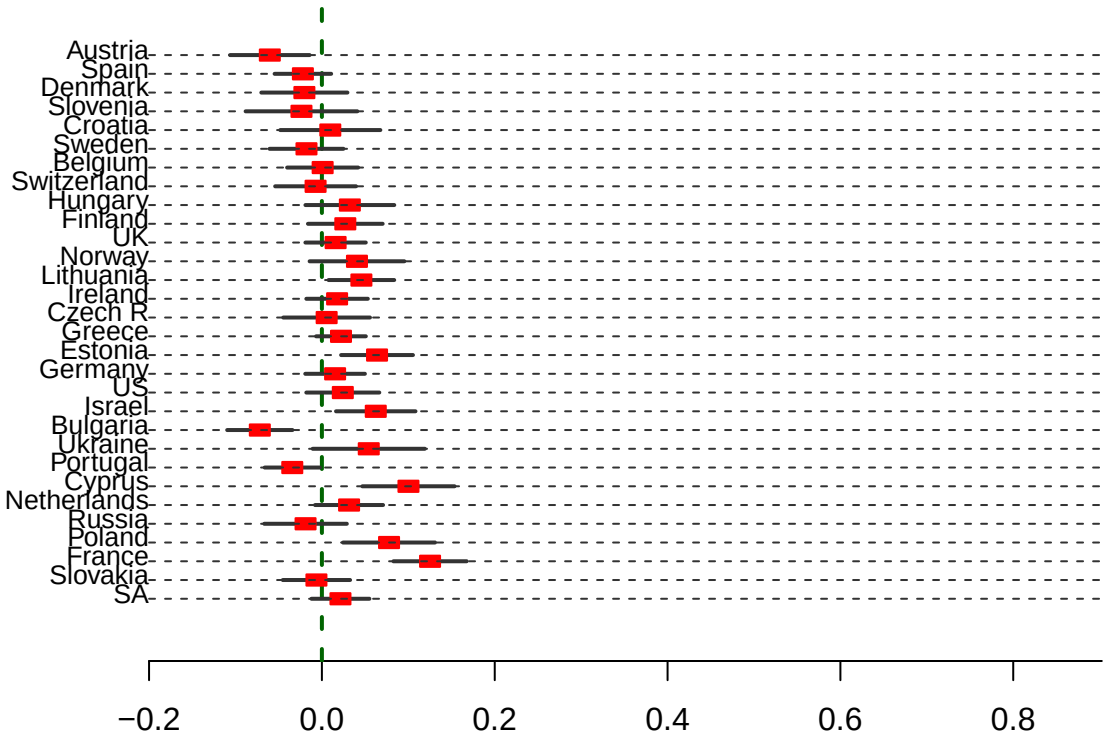
oefficient of Lawfulness (Response: Normative Alignment)

```
moralid.on.eff <- get.estimates(lhs="moralid",rhs="eff")
o.tmp <- caterpillar.plot(moralid.on.eff, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          cex.lab=1.5,xlim=xl.tmp,
                          xlab="",colors=plot.colours)
title(xlab="Coefficient of Effectiveness (Response: Normative Alignment)",adj=1,cex.lab=1.5)
```



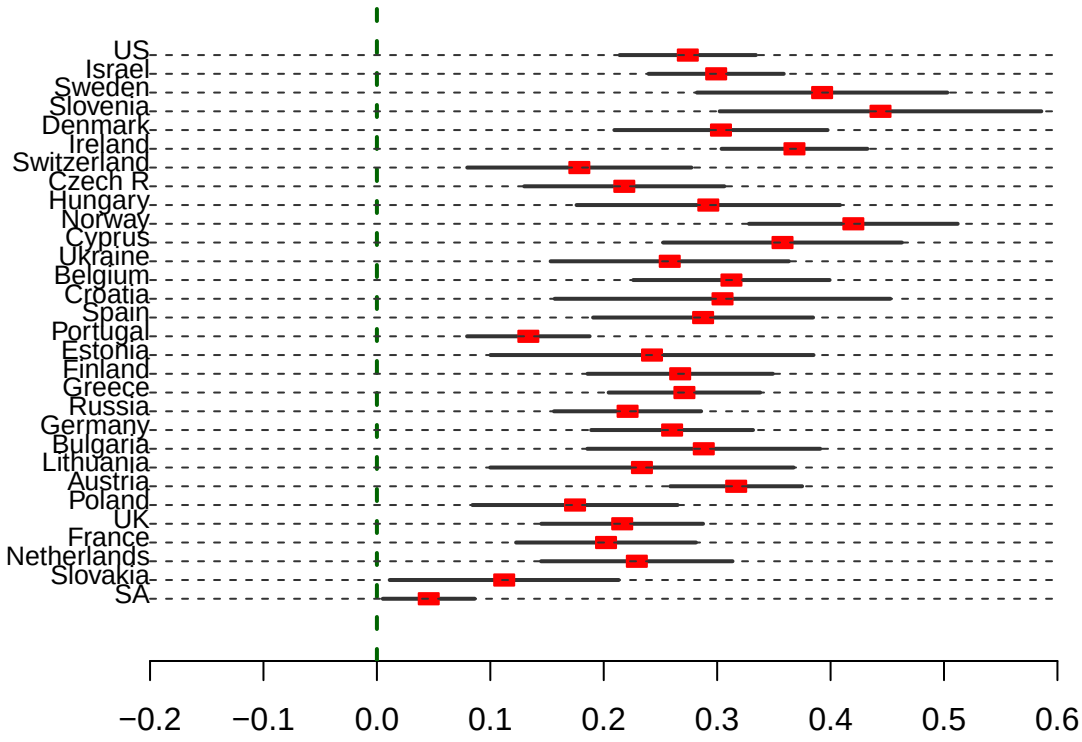
fficient of Effectiveness (Response: Normative Alignment)

```
moralid.on.foc <- get.estimates(lhs="moralid",rhs="foc")
o.tmp <- caterpillar.plot(moralid.on.foc, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          cex.lab=1.5,xlim=xl.tmp,
                          xlab="",colors=plot.colours)
title(xlab="Coefficient of Fear of Crime (Response: Normative Alignment)",adj=1,cex.lab=1.5)
```



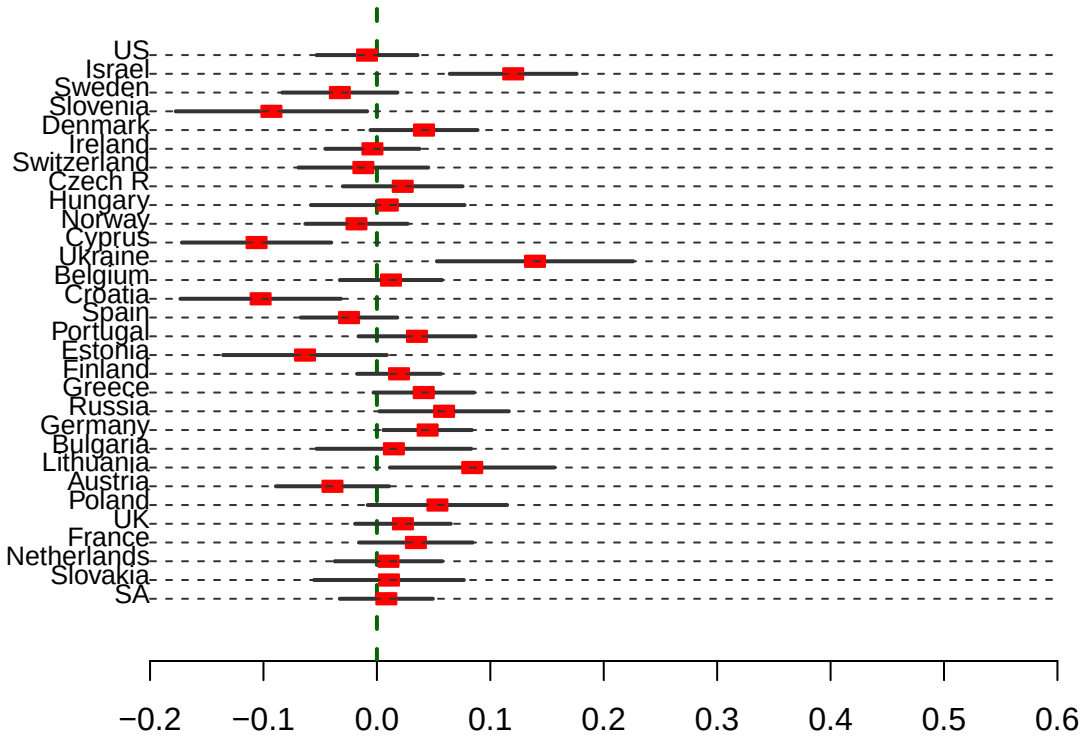
fficient of Fear of Crime (Response: Normative Alignment)

```
par(par.orig)

#### Response: obligation to obey
# Country order: Decreasing order order of the ratio of normative vs. instrumental coefficients,
# for this response variable/
d.tmp <- abs(coop.estimates$sem.coefs[,-1])
order.use <- ((d.tmp$obey.ON.pj+d.tmp$obey.ON.dj+d.tmp$obey.ON.lawf)/3)/
  ((d.tmp$obey.ON.eff+d.tmp$obey.ON.foc)/2)
order.use <- order(order.use,decreasing=T)
xl.tmp <- c(-.2,.6)
par.orig <- par(mar=c(5,.1,.1,.5))

obey.on.pj <- get.estimates(lhs="obey",rhs="pj")
o.tmp <- caterpillar.plot(obey.on.pj,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Procedural Justice (Response: Obligation to Obey)",adj=1,cex.lab=1.5)
```



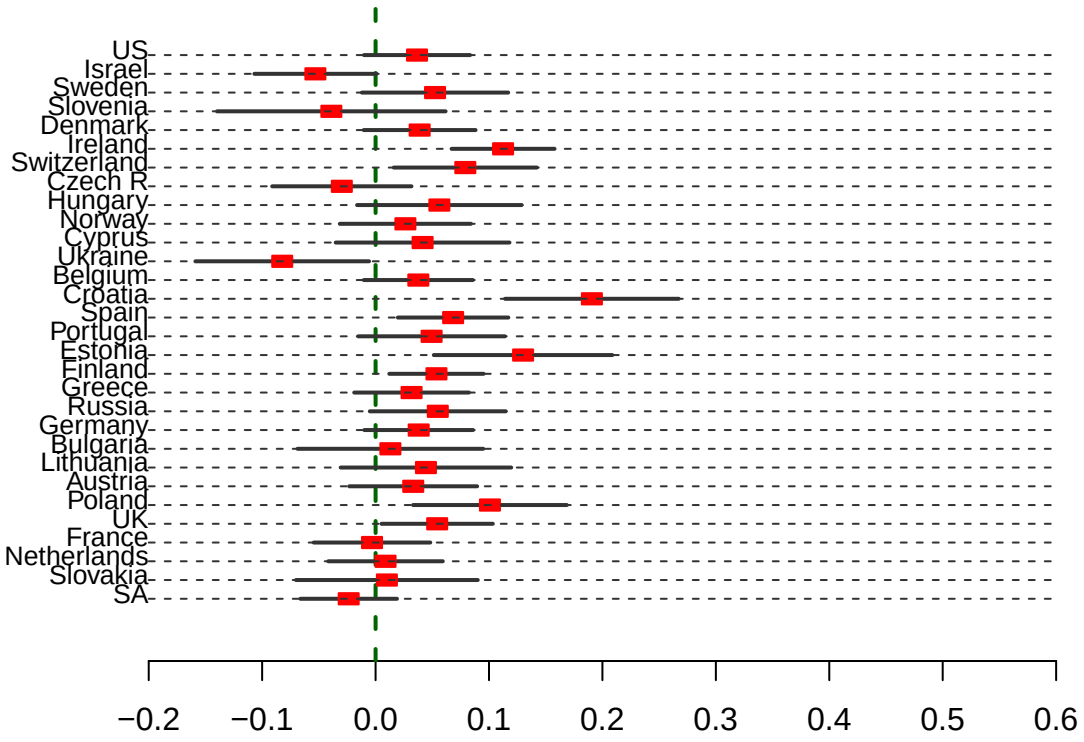
ːient of Procedural Justice (Response: Obligation to Obey)

```
obey.on.dj <- get.estimates(lhs="obey",rhs="dj")
o.tmp <- caterpillar.plot(obey.on.dj, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Distributive Justice (Response: Obligation to Obey)",adj=1,cex.lab=1.5)
```



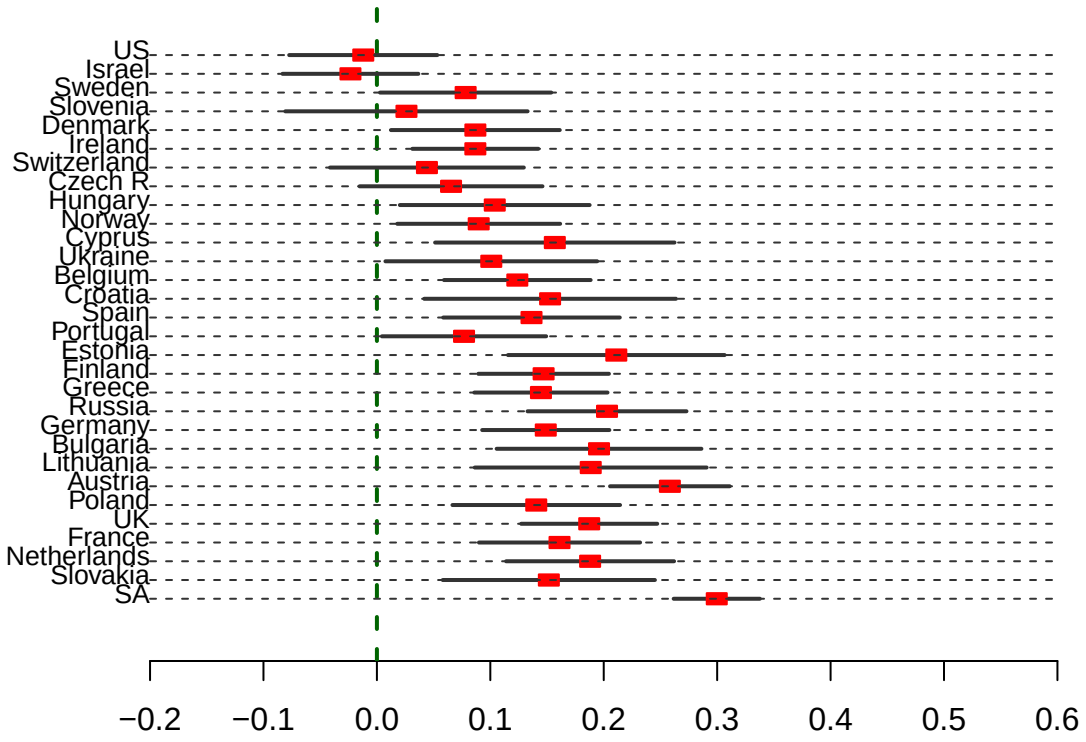
ient of Distributive Justice (Response: Obligation to Obey)

```
obey.on.lawful <- get.estimates(lhs="obey",rhs="lawf")
o.tmp <- caterpillar.plot(obey.on.lawful, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Lawfulness (Response: Obligation to Obey)",adj=1,cex.lab=1.5)
```



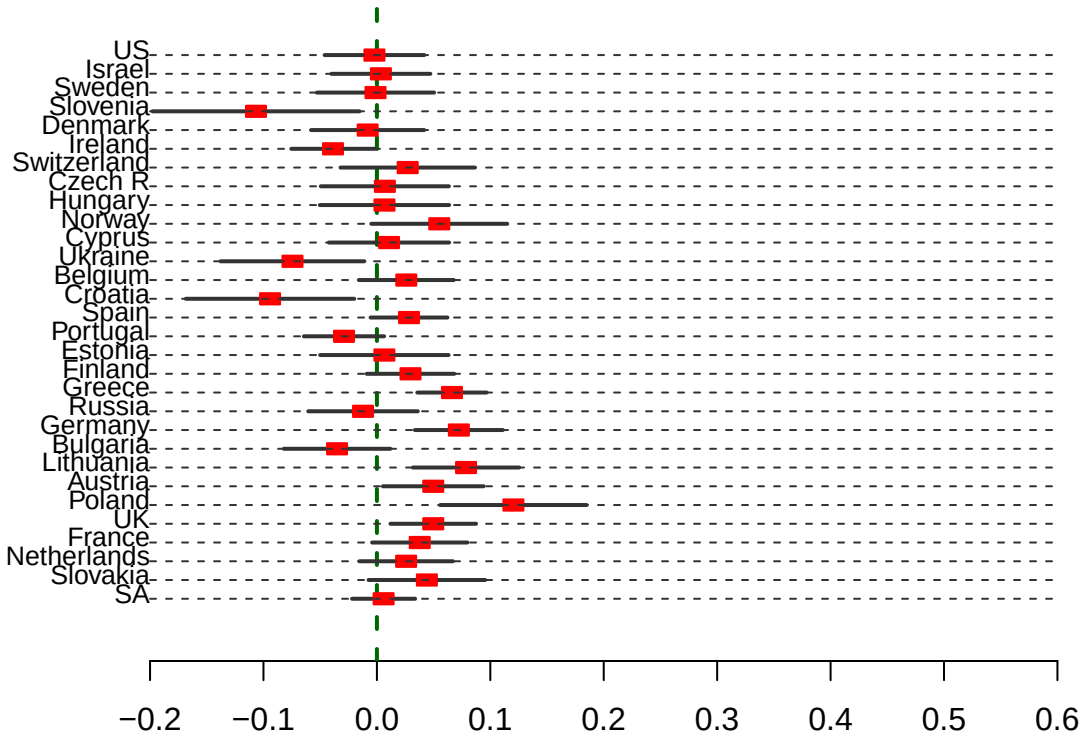
Coefficient of Lawfulness (Response: Obligation to Obey)

```
obey.on.eff <- get.estimates(lhs="obey",rhs="eff")
o.tmp <- caterpillar.plot(obey.on.eff, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Effectiveness (Response: Obligation to Obey)",adj=1,cex.lab=1.5)
```



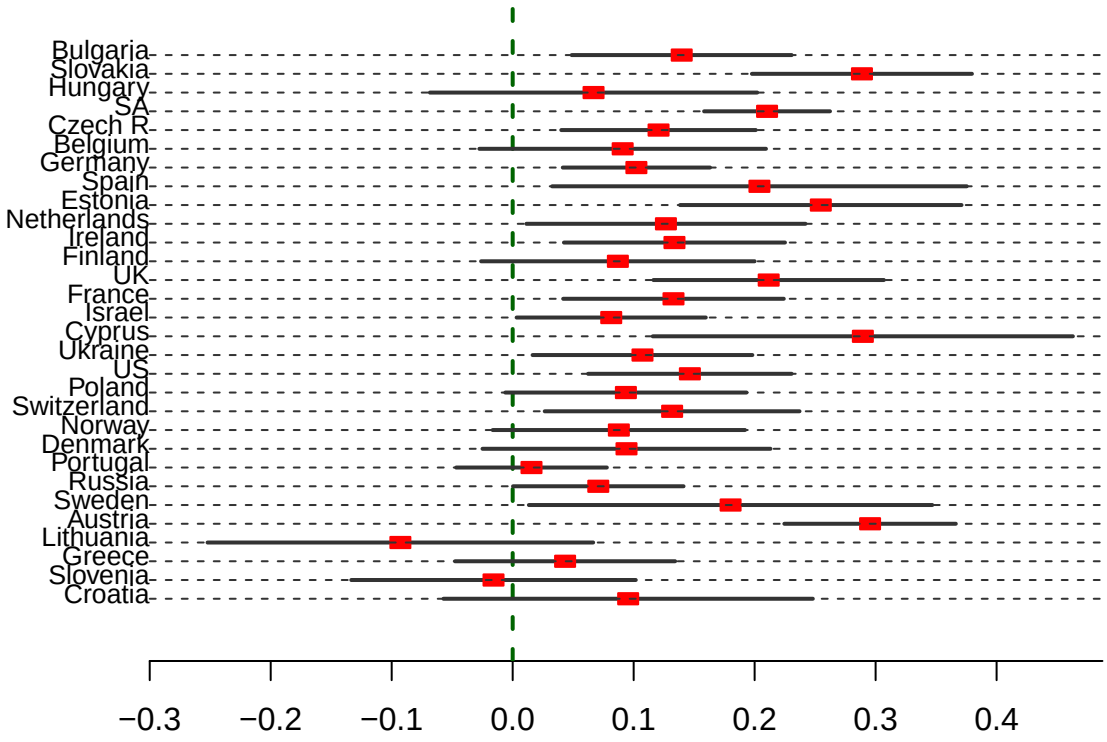
oefficient of Effectiveness (Response: Obligation to Obey)

```
obey.on.foc <- get.estimates(lhs="obey",rhs="foc")
o.tmp <- caterpillar.plot(obey.on.foc, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Fear of Crime (Response: Obligation to Obey)",adj=1,cex.lab=1.5)
```



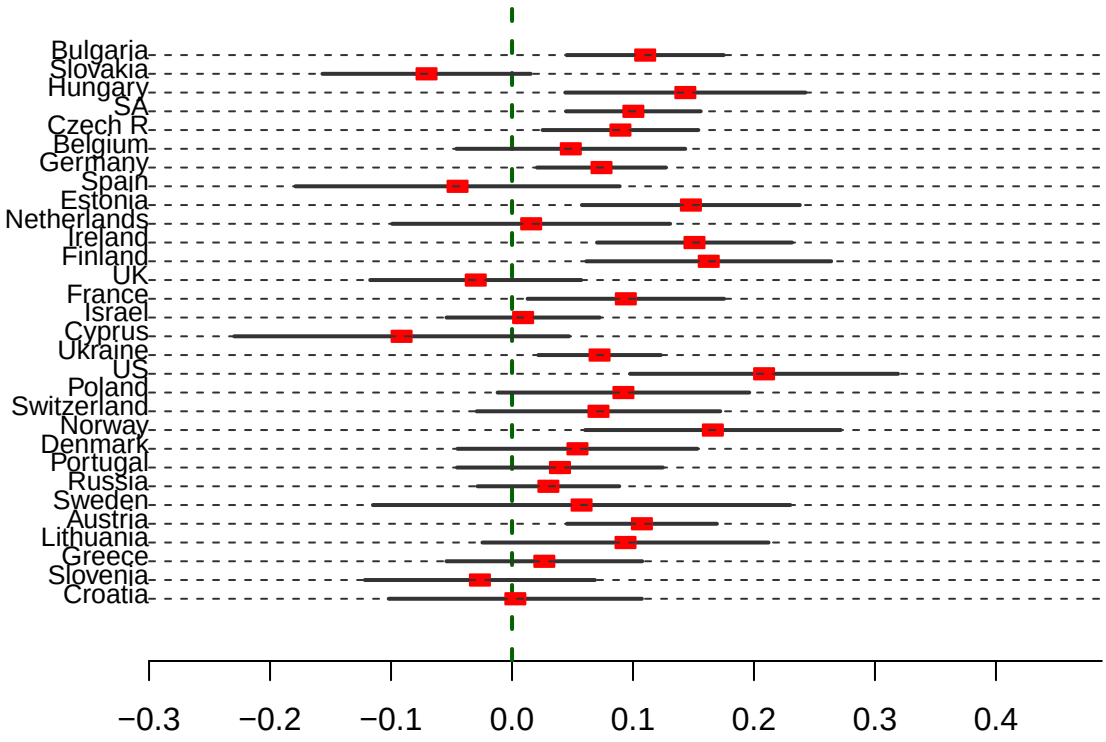
oefficient of Fear of Crime (Response: Obligation to Obey)

```
par(par.orig)

#### Response: willingness to cooperate
# Country order: Decreasing order order of the ratio of normative vs. instrumental coefficients,
# for this response variable/
d.tmp <- abs(coop.estimates$sem.coefs[,-1])
order.use <- ((d.tmp$coop.ON.pj+d.tmp$coop.ON.moralid+d.tmp$coop.ON.obey)/3)/
  ((d.tmp$coop.ON.eff+d.tmp$coop.ON.foc)/2)
order.use <- order(order.use,decreasing=T)
xl.tmp <- c(-.3,.45)
par.orig <- par(mar=c(5,.1,.1,.5))

coop.on.pj <- get.estimates(lhs="coop",rhs="pj")
o.tmp <- caterpillar.plot(coop.on.pj,order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
  xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Procedural justice (Response: Cooperation)",adj=1,cex.lab=1.5)
```



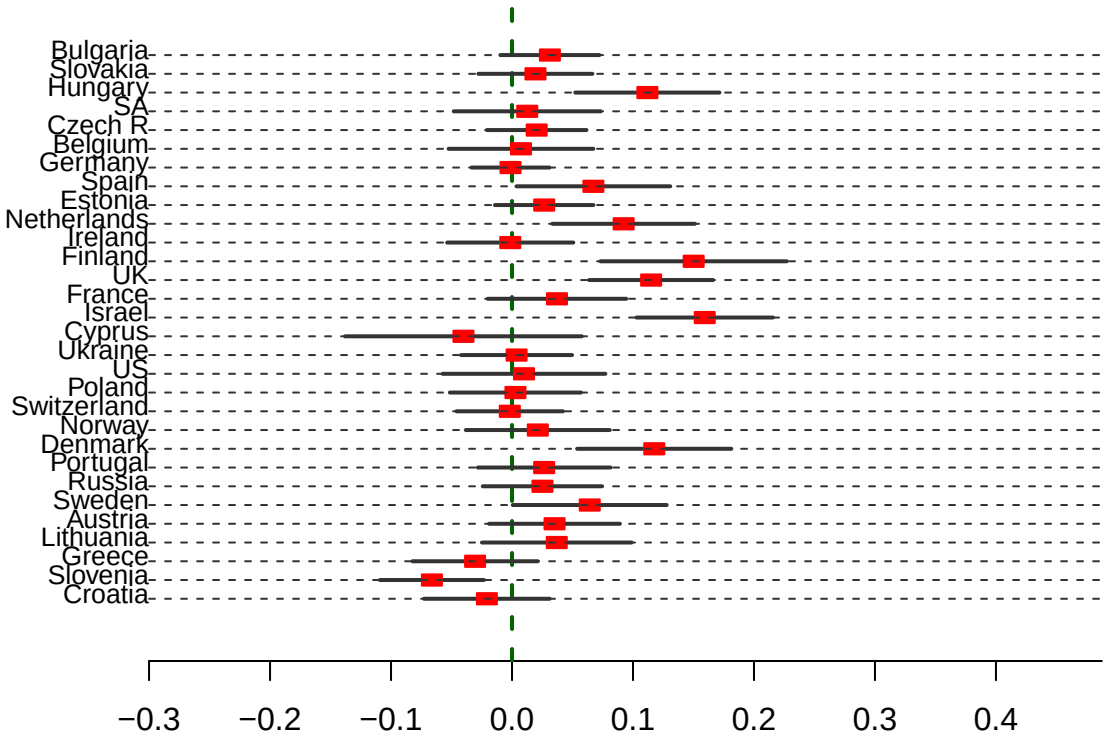
Coefficient of Procedural justice (Response: Cooperation)

```
coop.on.moralid <- get.estimates(lhs="coop",rhs="moralid")
o.tmp <- caterpillar.plot(coop.on.moralid, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Normative Alignment (Response: Cooperation)",adj=1,cex.lab=1.5)
```



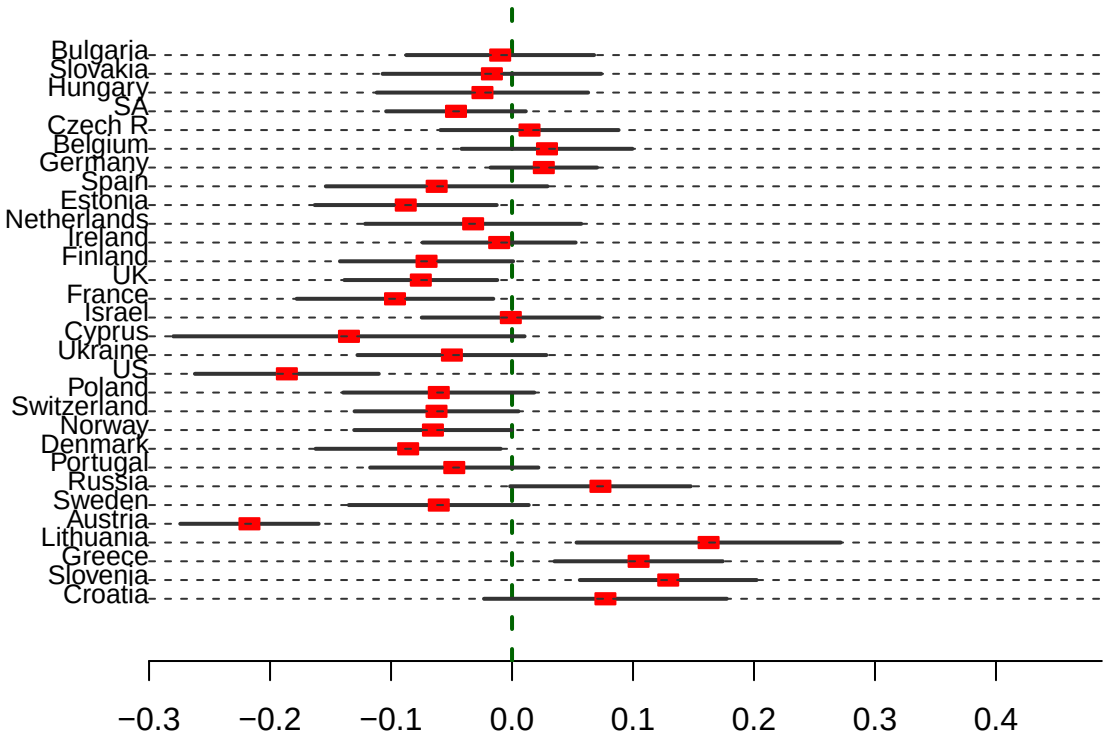
efficient of Normative Alignment (Response: Cooperation)

```
coop.on.obey <- get.estimates(lhs="coop",rhs="obey")
o.tmp <- caterpillar.plot(coop.on.obey, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Obligation to Obey (Response: Cooperation)",adj=1,cex.lab=1.5)
```



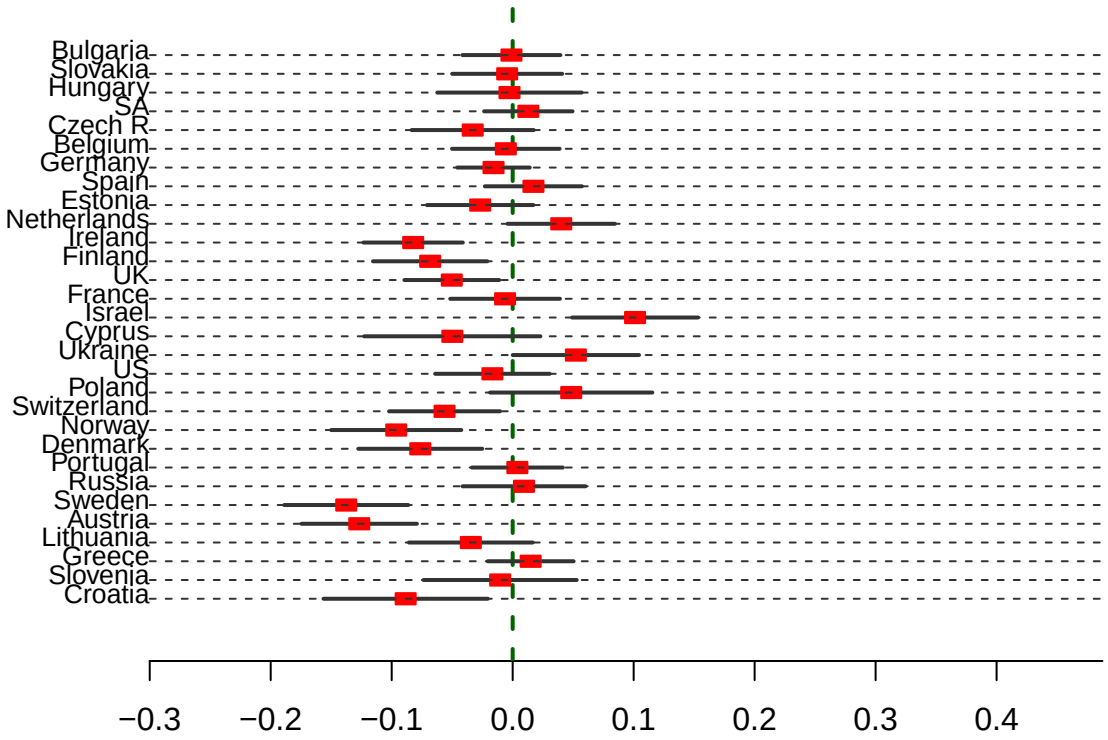
Coefficient of Obligation to Obey (Response: Cooperation)

```
coop.on.eff <- get.estimates(lhs="coop",rhs="eff")
o.tmp <- caterpillar.plot(coop.on.eff, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Effectiveness (Response: Cooperation)",adj=1,cex.lab=1.5)
```



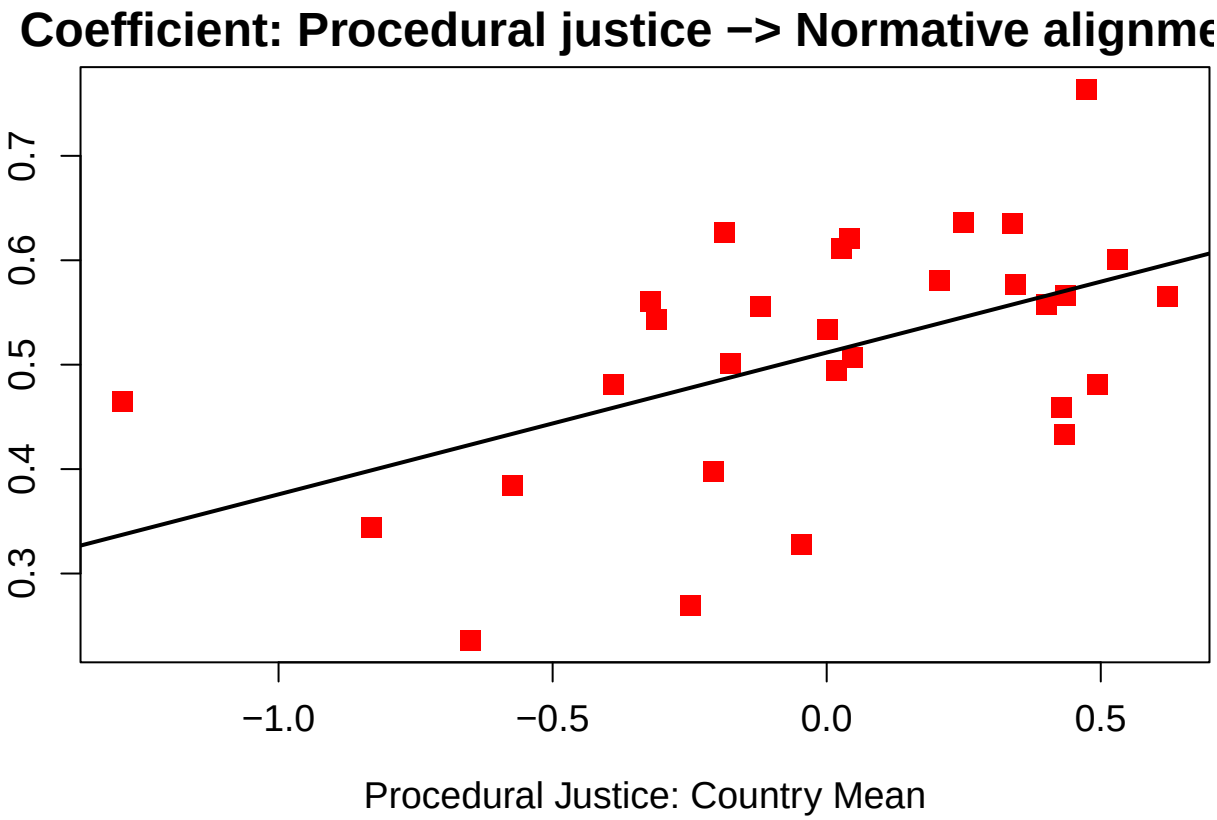
Coefficient of Effectiveness (Response: Cooperation)

```
coop.on.foc <- get.estimates(lhs="coop",rhs="foc")
o.tmp <- caterpillar.plot(coop.on.foc, order.rows=order.use,ylab="",ygrid=T,cex=country.font.size,
                          xlab="",colors=plot.colours,xlim=xl.tmp,cex.lab=1.5)
title(xlab="Coefficient of Fear of Crime (Response: Cooperation)",adj=1,cex.lab=1.5)
```

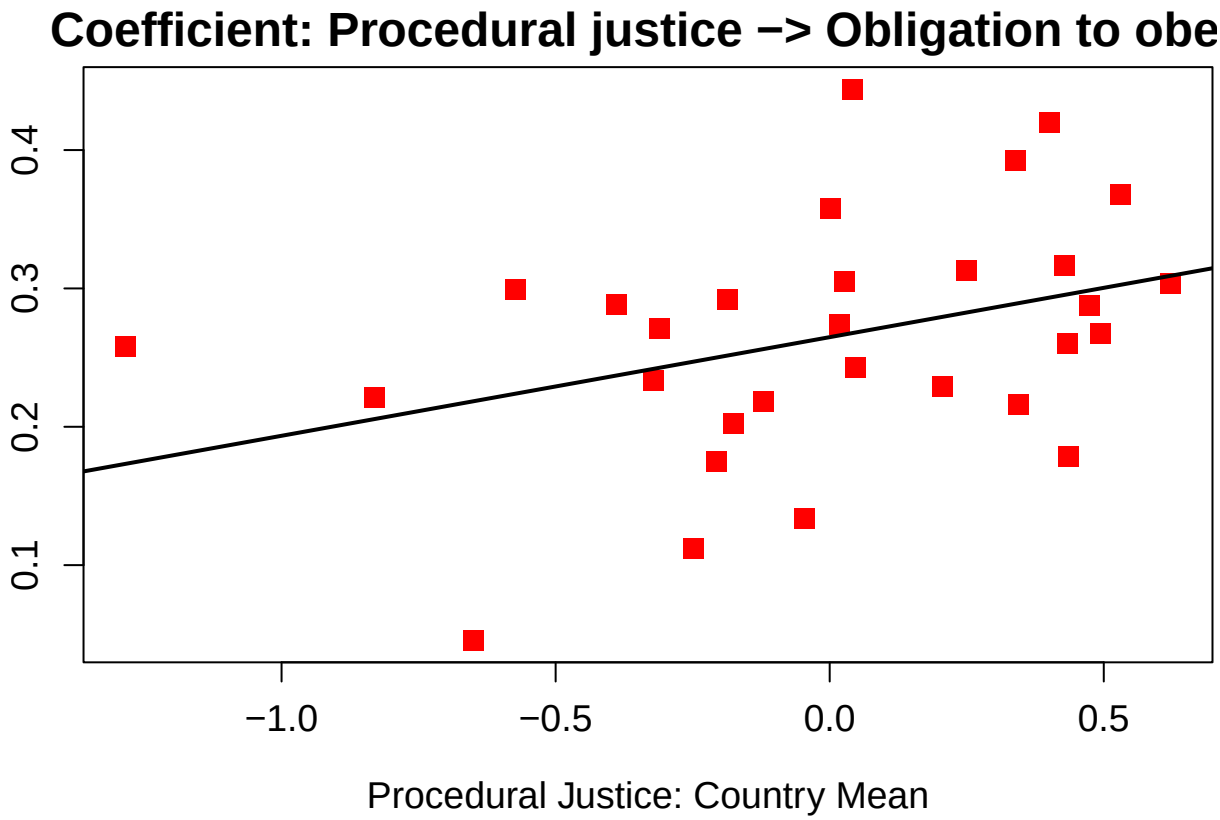


Coefficient of Fear of Crime (Response: Cooperation)

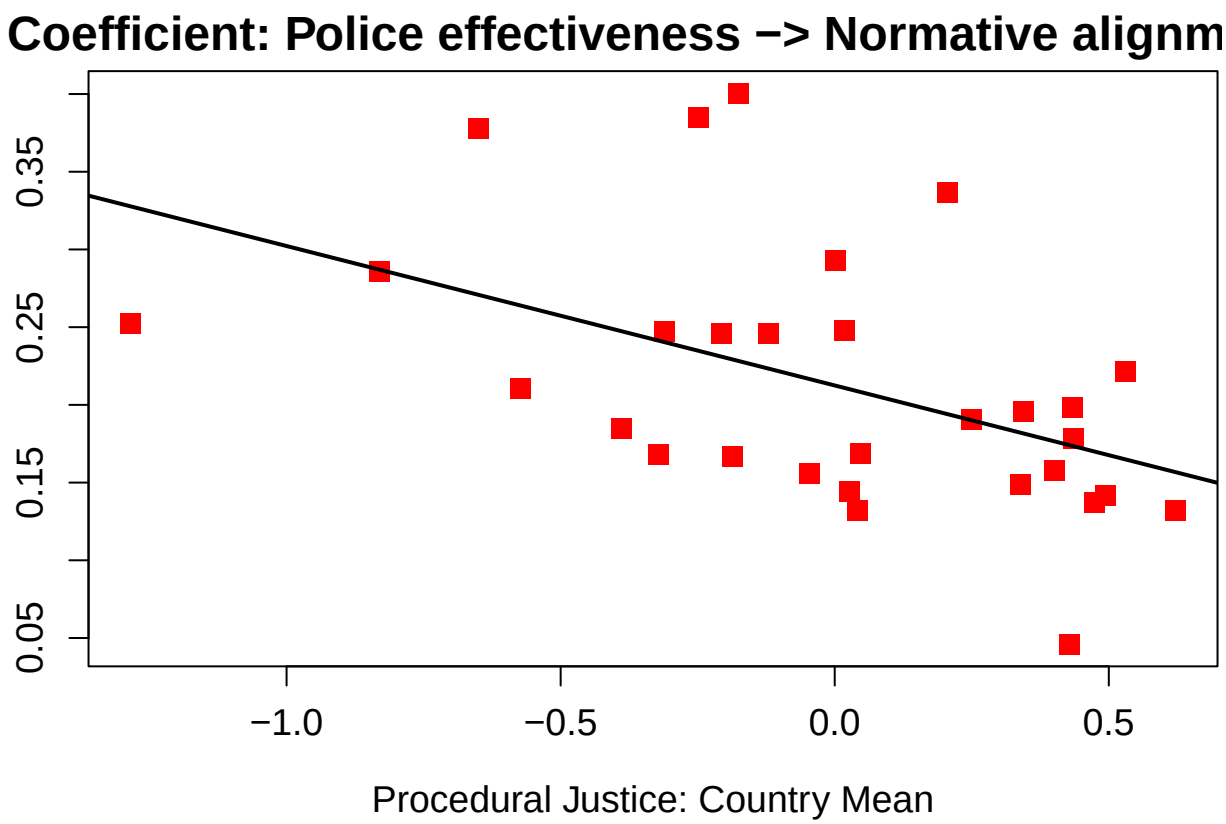
```
par(par.orig)
##########
# Scatterplots of some country means vs regression coefficients

par(mar=c(5,3,2,.1),yaxt="s")
ess.scatterplot <- function (xdat,ydat,xlab=NULL,ylab=NULL,col="red",...){
  x <- xdat$est
  y <- ydat$est

  plot(x,y,xlab=xlab,ylab=ylab,
       pch=15,cex=1.4,cex.lab=1.2,cex.axis=1.2,cex.main=1.5,col=col,...)
  abline(lsfit(x,y),lwd=2)
}

pj.means <- get.estimates(lhs="pj",op="country.means",estimates=country.estimates)

x.tmp <- pj.means
y.tmp <- moralid.on.pj
xl.tmp <- "Procedural Justice: Country Mean"
yl.tmp<-""
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Procedural justice -> Normative alignment")
```



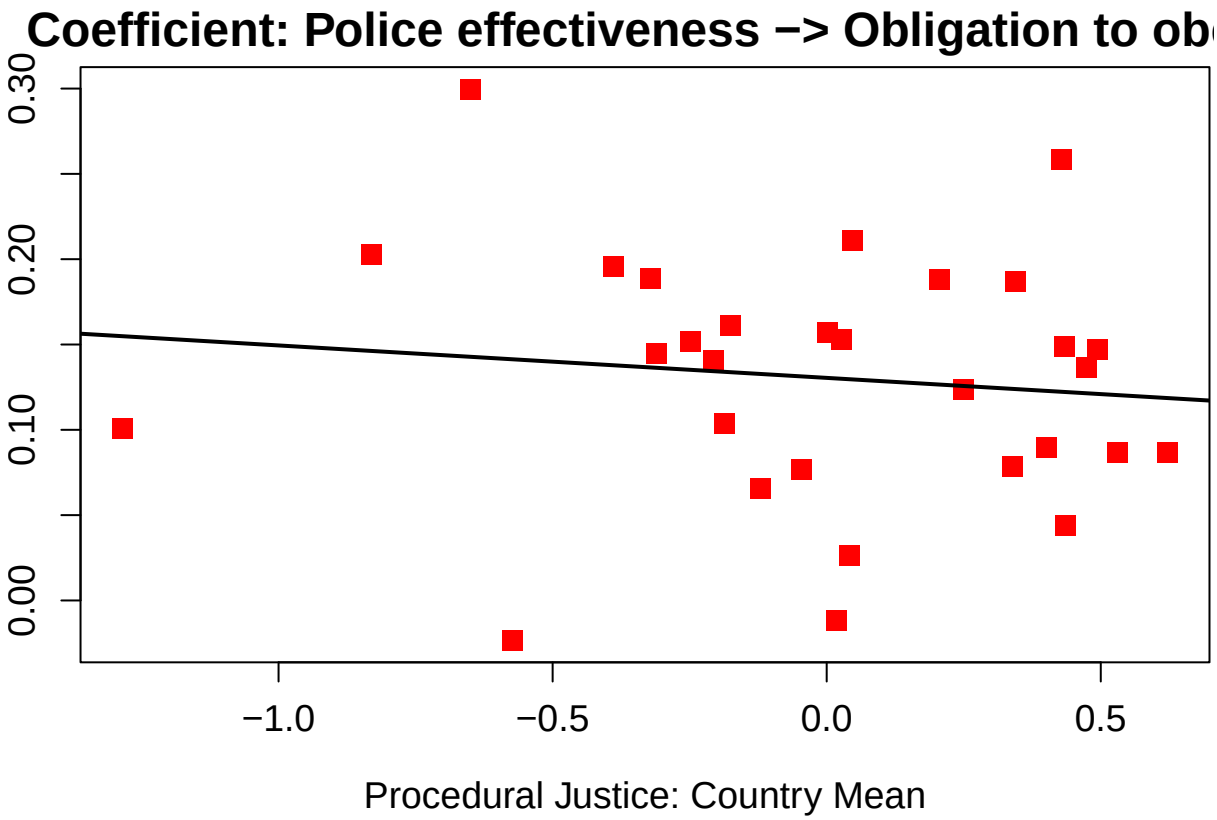

```
x.tmp <- pj.means
y.tmp <- obey.on.pj
xl.tmp <- "Procedural Justice: Country Mean"
yl.tmp<-""
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Procedural justice -> Obligation to obey")
```



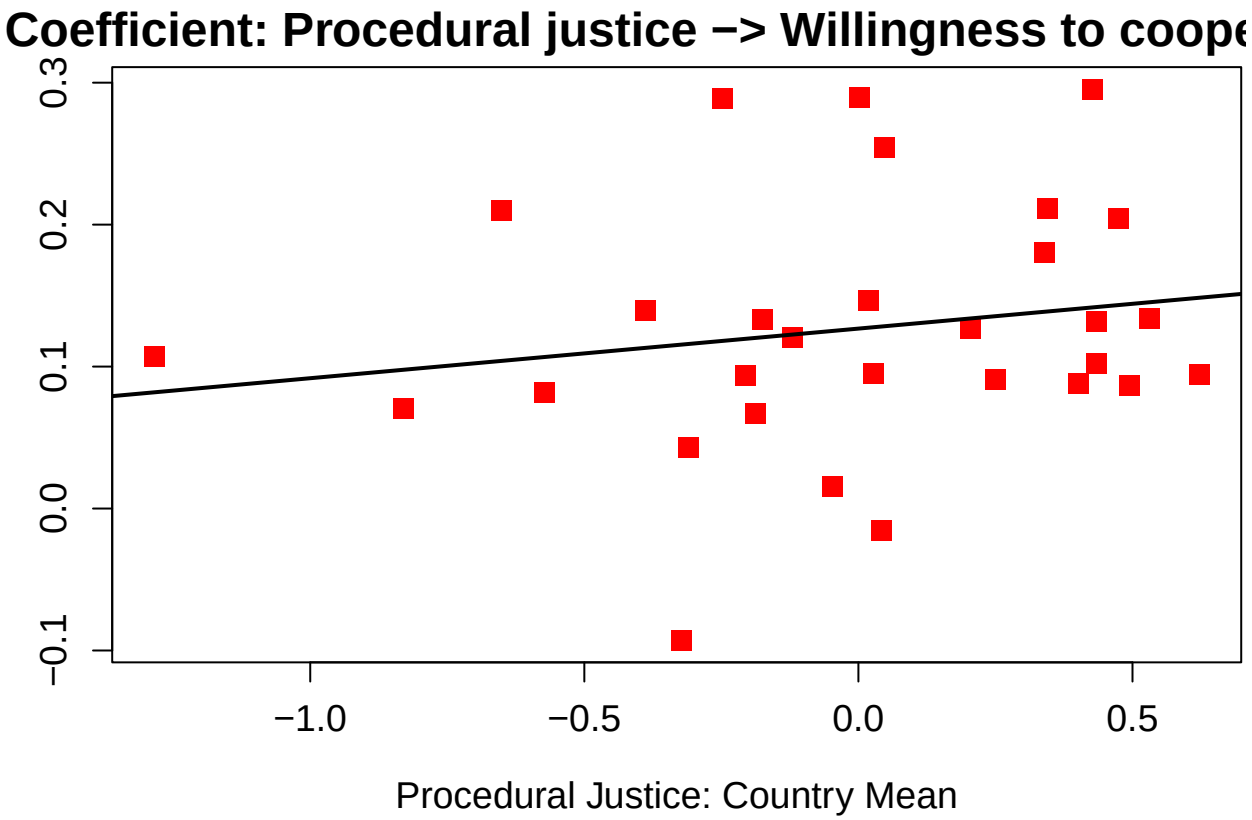

```
x.tmp <- pj.means
y.tmp <- moralid.on.eff
xl.tmp <- "Procedural Justice: Country Mean"
yl.tmp <- ""
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Police effectiveness -> Normative alignment")
```



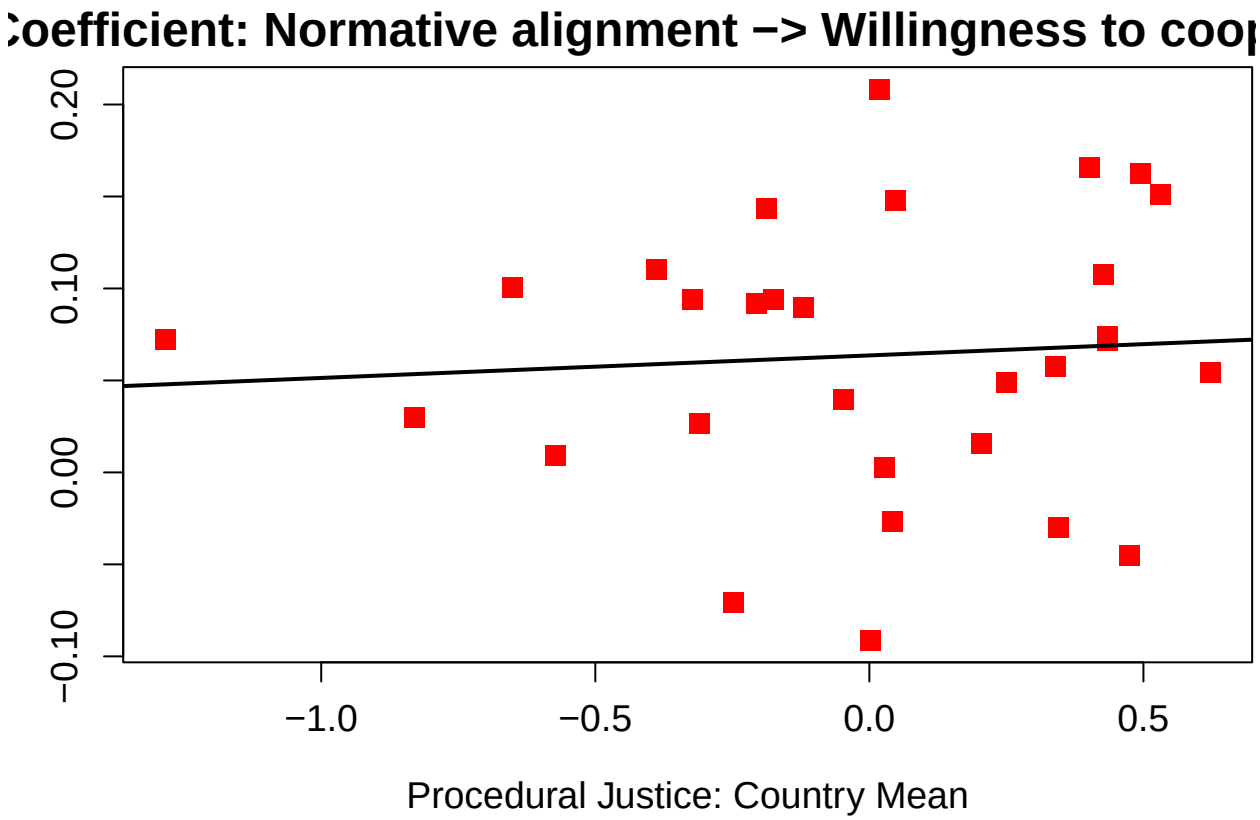

```
x.tmp <- pj.means
y.tmp <- obey.on.eff
xl.tmp <- "Procedural Justice: Country Mean"
yl.tmp <- ""
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Police effectiveness -> Obligation to obey")
```



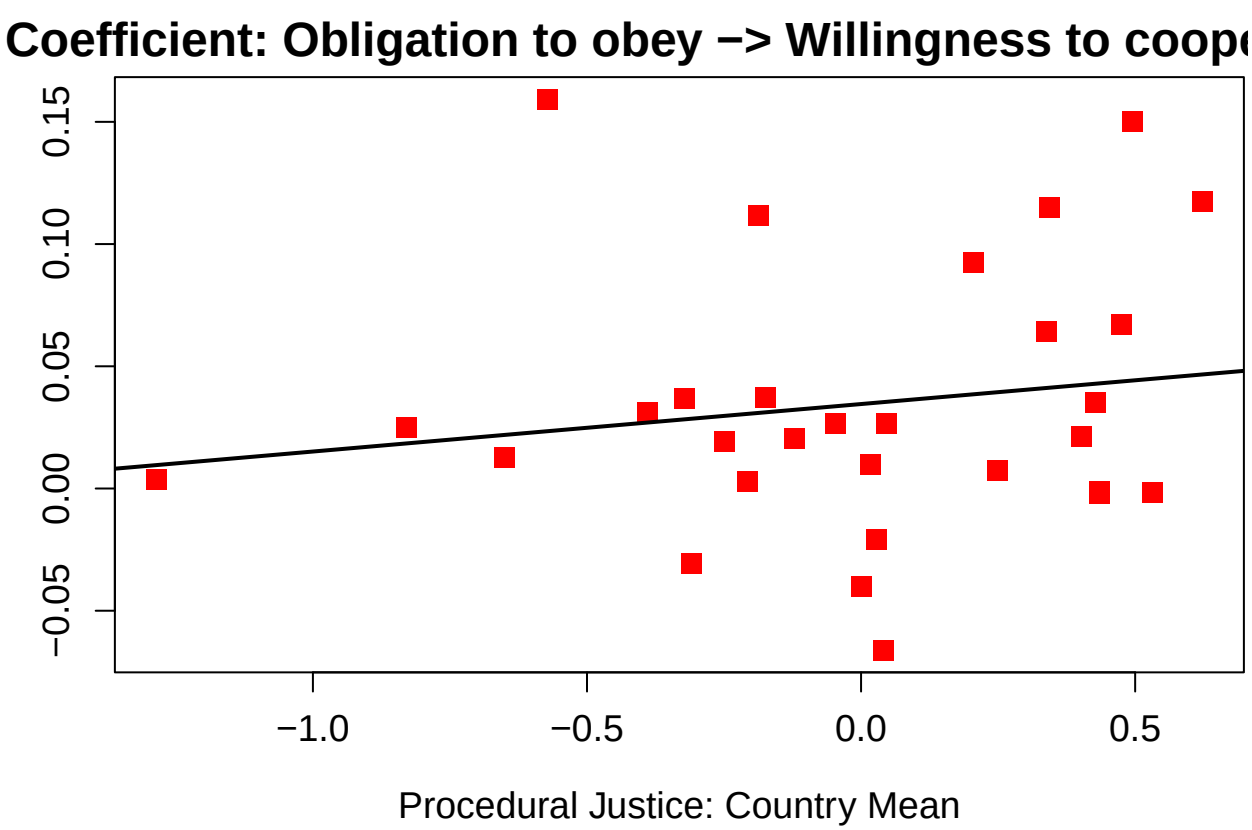

```
x.tmp <- pj.means
y.tmp <- coop.on.pj
xl.tmp <- "Procedural Justice: Country Mean"
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Procedural justice -> Willingness to cooperate")
```



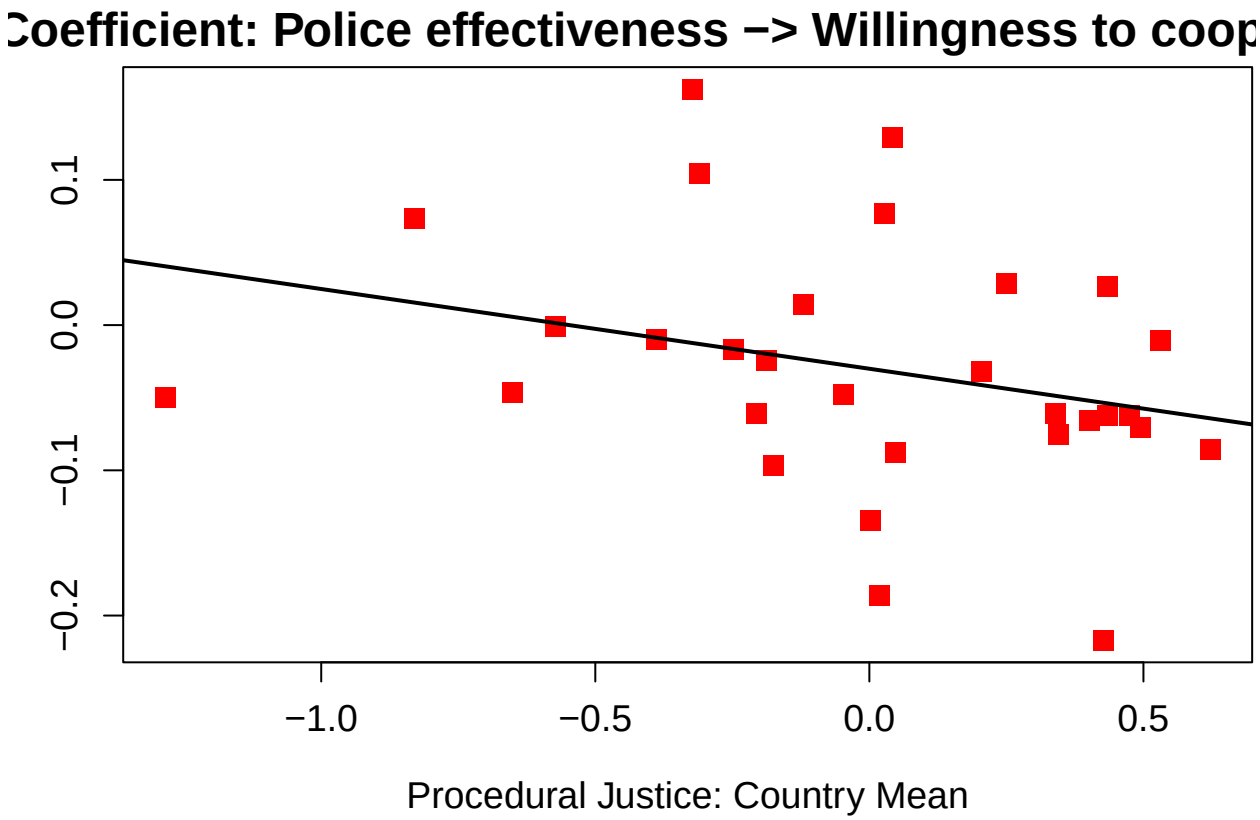

```
x.tmp <- pj.means
y.tmp <- coop.on.moralid
xl.tmp <- "Procedural Justice: Country Mean"
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Normative alignment -> Willingness to cooperate")
```



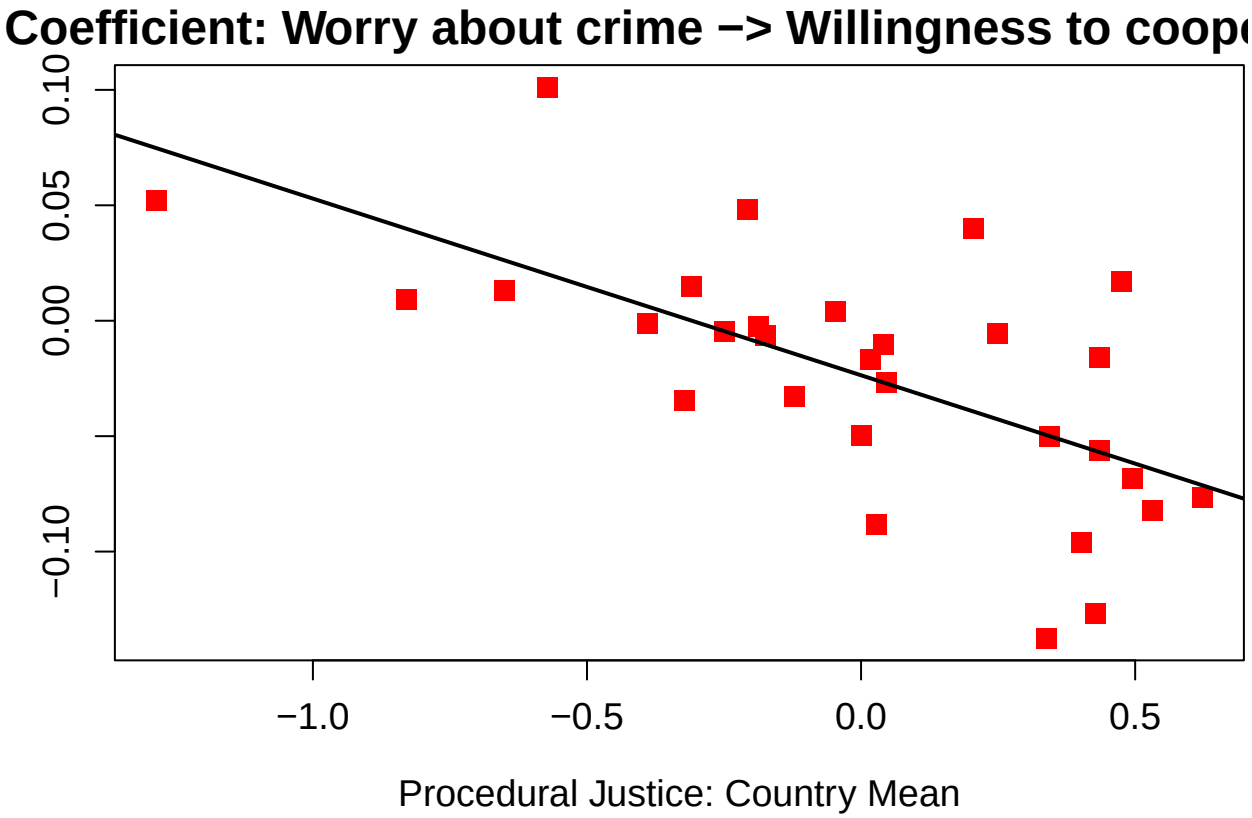

```
x.tmp <- pj.means
y.tmp <- coop.on.obey
xl.tmp <- "Procedural Justice: Country Mean"
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Obligation to obey -> Willingness to cooperate")
```




```
x.tmp <- pj.means
y.tmp <- coop.on.eff
xl.tmp <- "Procedural Justice: Country Mean"
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Police effectiveness -> Willingness to cooperate")
```




```
x.tmp <- pj.means
y.tmp <- coop.on.foc
xl.tmp <- "Procedural Justice: Country Mean"
ess.scatterplot(x.tmp,y.tmp,xlab=xl.tmp,ylab=yl.tmp,
                main="Coefficient: Worry about crime -> Willingness to cooperate")
```




```
par(par.orig)
########################################################################
## Tables and figures in the supplementary materials:

########################################################################
## Supplement S4: Tables of results from the estimated models

### Estimated measurement models:

summary(pj.mod)
```

```
## lavaan 0.6-19 ended normally after 22 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of model parameters                         9
##
##                                                   Used       Total
##   Number of observations                          56615       58838
##   Number of missing patterns                          7
##
## Model Test User Model:
##
##   Test statistic                                 0.000
##   Degrees of freedom                                 0
##
## Parameter Estimates:
```

```
##
##   Standard errors                             Standard
##   Information                                 Observed
##   Observed information based on                Hessian
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)
##   pj =~
##     pj1              0.579    0.003  194.832    0.000
##     pj2              0.573    0.003  200.277    0.000
##     pj3              0.533    0.003  157.232    0.000
##
## Intercepts:
##                   Estimate  Std.Err  z-value  P(>|z|)
##    .pj1              2.766    0.003  907.908    0.000
##    .pj2              2.716    0.003  920.686    0.000
##    .pj3              2.557    0.003  743.172    0.000
##
## Variances:
##                   Estimate  Std.Err  z-value  P(>|z|)
##    .pj1              0.182    0.002   84.814    0.000
##    .pj2              0.146    0.002   73.111    0.000
##    .pj3              0.330    0.003  126.595    0.000
##     pj               1.000
```

```
summary(eff.mod)
```

```
## lavaan 0.6-19 ended normally after 23 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of model parameters                         9
##
##                                                   Used       Total
##   Number of observations                         57871       58838
##   Number of missing patterns                         7
##
## Model Test User Model:
##
##   Test statistic                                 0.000
##   Degrees of freedom                                 0
##
## Parameter Estimates:
##
##   Standard errors                             Standard
##   Information                                 Observed
##   Observed information based on                Hessian
##
## Latent Variables:
##                   Estimate  Std.Err  z-value  P(>|z|)
##   eff =~
##     eff1             1.737    0.009  196.136    0.000
##     eff2             1.821    0.009  193.040    0.000
##     eff3             1.428    0.010  140.117    0.000
```

```
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .eff1              5.130    0.009  584.934    0.000
##    .eff2              4.722    0.009  504.964    0.000
##    .eff3              5.684    0.010  562.838    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .eff1              1.365    0.020   68.380    0.000
##    .eff2              1.655    0.022   74.023    0.000
##    .eff3              3.580    0.025  142.666    0.000
##     eff               1.000
```

```
summary(obey.mod)
```

```
## lavaan 0.6-19 ended normally after 20 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of model parameters                         9
##
##                                                   Used       Total
##   Number of observations                          57341       58838
##   Number of missing patterns                          7
##
## Model Test User Model:
##
##   Test statistic                                 0.000
##   Degrees of freedom                                 0
##
## Parameter Estimates:
##
##   Standard errors                             Standard
##   Information                                 Observed
##   Observed information based on                Hessian
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)
##   obey =~
##     obey1             2.156    0.011  192.223    0.000
##     obey2             2.728    0.010  285.212    0.000
##     obey3             2.495    0.010  248.360    0.000
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .obey1             5.702    0.013  454.757    0.000
##    .obey2             6.100    0.012  511.045    0.000
##    .obey3             5.881    0.012  490.989    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .obey1             4.102    0.028  146.536    0.000
##    .obey2             0.689    0.021   33.271    0.000
```

```
##    .obey3             1.953    0.021   94.890    0.000
##     obey              1.000
```

```
summary(moralid.mod)
```

```
## lavaan 0.6-19 ended normally after 18 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of model parameters                         9
##
##                                                   Used       Total
##   Number of observations                          57820       58838
##   Number of missing patterns                          7
##
## Model Test User Model:
##
##   Test statistic                                 0.000
##   Degrees of freedom                                 0
##
## Parameter Estimates:
##
##   Standard errors                             Standard
##   Information                                 Observed
##   Observed information based on                Hessian
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)
##   moralid =~
##     moralid1          0.727    0.004  191.341    0.000
##     moralid2          0.789    0.004  221.956    0.000
##     moralid3          0.685    0.004  186.120    0.000
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .moralid1          3.495    0.004  868.793    0.000
##    .moralid2          3.600    0.004  939.416    0.000
##    .moralid3          3.508    0.004  904.469    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .moralid1          0.394    0.003  116.160    0.000
##    .moralid2          0.217    0.003   68.906    0.000
##    .moralid3          0.394    0.003  123.228    0.000
##     moralid           1.000
```

```
summary(coop.mod)
```

```
## lavaan 0.6-19 ended normally after 25 iterations
##
##   Estimator                                         ML
##   Optimization method                           NLMINB
##   Number of model parameters                         9
```

```
##
##                                                   Used       Total
##   Number of observations                         58060       58838
##   Number of missing patterns                         7
##
## Model Test User Model:
##
##   Test statistic                                 0.000
##   Degrees of freedom                                 0
##
## Parameter Estimates:
##
##   Standard errors                             Standard
##   Information                                 Observed
##   Observed information based on                Hessian
##
## Latent Variables:
##                    Estimate  Std.Err  z-value  P(>|z|)
##   coop =~
##     coop1             0.482    0.003  160.315    0.000
##     coop2             0.813    0.003  271.721    0.000
##     coop3             0.771    0.003  223.051    0.000
##
## Intercepts:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .coop1             3.407    0.003 1072.817    0.000
##    .coop2             3.167    0.004  903.679    0.000
##    .coop3             2.971    0.004  766.132    0.000
##
## Variances:
##                    Estimate  Std.Err  z-value  P(>|z|)
##    .coop1             0.350    0.002  155.408    0.000
##    .coop2             0.045    0.003   17.717    0.000
##    .coop3             0.263    0.003   95.372    0.000
##     coop              1.000
```

```
### Country means:
round_df(coop.estimates$country.means[,
                                      c("ccode","country",paste(c("pj","dj","lawf","eff","foc","obey","r
```

```
##    ccode     country pj.mean dj.mean lawf.mean eff.mean foc.mean obey.mean
## 1     AT     Austria   0.428   0.246     0.341    0.535   -0.289     0.082
## 2     BE     Belgium   0.250   0.077     0.120    0.115    0.071    -0.004
## 3     BG    Bulgaria  -0.389  -0.137    -0.629   -0.290    0.325    -0.432
## 4     CH Switzerland   0.435   0.095     0.482    0.450   -0.317     0.284
## 5     CY      Cyprus   0.001  -0.303    -0.397    0.120    0.148     0.324
## 6     CZ     Czech R  -0.121   0.053    -0.374    0.151   -0.254     0.175
## 7     DE     Germany   0.435   0.255     0.283    0.296   -0.250     0.232
## 8     DK     Denmark   0.622   0.340     0.702    0.107   -0.216     0.670
## 9     EE     Estonia   0.047   0.591     0.422   -0.050    0.097    -0.174
## 10    ES       Spain   0.475  -0.016    -0.138    0.349    0.147    -0.074
## 11    FI     Finland   0.494   0.345     0.828    0.569   -0.023     0.587
## 12    FR      France  -0.175  -0.257    -0.314    0.091    0.250    -0.113
## 13    GB          UK   0.345   0.175     0.191   -0.015   -0.011    -0.052
```

```
## 14    GR      Greece  -0.310  -0.534    -0.608   -0.200    0.709    -0.158
## 15    HR     Croatia   0.027   0.103    -0.290    0.036   -0.684    -0.281
## 16    HU     Hungary  -0.187  -0.093    -0.402   -0.073   -0.176     0.306
## 17    IE     Ireland   0.531   0.138     0.497   -0.111   -0.161    -0.095
## 18    IL      Israel  -0.573  -0.498    -0.014   -0.519   -0.246     0.490
## 19    LT   Lithuania  -0.322   0.009    -0.636   -0.185    0.368    -0.165
## 20    NL Netherlands   0.205   0.402     0.252    0.031   -0.217     0.234
## 21    NO      Norway   0.402   0.092     0.772   -0.043   -0.391     0.300
## 22    PL      Poland  -0.206  -0.123     0.101    0.120   -0.380     0.042
## 23    PT    Portugal  -0.047  -0.261    -0.313   -0.203    0.269     0.041
## 24    RU      Russia  -0.830  -0.339    -0.605   -0.469   -0.195    -0.761
## 25    SE      Sweden   0.339  -0.154     0.787   -0.077   -0.049     0.415
## 26    SI    Slovenia   0.041  -0.033    -0.063    0.098   -0.480    -0.598
## 27    SK    Slovakia  -0.249  -0.124    -0.347    0.063    0.194    -0.109
## 28    UA     Ukraine  -1.285  -0.434    -0.921   -0.722   -0.081    -0.610
## 29    SA          SA  -0.650  -0.233    -0.542   -0.389    0.617    -0.498
## 30    US          US   0.018   0.202     0.324    0.570    0.438    -0.038
##    moralid.mean coop.mean
## 1         0.336     0.227
## 2         0.104     0.334
## 3        -0.220    -0.181
## 4         0.333     0.535
## 5        -0.123    -0.033
## 6        -0.304    -0.289
## 7         0.435     0.641
## 8         0.422     0.359
## 9         0.219    -0.063
## 10        0.191     0.144
## 11        0.557     0.251
## 12       -0.112     0.350
## 13        0.112     0.316
## 14       -0.368     0.088
## 15       -0.178    -0.110
## 16       -0.161    -0.093
## 17        0.262     0.033
## 18       -0.505    -0.369
## 19       -0.176    -0.701
## 20        0.188     0.274
## 21        0.420     0.413
## 22        0.231    -0.535
## 23        0.060     0.216
## 24       -0.730    -0.236
## 25        0.361     0.297
## 26       -0.167     0.099
## 27        0.035    -0.342
## 28       -0.903    -0.991
## 29       -0.455    -0.506
## 30        0.127     0.469
```

```
### Estimated regression coefficients in the structural models
round_df(coop.estimates$sem.coefs[,
  c("country","moralid.ON.pj","moralid.ON.dj","moralid.ON.lawf","moralid.ON.eff","moralid.ON.foc")],3)
```

```
##        country moralid.ON.pj moralid.ON.dj moralid.ON.lawf moralid.ON.eff
```

```
## 1      Austria         0.459         0.190          0.045          0.046
## 2      Belgium         0.636         0.064          0.062          0.191
## 3     Bulgaria         0.481         0.079          0.029          0.185
## 4  Switzerland         0.567         0.050          0.090          0.179
## 5       Cyprus         0.534         0.033          0.122          0.293
## 6      Czech R         0.556         0.074         -0.018          0.246
## 7      Germany         0.433         0.075          0.023          0.198
## 8      Denmark         0.566         0.025          0.086          0.132
## 9      Estonia         0.507         0.001          0.078          0.168
## 10       Spain         0.764         0.004          0.065          0.137
## 11     Finland         0.481         0.033          0.074          0.142
## 12      France         0.502         0.061          0.018          0.401
## 13          UK         0.577         0.078          0.049          0.196
## 14      Greece         0.543         0.063          0.082          0.247
## 15     Croatia         0.612         0.040          0.021          0.145
## 16     Hungary         0.626         0.054          0.038          0.166
## 17     Ireland         0.601         0.047          0.054          0.221
## 18      Israel         0.385         0.036          0.212          0.210
## 19   Lithuania         0.561         0.033         -0.053          0.168
## 20 Netherlands         0.581         0.016          0.018          0.336
## 21      Norway         0.557        -0.019          0.045          0.158
## 22      Poland         0.397        -0.016          0.042          0.246
## 23    Portugal         0.328         0.022          0.039          0.156
## 24      Russia         0.344         0.057          0.084          0.286
## 25      Sweden         0.635        -0.032          0.041          0.149
## 26    Slovenia         0.621         0.038         -0.026          0.132
## 27    Slovakia         0.269         0.031          0.103          0.385
## 28     Ukraine         0.465         0.073         -0.163          0.252
## 29          SA         0.236         0.138         -0.029          0.378
## 30          US         0.494         0.044          0.098          0.248
##    moralid.ON.foc
## 1          -0.060
## 2           0.001
## 3          -0.072
## 4          -0.007
## 5           0.100
## 6           0.005
## 7           0.015
## 8          -0.020
## 9           0.064
## 10         -0.022
## 11          0.027
## 12          0.125
## 13          0.016
## 14          0.022
## 15          0.010
## 16          0.032
## 17          0.018
## 18          0.062
## 19          0.046
## 20          0.031
## 21          0.041
## 22          0.078
## 23         -0.034
```

```
## 24         -0.019
## 25         -0.018
## 26         -0.024
## 27         -0.006
## 28          0.054
## 29          0.021
## 30          0.024
```

```
round_df(coop.estimates$sem.coefs[,
  c("country","obey.ON.pj","obey.ON.dj","obey.ON.lawf","obey.ON.eff","obey.ON.foc")],3)
```

```
##        country obey.ON.pj obey.ON.dj obey.ON.lawf obey.ON.eff obey.ON.foc
## 1      Austria      0.317     -0.039        0.033       0.258       0.050
## 2      Belgium      0.313      0.012        0.038       0.124       0.026
## 3     Bulgaria      0.288      0.015        0.013       0.196      -0.035
## 4  Switzerland      0.178     -0.012        0.079       0.044       0.027
## 5       Cyprus      0.358     -0.106        0.041       0.157       0.011
## 6      Czech R      0.218      0.023       -0.030       0.065       0.007
## 7      Germany      0.260      0.045        0.038       0.149       0.072
## 8      Denmark      0.303      0.042        0.039       0.087      -0.008
## 9      Estonia      0.243     -0.063        0.130       0.211       0.007
## 10       Spain      0.288     -0.025        0.068       0.136       0.028
## 11     Finland      0.267      0.020        0.054       0.147       0.030
## 12      France      0.202      0.034       -0.003       0.161       0.038
## 13          UK      0.216      0.023        0.054       0.187       0.050
## 14      Greece      0.271      0.041        0.032       0.145       0.066
## 15     Croatia      0.305     -0.103        0.191       0.153      -0.094
## 16     Hungary      0.292      0.010        0.056       0.104       0.007
## 17     Ireland      0.368     -0.004        0.112       0.087      -0.039
## 18      Israel      0.299      0.120       -0.053      -0.023       0.004
## 19   Lithuania      0.234      0.084        0.044       0.189       0.079
## 20 Netherlands      0.229      0.010        0.009       0.188       0.026
## 21      Norway      0.420     -0.018        0.026       0.090       0.055
## 22      Poland      0.175      0.053        0.101       0.141       0.120
## 23    Portugal      0.134      0.035        0.049       0.077      -0.029
## 24      Russia      0.221      0.059        0.055       0.203      -0.012
## 25      Sweden      0.393     -0.033        0.052       0.078      -0.001
## 26    Slovenia      0.444     -0.093       -0.039       0.026      -0.107
## 27    Slovakia      0.112      0.011        0.010       0.152       0.044
## 28     Ukraine      0.258      0.139       -0.082       0.101      -0.074
## 29          SA      0.046      0.008       -0.024       0.300       0.006
## 30          US      0.274     -0.009        0.037      -0.012      -0.002
```

```
round_df(coop.estimates$sem.coefs[,
  c("country","coop.ON.pj","coop.ON.eff","coop.ON.foc","coop.ON.obey","coop.ON.moralid")],3)
```

```
##        country coop.ON.pj coop.ON.eff coop.ON.foc coop.ON.obey coop.ON.moralid
## 1      Austria      0.295      -0.217      -0.127        0.035           0.107
## 2      Belgium      0.091       0.029      -0.006        0.007           0.049
## 3     Bulgaria      0.140      -0.010      -0.001        0.031           0.110
## 4  Switzerland      0.132      -0.062      -0.056       -0.002           0.071
## 5       Cyprus      0.289      -0.135      -0.050       -0.040          -0.091
## 6      Czech R      0.121       0.014      -0.033        0.020           0.090
```

```
## 7      Germany      0.102       0.026      -0.016       -0.001           0.074
## 8      Denmark      0.094      -0.086      -0.076        0.118           0.054
## 9      Estonia      0.255      -0.088      -0.027        0.027           0.148
## 10       Spain      0.204      -0.062       0.017        0.067          -0.045
## 11     Finland      0.087      -0.071      -0.068        0.150           0.163
## 12      France      0.133      -0.097      -0.006        0.037           0.094
## 13          UK      0.212      -0.075      -0.050        0.115          -0.030
## 14      Greece      0.043       0.105       0.015       -0.031           0.027
## 15     Croatia      0.095       0.077      -0.088       -0.021           0.003
## 16     Hungary      0.067      -0.024      -0.003        0.112           0.143
## 17     Ireland      0.134      -0.011      -0.082       -0.001           0.151
## 18      Israel      0.081      -0.001       0.101        0.159           0.009
## 19   Lithuania     -0.093       0.162      -0.035        0.037           0.094
## 20 Netherlands      0.127      -0.032       0.040        0.092           0.016
## 21      Norway      0.088      -0.065      -0.096        0.021           0.166
## 22      Poland      0.094      -0.061       0.048        0.003           0.092
## 23    Portugal      0.016      -0.048       0.004        0.027           0.040
## 24      Russia      0.071       0.073       0.009        0.025           0.030
## 25      Sweden      0.180      -0.061      -0.138        0.064           0.057
## 26    Slovenia     -0.016       0.129      -0.010       -0.066          -0.027
## 27    Slovakia      0.289      -0.017      -0.005        0.019          -0.071
## 28     Ukraine      0.107      -0.050       0.052        0.004           0.072
## 29          SA      0.210      -0.046       0.013        0.013           0.100
## 30          US      0.146      -0.186      -0.017        0.010           0.208
```

```
### Estimated residual correlations between  duty to obey the police and normative alignment with the p
f.tmp <- function(x){
  cov12 <- x[(x$lhs=="obey")&(x$op=="~~")&(x$rhs=="moralid"),"est"]
  var1 <- x[(x$lhs=="obey")&(x$op=="~~")&(x$rhs=="obey"),"est"]
  var2 <- x[(x$lhs=="moralid")&(x$op=="~~")&(x$rhs=="moralid"),"est"]
  cov12/(sqrt(var1*var2))
}
m.tmp <- data.frame(obey.WITH.moralid=sapply(coop.estimates$sems,f.tmp))
rownames(m.tmp) <- coop.estimates$sem.coefs$country
round_df(m.tmp,3)
```

```
##             obey.WITH.moralid
## Austria                 0.200
## Belgium                 0.155
## Bulgaria                0.238
## Switzerland            -0.022
## Cyprus                  0.081
## Czech R                 0.194
## Germany                 0.207
## Denmark                 0.206
## Estonia                 0.029
## Spain                   0.099
## Finland                 0.300
## France                  0.189
## UK                      0.230
## Greece                  0.256
## Croatia                 0.240
## Hungary                 0.176
## Ireland                 0.215
```

```
## Israel                0.117
## Lithuania             0.198
## Netherlands           0.149
## Norway                0.319
## Poland                0.085
## Portugal              0.339
## Russia                0.245
## Sweden                0.244
## Slovenia              0.236
## Slovakia              0.122
## Ukraine               0.169
## SA                    0.045
## US                    0.332
```