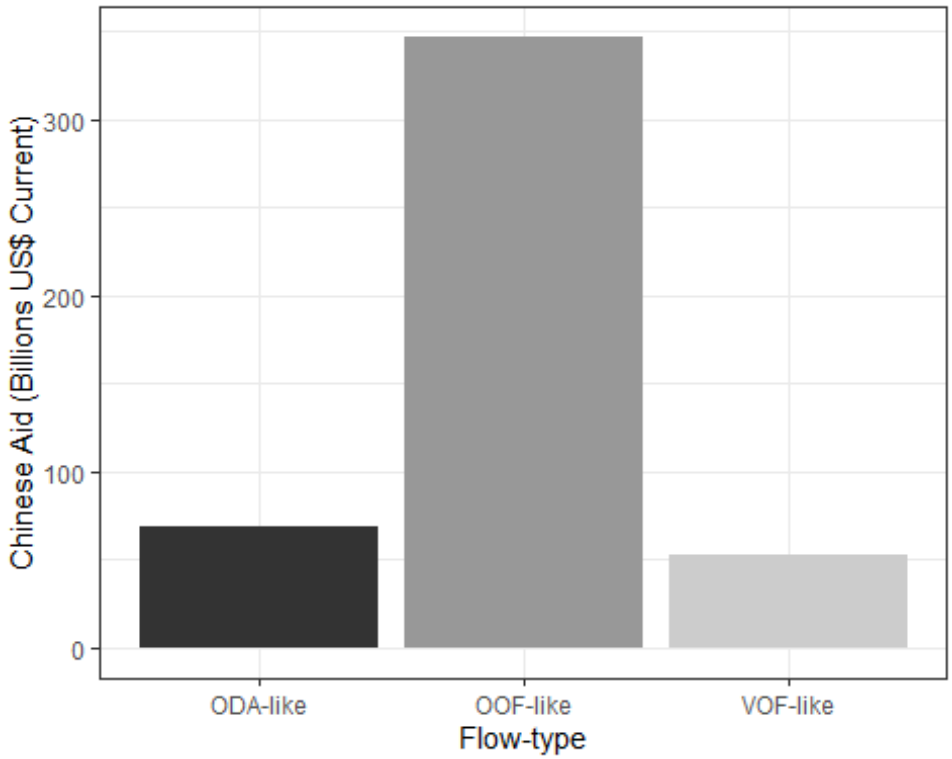
RaessRenWagnerFPA.R

patri

2021-10-29

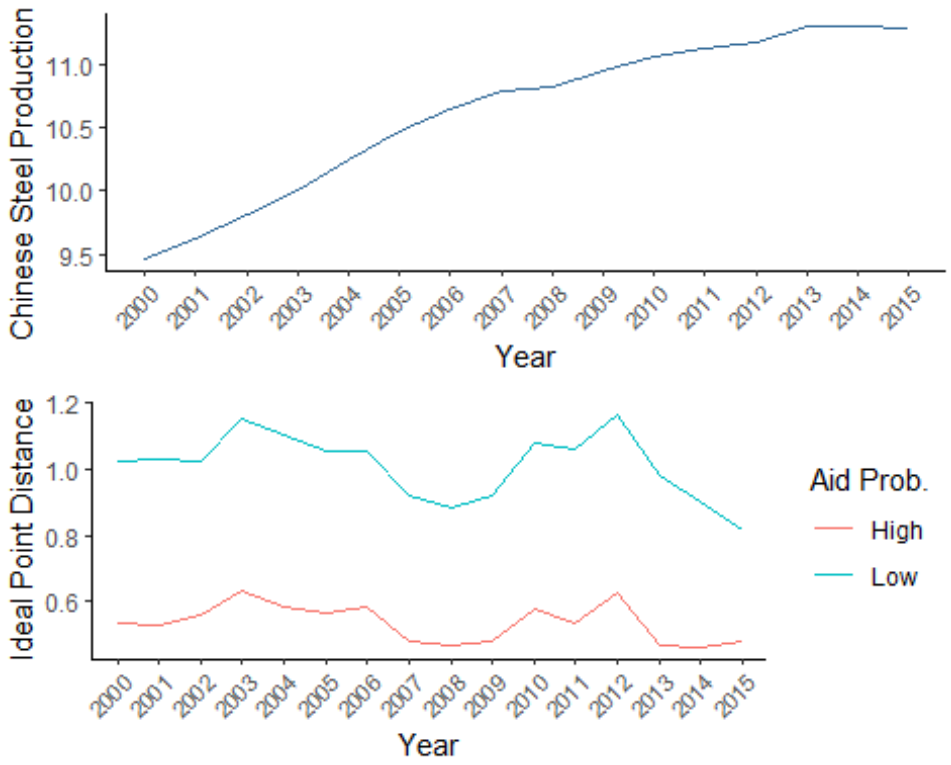
```
setwd("C:/Users/patri/OneDrive - Universitaet Bern/FPA Replication - Chinese
Aid") ### Set directory ###

################################
#### Install/Load Packages ####
################################

pacman::p_load(pacman, tm, lfe, plm, data.table, dplyr, tidyr, ggplot2,
lubridate, countrycode, sandwich, zoo, texreg, car, lmtest, pastecs, Hmisc,
               corrplot,sjPlot,AER,sandwich, ggeffects, ggpubr)

#################################################################
#### Loading and Cleaning Raw Aid Data for Figure 1 Plot ####
#################################################################

ad <- read.csv('adcfa.csv', as.is = T, header=T) %>% ### Load raw aid data
###
  select(flow_class, year, usd_current, status, recipient_imf_code) %>% ###
Select relevant columns ###
  filter(!status %in% c('Suspended','Cancelled','Pipeline: Pledge')) %>% ###
Filter out aid projects not meant for research ###
  filter(!grepl(';', recipient_imf_code)) %>% ### Remove regional projects
###
  filter(year %in% 2000:2014) %>% ### Filter years ###
  mutate(usdbls = usd_current/1000000000) ### Convert dollar amounts to
billion USD ###

adag <- aggregate(usdbls~flow_class, data=ad, FUN=sum) ### Aggregate by flow-
type ###
ad$flow_class <- ifelse(ad$flow_class=='Vague (Official Finance)', 'VOF-
like', ad$flow_class) ### Rename VOF ###

#################################
#### Plot Aid Flows by Type ####
#################################

ggplot(data=ad, aes(x=flow_class, y=usdbls, fill=flow_class)) +
  geom_bar(stat="identity") + theme_bw() + scale_fill_grey(labels=c())+
theme(legend.position="none") +
  labs(y='Chinese Aid (Billions US$ Current)', x='Flow-type')
```

```
## Warning: Removed 1680 rows containing missing values (position_stack).
```




```
############################
#### Load main dataset ####
############################

data <- readRDS('fpadata.RDS')

#########################################################
#### Create Figure 2 Instrumental Variable Plots ####
#########################################################

ggarrange(readRDS('steeldata.RDS') %>% ### Load Steel Data ###
            filter(year %in% 2000:2015) %>% ### Filter by Relevant Years ###
            ggplot(aes(x=year, y=log(crude), colour=1)) +
            geom_line() +
            theme_classic() +
            labs(y='Chinese Steel Production (log)', x='Year') +
            theme(axis.text.x = element_text(angle = 45, vjust = 1, hjust=1,
size=8),
                  legend.position = '') +
            scale_x_continuous(breaks=seq(2000, 2015, 1)),
          data %>%
            mutate(oofproblvl = ifelse(oof_prob > median(oof_prob), 'H','L'))
%>% ### Create Probability of Aid ###
            ggplot(aes(x=year, y=ideal_china, group=oofproblvl,
```

```
colour=oofproblvl)) +
            stat_summary(geom='line',fun=mean) +
            theme_classic() +
            labs(y='Ideal Point Distance', x='Year') +
            theme(axis.text.x = element_text(angle = 45, vjust = 1, hjust=1,
size=8),
                  legend.position = 'right') +
            scale_color_discrete(name='Aid Prob.', labels=c('High','Low')),
          ncol=1,
          nrow=2)
```




```
#########################
#### Table 1 Results ####
#########################

bi1 <-  felm(ideal_china ~ oof2|year|0|
               0, data=data)
summary(bi1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 | year | 0 | 0, data = data)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -0.9158 -0.5752 -0.2938  0.6617  2.9693
##
```

```
## Coefficients:
##      Estimate Std. Error t value Pr(>|t|)
## oof2 -0.11384    0.03118  -3.651 0.000266 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.7285 on 2820 degrees of freedom
##   (192 observations deleted due to missingness)
## Multiple R-squared(full model): 0.0162   Adjusted R-squared: 0.01097
## Multiple R-squared(proj model): 0.004706   Adjusted R-squared: -0.0005884
## F-statistic(full model):3.096 on 15 and 2820 DF, p-value: 4.992e-05
## F-statistic(proj model): 13.33 on 1 and 2820 DF, p-value: 0.0002655
```

```
m1 <-  felm(ideal_china ~ oof2 +
              oda2+
              boix_dem +
              import_dep_lag_1+
              export_dep_lag_1+
              gdppc_wdi_lag_1+
              usaid2+
              cinc|year|0|
              ccode, data=data)
summary(m1, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + boix_dem + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc | year |      0 |
ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.37898 -0.38142 -0.06498  0.33339  2.10700
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0516533  0.0257463  -2.006 0.044967 *
## oda2               0.0027513  0.1070810   0.026 0.979504
## boix_dem           0.4624576  0.0256920  18.000  < 2e-16 ***
## import_dep_lag_1 -0.1621443  0.0866113  -1.872 0.061342 .
## export_dep_lag_1 -1.0577332  0.2626375  -4.027 5.85e-05 ***
## gdppc_wdi_lag_1    0.0170416  0.0007047  24.183  < 2e-16 ***
## usaid2             0.4860136  0.1388528   3.500 0.000475 ***
## cinc              10.1321396  0.8753651  11.575  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5353 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4574   Adjusted R-squared: 0.4522
```

```
## Multiple R-squared(proj model): 0.4519   Adjusted R-squared: 0.4466
## F-statistic(full model):87.45 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 203.1 on 8 and 1971 DF, p-value: < 2.2e-16
```

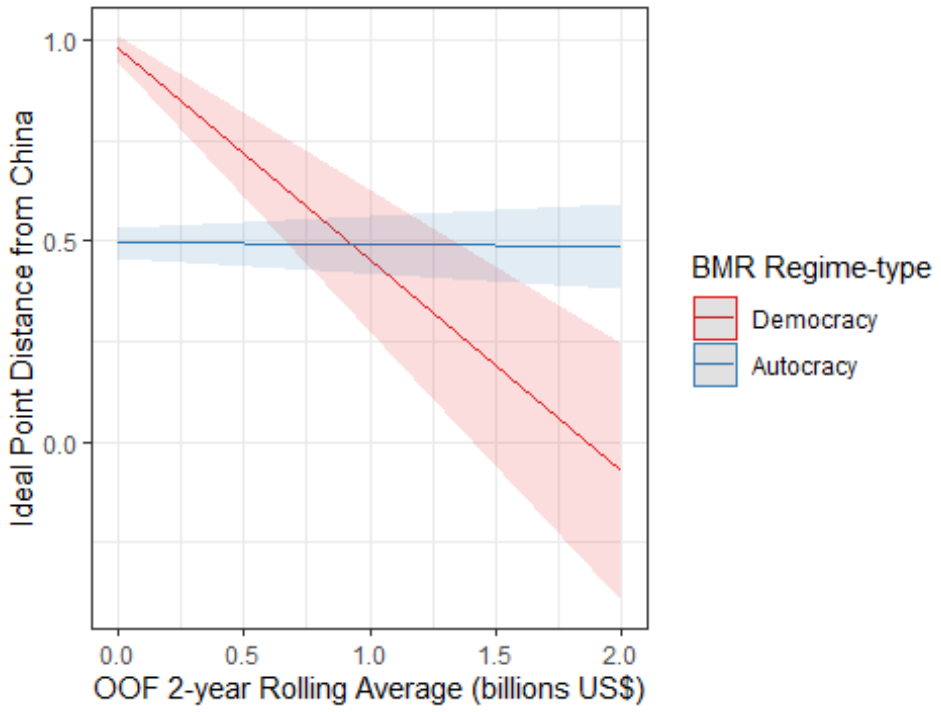
```
bi2 <-  felm(ideal_china ~ oof2*boix_dem|year|0|
               ccode, data=data)
summary(bi2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem | year | 0 | ccode,
data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.17108 -0.46772 -0.09284  0.51321  2.69249
##
## Coefficients:
##                Estimate Std. Error t value Pr(>|t|)
## oof2           0.009371   0.031008   0.302    0.763
## boix_dem       0.684846   0.025749  26.597  < 2e-16 ***
## oof2:boix_dem -0.427179   0.071889  -5.942 3.17e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.6534 on 2748 degrees of freedom
##   (262 observations deleted due to missingness)
## Multiple R-squared(full model): 0.219   Adjusted R-squared: 0.2142
## Multiple R-squared(proj model): 0.2095   Adjusted R-squared: 0.2046
## F-statistic(full model):45.34 on 17 and 2748 DF, p-value: < 2.2e-16
## F-statistic(proj model): 242.8 on 3 and 2748 DF, p-value: < 2.2e-16
```

```
m2 <-  felm(ideal_china ~ oof2*boix_dem +
              oda2+
              import_dep_lag_1+
              export_dep_lag_1+
              gdppc_wdi_lag_1+
              usaid2+
              cinc|year|0|
              ccode, data=data)
summary(m2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc | year |      0 |
ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.44761 -0.37672 -0.06605  0.32808  2.10173
```

```
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0058826  0.0265983  -0.221 0.824988
## boix_dem           0.4852766  0.0257345  18.857  < 2e-16 ***
## oda2               0.0076151  0.1061174   0.072 0.942799
## import_dep_lag_1 -0.1753719  0.0858569  -2.043 0.041224 *
## export_dep_lag_1 -1.0640875  0.2602688  -4.088 4.52e-05 ***
## gdppc_wdi_lag_1    0.0166364  0.0007015  23.716  < 2e-16 ***
## usaid2             0.4765218  0.1376082   3.463 0.000546 ***
## cinc              10.6588745  0.8717666  12.227  < 2e-16 ***
## oof2:boix_dem     -0.5313062  0.0872622  -6.089 1.37e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5304 on 1970 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4674   Adjusted R-squared: 0.462
## Multiple R-squared(proj model): 0.462   Adjusted R-squared: 0.4566
## F-statistic(full model):86.45 on 20 and 1970 DF, p-value: < 2.2e-16
## F-statistic(proj model):   188 on 9 and 1970 DF, p-value: < 2.2e-16

#####################################################
#### Create Regime Type for Interaction Plot ####
#####################################################

data$bd <- ifelse(data$boix_dem==0, 'Autocracy', 'Democracy')

#################################################
#### lm() for Figure 3 Marginal Effect Plot ####
#################################################

plotint <- lm(ideal_china ~ oof2*bd + oda2 + gdppc_wdi_lag_1 + gdppc_wdi +
import_dep_lag_1 + export_dep_lag_1
              + cinc, data=data)
###############################################
#### Create Figure 3 Marginal Effect Plot ####
###############################################

intplot <- plot_model(plotint, type='pred', terms=c('oof2[0,2]', 'bd'))
intplot + theme_bw() + labs(title='', x='OOF 2-year Rolling Average (billions
US$)', y='Ideal Point Distance from China', colour='BMR Regime-type')
```




```
#########################
#### Table 2 Results ####
#########################

stg1 <- felm(oof2 ~ oof_iv3|year|0|ccode, data=data)
summary(stg1)

##
## Call:
##    felm(formula = oof2 ~ oof_iv3 | year | 0 | ccode, data = data)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -0.6257 -0.0826 -0.0235  0.0586 12.7537
##
## Coefficients:
##         Estimate Cluster s.e. t value Pr(>|t|)
## oof_iv3  0.08481      0.01462     5.8 7.48e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4509 on 2464 degrees of freedom
##   (550 observations deleted due to missingness)
## Multiple R-squared(full model): 0.09298   Adjusted R-squared: 0.08819
## Multiple R-squared(proj model): 0.0816   Adjusted R-squared: 0.07676
## F-statistic(full model, *iid*):19.43 on 13 and 2464 DF, p-value: < 2.2e-16
## F-statistic(proj model): 33.64 on 1 and 191 DF, p-value: 2.709e-08
```

```
stg2 <- felm(oof2 ~ oof_iv3+
               oda2+
               boix_dem++
               import_dep_lag_1+
               export_dep_lag_1+
               gdppc_wdi_lag_1+
               usaid2+
               cinc|year|0|ccode, data=data)
summary(stg2)

##
## Call:
##    felm(formula = oof2 ~ oof_iv3 + oda2 + boix_dem + +import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc | year |      0 | ccode,
data = data)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -0.6321 -0.0984 -0.0178  0.0541 12.6108
##
## Coefficients:
##                     Estimate Cluster s.e. t value Pr(>|t|)
## oof_iv3           0.0718378    0.0143539   5.005 6.18e-07 ***
## oda2             -0.1339176    0.1017894  -1.316  0.18848
## boix_dem         -0.0532952    0.0434754  -1.226  0.22042
## import_dep_lag_1 -0.0999226    0.0307440  -3.250  0.00118 **
## export_dep_lag_1  0.2998059    0.2044761   1.466  0.14278
## gdppc_wdi_lag_1   0.0003801    0.0002483   1.531  0.12604
## usaid2            0.0139195    0.0137849   1.010  0.31276
## cinc              3.8701451    3.4541267   1.120  0.26269
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4961 on 1669 degrees of freedom
##   (1341 observations deleted due to missingness)
## Multiple R-squared(full model): 0.0806   Adjusted R-squared: 0.07124
## Multiple R-squared(proj model): 0.06785   Adjusted R-squared: 0.05836
## F-statistic(full model, *iid*):8.607 on 17 and 1669 DF, p-value: < 2.2e-16
## F-statistic(proj model): 6.962 on 8 and 177 DF, p-value: 5.758e-08

oofiv1a <- felm(ideal_china~1|year|(oof2 ~ I(log(0.01+crude3)*oof_prob))|
                  ccode, data=data)
summary(oofiv1a, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ 1 | year | (oof2 ~ I(log(0.01 +
crude3) * oof_prob)) | ccode, data = data)
##
## Residuals:
```

```
##     Min      1Q  Median      3Q     Max
## -1.0923 -0.6317 -0.3149  0.6451 18.6496
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)
## `oof2(fit)`  -1.4448     0.1461  -9.886   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9347 on 2820 degrees of freedom
##   (192 observations deleted due to missingness)
## Multiple R-squared(full model): -0.6196   Adjusted R-squared: -0.6282
## Multiple R-squared(proj model): -0.6385   Adjusted R-squared: -0.6472
## F-statistic(full model):7.856 on 15 and 2820 DF, p-value: < 2.2e-16
## F-statistic(proj model): 97.73 on 1 and 2820 DF, p-value: < 2.2e-16
## F-statistic(endog. vars):97.73 on 1 and 2820 DF, p-value: < 2.2e-16
```

```
oofiv1b <-  felm(ideal_china ~ oda2 +
                   boix_dem+
                   import_dep_lag_1+
                   export_dep_lag_1+
                   gdppc_wdi_lag_1+
                   usaid2+
                   cinc|year|(oof2 ~ I(log(0.01+crude3)*oof_prob))|
                   ccode, data=data)
summary(oofiv1b, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oda2 + boix_dem + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc | year |      (oof2 ~
I(log(0.01 + crude3) * oof_prob)) | ccode, data = data)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -1.5875 -0.3906 -0.0861  0.3400  6.8956
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oda2             -0.0124863  0.1165543  -0.107  0.91470
## boix_dem          0.4351658  0.0289441  15.035  < 2e-16 ***
## import_dep_lag_1 -0.1998834  0.0947863  -2.109  0.03509 *
## export_dep_lag_1 -0.8803094  0.2898531  -3.037  0.00242 **
## gdppc_wdi_lag_1   0.0164098  0.0007861  20.874  < 2e-16 ***
## usaid2            0.4727519  0.1510828   3.129  0.00178 **
## cinc             12.0598234  1.0907518  11.056  < 2e-16 ***
## `oof2(fit)`      -0.5409209  0.1379142  -3.922 9.08e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
```

```
## Residual standard error: 0.5823 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.358   Adjusted R-squared: 0.3518
## Multiple R-squared(proj model): 0.3515   Adjusted R-squared: 0.3452
## F-statistic(full model):74.54 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 173.2 on 8 and 1971 DF, p-value: < 2.2e-16
## F-statistic(endog. vars):15.38 on 1 and 1971 DF, p-value: 9.076e-05
```

```
#######################################
#### VOF/OOF Results for Table A5 ####
#######################################
```

```
oof3 <-  felm(ideal_china ~ vofoof2 +
                oda2 +
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                boix_dem+
                usaid2+
                cinc|year|0|
                ccode, data=data)
summary(oof3, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ vofoof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | year | 0
| ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.38078 -0.38179 -0.06546  0.33278  2.10721
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## vofoof2          -0.0578618  0.0252974  -2.287 0.022286 *
## oda2              0.0052176  0.1070460   0.049 0.961130
## import_dep_lag_1 -0.1625075  0.0865829  -1.877 0.060679 .
## export_dep_lag_1 -1.0506150  0.2626346  -4.000 6.56e-05 ***
## gdppc_wdi_lag_1   0.0170204  0.0007047  24.151  < 2e-16 ***
## boix_dem          0.4619062  0.0256879  17.981  < 2e-16 ***
## usaid2            0.4854023  0.1388114   3.497 0.000481 ***
## cinc             10.1602457  0.8750812  11.611  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5351 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4577   Adjusted R-squared: 0.4525
## Multiple R-squared(proj model): 0.4522   Adjusted R-squared: 0.447
```

```
## F-statistic(full model):87.56 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 203.4 on 8 and 1971 DF, p-value: < 2.2e-16

oof4 <-  felm(ideal_china ~ vofoof2*boix_dem +
                oda2+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                usaid2+
                cinc|year|0|
                ccode, data=data)
summary(oof4, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ vofoof2 * boix_dem + oda2 +
import_dep_lag_1 +      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc |
year |      0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.46018 -0.37204 -0.06801  0.32743  2.10037
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## vofoof2          -0.0046756  0.0261643  -0.179 0.858191
## boix_dem          0.4918524  0.0257575  19.095  < 2e-16 ***
## oda2              0.0202579  0.1058244   0.191 0.848209
## import_dep_lag_1 -0.1790561  0.0856103  -2.092 0.036609 *
## export_dep_lag_1 -1.0638133  0.2595895  -4.098 4.34e-05 ***
## gdppc_wdi_lag_1   0.0164992  0.0007006  23.549  < 2e-16 ***
## usaid2            0.4718565  0.1372123   3.439 0.000596 ***
## cinc             10.7265028  0.8687952  12.346  < 2e-16 ***
## vofoof2:boix_dem -0.5653354  0.0819218  -6.901 6.94e-12 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5289 on 1970 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4705   Adjusted R-squared: 0.4651
## Multiple R-squared(proj model): 0.4652   Adjusted R-squared: 0.4597
## F-statistic(full model):87.53 on 20 and 1970 DF, p-value: < 2.2e-16
## F-statistic(proj model): 190.4 on 9 and 1970 DF, p-value: < 2.2e-16

##################################
#### Project Values Table A6 ####
##################################

prjct1 <- felm(ideal_china ~ oofprjct_lag_1 +
                odaprjct_lag_1+
```

```
                 boix_dem+
                gdppc_wdi_lag_1+
                import_dep_lag_1+
                export_dep_lag_1+
                usaid2+
                cinc|year|0|
                ccode, data=data)
summary(prjct1, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oofprjct_lag_1 + odaprjct_lag_1 +
boix_dem + gdppc_wdi_lag_1 + import_dep_lag_1 + export_dep_lag_1 +
usaid2 + cinc | year | 0 | ccode, data = data)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -1.4037 -0.3645 -0.0701  0.3320  2.0970
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oofprjct_lag_1   -0.0005206  0.0115195  -0.045 0.963958
## odaprjct_lag_1   -0.0354427  0.0062664  -5.656 1.78e-08 ***
## boix_dem          0.4452807  0.0255778  17.409  < 2e-16 ***
## gdppc_wdi_lag_1   0.0160212  0.0007225  22.175  < 2e-16 ***
## import_dep_lag_1 -0.0964577  0.0867239  -1.112 0.266171
## export_dep_lag_1 -1.0549068  0.2631121  -4.009 6.32e-05 ***
## usaid2            0.4643993  0.1378845   3.368 0.000772 ***
## cinc              9.8487538  0.8641917  11.396  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5313 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4653   Adjusted R-squared: 0.4602
## Multiple R-squared(proj model): 0.4599   Adjusted R-squared: 0.4547
## F-statistic(full model):90.29 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 209.8 on 8 and 1971 DF, p-value: < 2.2e-16
```

```
prjct2 <-  felm(ideal_china ~ oofprjct*boix_dem +
                  odaprjct_lag_1+
                  boix_dem+
                  gdppc_wdi_lag_1+
                  import_dep_lag_1+
                  export_dep_lag_1+
                  usaid2+
                  cinc|year|0|
                  ccode, data=data)
summary(prjct2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oofprjct * boix_dem + odaprjct_lag_1 +
boix_dem + gdppc_wdi_lag_1 + import_dep_lag_1 + export_dep_lag_1 +
usaid2 + cinc | year | 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.41419 -0.36334 -0.06767  0.33775  2.08205
##
## Coefficients:
##                      Estimate Std. Error t value Pr(>|t|)
## oofprjct            0.0194935  0.0122250   1.595  0.11097
## boix_dem            0.4793349  0.0266368  17.995  < 2e-16 ***
## odaprjct_lag_1     -0.0336670  0.0062031  -5.427 6.42e-08 ***
## gdppc_wdi_lag_1     0.0156410  0.0007246  21.587  < 2e-16 ***
## import_dep_lag_1   -0.1060147  0.0862967  -1.228  0.21941
## export_dep_lag_1   -1.1277420  0.2625681  -4.295 1.83e-05 ***
## usaid2              0.4516711  0.1372818   3.290  0.00102 **
## cinc                9.9989412  0.8607693  11.616  < 2e-16 ***
## oofprjct:boix_dem -0.1174735  0.0268453  -4.376 1.27e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5289 on 1970 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4705   Adjusted R-squared: 0.4651
## Multiple R-squared(proj model): 0.4652   Adjusted R-squared: 0.4597
## F-statistic(full model):87.53 on 20 and 1970 DF, p-value: < 2.2e-16
## F-statistic(proj model): 190.4 on 9 and 1970 DF, p-value: < 2.2e-16
```

```
#########################################################
#### Alternative Democracy Measures for Table A7 ####
#########################################################

demo1 <-  felm(ideal_china ~ oof2 +
                 oda2 +
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 politybinary+
                 usaid2+
                 cinc|year|0|
                 ccode, data=data)
summary(demo1, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + politybinary + usaid2 +      cinc | year
```

```
| 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.35586 -0.36898 -0.08374  0.32628  2.08384
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0445453  0.0257639  -1.729 0.083988 .
## oda2              -0.0167180  0.1069434  -0.156 0.875794
## import_dep_lag_1 -0.1639778  0.0884577  -1.854 0.063943 .
## export_dep_lag_1 -1.3444085  0.2636037  -5.100 3.76e-07 ***
## gdppc_wdi_lag_1   0.0172567  0.0007216  23.916  < 2e-16 ***
## politybinary      0.4524015  0.0271198  16.682  < 2e-16 ***
## usaid2            0.4595705  0.1382446   3.324 0.000905 ***
## cinc              9.2734751  0.8791566  10.548  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5324 on 1761 degrees of freedom
##   (1247 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4768   Adjusted R-squared: 0.4712
## Multiple R-squared(proj model): 0.472   Adjusted R-squared: 0.4663
## F-statistic(full model):84.47 on 19 and 1761 DF, p-value: < 2.2e-16
## F-statistic(proj model): 196.8 on 8 and 1761 DF, p-value: < 2.2e-16

demo2 <-  felm(ideal_china ~ oof2*politybinary +
                 oda2+
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 usaid2+
                 cinc|year|0|
                 ccode, data=data)
summary(demo2, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 * politybinary + oda2 +
import_dep_lag_1 +      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc |
year |      0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.39902 -0.36503 -0.08239  0.32821  2.07853
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0090323  0.0262758  -0.344  0.73107
## politybinary       0.4746837  0.0271580  17.479  < 2e-16 ***
```

```
## oda2              -0.0180923  0.1059903  -0.171  0.86448
## import_dep_lag_1  -0.1717883  0.0876797  -1.959  0.05024 .
## export_dep_lag_1  -1.3298897  0.2612660  -5.090 3.96e-07 ***
## gdppc_wdi_lag_1    0.0168207  0.0007192  23.389  < 2e-16 ***
## usaid2             0.4497952  0.1370227   3.283  0.00105 **
## cinc               9.9236104  0.8786773  11.294  < 2e-16 ***
## oof2:politybinary -0.5760344  0.1005437  -5.729 1.18e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5276 on 1760 degrees of freedom
##   (1247 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4864   Adjusted R-squared: 0.4805
## Multiple R-squared(proj model): 0.4817   Adjusted R-squared: 0.4758
## F-statistic(full model):83.33 on 20 and 1760 DF, p-value: < 2.2e-16
## F-statistic(proj model): 181.7 on 9 and 1760 DF, p-value: < 2.2e-16
```

```
demo3 <-  felm(ideal_china ~ oof2 +
                 oda2 +
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 vdembinary+
                 usaid2+
                 cinc|year|0|
                 ccode, data=data)
summary(demo3, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + vdembinary + usaid2 +      cinc | year |
0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.75730 -0.35282 -0.08394  0.28174  2.03267
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2             -0.0524425  0.0251784  -2.083 0.037406 *
## oda2             -0.0645998  0.1026278  -0.629 0.529129
## import_dep_lag_1 -0.0725567  0.0863714  -0.840 0.400989
## export_dep_lag_1 -1.2565863  0.2694397  -4.664 3.33e-06 ***
## gdppc_wdi_lag_1   0.0227248  0.0008192  27.740  < 2e-16 ***
## vdembinary        0.3128476  0.0267531  11.694  < 2e-16 ***
## usaid2            0.4903261  0.1353173   3.624 0.000299 ***
## cinc              8.7787229  0.8623989  10.179  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##
## Residual standard error: 0.5214 on 1810 degrees of freedom
##   (1198 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4934   Adjusted R-squared: 0.4881
## Multiple R-squared(proj model): 0.4882   Adjusted R-squared: 0.4828
## F-statistic(full model):92.78 on 19 and 1810 DF, p-value: < 2.2e-16
## F-statistic(proj model): 215.8 on 8 and 1810 DF, p-value: < 2.2e-16
```

```
demo4 <-  felm(ideal_china ~ oof2*vdembinary +
                 oda2+
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 usaid2+
                 cinc|year|0|
                 ccode, data=data)
summary(demo4, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * vdembinary + oda2 +
import_dep_lag_1 +      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc |
year |      0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.72791 -0.34518 -0.08339  0.28151  2.03181
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0182803  0.0259624  -0.704 0.481458
## vdembinary         0.3333917  0.0269084  12.390  < 2e-16 ***
## oda2              -0.0676412  0.1019770  -0.663 0.507224
## import_dep_lag_1 -0.0838892  0.0858529  -0.977 0.328637
## export_dep_lag_1 -1.2722221  0.2677449  -4.752 2.18e-06 ***
## gdppc_wdi_lag_1   0.0222446  0.0008198  27.133  < 2e-16 ***
## usaid2            0.4821625  0.1344669   3.586 0.000345 ***
## cinc              9.2805816  0.8629539  10.754  < 2e-16 ***
## oof2:vdembinary  -0.4408745  0.0895366  -4.924 9.25e-07 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.518 on 1809 degrees of freedom
##   (1198 observations deleted due to missingness)
## Multiple R-squared(full model): 0.5001   Adjusted R-squared: 0.4946
## Multiple R-squared(proj model): 0.495   Adjusted R-squared: 0.4894
## F-statistic(full model):90.48 on 20 and 1809 DF, p-value: < 2.2e-16
## F-statistic(proj model):   197 on 9 and 1809 DF, p-value: < 2.2e-16
```

```
##########################################
#### Additional Controls for Table A8 ####
##########################################

plus1 <- felm(ideal_china ~ oof2 +
                oda2 +
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                boix_dem+
                usaid2+
                cinc+
                corruption|year|0|
                ccode, data)
summary(plus1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc +
corruption | year | 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.45717 -0.34628 -0.06672  0.28040  1.99168
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2              -0.037581   0.024397  -1.540 0.123651
## oda2              -0.019178   0.101137  -0.190 0.849629
## import_dep_lag_1 -0.025391   0.083697  -0.303 0.761645
## export_dep_lag_1 -0.986422   0.264620  -3.728 0.000199 ***
## gdppc_wdi_lag_1   0.018352   0.001019  18.005  < 2e-16 ***
## boix_dem          0.329169   0.029286  11.240  < 2e-16 ***
## usaid2            0.424241   0.130984   3.239 0.001222 **
## cinc              8.693978   0.833739  10.428  < 2e-16 ***
## corruption       -0.394984   0.066793  -5.914 4.01e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5032 on 1757 degrees of freedom
##   (1250 observations deleted due to missingness)
## Multiple R-squared(full model): 0.5345   Adjusted R-squared: 0.5292
## Multiple R-squared(proj model): 0.5294   Adjusted R-squared: 0.524
## F-statistic(full model):100.9 on 20 and 1757 DF, p-value: < 2.2e-16
## F-statistic(proj model): 219.6 on 9 and 1757 DF, p-value: < 2.2e-16

plus2 <- felm(ideal_china ~ oof2 +
                oda2+
                import_dep_lag_1+
```

```
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                boix_dem+
                usaid2+
                cinc+
                g7dacoda_lag_1+
                mldacoda_lag_1|year|0|
                ccode, data=data)
summary(plus2, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc +
g7dacoda_lag_1 + mldacoda_lag_1 | year | 0 | ccode,      data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.27488 -0.38103 -0.05814  0.33048  2.08326
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2             -0.0552824  0.0253491  -2.181  0.02931 *
## oda2              0.0769167  0.1058351   0.727  0.46746
## import_dep_lag_1 -0.1535986  0.0852970  -1.801  0.07190 .
## export_dep_lag_1 -1.2624932  0.2597915  -4.860 1.27e-06 ***
## gdppc_wdi_lag_1   0.0151388  0.0007334  20.641  < 2e-16 ***
## boix_dem          0.4418975  0.0254683  17.351  < 2e-16 ***
## usaid2            0.4497234  0.1367629   3.288  0.00103 **
## cinc             11.2569648  0.8730766  12.893  < 2e-16 ***
## g7dacoda_lag_1   -0.0329662  0.0160762  -2.051  0.04044 *
## mldacoda_lag_1   -0.4620979  0.0654556  -7.060 2.30e-12 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5269 on 1969 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4747   Adjusted R-squared: 0.4691
## Multiple R-squared(proj model): 0.4694   Adjusted R-squared: 0.4637
## F-statistic(full model):84.73 on 21 and 1969 DF, p-value: < 2.2e-16
## F-statistic(proj model): 174.2 on 10 and 1969 DF, p-value: < 2.2e-16

plus3 <- felm(ideal_china ~ oof2 +
                oda2+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                boix_dem+
                usaid2+
                cinc+
```

```
                corruption+
                g7dacoda_lag_1+
                mldacoda_lag_1|year|0|
                ccode, data=data)
summary(plus3, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc +
corruption + g7dacoda_lag_1 + mldacoda_lag_1 | year |      0 | ccode, data =
data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.44844 -0.34434 -0.05242  0.27240  1.97576
##
## Coefficients:
##                   Estimate Std. Error t value Pr(>|t|)
## oof2              -0.04400    0.02406  -1.829   0.0676 .
## oda2               0.04048    0.10003   0.405   0.6858
## import_dep_lag_1 -0.02392    0.08252  -0.290   0.7719
## export_dep_lag_1 -1.19057    0.26230  -4.539 6.03e-06 ***
## gdppc_wdi_lag_1   0.01710    0.00102  16.771  < 2e-16 ***
## boix_dem          0.32624    0.02892  11.281  < 2e-16 ***
## usaid2            0.39963    0.12914   3.095   0.0020 **
## cinc              9.65885    0.83238  11.604  < 2e-16 ***
## corruption       -0.32147    0.06659  -4.828 1.50e-06 ***
## g7dacoda_lag_1   -0.03254    0.01516  -2.145   0.0321 *
## mldacoda_lag_1   -0.40210    0.06325  -6.358 2.61e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.496 on 1755 degrees of freedom
##   (1250 observations deleted due to missingness)
## Multiple R-squared(full model): 0.5484   Adjusted R-squared: 0.5427
## Multiple R-squared(proj model): 0.5434   Adjusted R-squared: 0.5377
## F-statistic(full model):96.87 on 22 and 1755 DF, p-value: < 2.2e-16
## F-statistic(proj model): 189.9 on 11 and 1755 DF, p-value: < 2.2e-16
```

```
plus4 <- felm(ideal_china ~ oof2*boix_dem +
                oda2+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                usaid2+
                cinc+
                corruption|year|0|
                ccode, data=data)
summary(plus4, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc + corruption |
year | 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.42585 -0.34091 -0.07012  0.28185  1.98966
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -3.944e-05  2.512e-02  -0.002 0.998748
## boix_dem           3.544e-01  2.939e-02  12.056  < 2e-16 ***
## oda2              -1.395e-02  1.003e-01  -0.139 0.889402
## import_dep_lag_1 -3.820e-02  8.303e-02  -0.460 0.645493
## export_dep_lag_1 -1.004e+00  2.624e-01  -3.826 0.000135 ***
## gdppc_wdi_lag_1   1.787e-02  1.015e-03  17.610  < 2e-16 ***
## usaid2            4.153e-01  1.299e-01   3.197 0.001413 **
## cinc              9.213e+00  8.320e-01  11.072  < 2e-16 ***
## corruption       -3.885e-01  6.624e-02  -5.864 5.39e-09 ***
## oof2:boix_dem    -4.741e-01  8.543e-02  -5.549 3.32e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.499 on 1756 degrees of freedom
##   (1250 observations deleted due to missingness)
## Multiple R-squared(full model): 0.5425   Adjusted R-squared: 0.5371
## Multiple R-squared(proj model): 0.5375   Adjusted R-squared: 0.532
## F-statistic(full model):99.17 on 21 and 1756 DF, p-value: < 2.2e-16
## F-statistic(proj model): 204.1 on 10 and 1756 DF, p-value: < 2.2e-16
```

```
plus5 <- felm(ideal_china ~ oof2*boix_dem +
                oda2+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                usaid2+
                cinc+
                g7dacoda_lag_1+
                mldacoda_lag_1|year|0|
                ccode, data=data)
summary(plus5, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc + g7dacoda_lag_1 +
mldacoda_lag_1 | year | 0 | ccode, data = data)
##
```

```
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.24001 -0.37481 -0.05162  0.32176  2.08025
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0146092  0.0262586  -0.556  0.57803
## boix_dem           0.4635167  0.0255976  18.108  < 2e-16 ***
## oda2               0.0766947  0.1050777   0.730  0.46555
## import_dep_lag_1 -0.1656256  0.0847155  -1.955  0.05071 .
## export_dep_lag_1 -1.2551755  0.2579358  -4.866 1.23e-06 ***
## gdppc_wdi_lag_1    0.0148990  0.0007295  20.423  < 2e-16 ***
## usaid2             0.4436114  0.1357888   3.267  0.00111 **
## cinc              11.6522096  0.8698788  13.395  < 2e-16 ***
## g7dacoda_lag_1    -0.0294333  0.0159744  -1.843  0.06555 .
## mldacoda_lag_1    -0.4355989  0.0651701  -6.684 3.02e-11 ***
## oof2:boix_dem     -0.4695281  0.0864650  -5.430 6.32e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5232 on 1968 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4825   Adjusted R-squared: 0.4767
## Multiple R-squared(proj model): 0.4772   Adjusted R-squared: 0.4714
## F-statistic(full model):83.39 on 22 and 1968 DF, p-value: < 2.2e-16
## F-statistic(proj model): 163.3 on 11 and 1968 DF, p-value: < 2.2e-16
```

```
plus6 <- felm(ideal_china ~ oof2*boix_dem +
                oda2+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                usaid2+
                cinc+
                corruption+
                g7dacoda_lag_1+
                mldacoda_lag_1|year|0|
                ccode, data=data)
summary(plus6, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc + corruption +
g7dacoda_lag_1 + mldacoda_lag_1 | year | 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.42097 -0.34307 -0.04866  0.26510  1.97510
##
```

```
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2              -0.010324   0.024846  -0.416  0.67781
## boix_dem           0.348923   0.029089  11.995  < 2e-16 ***
## oda2               0.041599   0.099368   0.419  0.67553
## import_dep_lag_1  -0.035177   0.082001  -0.429  0.66799
## export_dep_lag_1  -1.193647   0.260549  -4.581 4.95e-06 ***
## gdppc_wdi_lag_1    0.016748   0.001016  16.489  < 2e-16 ***
## usaid2             0.393184   0.128283   3.065  0.00221 **
## cinc              10.060234   0.830788  12.109  < 2e-16 ***
## corruption        -0.320231   0.066143  -4.842 1.40e-06 ***
## g7dacoda_lag_1    -0.029271   0.015079  -1.941  0.05239 .
## mldacoda_lag_1    -0.379792   0.062986  -6.030 2.00e-09 ***
## oof2:boix_dem     -0.420243   0.084720  -4.960 7.72e-07 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4927 on 1754 degrees of freedom
##   (1250 observations deleted due to missingness)
## Multiple R-squared(full model): 0.5546   Adjusted R-squared: 0.5488
## Multiple R-squared(proj model): 0.5497   Adjusted R-squared: 0.5438
## F-statistic(full model):94.97 on 23 and 1754 DF, p-value: < 2.2e-16
## F-statistic(proj model): 178.5 on 12 and 1754 DF, p-value: < 2.2e-16

########################################
#### Alternative Samples Table A9 ####
########################################

micro <- data %>% filter(population_wdi>200000) #### Create data omitting
microstates ####
deving <- data %>% filter(deving!=0) #### Create data omitting developed
countries ####
africa <- data %>% filter(continent2=='Africa') #### Create data with just
African countries ####

micro1 <-  felm(ideal_china ~ oof2 +
                  oda2+
                  import_dep_lag_1+
                  export_dep_lag_1+
                  gdppc_wdi_lag_1+
                  boix_dem+
                  usaid2+
                  cinc|year|0|
                  ccode, data=micro)
summary(micro1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | year | 0
```

```
| ccode, data = micro)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.38851 -0.37499 -0.05611  0.32091  2.09216
##
## Coefficients:
##                   Estimate Std. Error t value Pr(>|t|)
## oof2             -0.049864   0.025189  -1.980 0.047900 *
## oda2              0.011328   0.104869   0.108 0.913992
## import_dep_lag_1 -0.098076   0.086498  -1.134 0.257003
## export_dep_lag_1 -1.011494   0.258528  -3.913 9.46e-05 ***
## gdppc_wdi_lag_1   0.016939   0.000693  24.442  < 2e-16 ***
## boix_dem          0.496014   0.025833  19.201  < 2e-16 ***
## usaid2            0.476321   0.135777   3.508 0.000462 ***
## cinc              9.939748   0.857610  11.590  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5232 on 1864 degrees of freedom
##   (803 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4858   Adjusted R-squared: 0.4805
## Multiple R-squared(proj model): 0.4807   Adjusted R-squared: 0.4754
## F-statistic(full model):92.67 on 19 and 1864 DF, p-value: < 2.2e-16
## F-statistic(proj model): 215.7 on 8 and 1864 DF, p-value: < 2.2e-16
```

```
micro2 <-  felm(ideal_china ~ oof2*boix_dem +
                  oda2+
                  import_dep_lag_1+
                  export_dep_lag_1+
                  gdppc_wdi_lag_1+
                  usaid2+
                  cinc|year|0|
                  ccode, data=micro)
summary(micro2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc | year |      0 |
ccode, data = micro)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.44266 -0.36004 -0.05164  0.31278  2.08616
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0027766  0.0259695  -0.107 0.914865
## boix_dem           0.5213586  0.0258575  20.163  < 2e-16 ***
```

```
## oda2              0.0147361  0.1037485   0.142 0.887066
## import_dep_lag_1 -0.1106599  0.0855952  -1.293 0.196231
## export_dep_lag_1 -1.0239110  0.2557703  -4.003 6.49e-05 ***
## gdppc_wdi_lag_1   0.0164940  0.0006891  23.935  < 2e-16 ***
## usaid2            0.4652697  0.1343364   3.463 0.000545 ***
## cinc             10.4673972  0.8523815  12.280  < 2e-16 ***
## oof2:boix_dem    -0.5499119  0.0853456  -6.443 1.48e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5176 on 1863 degrees of freedom
##   (803 observations deleted due to missingness)
## Multiple R-squared(full model): 0.497   Adjusted R-squared: 0.4916
## Multiple R-squared(proj model): 0.492   Adjusted R-squared: 0.4866
## F-statistic(full model):92.03 on 20 and 1863 DF, p-value: < 2.2e-16
## F-statistic(proj model): 200.5 on 9 and 1863 DF, p-value: < 2.2e-16

dev1 <-  felm(ideal_china ~ oof2 +
                oda2+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                boix_dem+
                usaid2+
                cinc|year|0|
                ccode, data=deving)
summary(dev1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | year | 0
| ccode, data = deving)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -0.7302 -0.2976 -0.1265  0.1515  2.6035
##
## Coefficients:
##                   Estimate Std. Error t value Pr(>|t|)
## oof2             -0.015466   0.023046  -0.671   0.5023
## oda2             -0.017761   0.094536  -0.188   0.8510
## import_dep_lag_1 -0.088105   0.076828  -1.147   0.2516
## export_dep_lag_1 -0.460997   0.233124  -1.977   0.0482 *
## gdppc_wdi_lag_1   0.005157   0.001202   4.289  1.9e-05 ***
## boix_dem          0.227568   0.024246   9.386  < 2e-16 ***
## usaid2           -4.358460   1.924477  -2.265   0.0237 *
## cinc              3.288573   1.427582   2.304   0.0214 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##
## Residual standard error: 0.47 on 1553 degrees of freedom
##   (865 observations deleted due to missingness)
## Multiple R-squared(full model): 0.08884   Adjusted R-squared: 0.07769
## Multiple R-squared(proj model): 0.0761   Adjusted R-squared: 0.0648
## F-statistic(full model):7.969 on 19 and 1553 DF, p-value: < 2.2e-16
## F-statistic(proj model): 15.99 on 8 and 1553 DF, p-value: < 2.2e-16
```

```
dev2 <-  felm(ideal_china ~ oof2*boix_dem +
                oda2+
                gdppc_wdi_lag_1+
                import_dep_lag_1+
                export_dep_lag_1+
                usaid2+
                cinc|year|0|
                ccode, data=deving)
summary(dev2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + gdppc_wdi_lag_1 +
import_dep_lag_1 + export_dep_lag_1 + usaid2 + cinc | year |      0 | ccode,
data = deving)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -0.7787 -0.2948 -0.1256  0.1499  2.5944
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2               0.003347   0.023732   0.141  0.88787
## boix_dem           0.240128   0.024498   9.802  < 2e-16 ***
## oda2              -0.015424   0.094264  -0.164  0.87005
## gdppc_wdi_lag_1    0.005175   0.001199   4.317 1.68e-05 ***
## import_dep_lag_1 -0.094339   0.076630  -1.231  0.21847
## export_dep_lag_1 -0.472743   0.232476  -2.034  0.04217 *
## usaid2           -4.347659   1.918889  -2.266  0.02361 *
## cinc              4.192840   1.451696   2.888  0.00393 **
## oof2:boix_dem    -0.250240   0.078885  -3.172  0.00154 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4687 on 1552 degrees of freedom
##   (865 observations deleted due to missingness)
## Multiple R-squared(full model): 0.09471   Adjusted R-squared: 0.08304
## Multiple R-squared(proj model): 0.08205   Adjusted R-squared: 0.07022
## F-statistic(full model):8.118 on 20 and 1552 DF, p-value: < 2.2e-16
## F-statistic(proj model): 15.41 on 9 and 1552 DF, p-value: < 2.2e-16
```

```
africa1 <-  felm(ideal_china ~ oof2 +
                   oda2+
                   import_dep_lag_1+
                   export_dep_lag_1+
                   gdppc_wdi_lag_1+
                   boix_dem+
                   usaid2+
                   cinc|year|0|
                   ccode, data=africa)
summary(africa1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | year | 0
| ccode, data = africa)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.37623 -0.14698 -0.05090  0.09121  0.77231
##
## Coefficients:
##                   Estimate Std. Error t value Pr(>|t|)
## oof2               0.12588    0.07548   1.668  0.09597 .
## oda2               0.26769    0.09319   2.873  0.00423 **
## import_dep_lag_1   0.10562    0.04113   2.568  0.01050 *
## export_dep_lag_1  -0.38919    0.17370  -2.241  0.02547 *
## gdppc_wdi_lag_1    0.01182    0.00260   4.544 6.83e-06 ***
## boix_dem          -0.02063    0.02033  -1.015  0.31073
## usaid2             0.59879    1.21040   0.495  0.62102
## cinc               5.18213    5.43287   0.954  0.34060
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.2118 on 530 degrees of freedom
##   (272 observations deleted due to missingness)
## Multiple R-squared(full model): 0.1196   Adjusted R-squared: 0.08804
## Multiple R-squared(proj model): 0.06475   Adjusted R-squared: 0.03123
## F-statistic(full model):3.789 on 19 and 530 DF, p-value: 1.583e-07
## F-statistic(proj model): 4.587 on 8 and 530 DF, p-value: 2.009e-05

africa2 <-  felm(ideal_china ~ oof2*boix_dem +
                   oda2+
                   gdppc_wdi_lag_1+
                   import_dep_lag_1+
                   export_dep_lag_1+
                   gdppc_wdi_lag_1+
                   usaid2+
                   cinc|year|0|
```

```
                    ccode, data=africa)
summary(africa2, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + gdppc_wdi_lag_1 +
import_dep_lag_1 + export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 +      cinc |
year | 0 | ccode, data = africa)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.38656 -0.14571 -0.04974  0.09590  0.75373
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2               0.181822   0.081143   2.241  0.02546 *
## boix_dem          -0.010071   0.021072  -0.478  0.63291
## oda2               0.272495   0.093009   2.930  0.00354 **
## gdppc_wdi_lag_1    0.012356   0.002611   4.733 2.84e-06 ***
## import_dep_lag_1   0.103625   0.041048   2.524  0.01188 *
## export_dep_lag_1  -0.415003   0.173861  -2.387  0.01734 *
## usaid2             0.606357   1.207643   0.502  0.61581
## cinc               6.056579   5.440992   1.113  0.26615
## oof2:boix_dem     -0.343029   0.185247  -1.852  0.06462 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.2113 on 529 degrees of freedom
##   (272 observations deleted due to missingness)
## Multiple R-squared(full model): 0.1253   Adjusted R-squared: 0.0922
## Multiple R-squared(proj model): 0.07078   Adjusted R-squared: 0.03565
## F-statistic(full model):3.788 on 20 and 529 DF, p-value: 8.602e-08
## F-statistic(proj model): 4.477 on 9 and 529 DF, p-value: 1.111e-05

#####################################
#### 2way FEs and PCSE Table A10 ####
#####################################

pdata <- pdata.frame(data, index=c('ccode','year')) #### Create pdata.frame
for use in the PCSE models ####

fe1 <- felm(ideal_china ~ oof2 +
              oda2+
              import_dep_lag_1+
              export_dep_lag_1+
              gdppc_wdi_lag_1+
              boix_dem+
              usaid2+
              cinc|ccode+year|0|ccode, data=data)
summary(fe1, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | ccode +
year | 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.88810 -0.09060 -0.00297  0.08244  0.87102
##
## Coefficients:
##                   Estimate Std. Error t value Pr(>|t|)
## oof2             -0.010874   0.008670  -1.254  0.21145
## oda2              0.069039   0.035891   1.924  0.05601 .
## import_dep_lag_1  0.045413   0.042296   1.074  0.28442
## export_dep_lag_1 -0.547235   0.174582  -3.135  0.00202 **
## gdppc_wdi_lag_1  -0.006658   0.002453  -2.714  0.00731 **
## boix_dem         -0.039266   0.024014  -1.635  0.10380
## usaid2           -0.052684   0.056073  -0.940  0.34872
## cinc              9.169054   4.566428   2.008  0.04617 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1625 on 1794 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.9545   Adjusted R-squared: 0.9495
## Multiple R-squared(proj model): 0.01811   Adjusted R-squared: -0.08917
## F-statistic(full model):191.9 on 196 and 1794 DF, p-value: < 2.2e-16
## F-statistic(proj model): 4.135 on 8 and 177 DF, p-value: 0.0001506
```

```
fe2 <- felm(ideal_china ~ oof2*boix_dem +
              oda2+
              import_dep_lag_1+
              export_dep_lag_1+
              gdppc_wdi_lag_1+
              usaid2+
              cinc|ccode+year|0|ccode, data=data)
summary(fe2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc | ccode +      year
| 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.88887 -0.09043 -0.00274  0.08199  0.87027
##
## Coefficients:
```

```
##                    Estimate Std. Error t value Pr(>|t|)
## oof2              -0.007879   0.009058  -0.870  0.38559
## boix_dem          -0.036344   0.024148  -1.505  0.13409
## oda2               0.068564   0.035890   1.910  0.05770 .
## import_dep_lag_1   0.044460   0.042301   1.051  0.29467
## export_dep_lag_1  -0.551298   0.174604  -3.157  0.00187 **
## gdppc_wdi_lag_1   -0.006713   0.002453  -2.736  0.00685 **
## usaid2            -0.052672   0.056069  -0.939  0.34879
## cinc               9.814022   4.600886   2.133  0.03430 *
## oof2:boix_dem     -0.034935   0.030612  -1.141  0.25532
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1625 on 1793 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.9545   Adjusted R-squared: 0.9495
## Multiple R-squared(proj model): 0.01882   Adjusted R-squared: -0.08899
## F-statistic(full model):  191 on 197 and 1793 DF, p-value: < 2.2e-16
## F-statistic(proj model): 3.821 on 9 and 177 DF, p-value: 0.0001965
```

```
pcse1 <- plm(ideal_china ~ oof2 +
               oda2+
               import_dep_lag_1+
               export_dep_lag_1+
               gdppc_wdi_lag_1+
               boix_dem+
               usaid2+
               cinc, data=pdata, model='pooling')
pcse1s <- coeftest(pcse1, vcov.=function(x) vcovBK(x, type="HC1",
cluster='time'))

pcse2 <- plm(ideal_china ~ oof2*boix_dem +
               oda2+
               import_dep_lag_1+
               export_dep_lag_1+
               gdppc_wdi_lag_1+
               usaid2+
               cinc, model='pooling', data=pdata)
pcse2s <- coeftest(pcse2, vcov.=function(x) vcovBK(x, type="HC1",
cluster='time'))

####################################
#### Single Aid Type Table A11 ####
####################################

oofonly1 <-  felm(ideal_china ~ oof2+
                    import_dep_lag_1+
                    export_dep_lag_1+
                    gdppc_wdi_lag_1+
                    boix_dem+
```

```
                    usaid2+
                    cinc|year|0|
                    ccode, data=data)
summary(oofonly1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 + import_dep_lag_1 + export_dep_lag_1
+      gdppc_wdi_lag_1 + boix_dem + usaid2 + cinc | year | 0 | ccode,
data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.37897 -0.38124 -0.06508  0.33341  2.10701
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0516583  0.0257391  -2.007 0.044886 *
## import_dep_lag_1 -0.1621760  0.0865805  -1.873 0.061199 .
## export_dep_lag_1 -1.0577797  0.2625647  -4.029 5.82e-05 ***
## gdppc_wdi_lag_1   0.0170405  0.0007031  24.237  < 2e-16 ***
## boix_dem          0.4623921  0.0255588  18.091  < 2e-16 ***
## usaid2            0.4859880  0.1388140   3.501 0.000474 ***
## cinc             10.1320473  0.8751360  11.578  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5351 on 1972 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4574   Adjusted R-squared: 0.4524
## Multiple R-squared(proj model): 0.4519   Adjusted R-squared: 0.4469
## F-statistic(full model):92.35 on 18 and 1972 DF, p-value: < 2.2e-16
## F-statistic(proj model): 232.3 on 7 and 1972 DF, p-value: < 2.2e-16

oofonly2 <-  felm(ideal_china ~ oof2*boix_dem+
                    gdppc_wdi_lag_1+
                    import_dep_lag_1+
                    export_dep_lag_1+
                    gdppc_wdi_lag_1+
                    usaid2+
                    cinc|year|0|
                    ccode, data=data)
summary(oofonly2, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + gdppc_wdi_lag_1 +
import_dep_lag_1 + export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 +      cinc |
year | 0 | ccode, data = data)
##
```

```
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.44802 -0.37688 -0.06606  0.32803  2.10175
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2             -0.0059003  0.0265905  -0.222 0.824417
## boix_dem          0.4850933  0.0256010  18.948  < 2e-16 ***
## gdppc_wdi_lag_1   0.0166333  0.0006999  23.764  < 2e-16 ***
## import_dep_lag_1 -0.1754584  0.0858268  -2.044 0.041053 *
## export_dep_lag_1 -1.0642156  0.2601970  -4.090 4.49e-05 ***
## usaid2            0.4764516  0.1375700   3.463 0.000545 ***
## cinc             10.6585724  0.8715364  12.230  < 2e-16 ***
## oof2:boix_dem    -0.5312590  0.0872377  -6.090 1.36e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5303 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4674   Adjusted R-squared: 0.4623
## Multiple R-squared(proj model): 0.462   Adjusted R-squared: 0.4568
## F-statistic(full model):91.04 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 211.6 on 8 and 1971 DF, p-value: < 2.2e-16

odaonly1 <-  felm(ideal_china ~ oda2+
                    import_dep_lag_1+
                    export_dep_lag_1+
                    gdppc_wdi_lag_1+
                    boix_dem+
                    usaid2+
                    cinc|year|0|
                    ccode, data=data)
summary(odaonly1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oda2 + import_dep_lag_1 + export_dep_lag_1
+      gdppc_wdi_lag_1 + boix_dem + usaid2 + cinc | year | 0 | ccode,
data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.36614 -0.38149 -0.06439  0.33173  2.10562
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oda2              0.0043600  0.1071601   0.041 0.967550
## import_dep_lag_1 -0.1581601  0.0866549  -1.825 0.068126 .
## export_dep_lag_1 -1.0764643  0.2626727  -4.098 4.33e-05 ***
## gdppc_wdi_lag_1   0.0171084  0.0007044  24.286  < 2e-16 ***
```

```
## boix_dem          0.4653388  0.0256715  18.127  < 2e-16 ***
## usaid2            0.4874137  0.1389575   3.508 0.000462 ***
## cinc              9.9286288  0.8701344  11.410  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5357 on 1972 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4563   Adjusted R-squared: 0.4513
## Multiple R-squared(proj model): 0.4508   Adjusted R-squared: 0.4458
## F-statistic(full model):91.94 on 18 and 1972 DF, p-value: < 2.2e-16
## F-statistic(proj model): 231.2 on 7 and 1972 DF, p-value: < 2.2e-16
```

```
##################################
#### Varying Lags Table A12 ####
##################################
```

```
lags1 <- felm(ideal_china ~ oof+
                oda+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                boix_dem+
                usaid2+
                cinc|year|0|
                ccode, data=data)
summary(lags1, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof + oda + import_dep_lag_1 +
export_dep_lag_1 +      gdppc_wdi_lag_1 + boix_dem + usaid2 + cinc | year | 0
| ccode,      data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.37234 -0.38101 -0.06511  0.33350  2.10633
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof              -0.0244949  0.0180249  -1.359 0.174319
## oda               0.0152369  0.0729322   0.209 0.834533
## import_dep_lag_1 -0.1597816  0.0866464  -1.844 0.065324 .
## export_dep_lag_1 -1.0672288  0.2626948  -4.063 5.04e-05 ***
## gdppc_wdi_lag_1   0.0170797  0.0007042  24.254  < 2e-16 ***
## boix_dem          0.4641747  0.0256377  18.105  < 2e-16 ***
## usaid2            0.4864948  0.1389268   3.502 0.000472 ***
## cinc             10.0258990  0.8728379  11.487  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##
## Residual standard error: 0.5356 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4568   Adjusted R-squared: 0.4516
## Multiple R-squared(proj model): 0.4513   Adjusted R-squared: 0.446
## F-statistic(full model):87.24 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 202.6 on 8 and 1971 DF, p-value: < 2.2e-16
```

```
lags2 <- felm(ideal_china ~ oof*boix_dem+
                oda+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                usaid2+
                cinc|year|0|
                ccode, data=data)
summary(lags2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof * boix_dem + oda + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc | year |      0 | ccode,
data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.39762 -0.38131 -0.06772  0.32971  2.10342
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oof               -0.0027968  0.0187224  -0.149 0.881267
## boix_dem           0.4764906  0.0257135  18.531  < 2e-16 ***
## oda                0.0225188  0.0726654   0.310 0.756672
## import_dep_lag_1 -0.1657565  0.0863158  -1.920 0.054958 .
## export_dep_lag_1 -1.0701906  0.2616559  -4.090 4.49e-05 ***
## gdppc_wdi_lag_1    0.0168678  0.0007033  23.983  < 2e-16 ***
## usaid2             0.4812189  0.1383828   3.477 0.000517 ***
## cinc              10.2898842  0.8717797  11.803  < 2e-16 ***
## oof:boix_dem      -0.2596679  0.0635460  -4.086 4.56e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5334 on 1970 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4614   Adjusted R-squared: 0.4559
## Multiple R-squared(proj model): 0.4559   Adjusted R-squared: 0.4504
## F-statistic(full model):84.37 on 20 and 1970 DF, p-value: < 2.2e-16
## F-statistic(proj model): 183.4 on 9 and 1970 DF, p-value: < 2.2e-16
```

```
lags3 <- felm(ideal_china ~ oof_lag_1+
                oda_lag_1+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                boix_dem+
                usaid2+
                cinc|year|0|
                ccode, data=data)
summary(lags3, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oof_lag_1 + oda_lag_1 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | year | 0
| ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.37314 -0.38282 -0.06501  0.33374  2.10647
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof_lag_1        -0.0287260  0.0189161  -1.519 0.129022
## oda_lag_1        -0.0139979  0.0820418  -0.171 0.864540
## import_dep_lag_1 -0.1605483  0.0866309  -1.853 0.063997 .
## export_dep_lag_1 -1.0669137  0.2626718  -4.062 5.06e-05 ***
## gdppc_wdi_lag_1   0.0170682  0.0007037  24.254  < 2e-16 ***
## boix_dem          0.4635094  0.0256098  18.099  < 2e-16 ***
## usaid2            0.4869354  0.1389087   3.505 0.000466 ***
## cinc             10.0411161  0.8730143  11.502  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5355 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4569   Adjusted R-squared: 0.4517
## Multiple R-squared(proj model): 0.4514   Adjusted R-squared: 0.4461
## F-statistic(full model):87.28 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 202.8 on 8 and 1971 DF, p-value: < 2.2e-16

lags4 <- felm(ideal_china ~ oof_lag_1*boix_dem+
                oda_lag_1+
                import_dep_lag_1+
                export_dep_lag_1+
                gdppc_wdi_lag_1+
                usaid2+
                cinc|year|0|
                ccode, data=data)
summary(lags4, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof_lag_1 * boix_dem + oda_lag_1 +
import_dep_lag_1 + export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 +      cinc |
year | 0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.42029 -0.38138 -0.06475  0.32969  2.10351
##
## Coefficients:
##                       Estimate Std. Error t value Pr(>|t|)
## oof_lag_1          -0.0012505  0.0195275  -0.064 0.948948
## boix_dem            0.4771429  0.0255794  18.653  < 2e-16 ***
## oda_lag_1          -0.0142284  0.0815094  -0.175 0.861442
## import_dep_lag_1   -0.1703510  0.0860896  -1.979 0.047982 *
## export_dep_lag_1   -1.0699480  0.2609678  -4.100 4.30e-05 ***
## gdppc_wdi_lag_1     0.0168117  0.0007009  23.986  < 2e-16 ***
## usaid2              0.4813940  0.1380113   3.488 0.000497 ***
## cinc               10.4032437  0.8701616  11.956  < 2e-16 ***
## oof_lag_1:boix_dem -0.3573102  0.0689781  -5.180 2.44e-07 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.532 on 1970 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4642   Adjusted R-squared: 0.4588
## Multiple R-squared(proj model): 0.4588   Adjusted R-squared: 0.4533
## F-statistic(full model):85.35 on 20 and 1970 DF, p-value: < 2.2e-16
## F-statistic(proj model): 185.6 on 9 and 1970 DF, p-value: < 2.2e-16
```

```
###################################
#### Extended Period with WPI ####
###################################

wpi1 <- felm(ideal_china ~ oof2 +
               oda2+
               import_dep_lag_1+
               export_dep_lag_1+
               gdppc_wdi_lag_1+
               boix_dem+
               usaid2+
               wpi|year|0|
               ccode, data=data)
summary(wpi1, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      wpi | year | 0
```

```
| ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.24302 -0.36187 -0.04601  0.29733  1.94766
##
## Coefficients:
##                   Estimate Std. Error t value Pr(>|t|)
## oof2             -0.085788   0.021883  -3.920 9.10e-05 ***
## oda2             -0.004909   0.087547  -0.056 0.955290
## import_dep_lag_1  0.038026   0.073704   0.516 0.605951
## export_dep_lag_1 -1.072759   0.198155  -5.414 6.79e-08 ***
## gdppc_wdi_lag_1   0.009273   0.000738  12.566  < 2e-16 ***
## boix_dem          0.368191   0.022247  16.550  < 2e-16 ***
## usaid2            0.442381   0.126084   3.509 0.000459 ***
## wpi               1.496534   0.075779  19.749  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5024 on 2385 degrees of freedom
##   (620 observations deleted due to missingness)
## Multiple R-squared(full model): 0.5016   Adjusted R-squared: 0.497
## Multiple R-squared(proj model): 0.4952   Adjusted R-squared: 0.4905
## F-statistic(full model):109.1 on 22 and 2385 DF, p-value: < 2.2e-16
## F-statistic(proj model): 292.4 on 8 and 2385 DF, p-value: < 2.2e-16
```

```
wpi2 <- felm(ideal_china ~ oof2*boix_dem+
               oda2+
               import_dep_lag_1+
               export_dep_lag_1+
               gdppc_wdi_lag_1+
               usaid2+
               wpi|year|0|
               ccode, data=data)
summary(wpi2, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oof2 * boix_dem + oda2 + import_dep_lag_1
+      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + wpi | year |      0 |
ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.24041 -0.36058 -0.04641  0.29588  1.93878
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oof2              -0.0254311  0.0238332  -1.067 0.286059
## boix_dem           0.3886452  0.0223271  17.407  < 2e-16 ***
```

```
## oda2              0.0113549  0.0869196   0.131 0.896074
## import_dep_lag_1  0.0344173  0.0731444   0.471 0.638012
## export_dep_lag_1 -1.0947544  0.1966772  -5.566 2.89e-08 ***
## gdppc_wdi_lag_1   0.0088069  0.0007363  11.962  < 2e-16 ***
## usaid2            0.4324154  0.1251338   3.456 0.000559 ***
## wpi               1.5283928  0.0753796  20.276  < 2e-16 ***
## oof2:boix_dem    -0.3401537  0.0553376  -6.147 9.24e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4985 on 2384 degrees of freedom
##   (620 observations deleted due to missingness)
## Multiple R-squared(full model): 0.5093   Adjusted R-squared: 0.5046
## Multiple R-squared(proj model): 0.503   Adjusted R-squared: 0.4982
## F-statistic(full model):107.6 on 23 and 2384 DF, p-value: < 2.2e-16
## F-statistic(proj model): 268.1 on 9 and 2384 DF, p-value: < 2.2e-16

############################
#### Sectors Table A14 ####
############################

oofpi1 <- felm(ideal_china ~ oofpi2 +
                 oda2+
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 boix_dem+
                 usaid2+
                 cinc|year|0|
                 ccode, data=data)
summary(oofpi1, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oofpi2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | year | 0
| ccode, data = data)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -1.3767 -0.3815 -0.0645  0.3340  2.1073
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oofpi2           -0.0537318  0.0266508  -2.016 0.043921 *
## oda2              0.0157842  0.1072267   0.147 0.882986
## import_dep_lag_1 -0.1613534  0.0866021  -1.863 0.062589 .
## export_dep_lag_1 -1.0523740  0.2627406  -4.005 6.42e-05 ***
## gdppc_wdi_lag_1   0.0170377  0.0007048  24.175  < 2e-16 ***
## boix_dem          0.4621539  0.0257002  17.983  < 2e-16 ***
```

```
## usaid2            0.4858203  0.1388519   3.499 0.000478 ***
## cinc             10.1009162  0.8736484  11.562  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5353 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4574   Adjusted R-squared: 0.4522
## Multiple R-squared(proj model): 0.4519   Adjusted R-squared: 0.4466
## F-statistic(full model):87.45 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 203.1 on 8 and 1971 DF, p-value: < 2.2e-16
```

```
oofpi2 <- felm(ideal_china ~ oofpi2*boix_dem +
                 oda2+
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 usaid2+
                 cinc|year|0|
                 ccode, data=data)
summary(oofpi2, robust=F)
```

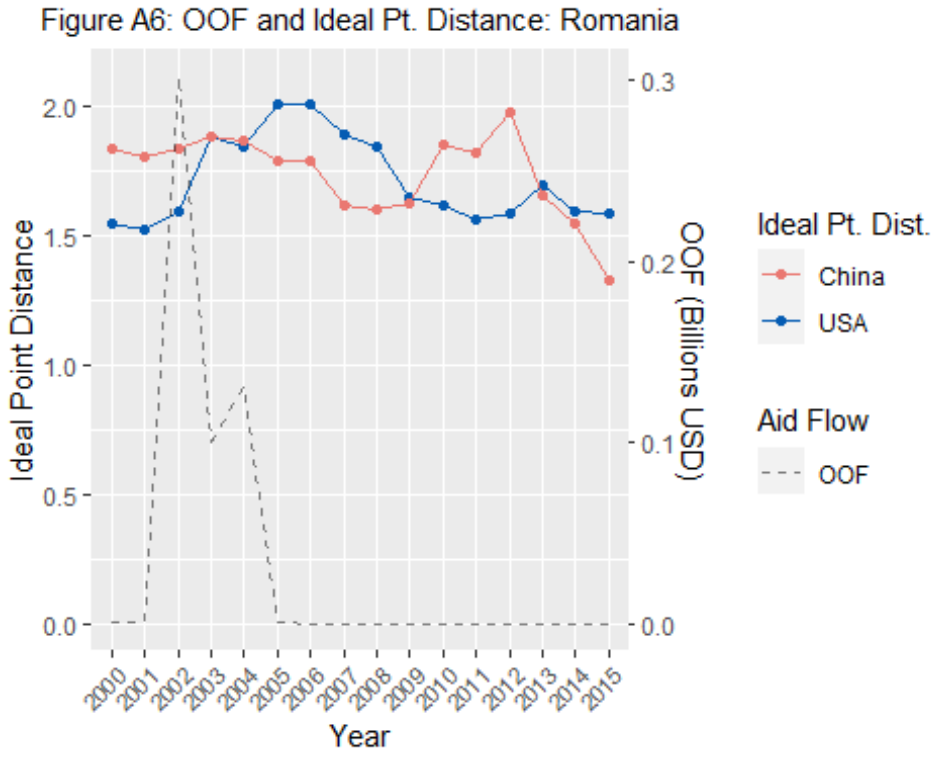
```
##
## Call:
##    felm(formula = ideal_china ~ oofpi2 * boix_dem + oda2 +
import_dep_lag_1 +      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc |
year |      0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.42522 -0.37494 -0.06923  0.32793  2.10037
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oofpi2           -0.0056642  0.0273780  -0.207 0.836119
## boix_dem          0.4897176  0.0257790  18.997  < 2e-16 ***
## oda2              0.0331368  0.1061416   0.312 0.754926
## import_dep_lag_1 -0.1787071  0.0857400  -2.084 0.037262 *
## export_dep_lag_1 -1.0589583  0.2600024  -4.073 4.83e-05 ***
## gdppc_wdi_lag_1   0.0165706  0.0007011  23.636  < 2e-16 ***
## usaid2            0.4721068  0.1374197   3.436 0.000604 ***
## cinc             10.4121464  0.8658457  12.025  < 2e-16 ***
## oofpi2:boix_dem  -0.6161266  0.0942162  -6.539 7.84e-11 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5297 on 1970 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4689   Adjusted R-squared: 0.4635
## Multiple R-squared(proj model): 0.4636   Adjusted R-squared: 0.4581
```

```
## F-statistic(full model):86.98 on 20 and 1970 DF, p-value: < 2.2e-16
## F-statistic(proj model): 189.2 on 9 and 1970 DF, p-value: < 2.2e-16
```

```
oofsi1 <- felm(ideal_china ~ oofsi2 +
                 oda2+
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 boix_dem+
                 usaid2+
                 cinc|year|0|
                 0, data=data)
summary(oofsi1, robust=F)
```

```
##
## Call:
##    felm(formula = ideal_china ~ oofsi2 + oda2 + import_dep_lag_1 +
export_dep_lag_1 + gdppc_wdi_lag_1 + boix_dem + usaid2 +      cinc | year | 0
| 0, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.36608 -0.38144 -0.06744  0.33626  2.10412
##
## Coefficients:
##                    Estimate Std. Error t value Pr(>|t|)
## oofsi2           -1.039005   0.949365  -1.094 0.273904
## oda2              0.013764   0.107499   0.128 0.898130
## import_dep_lag_1 -0.152311   0.086815  -1.754 0.079512 .
## export_dep_lag_1 -1.041267   0.264621  -3.935 8.61e-05 ***
## gdppc_wdi_lag_1   0.017042   0.000707  24.106  < 2e-16 ***
## boix_dem          0.464985   0.025672  18.112  < 2e-16 ***
## usaid2            0.485877   0.138958   3.497 0.000482 ***
## cinc              9.917324   0.870152  11.397  < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.5357 on 1971 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4566   Adjusted R-squared: 0.4514
## Multiple R-squared(proj model): 0.4511   Adjusted R-squared: 0.4458
## F-statistic(full model):87.17 on 19 and 1971 DF, p-value: < 2.2e-16
## F-statistic(proj model): 202.5 on 8 and 1971 DF, p-value: < 2.2e-16
```

```
oofsi2 <- felm(ideal_china ~ oofsi2*boix_dem +
                 oda2+
                 import_dep_lag_1+
                 export_dep_lag_1+
                 gdppc_wdi_lag_1+
                 usaid2+
```

```
                cinc|year|0|
                ccode, data=data)
summary(oofsi2, robust=F)

##
## Call:
##    felm(formula = ideal_china ~ oofsi2 * boix_dem + oda2 +
import_dep_lag_1 +      export_dep_lag_1 + gdppc_wdi_lag_1 + usaid2 + cinc |
year |      0 | ccode, data = data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.37667 -0.37667 -0.06833  0.33083  2.10004
##
## Coefficients:
##                     Estimate Std. Error t value Pr(>|t|)
## oofsi2            2.0563899  1.1617162   1.770 0.076860 .
## boix_dem          0.4869123  0.0259886  18.736  < 2e-16 ***
## oda2              0.0299874  0.1070174   0.280 0.779346
## import_dep_lag_1 -0.1047191  0.0870026  -1.204 0.228877
## export_dep_lag_1 -1.0825844  0.2634465  -4.109 4.13e-05 ***
## gdppc_wdi_lag_1   0.0168688  0.0007044  23.946  < 2e-16 ***
## usaid2            0.4802158  0.1382651   3.473 0.000525 ***
## cinc              9.8884123  0.8658043  11.421  < 2e-16 ***
## oofsi2:boix_dem  -8.9609076  1.9577031  -4.577 5.01e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.533 on 1970 degrees of freedom
##   (1037 observations deleted due to missingness)
## Multiple R-squared(full model): 0.4623   Adjusted R-squared: 0.4569
## Multiple R-squared(proj model): 0.4569   Adjusted R-squared: 0.4514
## F-statistic(full model): 84.7 on 20 and 1970 DF, p-value: < 2.2e-16
## F-statistic(proj model): 184.1 on 9 and 1970 DF, p-value: < 2.2e-16

##################################
#### Code for Annex 3 Plots ####
##################################



data %>%
  filter(CountryName == 'Romania') %>% # Each plot can be created by altering
the CountryName and by adjusting the... #
  ggplot() +
  geom_point(aes(x=year, y=ideal_us, colour='USA')) +
  geom_line(aes(x=year, y=ideal_us, group=1, colour='USA')) +
  geom_line(aes(x=year, y=ideal_china, group=1, colour='China')) +
  geom_point(aes(x=year, y=ideal_china, colour='China')) +
  geom_line(aes(x=year, y=oof*7, group=1, linetype='OOF'), colour='black',
```

```
alpha=0.5) + #....amount that oof is multiplied by here and...#
  scale_y_continuous(name = 'Ideal Point Distance', sec.axis = sec_axis(~./7,
name = 'OOF (Billions USD)')) + #...the amount that the second axis is
divided by here. #
  labs(x='Year',y='Ideal Pt. Distance', title='Figure A6: OOF and Ideal Pt.
Distance: Romania', colour='') +
  scale_color_manual(name='Ideal Pt. Dist.',
                     breaks=c('China','USA'),
                     values=c('#ea7871','#055cb3')) +
  scale_linetype_manual(name='Aid Flow',
                        values=c('dashed')) +
  theme(axis.text.x = element_text(angle = 45, vjust = 1, hjust=1, size=8),
        plot.title = element_text(size=11, hjust = 0.5),
        plot.subtitle = element_text(hjust = 0.5),
        legend.position = 'right')
```