Replication File

The participatory implications of radicalized policy feedbacks

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The following file contains step-by-step instructions, including code, required to replicate all tables and figures presented in, "The Participatory Implications of Racialized Policy Feedbacks.''

There are three files associated with this project: 1) The abbreviated, clean datafile used in the analysis, "cmpse2016_pop.csv,'' 2) The R markdown (.Rmd) file that includes all code developed to perform the analysis, and 3) the .pdf produced by the .Rmd file. Markdown is an R package, but familiarity with Markdown is not necessary to execute the code contained in the .Rmd file.

Loading Library

```
library(tidyverse)
library(corrplot)
library(haven)
library(margins)
library(stargazer)
library(ggthemes)
library(broom)
library(magrittr)
library(xtable)
library(psych)
library(pander)
```

Loading recoded CMPS 2016 in .csv format

```
df <- read.csv("../data/cmps2016_pop.csv") # Make sure to change directory accordingly
```

Prepping the data for the loops to follow

Fold data by contact

```
df_short <-
  df %>%
  select(respid,
```

```
         voted, polpart_index,
         ContactIndex,
         Police,  Courts,                # contact
         Probation, Bail,                # contact
         Halfway, Housing, Jail,         # contact
         ChildWelfare, FamilyCourt,           # contact
         PoliceCar, PoliceTreat, # new contact
         PoliceFoot, Arrested,
         police_alt,fine_alt,probation_alt,convict_alt,jail_alt,# new contact
         linkedfate, disc2,               # Key IV
         race, lat_id, as_id, pan_id,     # Key IV
         external_efficacy,pol_interest,worship_att ,
         partyid, female, age18_29, age30_39, age40_64, citizen,
         education,inc_less40k,inc_40_79k,white,black,latino,asian,
         campaign_vol, donate, campaign_button, contact_rep, contact_any,
         work_others,  meeting,  protest,  petition, boycott)


df_contact <-
  df_short %>%
  select(respid, Police, Courts,
         Probation, Bail,
         Halfway, Housing, Jail,
         ChildWelfare, FamilyCourt,
         ContactIndex,police_alt,fine_alt,probation_alt,convict_alt,jail_alt
         )


df_tidy <-
  df_short %>% gather(type, contact,
                      -voted, -polpart_index, -respid,
                      Police,  Courts,           # contact
                      Probation, Bail,           # contact
                      Halfway, Housing, Jail,    # contact
                      ChildWelfare, FamilyCourt,      # contact
         ContactIndex, police_alt,fine_alt,probation_alt,convict_alt,jail_alt,
                      -linkedfate,-disc2,         # Key IV
                      -lat_id, -as_id, -pan_id,  # Key IV
                    -external_efficacy,
                    -pol_interest,-worship_att ,-
                    partyid,-female,-age18_29 ,- age30_39 ,
                    - age40_64 ,- citizen ,-
                    education,-inc_less40k,-inc_40_79k,-race,-white,-black,-latino,-asian,
         -campaign_vol, -donate, -campaign_button, -contact_rep, -contact_any,
        - work_others,  -meeting,  -protest,  -petition, -boycott)



df_tidy_full <- left_join(df_contact, df_tidy, by = "respid")
```

Descritive Tables

Note: Analysis proceeds chronological to how it's presented in the paper. Prefix A indicates figure or table appears in the appendix

Table A1: Summary table of all variables

```
desc_vars <- c('polpart_index','Police','Courts','Probation', 'Bail','Halfway', 'Housing', 'Jail','Chil
          'partyid','female','age18_29','age30_39','age40_64',
                   'education','inc_less40k','inc_40_79k',"black","latino","asian")

stargazer(
  df %>% select(desc_vars) %>%
    data.frame(),
  summary.stat = c("min", "p25", "mean", "p75", "max", "sd"),
  covariate.labels=c("Participation Index",
                     "Police",  "Courts","Probation", 'Bail',
                     'Halfway', 'Housing', 'Jail','Child Welfare', 'Family Court',
                     "Linked Fate","Discrimination","Political Efficacy",
                     "Political Interest","Worship Attendace",
                     "Party ID","Female","Age: 18-29","Age: 30-39","Age: 40-64","Education",
                     "Income: <40k","Income: 40-79k","Black","Latino","Asian"),
  out = "publication_tables2/descriptive.tex",
  title="Descriptive statistics of variables used in the CMPS",
  label="tab:descriptive"
)
```

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
% Date and time: Tue, Aug 17, 2021 - 09:44:17

Table 1: Distribution of institutional contact

```
Police<-round((prop.table(table(df_tidy_full$Police))*100),digits=2)

Courts<-round((prop.table(table(df_tidy_full$Courts))*100),digits=2)

Probation<-round((prop.table(table(df_tidy_full$Probation))*100),digits=2)
Bail<-round((prop.table(table(df_tidy_full$Bail))*100),digits=2)
Halfway<-round((prop.table(table(df_tidy_full$Halfway))*100),digits=2)
Housing<-round((prop.table(table(df_tidy_full$Housing))*100),digits=2)
Jail<-round((prop.table(table(df_tidy_full$Jail))*100),digits=2)
ChildWelfare<-round((prop.table(table(df_tidy_full$ChildWelfare))*100),digits=2)
Family<-round((prop.table(table(df_tidy_full$FamilyCourt))*100),digits=2)

percents<-rbind(Police, Courts,Probation,Bail, Halfway,Housing,Jail,ChildWelfare,Family)

xt <- xtable(x = percents,
             align = "lcccc",
             type="latex",
             #digits = 1,
             caption = "The distribution of contact with authoritarian institutions in the CMPS",
             label = "tab:contact_dist")

addtorow <- list()
```

Table 1: Descriptive statistics of variables used in the CMPS

Statistic	Min	Pctl(25)	Mean	Pctl(75)	Max	St. Dev.
Participation Index	0	0	1.709	3	10	2.241
Police	0	0	0.543	1	3	0.841
Courts	0	0	0.448	1	3	0.773
Probation	0	0	0.276	0	3	0.685
Bail	0	0	0.251	0	3	0.650
Halfway	0	0	0.233	0	3	0.634
Housing	0	0	0.312	0	3	0.726
Jail	0	0	0.263	0	3	0.660
Child Welfare	0	0	0.292	0	3	0.703
Family Court	0	0	0.279	0	3	0.686
Linked Fate	0	0	0.621	1	1	0.485
Discrimination	0	0	0.532	1	1	0.499
Political Efficacy	1	2	2.813	4	5	1.141
Political Interest	0	1	1.757	2	3	0.911
Worship Attendace	0	0	1.859	3	5	1.837
Party ID	0	0	0.662	1	1	0.473
Female	0	0	0.656	1	1	0.475
Age: 18-29	0.000	0.000	0.307	1.000	1.000	0.461
Age: 30-39	0.000	0.000	0.249	0.000	1.000	0.432
Age: 40-64	0.000	0.000	0.368	1.000	1.000	0.482
Education	0	1	2.269	3	4	1.141
Income: <40k	0	0	0.422	1	1	0.494
Income: 40-79k	0	0	0.309	1	1	0.462
Black	0	0	0.340	1	1	0.474
Latino	0	0	0.330	1	1	0.470
Asian	0	0	0.330	1	1	0.470

```
addtorow$pos <- list(nrow(xt))

print (xt,
       format.args = list(big.mark = ","),
       caption.placement = "top",
       file = "publication_tables2/dist_table.tex",
       hline.after = c(-1, 0, 9))
```

Figure A1: Correlation matrix plot

```
df_corr <-
  df_short %>%
  select(Police, Courts,
         Probation, Bail,
         Halfway, Housing, Jail,
         ChildWelfare, FamilyCourt)

res <- cor(as.matrix(df_corr))


col3 <- colorRampPalette(c("#af8dc3", "#f7f7f7", "#7fbf7b" ))

corrplot(res,
         type="upper",
         order="AOE",
         method = c("number"),
         diag = FALSE,

         col = col3(100),
         tl.col = "black")
```

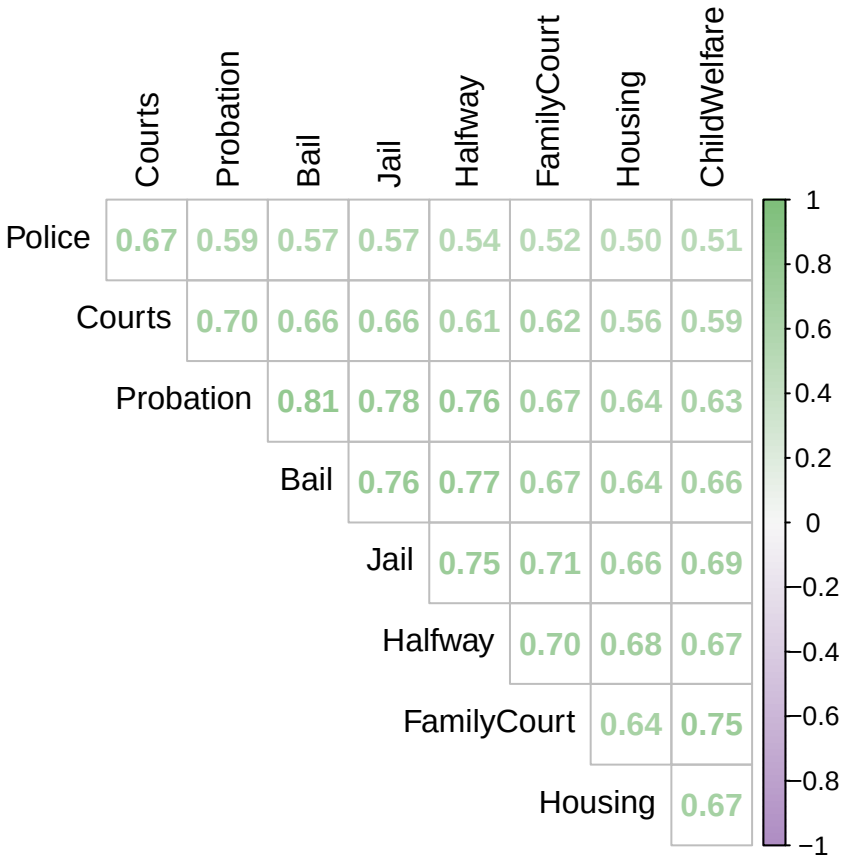


Figure A2: Cross tabulation of police contact against all other institutions under study

```
welfare_pt_df <-
df_short %>%
  group_by(ChildWelfare) %>%
  count(Police) %>%
  rename(Var = ChildWelfare) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Child Welfare")

family_pt_df <-
df_short %>%
  group_by(FamilyCourt) %>%
  count(Police) %>%
  rename(Var = FamilyCourt) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Family Court")


court_pt_df <-
df_short %>%
  group_by(Courts) %>%
  count(Police) %>%
  rename(Var = Courts) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Courts")
```

```
probation_pt_df <-
df_short %>%
  group_by(Probation) %>%
  count(Police) %>%
  rename(Var = Probation ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Probation")

bail_pt_df <-
df_short %>%
  group_by(Bail) %>%
  count(Police) %>%
  rename(Var = Bail ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Bail")

halfway_pt_df <-
df_short %>%
  group_by(Halfway) %>%
  count(Police) %>%
  rename(Var = Halfway ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Halfway")

housing_pt_df <-
df_short %>%
  group_by(Housing) %>%
  count(Police) %>%
  rename(Var = Housing ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Housing")

jail_pt_df <-
df_short %>%
  group_by(Jail) %>%
  count(Police) %>%
  rename(Var = Jail) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Jail")



cont_tables <- rbind(welfare_pt_df,
                     jail_pt_df,
                     housing_pt_df,
                     family_pt_df,
                     court_pt_df,
                     probation_pt_df,
                     halfway_pt_df,
                     bail_pt_df
                     )
```

```
ggplot(cont_tables,
       aes(x=factor(Var),
           y = Pct,
           fill = factor(Police) %>%
             fct_rev(),
           label = paste0(round(Pct), "%")
           )) +
  geom_col(alpha = .75) +
  geom_text(position = position_stack(vjust = 0.5),
            size = 2.3) +
 # scale_fill_brewer(palette = "GnBu", direction = -1) +
  scale_fill_tableau(
  palette = "Tableau 10",
  labels = c("Very often", "Sometimes",
             "Occasionally", "Never")) +
  scale_x_discrete(labels = c("Never", "Occasionally",
                              "Sometimes", "Very often"
              )) +
  coord_flip() +
  facet_wrap(~ Group, ncol = 2) +
  theme_minimal() +
  labs(x = "",
       fill = "Level of Poice Contact",
       y = "% Distribution") +
  theme(legend.position = "bottom") +
  ggsave("publication_plots2/xtabs_police.pdf",
         width = 8, height = 6)
```

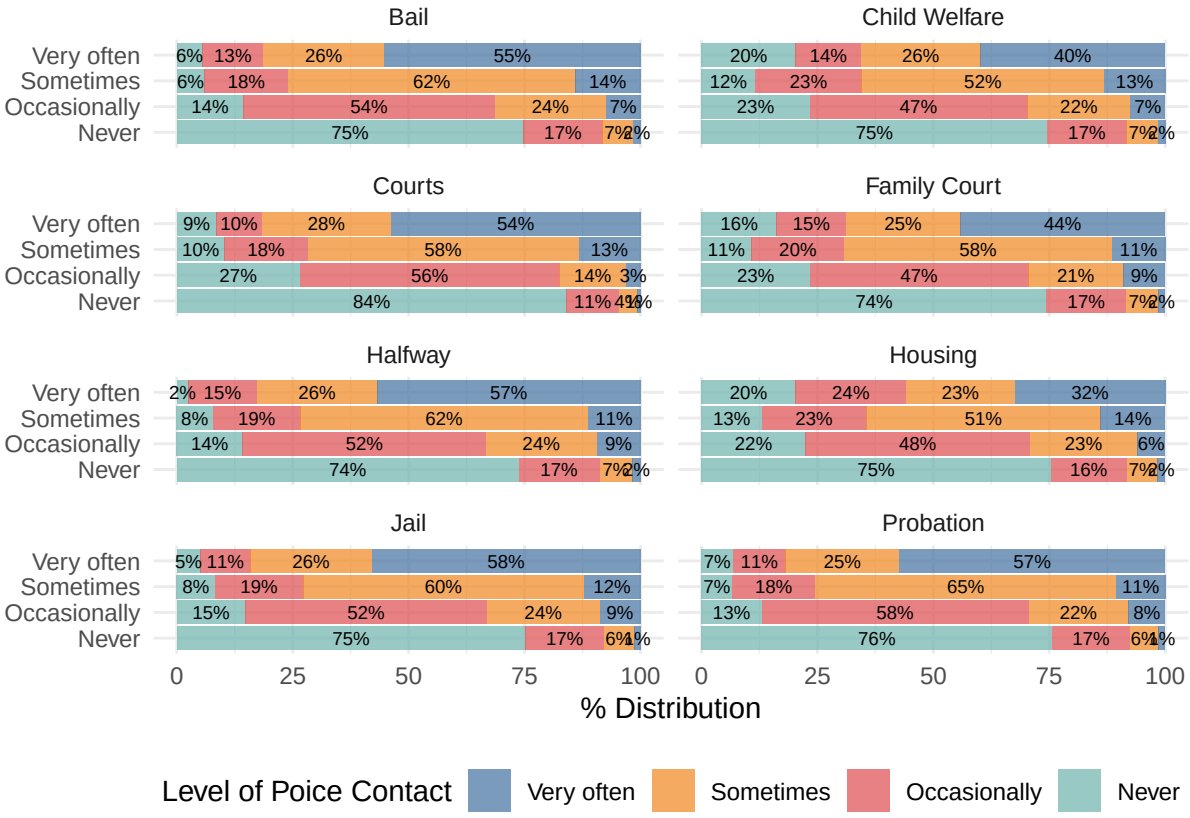


Figure A3: Cross tabulation of child welfare contact against all other institutions under study

```
police_wf_df <-
df_short %>%
  group_by(Police) %>%
  count(ChildWelfare) %>%
  rename(Var = Police) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Police")

family_wf_df <-
df_short %>%
  group_by(FamilyCourt) %>%
  count(ChildWelfare) %>%
  rename(Var = FamilyCourt) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Family Court")


court_wf_df <-
df_short %>%
  group_by(Courts) %>%
  count(ChildWelfare) %>%
  rename(Var = Courts) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Courts")


probation_wf_df <-
df_short %>%
  group_by(Probation) %>%
  count(ChildWelfare) %>%
  rename(Var = Probation ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Probation")

bail_wf_df <-
df_short %>%
  group_by(Bail) %>%
  count(ChildWelfare) %>%
  rename(Var = Bail ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Bail")

halfway_wf_df <-
df_short %>%
  group_by(Halfway) %>%
  count(ChildWelfare) %>%
  rename(Var = Halfway ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Halfway")

housing_wf_df <-
df_short %>%
```

```
  group_by(Housing) %>%
  count(ChildWelfare) %>%
  rename(Var = Housing ) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Housing")

jail_wf_df <-
df_short %>%
  group_by(Jail) %>%
  count(ChildWelfare) %>%
  rename(Var = Jail) %>%
  mutate(Pct = prop.table(n)*100,
         Group = "Jail")

cont_tables_wf <- rbind(police_wf_df,
                        jail_wf_df,
                        housing_wf_df,
                        family_wf_df,
                        court_wf_df,
                        probation_wf_df,
                        halfway_wf_df,
                        bail_wf_df
                        )

ggplot(cont_tables_wf,
       aes(x=factor(Var),
           y = Pct,
           fill = factor(ChildWelfare) %>%
             fct_rev(),
           label = paste0(round(Pct), "%")
           )) +
  geom_col(alpha = .75) +
  geom_text(position = position_stack(vjust = 0.5),
            size = 2.3) +
 # scale_fill_brewer(palette = "GnBu", direction = -1) +
  scale_fill_tableau(
  palette = "Tableau 10",
  labels = c("Very often", "Sometimes",
             "Occasionally", "Never")) +
  scale_x_discrete(labels = c("Never", "Occasionally",
                              "Sometimes", "Very often"
              )) +
  coord_flip() +
  facet_wrap(~ Group, ncol = 2) +
  theme_minimal() +
  labs(x = "",
       fill = "Level of Child Welfare Contact",
       y = "% Distribution") +
  theme(legend.position = "bottom") +
  ggsave("publication_plots2/xtabs_welfare.pdf",
         width = 8, height = 6)
```

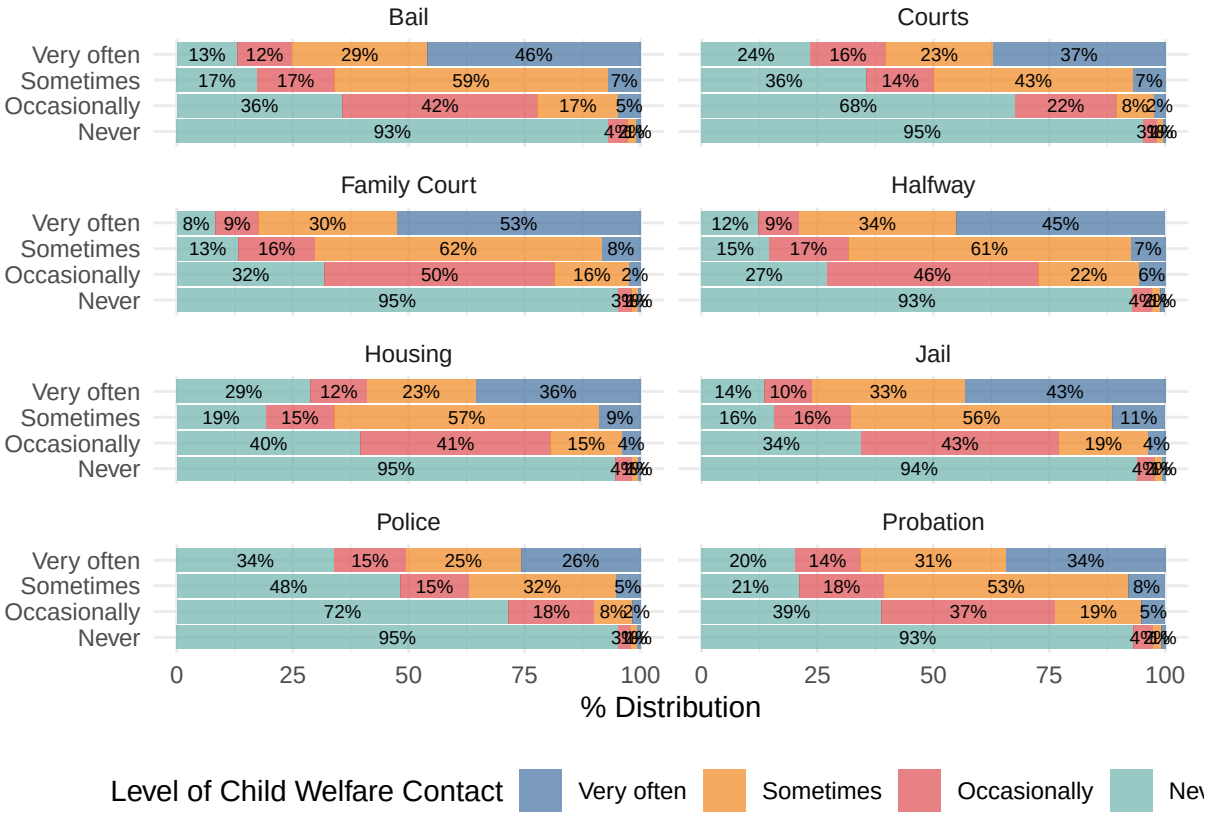
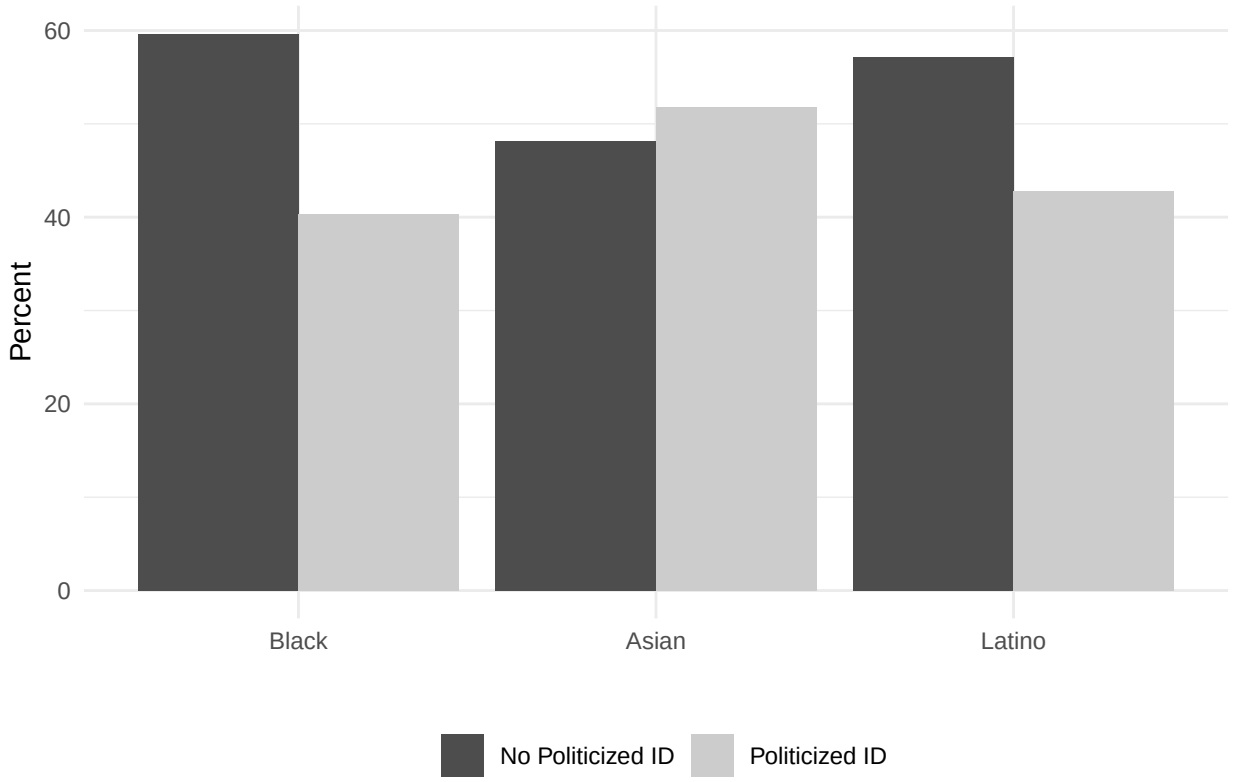


Figure 1: The distribution of political identity by race, among those who have institutional contact

```
df_short <-
  df_short %>%
  mutate(
    any_contact = ifelse(c(Police == 0 & Courts == 0 &
      Probation == 0 & Bail == 0 &
      Halfway == 0 & Housing == 0 &
      Housing == 0 & Jail == 0 &
      ChildWelfare == 0 & FamilyCourt == 0), 0, 1),
    lf_and_disc = ifelse(c(linkedfate == 1 & disc2 == 1), 1, 0),
    disc_no_lf = ifelse(c(linkedfate == 0 & disc2 == 1), 1, 0),
    degree_of_id = case_when(
      lf_and_disc == 1 ~ 3,
      disc_no_lf == 1 ~ 2,
      c(lf_and_disc == 0 & disc_no_lf == 0) ~ 1
    )
  )


df_contact <- df_short %>% filter(any_contact == 1)
race_dist <- round((prop.table(table(df_contact$race, df_contact$lf_and_disc), 1) * 100), digits = 2)


value <- rbind(
  race_dist[1, 1], race_dist[2, 1], race_dist[3, 1],
```

```
  race_dist[1, 2], race_dist[2, 2], race_dist[3, 2]
)


race <- rep(c("01", "02", "03"), times = 2)
level <- rep(c("01", "02"), each = 3)
x <- as.data.frame(cbind(value, race, level))

ggplot(x, aes(x = race, y = value, group = level, fill = level)) +
  geom_bar(stat = "identity", position = position_dodge()) +
  scale_fill_grey(
    start = 0.3, end = .8,
    labels = c("No Politicized ID", "Politicized ID")
  ) +
  scale_x_discrete(
    breaks = c("01", "02", "03"),
    labels = c("Black", "Asian", "Latino")
  ) +
  theme_bw(base_size = 12, base_family = "Times") +
  theme(strip.text.x = element_text(size = 12)) +
  theme(strip.background = element_rect(fill = "white")) +
  theme_minimal() +
  theme(
    legend.position = "bottom",
    legend.title = element_blank()
  ) +
  labs(
    y = "Percent", x = " ",
    title = c(" ", cex = 1)
  ) +
  ggsave(
    filename = "publication_plots2/politicizedID_contact_race.png",
    width = 8, height = 5
  )
```



Main Analysis

Figure 2: Main effects of contact on participation, full model

```
index_base <-
  lm(polpart_index ~
       ChildWelfare + FamilyCourt +  # contac
       Housing + Halfway +   # conta
       Jail + Bail + # contact
       Probation + Courts + Police + # contact
       disc2 + linkedfate +
       external_efficacy + pol_interest + worship_att + # key control
       partyid+female+age18_29 + age30_39 + age40_64 +  # control
       education + inc_less40k + inc_40_79k+race,    # controls
     data = df_short)

preds <- summary(margins(index_base, change = "minmax"))

plot_lables <- c("Age 18-29", "Age 30-39", "Age 40-64",
                 "Education", "Political Efficacy", "Female",
                 "Income 40-70K", "Income < 40K","Party ID",
                 "Political Interest", "Asian","Latino",
                 "Worship Attendance",
                 "Linked Fate", "Discrimination", "Police",
                 "Courts", "Probation", "Bail","Jail",
                 "Halfway", "Housing", "Family Court", "Child Welfare")

ggplot(preds,
```

```
      aes(x= factor %>%
            fct_relevel("linkedfate", "disc2",
                        "Police", "Courts",  "Probation",
                        "Bail", "Jail",  "Halfway",
                        "Housing", "FamilyCourt", "Child Welfare",
                        after = 20),
          y = AME,
          ymin = AME - (1.6*SE),
          ymax = AME + (1.6*SE))) +
  geom_pointrange() +
  scale_x_discrete(labels = plot_lables) +
  geom_hline(yintercept = 0, linetype = "dashed", color = "grey") +
  coord_flip() +
  theme_bw() +
  labs(y = "Min-Max Predicted Change - Participation Index", x = "") +
  ggsave("publication_plots2/minmax_preds_main.png",
         width = 6, height = 6)
```

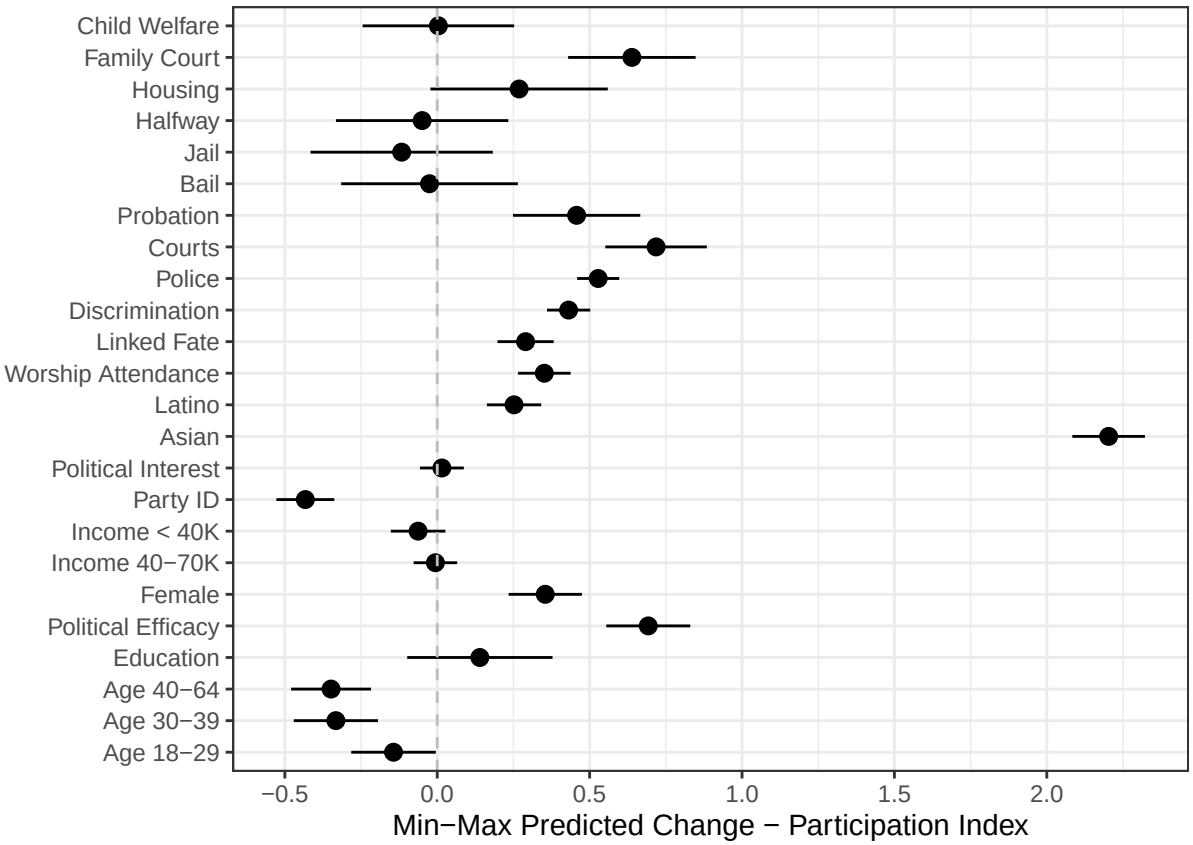


Table A2: Regression Table for Figure 2

```
tab_labels <- c( "Child Welfare",  "Family Court","Housing",
                 "Halfway", "Jail",   "Bail", "Probation",
                 "Courts", "Police", "Discrimination",
                 "Linked Fate", "Political Efficacy", "Political Interest",
                 "Worship Attendance", "Party ID","Female",
                 "Age 18-29", "Age 30-39", "Age 40-64",
```

```
                "Education", "Income < 40K", "Income 40-70K","Asian","Latino")

stargazer(index_base, no.space=TRUE, type = "html",
          covariate.labels = tab_labels,
           dep.var.labels =  c("Political Participaton"),
           title = "The Impact of Institutional Contact on Political Participation",
           out = "publication_tables2/mod_base_index.tex",
           label = "tab:base_model",
           font.size = "scriptsize",
          column.sep.width = "2pt",
          omit.stat = c("ser","f")
           )
```

The Impact of Institutional Contact on Political Participation

Dependent variable:

Political Participaton

Child Welfare

0.047

(0.050)

Family Court

0.001

(0.052)

Housing

0.213***

(0.044)

Halfway

0.090

(0.061)

Jail

-0.017

(0.059)

Bail

-0.039

(0.062)

Probation

-0.008

(0.060)

Courts

0.152***

(0.043)

Police

0.239***

(0.035)

Discrimination

0.528***

(0.043)

Linked Fate

0.431***

(0.044)

Political Efficacy

0.089***

(0.019)

Political Interest

0.734***

(0.025)

Worship Attendance

0.058***

(0.012)

Party ID

0.015

(0.045)

Female

-0.006

(0.045)

Age 18-29

-0.143*

(0.087)

Age 30-39

-0.333***

(0.086)

Age 40-64

-0.348***

(0.082)

Education

0.173***

(0.022)

Income < 40K

-0.433***

(0.059)

Income 40-70K

-0.063

(0.056)

Asian

0.252***

(0.056)

Latino

0.351***

(0.054)

Constant

-0.915***

(0.132)

Observations

9,098

R2

0.243

Adjusted R2

0.241

Note:

p<0.1; ***p<0.05;*** p<0.01

Table A3 and A4: The impact of discrimination and institutional contact on participation, among those with (A3) and without (A4) linked fate

```
# Creating Formula

model_index <-
  polpart_index ~
  contact*disc2 +
  ChildWelfare + FamilyCourt +  # contact
  Housing + Halfway +   # contact
  Jail + Bail + # contact
  Probation + Courts + Police + # contact
  external_efficacy + pol_interest + worship_att + # key control
  partyid+female+age18_29 + age30_39 + age40_64 +  # control
  education + inc_less40k + inc_40_79k +race   # controls

# Running loop - no linked fate

mod_plots_index_nolink <-
```

```
  df_tidy_full %>%
  filter(linkedfate == 0,
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .))


# Running loop - linked fate

mod_plots_index_link <-
  df_tidy_full %>%
  filter(linkedfate == 1,
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .))


tab_labels <- c("Contact", "Discrimination", "Child Welfare",  "Family Court","Housing",
                "Halfway", "Jail",   "Bail", "Probation",
                "Courts", "Police", "Political Efficacy", "Political Interest",
               "Worship Attendance","Party ID", "Female",
               "Age 40-64", "Age 30-39", "Age 18-29",
                "Education", "Income < 40K", "Income 40-70K","Asian","Latino",
                "Contact X Disc")


stargazer(mod_plots_index_link, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Child Welfare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_link.tex",
          label = "tab:mod_int_index_link",
          no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among those with linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Child Welfare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.234**

0.013

-0.003

-0.108

-0.013

0.155**

-0.109

0.098

-0.142

(0.098)

(0.084)

(0.076)

(0.089)

(0.098)

(0.079)

(0.094)

(0.065)

(0.095)

Discrimination

0.526***

0.562***

0.519***

0.549***

0.535***

0.529***

0.526***

0.478***

0.535***

(0.064)

(0.064)

(0.068)

(0.064)

(0.063)

(0.065)

(0.064)

(0.070)

(0.064)

Child Welfare

0.079

0.080

0.082

0.083

0.082

0.084

0.081

0.081

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

Family Court

-0.008

-0.009

-0.012

-0.007

-0.013

-0.011

-0.009

-0.010

(0.069)

(0.069)

(0.069)

(0.069)

(0.069)

(0.069)

(0.069)

(0.069)

Housing

0.291***

0.287***

0.288***

0.286***

0.290***

0.291***

0.293***

0.290***

(0.058)

(0.058)

(0.058)

(0.058)

(0.058)

(0.058)

(0.058)

(0.058)

Halfway

0.127

0.133*

0.132*

0.136*

0.137*

0.136*

0.136*

0.127

(0.080)

(0.080)

(0.080)

(0.080)

(0.080)

(0.080)

(0.080)

(0.080)

Jail

0.039

0.049

0.046

0.047

0.046

0.050

0.043

0.040

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

Bail

-0.090

-0.081

-0.086

-0.088

-0.086

-0.088

-0.085

-0.079

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

Probation

-0.015

-0.017

-0.016

-0.018

-0.023

-0.017

-0.023

-0.014

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

Courts

0.108*

0.105*

0.105*

0.107*

0.105*

0.108*

0.105*

0.107*

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

Police

0.242***

0.242***

0.241***

0.243***

0.244***

0.245***

0.242***

0.243***

(0.045)

(0.045)

(0.045)

(0.045)

(0.045)

(0.045)

(0.045)

(0.045)

Political Efficacy

0.105***

0.103***

0.105***

0.104***

0.105***

0.104***

0.104***

0.106***

0.105***

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

Political Interest

0.884***

0.884***

0.883***

0.883***

0.883***

0.884***

0.884***

0.884***

0.884***

(0.035)

(0.035)

(0.035)

(0.035)

(0.035)

(0.035)

(0.035)

(0.035)

(0.035)

Worship Attendance

0.049***

0.050***

0.050***

0.049***

0.049***

0.049***

0.049***

0.051***

0.050***

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

Party ID

0.094

0.094

0.092

0.094

0.093

0.092

0.093

0.093

0.093

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

Female

0.027

0.026

0.027

0.026

0.026

0.026

0.028

0.028

0.026

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

Age 40-64

-0.172

-0.174

-0.170

-0.175

-0.172

-0.173

-0.175

-0.172

-0.173

(0.122)

(0.123)

(0.122)

(0.122)

(0.122)

(0.122)

(0.122)

(0.122)

Age 30-39

-0.347***

-0.348***

-0.346***

-0.350***

-0.349***

-0.349***

-0.348***

-0.345***

-0.348***

(0.122)

(0.123)

(0.122)

(0.123)

(0.122)

(0.122)

(0.122)

(0.122)

(0.122)

Age 18-29

-0.498***

-0.498***

-0.495***

-0.500***

-0.499***

-0.497***

-0.498***

-0.491***

-0.499***

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

Education

0.221***

0.219***

0.219***

0.220***

0.220***

0.219***

0.220***

0.217***

0.220***

(0.030)

(0.030)

(0.030)

(0.030)

(0.030)

(0.030)

(0.030)

(0.030)

(0.030)

Income $<$ 40K

-0.566***

-0.563***

-0.566***

-0.563***

-0.565***

-0.567***

-0.569***

-0.569***

-0.567***

(0.081)

(0.081)

(0.081)

(0.081)

(0.081)

(0.081)

(0.081)

(0.081)

(0.081)

Income 40-70K

-0.156**

-0.151**

-0.155**

-0.152**

-0.156**

-0.155**

-0.157**

-0.155**

-0.155**

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

Asian

0.361***

0.355***

0.356***

0.355***

0.358***

0.357***

0.361***

0.349***

0.358***

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

Latino

0.534***

0.533***

0.532***

0.535***

0.532***

0.532***

0.535***

0.528***

0.533***

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

Contact X Disc

0.236***

0.096

0.159**

0.143*

0.220**

0.190**

0.230***

0.206***

0.189**

(0.085)

(0.079)

(0.073)

(0.081)

(0.088)

(0.078)

(0.084)

(0.068)

(0.081)

Constant

-0.942***

-0.954***

-0.932***

-0.949***

-0.941***

-0.933***

-0.934***

-0.909***

-0.943***

(0.186)

(0.187)

(0.187)

(0.187)

(0.187)

(0.187)

(0.187)

(0.187)

(0.187)

Observations

5,658

5,658

5,658

5,658

5,658

5,658

5,658

5,658

5,658

R2

0.245

0.245

0.245

0.245

0.245

0.245

0.245

0.246

0.245

Adjusted R2

0.242

0.241

0.242

0.242

0.242

0.242

0.242

0.242

0.242

Note:

p<0.1; ***p<0.05;*** p<0.01

```
stargazer(mod_plots_index_nolink, type = "html",
                    dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Child Welfare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_nolink.tex",
          label = "tab:mod_int_index_nolink",
        no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among those without linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Child Welfare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

0.141

0.028

0.404***

0.069

0.062

0.175**

-0.084

0.325***

0.206**

(0.094)

(0.083)

(0.074)

(0.084)

(0.097)

(0.074)

(0.099)

(0.063)

(0.104)

Discrimination

0.448***

0.433***

0.517***

0.413***

0.424***

0.455***

0.429***

0.500***

0.472***

(0.062)

(0.063)

(0.066)

(0.063)

(0.062)

(0.063)

(0.062)

(0.067)

(0.062)

Child Welfare

-0.036

-0.047

-0.037

-0.036

-0.039

-0.038

-0.035

-0.031

(0.073)

(0.073)

(0.073)

(0.073)

(0.073)

(0.073)

(0.073)

(0.073)

Family Court

0.038

0.038

0.026

0.034

0.037

0.034

0.022

0.032

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

(0.075)

Housing

0.066

0.071

0.058

0.074

0.070

0.068

0.062

0.061

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

Halfway

0.004

0.006

0.017

0.003

-0.001

0.014

0.009

0.007

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

Jail

-0.144

-0.150

-0.147

-0.147

-0.138

-0.155*

-0.154*

-0.149

(0.092)

(0.092)

(0.091)

(0.092)

(0.092)

(0.092)

(0.092)

(0.092)

Bail

0.050

0.037

0.056

0.048

0.045

0.050

0.049

0.033

(0.089)

(0.089)

(0.089)

(0.089)

(0.089)

(0.089)

(0.089)

(0.089)

Probation

0.052

0.051

0.051

0.043

0.044

0.051

0.047

0.039

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

Courts

0.249***

0.242***

0.245***

0.248***

0.245***

0.249***

0.255***

0.254***

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

Police

0.207***

0.208***

0.209***

0.209***

0.208***

0.205***

0.206***

0.200***

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

Political Efficacy

0.060**

0.059**

0.060**

0.058**

0.059**

0.060**

0.059**

0.060**

0.060**

(0.025)

(0.025)

(0.025)

(0.025)

(0.026)

(0.025)

(0.026)

(0.025)

(0.025)

Political Interest

0.532***

0.533***

0.531***

0.534***

0.533***

0.531***

0.533***

0.530***

0.531***

(0.032)

(0.032)

(0.032)

(0.032)

(0.032)

(0.032)

(0.032)

(0.032)

(0.032)

Worship Attendance

0.072***

0.072***

0.071***

0.073***

0.073***

0.072***

0.072***

0.071***

0.071***

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

(0.016)

Party ID

-0.078

-0.078

-0.073

-0.077

-0.079

-0.076

-0.078

-0.080

-0.084

(0.060)

(0.060)

(0.060)

(0.060)

(0.060)

(0.060)

(0.060)

(0.060)

(0.060)

Female

-0.071

-0.076

-0.074

-0.077

-0.075

-0.074

-0.076

-0.075

-0.072

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

Age 40-64

-0.119

-0.121

-0.124

-0.122

-0.123

-0.123

-0.122

-0.122

-0.123

(0.113)

(0.113)

(0.113)

(0.113)

(0.113)

(0.113)

(0.113)

(0.113)

(0.113)

Age 30-39

-0.356***

-0.358***

-0.352***

-0.357***

-0.359***

-0.361***

-0.356***

-0.351***

-0.354***

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

Age 18-29

-0.134

-0.137

-0.135

-0.136

-0.137

-0.136

-0.135

-0.133

-0.133

(0.105)

(0.105)

(0.105)

(0.105)

(0.105)

(0.105)

(0.105)

(0.105)

(0.105)

Education

0.099***

0.100***

0.100***

0.100***

0.100***

0.099***

0.099***

0.101***

0.099***

(0.028)

(0.028)

(0.028)

(0.028)

(0.028)

(0.028)

(0.028)

(0.028)

(0.028)

Income $<$ 40K

-0.243***

-0.242***

-0.240***

-0.241***

-0.239***

-0.239***

-0.241***

-0.243***

-0.242***

(0.082)

(0.082)

(0.082)

(0.082)

(0.082)

(0.082)

(0.082)

(0.082)

(0.082)

Income 40-70K

0.063

0.061

0.062

0.061

0.062

0.062

0.062

0.060

0.065

(0.077)

(0.077)

(0.076)

(0.077)

(0.077)

(0.077)

(0.077)

(0.076)

(0.076)

Asian

0.133*

0.132*

0.140*

0.131*

0.129*

0.131*

0.131*

0.139*

0.139*

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

(0.078)

Latino

0.109

0.107

0.109

0.108

0.107

0.107

0.107

0.109

0.106

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

Contact X Disc

-0.252***

-0.152*

-0.325***

-0.076

-0.141

-0.217**

-0.156

-0.239***

-0.328***

(0.097)

(0.089)

(0.081)

(0.092)

(0.098)

(0.085)

(0.097)

(0.075)

(0.092)

Constant

-0.276

-0.265

-0.303*

-0.256

-0.263

-0.274

-0.263

-0.292*

-0.279

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

Observations

3,442

3,442

3,442

3,442

3,442

3,442

3,442

3,442

3,442

R2

0.192

0.191

0.194

0.190

0.191

0.192

0.191

0.193

0.193

Adjusted R2

0.186

0.185

0.188

0.185

0.185

0.186

0.185

0.187

0.188

Note:

p<0.1; ***p<0.05;*** p<0.01

Figure 3: Plotting the interaction term among those with and without linked fate, excluding the base term for discrimination for clarity (figure 2)

```
mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "type") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "type") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link


df_models_all <- rbind(df_models_plot_link,
                       df_models_plot_nolink)
```

```
type_legend <- c("Bail", "Court",  "Family",
                 "Halfway", "Housing",  "Jail",
                 "Police", "Probation", "Child Welfare")


shape_type <-


ggplot(df_models_all %>% dplyr::filter(term != "disc2"),
       aes(x = term,
           y = estimate,
           shape = type %>%
             fct_relevel("Police", "Courts",  "Probation",
                         "Bail", "Jail",  "Halfway",
                         "Housing", "FamilyCourt", "ChildWelfare") %>%
             fct_rev(),
           color = type %>%
             fct_relevel("Police", "Courts",  "Probation",
                         "Bail", "Jail",  "Halfway",
                         "Housing", "FamilyCourt", "ChildWelfare") %>%
             fct_rev(),
           ymax = estimate + (1.6*std.error),
           ymin = estimate - (1.6*std.error))) +
  geom_pointrange(position = position_dodge(width = .75),
                  size = .8) +
  geom_hline(yintercept = 0, linetype = "dashed") +
  coord_flip() +
  facet_wrap(~ subset) +
  scale_x_discrete(labels=c("Contact (Base Term)",
                            "Contact X Discrimination")) +
  scale_shape_manual(values=seq(1:9)) +
  scale_color_tableau() +
  labs(x = "", y = "Estimate",
       shape = "Type of\n Contact",
       color = "Type of\n Contact") +
  theme_bw() +
  ggsave("publication_plots2/coefplot_all_v2.png",
         width = 7, height = 6.5)
```

Figure 4: Predicted value of participation by type of institutional contact, among those with and without a politicized group identity

```
model_index <-
  polpart_index ~
  contact*disc2 +
  Police + Courts +    # contact
  Probation + Bail +     # contact
  Halfway + Housing + # contact
  Jail + ChildWelfare + # contact
  FamilyCourt +      # contact
  external_efficacy + pol_interest + worship_att +         # key control
  partyid+female+age18_29 + age30_39 + age40_64 + citizen + # control
  education + inc_less40k + inc_40_79k +latino + asian   # controls
```

```r
xhyp <- df_tidy_full %$%
expand.grid(
  contact = seq(0,3),
  disc2 = c(0,1),
  Police = mean(Police, na.rm = T),
  Courts = mean(Courts, na.rm = T),
  Probation = mean(Probation, na.rm = T),
  Bail = mean(Bail, na.rm = T),
  Halfway = mean(Halfway, na.rm = T),
  Housing = mean(Housing, na.rm = T),
  Jail = mean(Jail, na.rm = T),
  ChildWelfare = mean(ChildWelfare, na.rm = T),
  FamilyCourt = mean(FamilyCourt, na.rm = T),
  external_efficacy = mean(external_efficacy, na.rm = T),
  pol_interest = mean(pol_interest, na.rm = T),
  worship_att = mean(worship_att, na.rm = T),
  partyid = mean(partyid, na.rm = T),
  female= mean(female, na.rm = T),
  age18_29= mean(age18_29, na.rm = T),
  age30_39 = mean(age30_39, na.rm = T),
  age40_64 = mean(age40_64, na.rm = T),
  citizen = mean(citizen, na.rm = T),
  education = mean(education, na.rm = T),
  inc_less40k = mean(inc_less40k, na.rm = T),
  inc_40_79k= mean(inc_40_79k, na.rm = T),
  latino= mean(latino, na.rm = T),
  asian= mean(asian, na.rm = T)
  )



df_preds_index_nolink <-
  df_tidy_full %>%
  filter(linkedfate == 0) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .)) %>%
  map(~ augment(., newdata = xhyp, se_fit=TRUE)) %>%
  enframe(name = "type") %>%
  unnest() %>%
  select(type, contact, disc2, .fitted, .se.fit) %>%
  mutate(subset = "No Linked Fate")

df_preds_index_link <-
  df_tidy_full %>%
  filter(linkedfate == 1) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .)) %>%
  map(~ augment(., newdata = xhyp, se_fit=TRUE)) %>%
  enframe(name = "type") %>%
  unnest() %>%
  select(type, contact, disc2, .fitted, .se.fit) %>%
  mutate(subset = "Linked Fate")
```

```r
df_preds <- bind_rows(df_preds_index_link, df_preds_index_nolink)

ggplot(
  df_preds %>% filter(
    disc2 == 1,
    type %in%
      c(
        "Police", "Courts", "Probation",
        "Bail", "Jail", "Halfway",
        "Housing", "FamilyCourt", "ChildWelfare"
      )
  ),
  aes(
    x = contact, y = .fitted,
#    color = factor(subset),
#    fill = factor(subset),
    shape = factor(subset),
    ymin = .fitted - 1.6 * (.se.fit),
    ymax = .fitted + 1.6 * (.se.fit)
  )
) +
  geom_pointrange(size = .7) +
  geom_line() +
  facet_wrap(~ type %>%
    fct_relevel(
      "Police", "Courts", "Probation",
      "Bail", "Jail", "Halfway",
      "Housing", "FamilyCourt", "ChildWelfare"
    ) %>%
    fct_rev(), ncol = 3) +
  scale_fill_grey(
    start = 0.1, end = .7) +
  scale_color_grey(
    start = 0.1, end = .7) +
  theme_minimal() +
  theme(legend.position = "bottom") +
  labs(
    x = "Level of Contact", y = "Predicted Participation",
    color = "",
    fill = "",
    shape = ""
  ) +
  ggsave("publication_plots2/pred_probs_main_all.png",
    width = 6, height = 6
  )
```

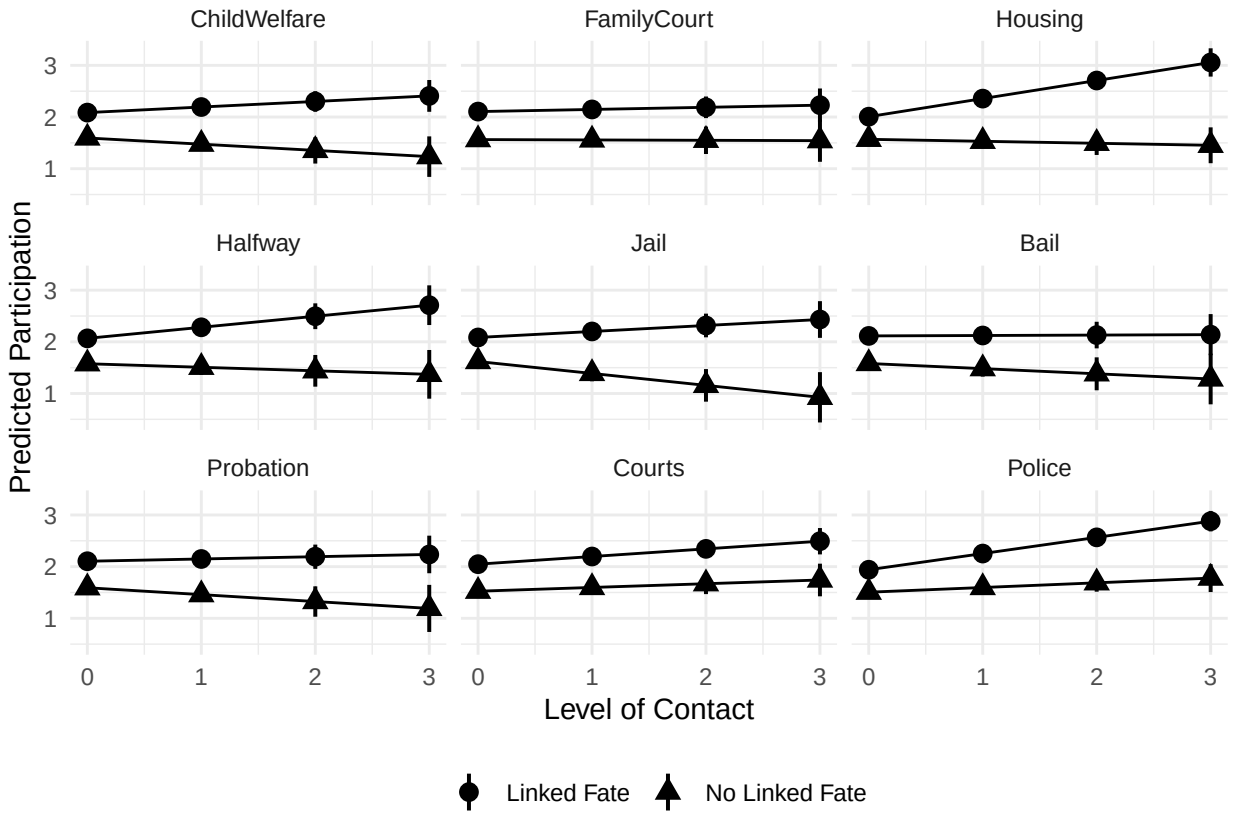


Table A5, A6: The impact of discrimination and institutional contact on participation, among Black Americans with (A5) and without (A6) linked fate

```
model_index_race <-
  polpart_index ~
  contact*disc2 +
  Police + Courts +    # contact
  Probation + Bail +     # contact
  Halfway + Housing + # contact
  Jail + ChildWelfare + # contact
  FamilyCourt +      # contact
  external_efficacy + pol_interest + worship_att +         # key control
  partyid+female+age18_29 + age30_39 + age40_64 + # control
       education + inc_less40k + inc_40_79k                  # controls

models_index_link_black <-
  df_tidy_full %>%
  filter(c(linkedfate == 1 & black == 1),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type)) %>%
  map(~ lm(model_index_race, data = .))

tab_labels <- c("Contact", "Discrimination", "Police","Courts","Probation","Bail",
                "Halfway","Housing","Jail","ChildWelfare","Family Court", "Political Efficacy",
                "Political Interest",
```

```
                "Worship Attendance","Party ID", "Female",
                 "Age 18-29","Age 30-39", "Age 40-64",
                 "Education", "Income < 40K", "Income 40-70K",
                 "Contact X Disc")

stargazer(models_index_link_black, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
         title = "Moderation analysis: The impact of discrimination and institutional contact on partic
         out = "publication_tables2/mod_int_index_link_black.tex",
          label = "tab:mod_int_index_link_black",
         no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f"))
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Black Americans with linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.200

-0.029

0.080

0.001

-0.037

0.124

-0.007

-0.125

-0.218

(0.149)

(0.123)

(0.122)

(0.134)

(0.145)

(0.114)

(0.143)

(0.111)

(0.142)

Discrimination

0.426***

0.440***

0.384***

0.434***

0.406***

0.391***

0.393***

0.295**

0.410***

(0.117)

(0.119)

(0.127)

(0.118)

(0.116)

(0.120)

(0.118)

(0.130)

(0.118)

Police

0.096

0.099

0.093

0.099

0.100

0.101

0.100

0.099

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

(0.070)

Courts

0.212**

0.207**

0.206**

0.212**

0.210**

0.212**

0.201**

0.210**

(0.087)

(0.087)

(0.087)

(0.087)

(0.086)

(0.086)

(0.086)

(0.087)

Probation

-0.080

-0.086

-0.083

-0.086

-0.092

-0.089

-0.091

-0.077

(0.112)

(0.112)

(0.112)

(0.112)

(0.112)

(0.112)

(0.112)

(0.112)

Bail

-0.094

-0.081

-0.089

-0.096

-0.091

-0.093

-0.091

-0.076

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

Halfway

0.114

0.122

0.122

0.124

0.129

0.127

0.130

0.116

(0.114)

(0.114)

(0.114)

(0.115)

(0.114)

(0.114)

(0.114)

(0.114)

Housing

0.272***

0.270***

0.274***

0.269***

0.273***

0.274***

0.277***

0.272***

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

(0.076)

Jail

0.149

0.159

0.158

0.157

0.160

0.163

0.164

0.149

(0.112)

(0.113)

(0.112)

(0.112)

(0.112)

(0.112)

(0.112)

(0.112)

ChildWelfare

0.049

0.050

0.054

0.050

0.052

0.055

0.058

0.051

(0.090)

(0.090)

(0.090)

(0.090)

(0.090)

(0.090)

(0.090)

(0.090)

Family Court

0.102

0.103

0.096

0.102

0.098

0.099

0.101

0.100

(0.096)

(0.096)

(0.096)

(0.096)

(0.096)

(0.096)

(0.096)

(0.096)

Political Efficacy

0.066

0.064

0.065

0.064

0.066*

0.066

0.065

0.068*

0.066

(0.040)

(0.040)

(0.040)

(0.040)

(0.040)

(0.040)

(0.040)

(0.040)

Political Interest

0.804***

0.805***

0.804***

0.803***

0.805***

0.806***

0.804***

0.805***

0.805***

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

(0.057)

Worship Attendance

0.098***

0.097***

0.099***

0.097***

0.097***

0.098***

0.098***

0.100***

0.098***

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

Party ID

0.037

0.033

0.036

0.032

0.038

0.030

0.036

0.038

0.035

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

Female

0.058

0.058

0.057

0.059

0.059

0.058

0.064

0.062

0.059

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

Age 18-29

-0.259

-0.262

-0.257

-0.266

-0.256

-0.262

-0.268

-0.271

-0.263

(0.184)

(0.184)

(0.184)

(0.185)

(0.184)

(0.184)

(0.184)

(0.184)

(0.184)

Age 30-39

-0.510***

-0.513***

-0.510***

-0.515***

-0.510***

-0.514***

-0.514***

-0.507***

-0.512***

(0.184)

(0.184)

(0.184)

(0.184)

(0.184)

(0.184)

(0.184)

(0.184)

(0.184)

Age 40-64

-0.677***

-0.680***

-0.676***

-0.681***

-0.679***

-0.677***

-0.683***

-0.676***

-0.680***

(0.167)

(0.168)

(0.167)

(0.168)

(0.167)

(0.167)

(0.167)

(0.167)

(0.167)

Education

0.261***

0.260***

0.258***

0.261***

0.261***

0.258***

0.259***

0.257***

0.260***

(0.051)

(0.051)

(0.051)

(0.051)

(0.051)

(0.051)

(0.051)

(0.051)

(0.051)

Income < 40K

-0.602***

-0.603***

-0.605***

-0.603***

-0.600***

-0.605***

-0.609***

-0.611***

-0.605***

(0.142)

(0.142)

(0.142)

(0.142)

(0.142)

(0.142)

(0.142)

(0.142)

(0.142)

Income 40-70K

-0.138

-0.137

-0.137

-0.138

-0.141

-0.140

-0.144

-0.148

-0.140

(0.141)

(0.141)

(0.141)

(0.141)

(0.141)

(0.141)

(0.141)

(0.141)

(0.141)

Contact X Disc

0.167

0.107

0.174

0.133

0.237*

0.199*

0.233*

0.290**

0.185

(0.132)

(0.118)

(0.116)

(0.124)

(0.134)

(0.116)

(0.128)

(0.114)

(0.124)

Constant

-0.256

-0.251

-0.219

-0.247

-0.246

-0.222

-0.223

-0.169

-0.243

(0.305)

(0.306)

(0.307)

(0.306)

(0.305)

(0.306)

(0.306)

(0.307)

(0.305)

Observations

2,076

2,076

2,076

2,076

2,076

2,076

2,076

2,076

2,076

R2

0.248

0.248

0.249

0.248

0.249

0.249

0.249

0.250

0.249

Adjusted R2

0.240

0.240

0.241

0.240

0.241

0.241

0.241

0.242

0.241

Note:

p<0.1; ***p<0.05;*** p<0.01

```
models_index_nolink_black <-
  df_tidy_full %>%
  filter(c(linkedfate == 0 & black == 1),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type, .$black)) %>%
  map(~ lm(model_index_race, data = .))


stargazer(models_index_nolink_black, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_nolink_black.tex",
          label = "tab:mod_int_index_nolink_black",
         no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f"))
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Black Americans without linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

0.255

0.086

0.429***

0.170

-0.041

0.187*

-0.030

0.241**

0.302*

(0.156)

(0.136)

(0.134)

(0.150)

(0.165)

(0.112)

(0.158)

(0.117)

(0.170)

Discrimination

0.399***

0.419***

0.454***

0.325**

0.375***

0.440***

0.393***

0.396***

0.448***

(0.126)

(0.129)

(0.134)

(0.129)

(0.125)

(0.130)

(0.127)

(0.138)

(0.127)

Police

0.145

0.146

0.141

0.149*

0.144

0.142

0.134

0.125

(0.089)

(0.089)

(0.089)

(0.090)

(0.090)

(0.089)

(0.090)

(0.090)

Courts

0.266**

0.254**

0.260**

0.267**

0.265**

0.265**

0.264**

0.276**

(0.109)

(0.109)

(0.109)

(0.109)

(0.109)

(0.109)

(0.109)

(0.109)

Probation

0.069

0.074

0.074

0.054

0.064

0.070

0.069

0.049

(0.141)

(0.141)

(0.141)

(0.141)

(0.141)

(0.140)

(0.141)

(0.140)

Bail

0.108

0.113

0.129

0.103

0.102

0.127

0.130

0.098

(0.143)

(0.142)

(0.143)

(0.144)

(0.143)

(0.142)

(0.142)

(0.142)

Halfway

-0.170

-0.140

-0.141

-0.155

-0.155

-0.134

-0.154

-0.153

(0.143)

(0.143)

(0.143)

(0.144)

(0.143)

(0.144)

(0.143)

(0.143)

Housing

0.022

0.033

0.025

0.033

0.025

0.021

0.029

0.019

(0.089)

(0.088)

(0.088)

(0.089)

(0.089)

(0.089)

(0.089)

(0.088)

Jail

-0.129

-0.167

-0.159

-0.146

-0.131

-0.169

-0.158

-0.151

(0.142)

(0.143)

(0.142)

(0.143)

(0.143)

(0.143)

(0.143)

(0.142)

ChildWelfare

-0.058

-0.065

-0.057

-0.054

-0.044

-0.062

-0.052

-0.058

(0.114)

(0.114)

(0.115)

(0.114)

(0.114)

(0.114)

(0.114)

(0.114)

Family Court

0.137

0.151

0.128

0.146

0.146

0.135

0.130

0.141

(0.126)

(0.126)

(0.126)

(0.126)

(0.125)

(0.126)

(0.126)

(0.125)

Political Efficacy

0.008

0.007

0.006

0.004

0.007

0.007

0.008

0.004

0.008

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

Political Interest

0.554***

0.557***

0.553***

0.555***

0.554***

0.555***

0.553***

0.555***

0.553***

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

(0.062)

Worship Attendance

0.057*

0.058*

0.057*

0.058*

0.058*

0.056*

0.058*

0.057*

0.055*

(0.031)

(0.031)

(0.031)

(0.031)

(0.031)

(0.031)

(0.031)

(0.031)

Party ID

-0.067

-0.059

-0.070

-0.063

-0.063

-0.057

-0.061

-0.072

-0.079

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

Female

-0.031

-0.037

-0.038

-0.047

-0.037

-0.037

-0.038

-0.044

-0.029

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

Age 18-29

-0.585***

-0.586***

-0.601***

-0.593***

-0.594***

-0.591***

-0.586***

-0.592***

-0.588***

(0.223)

(0.223)

(0.222)

(0.223)

(0.223)

(0.222)

(0.223)

(0.223)

(0.222)

Age 30-39

-0.856***

-0.858***

-0.866***

-0.866***

-0.866***

-0.861***

-0.856***

-0.863***

-0.853***

(0.222)

(0.222)

(0.222)

(0.222)

(0.222)

(0.222)

(0.222)

(0.222)

(0.222)

Age 40-64

-0.707***

-0.721***

-0.721***

-0.714***

-0.714***

-0.710***

-0.711***

-0.715***

-0.704***

(0.204)

(0.204)

(0.204)

(0.204)

(0.204)

(0.203)

(0.204)

(0.204)

(0.203)

Education

0.147**

0.148**

0.151**

0.156***

0.152**

0.144**

0.148**

0.155***

0.145**

(0.059)

(0.059)

(0.059)

(0.059)

(0.059)

(0.059)

(0.059)

(0.059)

(0.059)

Income < 40K

-0.408**

-0.412**

-0.399**

-0.403**

-0.402**

-0.407**

-0.406**

-0.401**

-0.408**

(0.178)

(0.178)

(0.178)

(0.178)

(0.178)

(0.178)

(0.178)

(0.178)

(0.177)

Income 40-70K

-0.026

-0.040

-0.023

-0.037

-0.031

-0.035

-0.030

-0.031

-0.012

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

Contact X Disc

-0.287*

-0.283**

-0.286**

-0.055

-0.234

-0.299**

-0.247

-0.154

-0.386***

(0.155)

(0.143)

(0.134)

(0.159)

(0.163)

(0.134)

(0.155)

(0.131)

(0.147)

Constant

0.529

0.525

0.522

0.569

0.536

0.519

0.535

0.543

0.520

(0.359)

(0.359)

(0.359)

(0.359)

(0.360)

(0.359)

(0.359)

(0.360)

(0.358)

Observations

1,020

1,020

1,020

1,020

1,020

1,020

1,020

1,020

1,020

R2

0.203

0.203

0.204

0.200

0.202

0.204

0.202

0.201

0.206

Adjusted R2

0.185

0.186

0.186

0.183

0.184

0.186

0.185

0.184

0.188

Note:

p<0.1; ***p<0.05;*** p<0.01

Table A7, A8: The impact of discrimination and institutional contact on participation, among Latinos with (A7) and without (A8) linked fate

```
models_index_link_latino <-
  df_tidy_full %>%
  filter(c(linkedfate == 1 & latino == 1),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type)) %>%
  map(~ lm(model_index_race, data = .))

stargazer(models_index_link_latino, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on partic
          out = "publication_tables2/mod_int_index_link_latino.tex",
          label = "tab:mod_int_index_link_latino",
         no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Latinos with linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.325**

-0.072

-0.068

-0.063

-0.150

0.118

-0.175

0.175

-0.206

(0.163)

(0.151)

(0.133)

(0.149)

(0.177)

(0.146)

(0.164)

(0.117)

(0.167)

Discrimination

0.549***

0.602***

0.575***

0.615***

0.588***

0.581***

0.578***

0.520***

0.606***

(0.119)

(0.120)

(0.128)

(0.119)

(0.117)

(0.120)

(0.119)

(0.131)

(0.119)

Police

0.351***

0.345***

0.346***

0.346***

0.349***

0.350***

0.346***

0.348***

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

(0.083)

Courts

0.050

0.051

0.048

0.047

0.046

0.052

0.054

0.049

(0.103)
(0.103)
(0.103)
(0.103)
(0.103)
(0.103)
(0.103)
(0.103)
Probation
-0.099
-0.095
-0.087
-0.089
-0.096
-0.085
-0.101
-0.085
(0.135)
(0.135)
(0.135)
(0.135)
(0.135)
(0.135)
(0.135)
(0.135)
Bail
-0.115
-0.111
-0.115
-0.117
-0.114
-0.114
-0.107
-0.112
(0.140)
(0.140)

(0.140)
(0.140)
(0.140)
(0.140)
(0.140)
(0.140)
Halfway
0.025
0.052
0.038
0.045
0.042
0.045
0.040
0.035
(0.143)
(0.143)
(0.143)
(0.143)
(0.143)
(0.143)
(0.143)
(0.143)
Housing
0.291***
0.287***
0.287***
0.283**
0.287***
0.292***
0.295***
0.292***
(0.110)
(0.110)
(0.110)
(0.110)

(0.110)

(0.110)

(0.110)

(0.110)

Jail

0.004

0.016

0.014

0.018

0.017

0.019

0.009

0.009

(0.131)

(0.131)

(0.131)

(0.131)

(0.131)

(0.131)

(0.131)

(0.131)

ChildWelfare

0.061

0.060

0.061

0.070

0.066

0.061

0.058

0.058

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

(0.117)

Family Court

0.044

0.040

0.036

0.042

0.033

0.043

0.039

0.038

(0.122)

(0.122)

(0.122)

(0.122)

(0.122)

(0.122)

(0.122)

(0.122)

Political Efficacy

0.119**

0.119**

0.121**

0.120**

0.119**

0.118**

0.119**

0.120**

0.120**

(0.049)

(0.049)

(0.049)

(0.049)

(0.049)

(0.049)

(0.049)

(0.049)

(0.049)

Political Interest

0.902***

0.904***

0.902***

0.903***

0.900***

0.903***

0.903***

0.903***

0.902***

(0.066)

(0.066)

(0.066)

(0.066)

(0.066)

(0.066)

(0.066)

(0.066)

(0.066)

Worship Attendance

0.018

0.019

0.019

0.019

0.019

0.019

0.019

0.020

0.020

(0.031)

(0.031)

(0.031)

(0.031)

(0.031)

(0.031)
(0.031)
(0.031)
(0.031)
Party ID
0.006
0.007
0.007
0.010
0.007
0.005
0.006
0.011
0.008
(0.116)
(0.117)
(0.117)
(0.117)
(0.116)
(0.117)
(0.116)
(0.116)
(0.117)
Female
-0.007
-0.003
-0.003
-0.005
-0.006
-0.007
-0.006
-0.004
-0.009
(0.117)
(0.118)
(0.118)

(0.118)
(0.118)
(0.118)
(0.118)
(0.118)
(0.118)
Age 18-29
0.073
0.066
0.060
0.070
0.060
0.064
0.067
0.058
0.062
(0.349)
(0.349)
(0.349)
(0.349)
(0.349)
(0.349)
(0.349)
(0.349)
(0.349)
Age 30-39
0.085
0.079
0.071
0.080
0.070
0.075
0.079
0.069
0.072
(0.352)

(0.352)

(0.352)

(0.352)

(0.352)

(0.352)

(0.352)

(0.352)

(0.352)

Age 40-64

-0.032

-0.031

-0.041

-0.029

-0.041

-0.036

-0.034

-0.041

-0.039

(0.347)

(0.347)

(0.348)

(0.347)

(0.347)

(0.347)

(0.347)

(0.347)

(0.348)

Education

0.270***

0.264***

0.264***

0.265***

0.265***

0.264***

0.265***

0.262***

0.266***

(0.056)

(0.056)

(0.056)

(0.056)

(0.056)

(0.056)

(0.056)

(0.056)

(0.056)

Income < 40K

-0.784***

-0.772***

-0.772***

-0.771***

-0.783***

-0.782***

-0.783***

-0.781***

-0.776***

(0.159)

(0.159)

(0.159)

(0.159)

(0.159)

(0.159)

(0.159)

(0.159)

(0.159)

Income 40-70K

-0.176

-0.166

-0.169

-0.166

-0.176

-0.170

-0.174

-0.167

-0.168

(0.157)

(0.157)

(0.157)

(0.157)

(0.157)

(0.157)

(0.157)

(0.157)

(0.157)

Contact X Disc

0.370**

0.199

0.185

0.160

0.293*

0.254*

0.292*

0.252**

0.188

(0.151)

(0.148)

(0.132)

(0.144)

(0.160)

(0.144)

(0.151)

(0.123)

(0.147)

Constant

-0.671

-0.703

-0.681

-0.715

-0.668

-0.673

-0.678

-0.644

-0.696

(0.448)

(0.449)

(0.450)

(0.449)

(0.449)

(0.449)

(0.449)

(0.450)

(0.449)

Observations

1,735

1,735

1,735

1,735

1,735

1,735

1,735

1,735

1,735

R2

0.258

0.256

0.256

0.256

0.257

0.257

0.257

0.257

0.256

Adjusted R2

0.248

0.247

0.247

0.246

0.247

0.247

0.247

0.248

0.247

Note:

p<0.1; ***p<0.05;*** p<0.01

```
models_index_nolink_latino <-
  df_tidy_full %>%
  filter(c(linkedfate == 0 & latino == 1),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type, .$latino)) %>%
  map(~ lm(model_index_race, data = .))


stargazer(models_index_nolink_latino, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_nolink_latino.tex",
          label = "tab:mod_int_index_nolink_latino",
         no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Latinos without linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.082

-0.115

0.541***

-0.071

-0.092

-0.032

-0.102

0.219**

0.027

(0.167)

(0.137)

(0.126)

(0.128)

(0.160)

(0.139)

(0.167)

(0.104)

(0.182)

Discrimination

0.426***

0.389***

0.548***

0.413***

0.391***

0.405***

0.410***

0.518***

0.455***

(0.104)

(0.105)

(0.110)

(0.105)

(0.103)

(0.105)

(0.104)

(0.112)

(0.104)

Police

0.143

0.148*

0.140

0.147

0.149*

0.147

0.144

0.141

(0.089)

(0.089)

(0.089)

(0.090)

(0.089)

(0.089)

(0.089)

(0.089)

Courts

0.400***

0.405***

0.399***

0.395***

0.401***

0.395***

0.408***

0.399***

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

Probation

0.007

-0.002

-0.033

0.008

0.022

0.005

0.018

-0.015

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

Bail

-0.071

-0.062

-0.071

-0.077

-0.062

-0.057

-0.054

-0.057

(0.156)

(0.156)

(0.157)

(0.156)

(0.156)

(0.156)

(0.156)

(0.156)

Halfway

-0.006

0.002

0.016

0.003

0.002

-0.010

0.001

-0.001

(0.148)

(0.148)

(0.148)

(0.148)

(0.148)

(0.148)

(0.148)

(0.148)

Housing

0.029

0.038

0.006

0.033

0.037

0.034

0.013

0.026

(0.122)

(0.122)

(0.122)

(0.123)

(0.122)

(0.122)

(0.122)

(0.122)

Jail

-0.046

-0.051

-0.036

-0.051

-0.056

-0.045

-0.044

-0.055

(0.157)

(0.156)

(0.156)

(0.156)

(0.156)

(0.156)

(0.156)

(0.156)

ChildWelfare

-0.044

-0.060

-0.043

-0.043

-0.039

-0.046

-0.046

-0.040

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.127)

Family Court

-0.035

-0.036

-0.035

-0.027

-0.031

-0.033

-0.042

-0.031

(0.115)

(0.114)

(0.114)

(0.115)

(0.115)

(0.115)

(0.115)

(0.115)

Political Efficacy

0.097**

0.097**

0.097**

0.097**

0.097**

0.097**

0.097**

0.100**

0.097**

(0.042)

(0.042)

(0.042)

(0.042)

(0.042)

(0.042)

(0.042)

(0.042)

(0.042)

Political Interest

0.502***

0.503***

0.494***

0.503***

0.504***

0.504***

0.503***

0.494***

0.499***

(0.054)

(0.053)

(0.053)

(0.054)

(0.053)

(0.054)

(0.054)

(0.054)

(0.054)

Worship Attendance

0.065**

0.066**

0.063**

0.065**

0.064**

0.065**

0.065**

0.063**

0.065**

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

Party ID

-0.088

-0.089

-0.076

-0.090

-0.085

-0.089

-0.087

-0.081

-0.087

(0.099)

(0.099)

(0.099)

(0.099)

(0.099)

(0.099)

(0.099)

(0.099)

(0.099)

Female

-0.158

-0.156

-0.160

-0.155

-0.155

-0.156

-0.156

-0.161

-0.157

(0.104)

(0.103)

(0.103)

(0.104)

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

Age 18-29

0.146

0.142

0.143

0.143

0.149

0.148

0.149

0.146

0.146

(0.200)

(0.200)

(0.200)

(0.200)

(0.200)

(0.200)

(0.200)

(0.200)

(0.200)

Age 30-39

-0.167

-0.168

-0.165

-0.169

-0.163

-0.164

-0.169

-0.161

-0.167

(0.199)

(0.199)

(0.199)

(0.199)

(0.199)

(0.199)

(0.199)

(0.199)

(0.199)

Age 40-64

0.185

0.186

0.186

0.185

0.191

0.188

0.186

0.191

0.184

(0.188)

(0.188)

(0.188)

(0.188)

(0.188)

(0.188)

(0.188)

(0.188)

(0.188)

Education

0.165***

0.166***

0.163***

0.166***

0.165***

0.164***

0.166***

0.164***

0.165***

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

Income < 40K

-0.230*

-0.224

-0.237*

-0.226

-0.233*

-0.232*

-0.228*

-0.238*

-0.232*

(0.137)

(0.137)

(0.137)

(0.138)

(0.137)

(0.137)

(0.137)

(0.137)

(0.137)

Income 40-70K

0.105

0.110

0.095

0.109

0.107

0.104

0.107

0.094

0.101

(0.133)

(0.133)

(0.133)

(0.133)

(0.133)

(0.133)

(0.133)

(0.133)

(0.133)

Contact X Disc

0.065

0.216

-0.305**

0.105

0.252

0.139

0.144

-0.192

-0.080

(0.175)

(0.162)

(0.144)

(0.156)

(0.172)

(0.157)

(0.174)

(0.132)

(0.178)

Constant

-0.520*

-0.519*

-0.538*

-0.523*

-0.519*

-0.516*

-0.522*

-0.536*

-0.522*

(0.295)

(0.295)

(0.294)

(0.295)

(0.295)

(0.295)

(0.295)

(0.295)

(0.295)

Observations

1,264

1,264

1,264

1,264

1,264

1,264

1,264

1,264

1,264

R2

0.196

0.197

0.198

0.196

0.197

0.196

0.196

0.197

0.196

Adjusted R2

0.181

0.182

0.184

0.182

0.183

0.182

0.182

0.183

0.181

Note:

p<0.1; ***p<0.05;*** p<0.01

Table A9, A10: The impact of discrimination and institutional contact on participation, among Asian Americans with (A9) and without (A10) linked fate

```
models_index_link_asian <-
  df_tidy_full %>%
  filter(c(linkedfate == 1 & asian == 1),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type)) %>%
  map(~ lm(model_index_race, data = .))

stargazer(models_index_link_asian, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on partic
          out = "publication_tables2/mod_int_index_link_asian.tex",
          label = "tab:mod_int_index_link_asian",
         no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Asians with linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.139

0.073

-0.211

-0.823***

-0.001

0.348*

-0.372*

0.263**

0.294

(0.249)

(0.207)

(0.153)

(0.218)

(0.221)

(0.192)

(0.216)

(0.113)

(0.229)

Discrimination

0.571***

0.608***

0.555***

0.587***

0.588***

0.568***

0.574***

0.535***

0.555***

(0.098)

(0.098)

(0.103)

(0.098)

(0.098)

(0.098)

(0.098)

(0.107)

(0.098)

Police

0.391***

0.387***

0.394***

0.389***

0.389***

0.394***

0.386***

0.388***

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

Courts

-0.056

-0.060

-0.055

-0.056

-0.066

-0.059

-0.058

-0.055

(0.119)

(0.119)

(0.119)

(0.119)

(0.119)

(0.119)

(0.119)

(0.119)

Probation

0.526**

0.515**

0.531**

0.526**

0.509**

0.524**

0.536**

0.518**

(0.212)

(0.212)

(0.212)

(0.212)

(0.211)

(0.212)

(0.212)

(0.211)

Bail

0.094

0.090

0.086

0.112

0.086

0.086

0.093

0.077

(0.215)

(0.215)

(0.215)

(0.215)

(0.215)

(0.215)

(0.215)

(0.215)

Halfway

0.182

0.137

0.157

0.157

0.161

0.144

0.156

0.150

(0.196)

(0.195)

(0.195)

(0.196)

(0.195)

(0.195)

(0.195)

(0.195)

Housing

0.525***

0.510***

0.508***

0.517***

0.523***

0.529***

0.525***

0.529***

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

(0.172)

Jail

-0.175

-0.151

-0.170

-0.171

-0.169

-0.165

-0.177

-0.174

(0.177)

(0.177)

(0.178)

(0.178)

(0.178)

(0.177)

(0.178)

(0.177)

ChildWelfare

0.094

0.103

0.099

0.109

0.099

0.120

0.103

0.104

(0.181)

(0.181)

(0.181)

(0.180)

(0.181)

(0.180)

(0.180)

(0.180)

Family Court

-0.690***

-0.693***

-0.673***

-0.686***

-0.696***

-0.704***

-0.683***

-0.688***

(0.189)

(0.190)

(0.189)

(0.189)

(0.189)

(0.189)

(0.189)

(0.189)

Political Efficacy

0.151***

0.150***

0.153***

0.150***

0.152***

0.151***

0.150***

0.153***

0.152***

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

Political Interest

0.915***

0.917***

0.916***

0.918***

0.916***

0.916***

0.917***

0.918***

0.915***

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

(0.061)

Worship Attendance

-0.003

-0.002

-0.002

-0.002

-0.002

-0.003

-0.002

-0.001

-0.002

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

Party ID

0.182*

0.190*

0.183*

0.189*

0.185*

0.187*

0.186*

0.182*

0.183*

(0.098)

(0.098)

(0.098)

(0.098)

(0.098)

(0.097)

(0.098)

(0.098)

(0.097)

Female

0.034

0.034

0.035

0.031

0.033

0.034

0.032

0.035

0.032

(0.097)

(0.097)

(0.097)

(0.097)

(0.097)

(0.097)

(0.097)

(0.097)

(0.097)

Age 18-29

-0.179

-0.180

-0.172

-0.180

-0.180

-0.180

-0.180

-0.172

-0.174

(0.190)

(0.191)

(0.191)

(0.191)

(0.191)

(0.190)

(0.190)

(0.191)

(0.190)

Age 30-39

-0.337*

-0.329*

-0.326*

-0.333*

-0.335*

-0.338*

-0.331*

-0.322*

-0.332*

(0.186)

(0.186)

(0.186)

(0.186)

(0.186)

(0.186)

(0.186)

(0.186)

(0.186)

Age 40-64

-0.494***

-0.495***

-0.485***

-0.492***

-0.495***

-0.493***

-0.490***

-0.477***

-0.490***

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.180)

Education

0.121**

0.118**

0.119**

0.119**

0.119**

0.120**

0.120**

0.118**

0.121**

(0.050)

(0.050)

(0.050)

(0.050)

(0.050)

(0.050)

(0.050)

(0.050)

(0.050)

Income < 40K

-0.217*

-0.212*

-0.218*

-0.211*

-0.214*

-0.215*

-0.216*

-0.212*

-0.221*

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

Income 40-70K

-0.229**

-0.222**

-0.231**

-0.225**

-0.225**

-0.229**

-0.229**

-0.222**

-0.233**

(0.110)

(0.110)

(0.110)

(0.110)

(0.110)

(0.110)

(0.110)

(0.110)

(0.110)

Contact X Disc

0.351*

0.082

0.232

0.230

0.230

0.314*

0.322*

0.215*

0.414**

(0.186)

(0.171)

(0.148)

(0.183)

(0.183)
(0.171)
(0.179)
(0.125)
(0.173)
Constant
-0.929***
-0.951***
-0.931***
-0.941***
-0.939***
-0.928***
-0.932***
-0.930***
-0.926***
(0.293)
(0.293)
(0.293)
(0.293)
(0.293)
(0.293)
(0.293)
(0.293)
(0.293)
Observations
1,847
1,847
1,847
1,847
1,847
1,847
1,847
1,847
1,847
R2
0.247

0.246

0.247

0.247

0.247

0.247

0.247

0.247

0.248

Adjusted R2

0.238

0.237

0.238

0.238

0.238

0.238

0.238

0.238

0.239

Note:

p<0.1; ***p<0.05;*** p<0.01

```
models_index_nolink_asian <-
  df_tidy_full %>%
  filter(c(linkedfate == 0 & asian == 1),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type, .$asian)) %>%
  map(~ lm(model_index_race, data = .))


stargazer(models_index_nolink_asian, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_nolink_asian.tex",
          label = "tab:mod_int_index_nolink_asian",
         no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Asians without linked fate

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.016

0.149

0.181

0.183

0.532**

0.439**

-0.338

0.486***

0.334

(0.190)

(0.192)

(0.130)

(0.209)

(0.215)

(0.175)

(0.235)

(0.111)

(0.219)

Discrimination

0.484***

0.455***

0.525***

0.470***

0.477***

0.473***

0.457***

0.550***

0.480***

(0.099)

(0.100)

(0.105)

(0.100)

(0.099)

(0.100)

(0.099)

(0.107)

(0.099)

Police

0.315***

0.327***

0.347***

0.325***

0.326***

0.324***

0.322***

0.327***

(0.095)

(0.095)

(0.095)

(0.095)
(0.095)
(0.095)
(0.095)
(0.095)
Courts
0.036
0.035
0.035
0.030
0.029
0.033
0.057
0.031
(0.118)
(0.118)
(0.118)
(0.118)
(0.118)
(0.118)
(0.118)
(0.118)
Probation
0.186
0.164
0.168
0.177
0.194
0.150
0.202
0.178
(0.204)
(0.204)
(0.203)
(0.204)
(0.204)

(0.203)

(0.206)

(0.203)

Bail

-0.111

-0.126

-0.129

-0.150

-0.098

-0.122

-0.158

-0.158

(0.190)

(0.189)

(0.190)

(0.191)

(0.189)

(0.190)

(0.190)

(0.191)

Halfway

0.375*

0.376*

0.377*

0.365*

0.387*

0.376*

0.391**

0.393**

(0.198)

(0.199)

(0.198)

(0.198)

(0.199)

(0.198)

(0.198)

(0.198)

Housing

0.357**

0.311*

0.304*

0.334**

0.323*

0.333**

0.305*

0.305*

(0.167)

(0.169)

(0.168)

(0.167)

(0.167)

(0.167)

(0.168)

(0.168)

Jail

-0.394*

-0.438*

-0.436*

-0.448**

-0.402*

-0.417*

-0.438*

-0.367

(0.225)

(0.225)

(0.224)

(0.224)

(0.225)

(0.225)

(0.224)

(0.227)

ChildWelfare

0.007

0.022

0.019

0.032

0.006

0.024

0.020

0.017

(0.172)

(0.171)

(0.172)

(0.171)

(0.172)

(0.172)

(0.171)

(0.172)

Family Court

0.027

0.020

0.041

0.004

0.034

0.024

0.028

0.011

(0.192)

(0.193)

(0.192)

(0.193)

(0.192)

(0.193)

(0.192)

(0.193)

Political Efficacy

0.060

0.054

0.056

0.057

0.058

0.057

0.055

0.055

0.056

(0.044)

(0.044)

(0.044)

(0.044)

(0.044)

(0.044)

(0.044)

(0.044)

(0.044)

Political Interest

0.531***

0.534***

0.536***

0.531***

0.529***

0.531***

0.534***

0.529***

0.533***

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

(0.052)

Worship Attendance

0.076***

0.078***

0.076***

0.077***

0.077***

0.077***

0.077***

0.078***

0.075***

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

(0.026)

Party ID

-0.117

-0.119

-0.107

-0.119

-0.120

-0.117

-0.117

-0.117

-0.125

(0.091)

(0.091)

(0.091)

(0.091)

(0.091)

(0.091)

(0.091)

(0.090)

(0.091)

Female

-0.045

-0.052

-0.046

-0.051

-0.046

-0.049

-0.050

-0.044

-0.048

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

(0.093)

Age 18-29

-0.051

-0.056

-0.044

-0.057

-0.053

-0.050

-0.055

-0.054

-0.056

(0.173)

(0.174)

(0.173)

(0.173)

(0.173)

(0.174)

(0.174)

(0.173)

(0.173)

Age 30-39

-0.119

-0.119

-0.103

-0.120

-0.118

-0.121

-0.119

-0.105

-0.118

(0.165)

(0.166)

(0.166)

(0.166)

(0.166)

(0.166)

(0.166)

(0.165)

(0.165)

Age 40-64

0.052

0.058

0.066

0.056

0.052

0.059

0.057

0.060

0.058

(0.158)

(0.158)

(0.158)

(0.158)

(0.158)

(0.158)

(0.158)

(0.157)

(0.158)

Education

-0.017

-0.018

-0.012

-0.019

-0.018

-0.016

-0.017

-0.013

-0.016

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

(0.046)

Income $<$ 40K

-0.142

-0.140

-0.135

-0.144

-0.148

-0.143

-0.140

-0.141

-0.138

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

(0.128)

Income 40-70K

0.015

0.019

0.010

0.016

0.013

0.015

0.016

0.005

0.018

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

(0.107)

Contact X Disc

-0.532**

-0.258

-0.430**

-0.362*

-0.427**

-0.367*

-0.318

-0.397***

-0.444**

(0.215)

(0.197)

(0.172)

(0.198)

(0.202)

(0.201)

(0.216)

(0.145)

(0.200)

Constant

-0.180

-0.158

-0.220

-0.159

-0.163

-0.171

-0.162

-0.203

-0.170

(0.264)

(0.264)

(0.265)

(0.264)

(0.264)

(0.264)

(0.264)

(0.264)

(0.264)

Observations

1,158

1,158

1,158

1,158

1,158

1,158

1,158

1,158

1,158

R2

0.216

0.213

0.216

0.214

0.215

0.214

0.213

0.217

0.215

Adjusted R2

0.201

0.198

0.201

0.199

0.199

0.199

0.198

0.202

0.200

Note:

p<0.1; ***p<0.05;*** p<0.01

Figure 5: The moderating effect of a politicized group identity on involuntary institutional contact and participation by race.

```
model_index_race <-
  polpart_index ~
  contact*disc2 +
  Police + Courts +    # contact
  Probation + Bail +     # contact
  Halfway + Housing + # contact
  Jail + ChildWelfare + # contact
  FamilyCourt +      # contact
  external_efficacy + pol_interest + worship_att +         # key control
  partyid+female+age18_29 + age30_39 + age40_64 + citizen + # control
       education + inc_less40k + inc_40_79k                  # controls

models_index_link_race <-
  df_tidy_full %>%
```

```
  filter(linkedfate == 1,
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type, .$race)) %>%
  map(~ lm(model_index_race, data = .)) %>%
  map(tidy)

models_index_nolink_race <-
  df_tidy_full %>%
  filter(linkedfate == 0,
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type, .$race)) %>%
  map(~ lm(model_index_race, data = .)) %>%
  map(tidy)

models_index_nolink_race %>%
  enframe(name = "type") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") %>%
  separate(type, c("type",  "race"), extra = "merge") ->
  df_models_plot_nolink_race

models_index_link_race %>%
  enframe(name = "type") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") %>%
  separate(type, c("type", "race"), extra = "merge") ->
  df_models_plot_link_race

df_models_all_race <- rbind(df_models_plot_link_race,
                        df_models_plot_nolink_race)


df_models_all_race <- df_models_all_race %>%
  mutate(race1=case_when(
    race=="black"~"1",                                                    race=="latino"~"2
    race=="asian"~"3"))

lab <- c(
  "1" = "Black",
  "2" = "Latino",
  "3" = "Asian"
)

type_legend <- c(
  "Bail", "Court", "Family",
  "Halfway", "Housing", "Jail",
  "Police", "Probation", "ChildWelfare"
```

```
)

ggplot(
  df_models_all_race %>%
    filter(term == "contact:disc2" & race != "index$"),
  aes(
    x = term %>%
      fct_relevel("contact:disc2") %>%
      fct_rev(),
    y = estimate,
    color = type %>%
      fct_relevel(
        "Police", "Courts", "Probation",
        "Bail", "Jail", "Halfway",
        "Housing", "FamilyCourt", "ChildWelfare"
      ) %>%
      fct_rev(),
    shape = type %>%
      fct_relevel(
        "Police", "Courts", "Probation",
        "Bail", "Jail", "Halfway",
        "Housing", "FamilyCourt", "ChildWelfare"
      ) %>%
      fct_rev(),
    ymax = estimate + (1.6 * std.error),
    ymin = estimate - (1.6 * std.error)
  )
) +
  geom_pointrange(
    position = position_dodge(width = .75),
    size = .8
  ) +
  geom_hline(yintercept = 0, linetype = "dashed") +
  coord_flip() +
  facet_grid(subset ~ race1,
    # scales = "free_x",
    labeller = labeller(race1 = lab)
  ) +
  scale_x_discrete(labels = c("Contact X Discrimination")) +
  scale_shape_manual(values=seq(1:9)) +
  scale_color_tableau() +
  labs(
    x = "",
    y = "Estimate",
    shape = "Type of\n Contact",
    color = "Type of\n Contact"
  ) +
  theme_bw() +
  ggsave("publication_plots2/coefplot_race_subgroups.png",
    width = 7, height = 6.5
  )
```

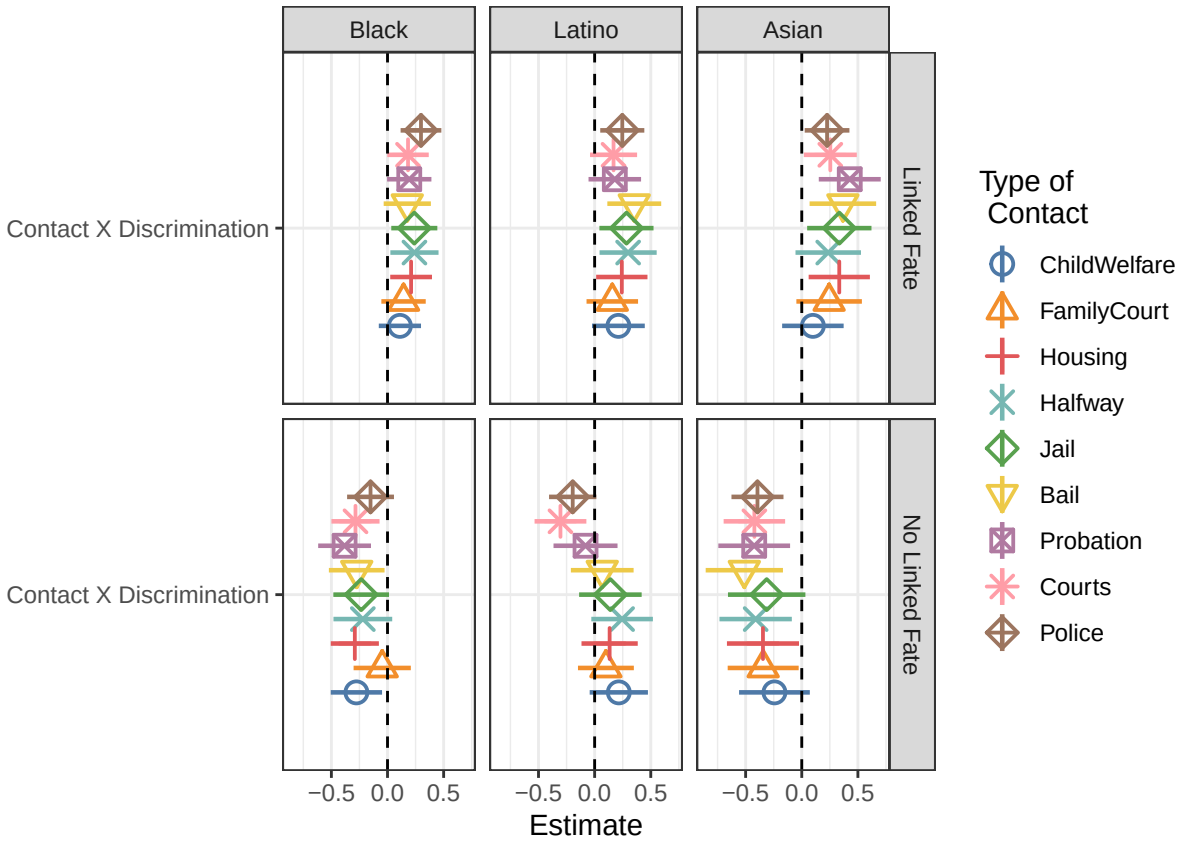
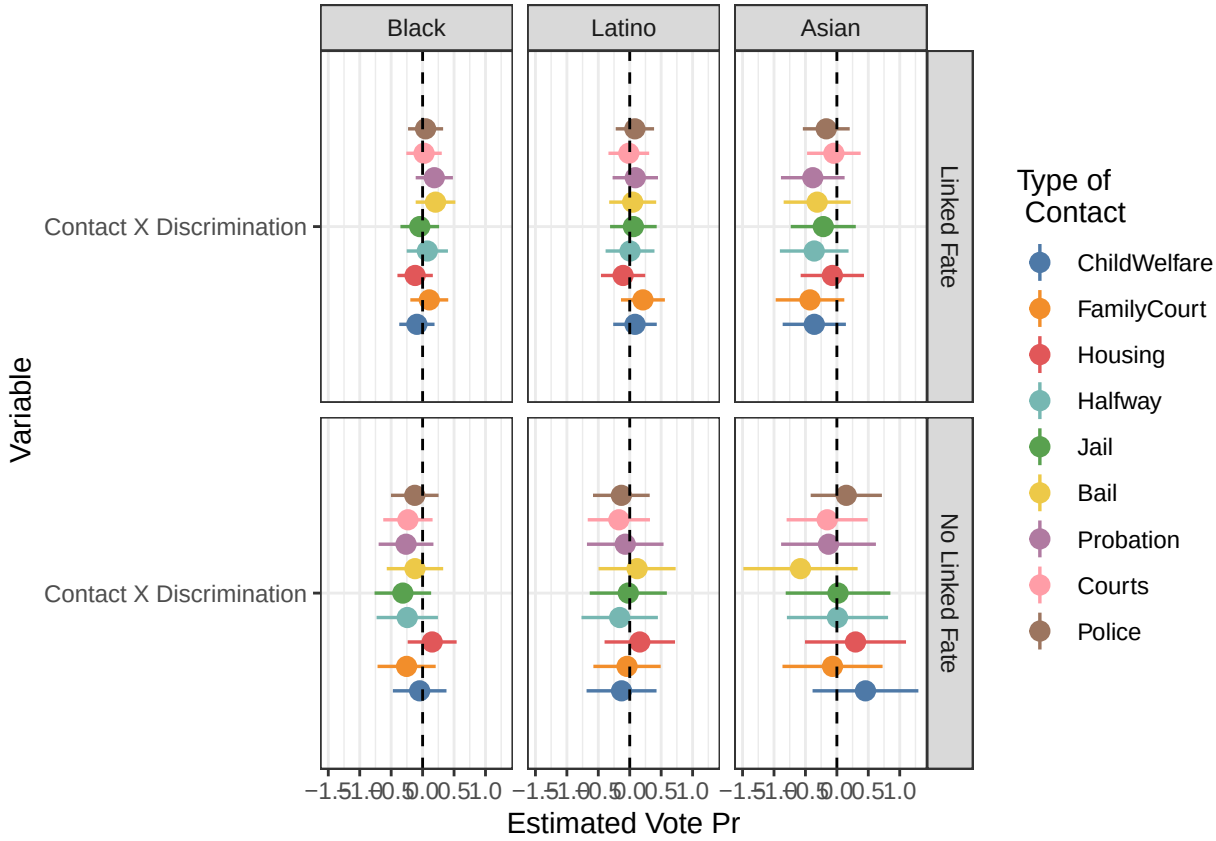


Figure A4: The impact of a politicized group identity and institutional contact on self-reported voting by race

```
model_vote_race <-
  voted ~
  contact*disc2 +
  Police + Courts +    # contact
  Probation + Bail +     # contact
  Halfway + Housing + # contact
  Jail + ChildWelfare + # contact
  FamilyCourt +      # contac
  external_efficacy + pol_interest + worship_att +         # key control
  partyid+female+age18_29 + age30_39 + age40_64 + citizen + # control
       education + inc_less40k + inc_40_79k                  # controls

models_vote_link_race <-
  df_tidy_full %>%
  filter(linkedfate == 1,
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type, .$race)) %>%
  map(~ glm(model_vote_race, data = ., family = "binomial")) %>%
  map(tidy)

models_vote_nolink_race <-
```

```
  df_tidy_full %>%
  filter(linkedfate == 0,
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(list(.$type, .$race)) %>%
  map(~ glm(model_vote_race, data = ., family = "binomial")) %>%
  map(tidy)

models_vote_nolink_race %>%
  enframe(name = "type") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") %>%
  separate(type, c("type",  "race"), extra = "merge") ->
  df_models_plot_nolink_race

models_vote_link_race %>%
  enframe(name = "type") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") %>%
  separate(type, c("type", "race"), extra = "merge") ->
  df_models_plot_link_race

df_models_all_race <- rbind(df_models_plot_link_race,
                        df_models_plot_nolink_race)


df_models_all_race_vote <- df_models_all_race %>%
  mutate(race1=case_when(race=="black"~"1",
                         race == "latino"~"2",
                         race=="asian"~"3"))

lab <- c(
  "1" = "Black",
  "2" = "Latino",
  "3" = "Asian"
)

type_legend <- c("Bail", "Court",  "Family",
                 "Halfway", "Housing",  "Jail",
                 "Police", "Probation", "ChildWelfare")

ggplot(df_models_all_race_vote %>%
         filter(term == "contact:disc2" &
                  race !="index$"),
       aes(x = term %>%
             fct_relevel("contact:disc2") %>%
             fct_rev(),
           y = estimate,
           color = type %>%
             fct_relevel("Police", "Courts",
```

```
                        "Probation",
                        "Bail", "Jail",
                        "Halfway",
                        "Housing", "FamilyCourt",
                        "ChildWelfare") %>%
                           fct_rev(),
          ymax = estimate + (1.96*std.error),
          ymin = estimate - (1.96*std.error))) +
geom_pointrange(position = position_dodge(width = .75),
                size = .6) +
geom_hline(yintercept = 0, linetype = "dashed") +
coord_flip() +
facet_grid(subset ~ race1,
           #scales = "free_x",
           labeller=labeller(race1=lab)) +
scale_x_discrete(labels=c("Contact X Discrimination")) +
scale_color_tableau() +
labs(x = "Variable", y = "Estimated Vote Pr",
     color = "Type of\n Contact") +
theme_bw() +
ggsave("publication_plots2/vote_plot_race.pdf",
       width = 8, height = 6)
```



Robustness check

Figure A4: Breaking out the participation battery

```
y_var = list("campaign_vol", "donate", "campaign_button", "contact_rep", "contact_any", "work_others",


x_var = list(c("contact*disc2",
               "ChildWelfare", "FamilyCourt", # contact
               "Housing", "Halfway",   # contact
               "Jail", "Bail", # contact
               "Probation", "Courts", "Police", # contact
               "external_efficacy", "pol_interest", "worship_att",  # key control
               "partyid", "female", "age18_29", "age30_39", "age40_64",  # control
               "education", "inc_less40k", "inc_40_79k", "race"))

z_type = c("ChildWelfare", "FamilyCourt", # contact
               "Housing", "Halfway",   # contact
               "Jail", "Bail", # contact
               "Probation", "Courts", "Police", "ChildWelfare", "FamilyCourt")



mod_plots_index_nolink <-
forms<- map2(x_var, y_var,  ~ (paste(.y, "~",                                    paste(.x, collapse = " +
```

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "ChildWelfare")))

mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "ChildWelfare")))


mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink

mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
```

```
  df_models_plot_link

df_models_ChildWelfare <- rbind(df_models_plot_link,
                        df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "ChildWelfare")
```

"ChildWelfare",

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "FamilyCourt")))

mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "FamilyCourt")))


mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link


df_models_FamilyCourt <- rbind(df_models_plot_link,
                        df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "FamilyCourt")
```

"FamilyCourt",

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "Housing")))

mod_plots_index_link <-
```

```
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "Housing")))


mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link


df_models_Housing<- rbind(df_models_plot_link,
                      df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "Housing")
```

"Housing"

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "Halfway")))

mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "Halfway")))


mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink
```

```
mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link


df_models_Halfway <- rbind(df_models_plot_link,
                       df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "Halfway")
```

"Halfway",

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "Jail")))

mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "Jail")))


mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link


df_models_Jail <- rbind(df_models_plot_link,
                       df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "Jail")
```

"Jail"

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "Bail")))

mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "Bail")))


mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link


df_models_Bail <- rbind(df_models_plot_link,
                        df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "Bail")
```

“Bail”,

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "Probation")))


mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "Probation")))


mod_plots_index_nolink %>%
```

```
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link


df_models_Probation <- rbind(df_models_plot_link,
                       df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "Probation")
```

"Probation",

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "Courts")))

mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "Courts")))

mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link
```

```
df_models_Courts <- rbind(df_models_plot_link,
                          df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "Courts")
```

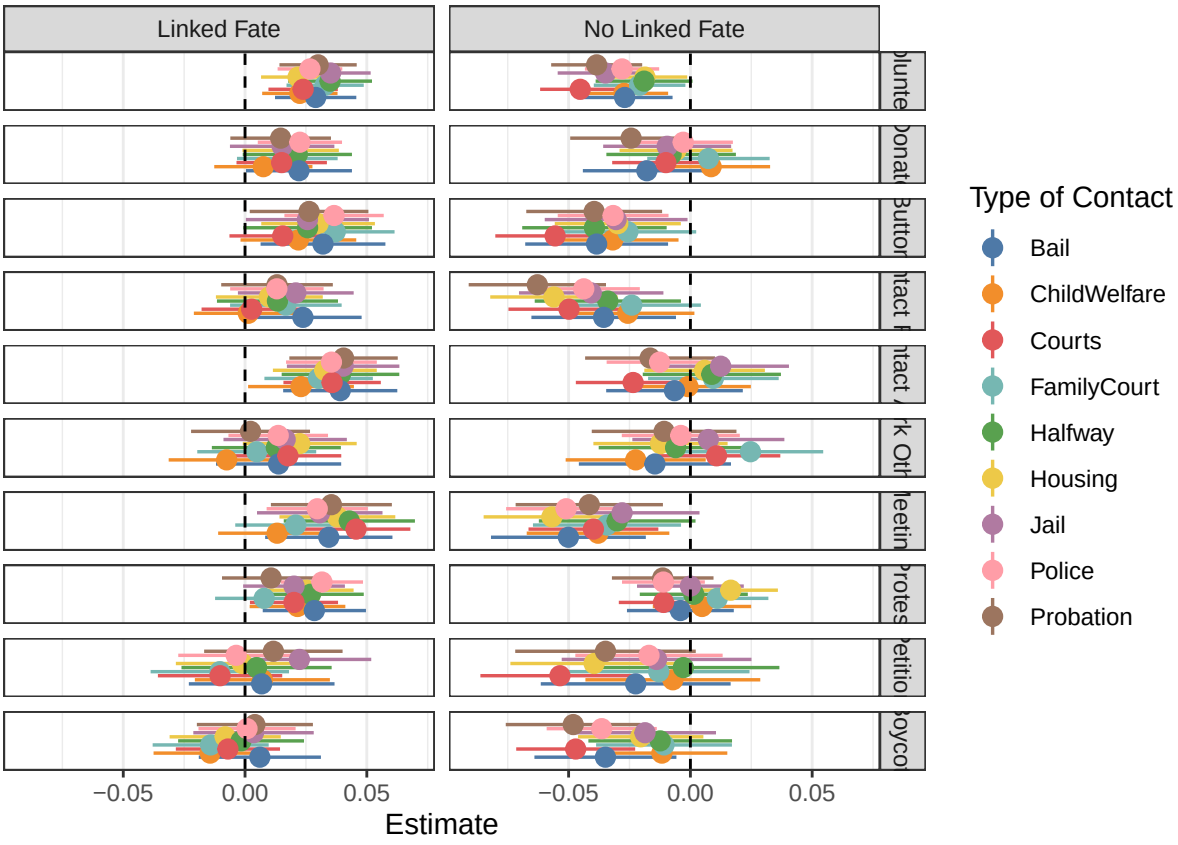
"Courts"

```
mod_plots_index_nolink <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 0,
                                  type == "Police")))

mod_plots_index_link <-
map2(x_var, y_var,  ~ lm(as.formula(paste(.y, "~", paste(.x, collapse = " + "))),
                         data = df_tidy_full  %>%
                           filter(linkedfate == 1,
                                  type == "Police")))


mod_plots_index_nolink %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "No Linked Fate") ->
  df_models_plot_nolink


mod_plots_index_link %>%
  map(tidy) %>%
  enframe(name = "Type_Participation") %>%
  unnest() %>%
  filter(term %in% c("contact", "disc2", "contact:disc2")) %>%
  mutate(subset = "Linked Fate") ->
  df_models_plot_link
```

"Police",

```
df_models_Police <- rbind(df_models_plot_link,
                          df_models_plot_nolink) %>%
  mutate(Type_of_Contact = "Police")

df_models_all <-  rbind(df_models_ChildWelfare, df_models_FamilyCourt, df_models_Housing,
                        df_models_Halfway, df_models_Jail, df_models_Bail, df_models_Probation,
                        df_models_Courts, df_models_Police)


y_labels <- c(`1` = "Volunteer",
              `2` = "Donate",
             `3` =  "Button",
             `4` = "Contact Rep",
```

```
              `5` = "Contact Any",
              `6` =  "Work Others",
              `7` =  "Meeting",
              `8` = "Protest",
              `9` = "Petition",
              `10` = "Boycott")

ggplot(df_models_all %>% filter(term =="contact:disc2"),
       aes(x = term,
           y = estimate,
           color = factor(Type_of_Contact),
           ymax = estimate + (1.6*std.error),
           ymin = estimate - (1.6*std.error))) +
  geom_pointrange(position = position_dodge(width = .75),
                  size = .6) +
  geom_hline(yintercept = 0, linetype = "dashed") +
  scale_color_tableau() +
  scale_x_discrete(breaks=NULL) +
  coord_flip() +
  facet_grid(Type_Participation ~ subset, labeller = labeller(Type_Participation = y_labels)) +
  labs(x = "", y = "Estimate",
       color = "Type of Contact") +
  theme_bw()  +
    ggsave("publication_plots2/coefplot_robust_itemized2.pdf",
         width = 7, height = 9.5)
```



Ploting Figure A4

```
model_index <-
  polpart_index ~
  contact*disc2 +
  ChildWelfare + FamilyCourt +  # contact
  Housing + Halfway +   # contact
  Jail + Bail + # contact
  Probation + Courts + Police + # contact
  external_efficacy + pol_interest + worship_att + # key control
  partyid+female+age18_29 + age30_39 + age40_64 +  # control
  education + inc_less40k + inc_40_79k +race   # controls


mod_plots_index_nolink <-
  df_tidy_full %>%
  filter(pan_id == 1, c(race=="asian" | race=="latino"),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .))

mod_plots_index_link <-
  df_tidy_full %>%
   filter(pan_id == 4, c(race=="asian" | race=="latino"),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .))


tab_labels <- c("Contact", "Discrimination", "ChildWelfare",  "Family Court","Housing",
                "Halfway", "Jail",   "Bail", "Probation",
                "Courts", "Police", "Political Efficacy", "Political Interest",
               "Worship Attendance","Party ID", "Female",
               "Age 40-64", "Age 30-39", "Age 18-29",
                "Education", "Income < 40K", "Income 40-70K","Latino",
                "Contact X Disc")


stargazer(mod_plots_index_link, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "ChildWelfare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_panethnic.tex",
          label = "tab:mod_int_index_panethnic",
          no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
```

)

Moderation analysis: The impact of discrimination and institutional contact on participation, among Asians and Latinos with a strong panethnic identity

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

ChildWelfare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.100

-0.002

-0.129

-0.255**

-0.080

0.014

-0.118

0.267***

-0.223

(0.154)

(0.129)

(0.113)

(0.126)

(0.144)

(0.122)

(0.157)

(0.088)

(0.152)

Discrimination

0.606***

0.644***

0.583***

0.642***

0.614***

0.609***

0.591***

0.532***

0.608***

(0.083)

(0.083)

(0.087)

(0.083)

(0.082)

(0.083)

(0.082)

(0.090)

(0.083)

ChildWelfare

0.047

0.040

0.046

0.050

0.048

0.040

0.039

0.043

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

Family Court

-0.204*

-0.204*

-0.198*

-0.203*

-0.211**

-0.209**

-0.194*

-0.210**

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

Housing

0.146

0.143

0.142

0.140

0.144

0.153

0.162

0.142

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

Halfway

0.060

0.068

0.068

0.068

0.072

0.080

0.075

0.068

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

Jail

0.137

0.139

0.136

0.138

0.139

0.141

0.112

0.140

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

Bail

0.062

0.072

0.063

0.052

0.063

0.068

0.068

0.059

(0.133)

(0.133)

(0.133)

(0.132)

(0.132)

(0.132)

(0.132)

(0.132)

Probation

-0.074

-0.065

-0.065

-0.067

-0.072

-0.077

-0.069

-0.068

(0.129)

(0.130)

(0.129)

(0.130)

(0.129)

(0.130)

(0.129)

(0.129)

Courts

0.023

0.018

0.018

0.018

0.015

0.024

0.016

0.021

(0.087)

(0.087)

(0.087)

(0.087)

(0.087)

(0.087)

(0.087)

(0.087)

Police

0.442***

0.440***

0.442***

0.441***

0.444***

0.447***

0.436***

0.442***

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

Political Efficacy

0.067*

0.067*

0.068*

0.068*

0.067*

0.067*

0.065*

0.067*

0.067*

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

Political Interest

0.800***

0.799***

0.798***

0.799***

0.799***

0.800***

0.801***

0.800***

0.800***

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

Worship Attendance

0.005

0.006

0.005

0.006

0.006

0.006

0.005

0.007

0.006

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

Party ID

0.034

0.034

0.027

0.034

0.034

0.032

0.036

0.028

0.034

(0.084)

(0.084)

(0.084)

(0.084)

(0.084)

(0.084)

(0.084)

(0.084)

(0.084)

Female

-0.013

-0.009

-0.011

-0.009

-0.012

-0.011

-0.009

-0.015

-0.012

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

(0.088)

Age 40-64

0.199

0.191

0.195

0.190

0.192

0.195

0.198

0.200

0.195

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

Age 30-39

-0.033

-0.030

-0.036

-0.030

-0.034

-0.031

-0.038

-0.035

-0.034

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

Age 18-29

-0.011

-0.011

-0.014

-0.012

-0.012

-0.010

-0.008

-0.007

-0.012

(0.176)

(0.176)

(0.176)

(0.176)
(0.176)
(0.176)
(0.176)
(0.176)
(0.176)
Education
0.218***
0.214***
0.215***
0.214***
0.216***
0.215***
0.218***
0.213***
0.217***
(0.040)
(0.040)
(0.040)
(0.040)
(0.040)
(0.040)
(0.040)
(0.039)
(0.040)
Income < 40K
-0.525***
-0.521***
-0.528***
-0.520***
-0.522***
-0.525***
-0.531***
-0.530***
-0.525***
(0.111)

(0.111)
(0.111)
(0.111)
(0.111)
(0.111)
(0.111)
(0.111)
(0.111)
Income 40-70K
-0.103
-0.102
-0.109
-0.102
-0.104
-0.101
-0.106
-0.101
-0.101
(0.104)
(0.104)
(0.104)
(0.104)
(0.104)
(0.104)
(0.104)
(0.104)
(0.104)
Latino
0.411***
0.410***
0.409***
0.410***
0.411***
0.410***
0.417***
0.403***

0.412***

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

Contact X Disc

0.281**

0.073

0.229**

0.085

0.258*

0.223*

0.387***

0.286***

0.263**

(0.137)

(0.124)

(0.113)

(0.125)

(0.136)

(0.123)

(0.140)

(0.097)

(0.131)

Constant

-1.077***

-1.092***

-1.046***

-1.091***

-1.074***

-1.072***

-1.068***

-1.021***

-1.076***

(0.253)

(0.253)

(0.254)

(0.253)

(0.253)

(0.254)

(0.253)

(0.254)

(0.253)

Observations

2,741

2,741

2,741

2,741

2,741

2,741

2,741

2,741

2,741

R2

0.234

0.233

0.234

0.233

0.234

0.234

0.235

0.235

0.234

Adjusted R2

0.228

0.227

0.228

0.227

0.228

0.227

0.229

0.229

0.228

Note:

p<0.1; ***p<0.05;*** p<0.01

```
stargazer(mod_plots_index_nolink, type = "html",
                    dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
           title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_nopanethnic.tex",
          label = "tab:mod_int_index_nopanethnic",
        no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Asians and Latinos without a strong panethnic identity

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.079

-0.156

0.705***

-0.482

1.090***

-0.022

-0.026

0.605**

-0.752*

(0.287)

(0.265)

(0.263)

(0.326)

(0.361)

(0.359)

(0.317)

(0.239)

(0.417)

Discrimination

0.484*

0.303

0.724***

0.372

0.402

0.384

0.352

0.708**

0.365

(0.251)

(0.253)

(0.267)

(0.253)

(0.248)

(0.249)

(0.256)

(0.276)

(0.255)

ChildWelfare

-0.094

-0.195

-0.076

-0.074

-0.074

-0.077

-0.106

-0.074

(0.248)

(0.250)

(0.248)

(0.248)

(0.251)

(0.248)

(0.247)

(0.248)

Family Court

-0.382

-0.503*

-0.392

-0.451

-0.462

-0.473

-0.385

-0.465

(0.302)

(0.297)

(0.291)

(0.298)

(0.297)

(0.296)

(0.293)

(0.294)

Housing

-0.050

0.056

-0.101

-0.012

-0.030

-0.020

-0.113

-0.010

(0.347)

(0.356)

(0.344)

(0.348)

(0.353)

(0.346)

(0.346)

(0.348)

Halfway

1.098***

1.020***

1.203***

1.059***

1.065***

1.062***

1.187***

1.051***

(0.330)

(0.333)

(0.330)

(0.331)

(0.329)

(0.329)

(0.331)

(0.335)

Jail

-0.043

-0.005

-0.101

0.004

-0.006

0.001

-0.108

0.007

(0.310)

(0.307)

(0.306)

(0.308)

(0.311)

(0.308)

(0.309)

(0.308)

Bail

-0.112

-0.203

-0.134

-0.142

-0.133

-0.121

-0.145

-0.124

(0.283)

(0.280)

(0.282)

(0.285)

(0.284)

(0.285)

(0.280)

(0.286)

Probation

-0.701*

-0.758*

-0.694*

-0.716*

-0.704*

-0.718*

-0.728*

-0.831**

(0.385)

(0.388)

(0.381)

(0.385)

(0.393)

(0.387)

(0.387)

(0.386)

Courts

0.382*

0.380*

0.362

0.362

0.360

0.362

0.471**

0.356

(0.229)

(0.229)

(0.228)

(0.228)

(0.228)

(0.228)

(0.232)

(0.229)

Police

0.366*

0.397*

0.413*

0.377*

0.369*

0.376*

0.387*

0.384*

(0.215)

(0.217)

(0.214)

(0.217)

(0.217)

(0.218)

(0.219)

(0.220)

Political Efficacy

-0.004

-0.016

-0.001

-0.011

-0.010

-0.011

-0.012

-0.004

-0.011

(0.077)

(0.077)

(0.076)

(0.077)

(0.077)

(0.077)

(0.077)

(0.076)

(0.077)

Political Interest

0.459***

0.474***

0.432***

0.468***

0.466***

0.467***

0.469***

0.430***

0.468***

(0.096)

(0.096)

(0.096)

(0.097)

(0.096)

(0.096)

(0.096)

(0.097)

(0.096)

Worship Attendance

0.237***

0.234***

0.233***

0.236***

0.237***

0.237***

0.236***

0.234***

0.237***

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

(0.063)

Party ID

-0.091

-0.110

-0.060

-0.105

-0.098

-0.101

-0.105

-0.090

-0.101

(0.208)

(0.208)

(0.206)

(0.210)

(0.209)

(0.209)

(0.209)

(0.206)

(0.208)

Female

-0.102

-0.099

-0.103

-0.102

-0.105

-0.103

-0.102

-0.128

-0.102

(0.203)

(0.203)

(0.201)

(0.204)

(0.204)

(0.204)

(0.204)

(0.202)

(0.204)

Age 40-64

0.053

0.025

0.026

0.037

0.043

0.040

0.034

0.060

0.042

(0.397)

(0.397)

(0.393)

(0.398)

(0.398)

(0.398)

(0.398)

(0.394)

(0.398)

Age 30-39

0.122

0.130

0.121

0.127

0.124

0.125

0.133

0.122

0.126

(0.394)

(0.395)

(0.390)

(0.395)

(0.395)

(0.396)

(0.396)

(0.392)

(0.395)

Age 18-29

0.541

0.557

0.542

0.555

0.553

0.555

0.558

0.547

0.557

(0.371)

(0.371)

(0.368)

(0.372)

(0.372)

(0.372)

(0.372)

(0.369)

(0.372)

Education

-0.114

-0.111

-0.108

-0.114

-0.115

-0.115

-0.114

-0.116

-0.115

(0.088)

(0.089)

(0.088)

(0.089)

(0.089)

(0.089)

(0.089)

(0.088)

(0.089)

Income < 40K

-0.009

0.018

-0.006

0.012

0.008

0.010

0.013

-0.058

0.008

(0.267)

(0.267)

(0.264)

(0.268)

(0.268)

(0.267)

(0.267)

(0.267)

(0.267)

Income 40-70K

-0.322

-0.301

-0.340

-0.301

-0.307

-0.304

-0.299

-0.356

-0.303

(0.264)

(0.263)

(0.261)

(0.265)

(0.264)

(0.264)

(0.264)

(0.263)

(0.264)

Latino

-0.094

-0.087

-0.067

-0.089

-0.090

-0.091

-0.090

-0.039

-0.092

(0.202)

(0.202)

(0.200)

(0.203)

(0.203)

(0.203)

(0.203)

(0.202)

(0.203)

Contact X Disc

-0.391

0.302

-0.819**

0.050

-0.057

0.017

0.121

-0.710**

0.081

(0.374)

(0.349)

(0.324)

(0.319)

(0.333)

(0.368)

(0.347)

(0.331)

(0.363)

Constant

0.218

0.251

0.173

0.239

0.237

0.240

0.242

0.233

0.243

(0.555)

(0.555)

(0.549)

(0.555)

(0.556)

(0.556)

(0.555)

(0.551)

(0.556)

Observations

287

287

287

287

287

287

287

287

287

R2

0.279

0.278

0.293

0.276

0.276

0.276

0.277

0.289

0.276

Adjusted R2

0.216

0.215

0.232

0.213

0.213

0.213

0.213

0.226

0.213

Note:

p<0.1; ***p<0.05;*** p<0.01

Table A11: Moderation analysis: The impact of discrimination and an index of institutional contacts on participation, among those with and without linked fate

```
model1<-lm(polpart_index ~  disc2*ContactIndex + external_efficacy + pol_interest + worship_att +
  partyid+female+age18_29 + age30_39 + age40_64 + education + inc_less40k + inc_40_79k+race,
  data=filter(df,linkedfate==0 ))

model2<-lm(polpart_index ~  disc2*ContactIndex + external_efficacy + pol_interest + worship_att +
  partyid+female+age18_29 + age30_39 + age40_64 + education + inc_less40k + inc_40_79k+race,
  data=filter(df,linkedfate==1 ))


tab_labels <- c("Discrimination","Contact Index", "Political Efficacy", "Political Interest",
                "Worship Attendance","Party ID", "Female",
                "Age 40-64", "Age 30-39", "Age 18-29",
                 "Education", "Income < 40K", "Income 40-70K","Asian","Latino",
                 "Contact X Disc")
```

```
stargazer(model2,model1, type = "html",
          dep.var.labels =  "Political Participaton",
          column.labels = c("Linked Fate","No Linked Fate"),
          covariate.labels = tab_labels,
         title = "Moderation analysis: The impact of discrimination and an index of institutional conta
          out = "publication_tables2/ContactIndex.tex",
          label = "tab:ContactIndex",
          no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and an index of institutional contacts on participation, among those with and without linked fate

Dependent variable:

Political Participaton

Linked Fate

No Linked Fate

(1)

(2)

Discrimination

0.531***

0.511***

(0.067)

(0.066)

Contact Index

0.069***

0.070***

(0.008)

(0.007)

Political Efficacy

0.108***

0.058**

(0.026)

(0.026)

Political Interest

0.895***

0.538***

(0.035)

(0.032)

Worship Attendance

0.048***

0.071***

(0.016)

(0.016)

Party ID

0.089

-0.078

(0.062)

(0.060)

Female

0.020

-0.085

(0.061)

(0.061)

Age 40-64

-0.171

-0.117

(0.122)

(0.113)

Age 30-39

-0.337***

-0.357***

(0.123)

(0.112)

Age 18-29

-0.479***

-0.123

(0.117)

(0.105)

Education

0.226***

0.096***

(0.030)

(0.029)

Income < 40K

-0.534***

-0.256***

(0.080)

(0.082)

Income 40-70K

-0.153**

0.060

(0.076)

(0.077)

Asian

0.379***

0.150*

(0.075)

(0.078)

Latino

0.531***

0.110

(0.076)

(0.071)

Contact X Disc

0.028***

-0.035***

(0.010)

(0.012)

Constant

-0.946***

-0.237

(0.187)

(0.173)

Observations

5,656

3,442

R2

0.241

0.184

Adjusted R2

0.239

0.180

Note:

p<0.1; ***p<0.05;*** p<0.01

Table A12 and A13: Moderation analysis: The impact of discrimination and institutional contact on participation, among Asians and Latinos with (A12) and without (A13) a strong panethnic identity

```
model_index <-
  polpart_index ~
  contact*disc2 +
  ChildWelfare + FamilyCourt +  # contact
  Housing + Halfway +   # contact
  Jail + Bail + # contact
  Probation + Courts + Police + # contact
  external_efficacy + pol_interest + worship_att + # key control
  partyid+female+age18_29 + age30_39 + age40_64 +  # control
  education + inc_less40k + inc_40_79k +race   # controls


mod_plots_index_nolink <-
  df_tidy_full %>%
  filter(pan_id == 1, c(race=="asian" | race=="latino"),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .))

mod_plots_index_link <-
  df_tidy_full %>%
   filter(pan_id == 4, c(race=="asian" | race=="latino"),
         type %in% c("Police", "Courts",  "Probation",
                     "Bail", "Jail",  "Halfway",
                     "Housing", "FamilyCourt", "ChildWelfare")) %>%
  split(.$type) %>%
  map(~ lm(model_index, data = .))


tab_labels <- c("Contact", "Discrimination", "ChildWelfare",  "Family Court","Housing",
                "Halfway", "Jail",   "Bail", "Probation",
                "Courts", "Police", "Political Efficacy", "Political Interest",
               "Worship Attendance","Party ID", "Female",
               "Age 40-64", "Age 30-39", "Age 18-29",
                "Education", "Income < 40K", "Income 40-70K","Latino",
                "Contact X Disc")


stargazer(mod_plots_index_link, type = "html",
          dep.var.labels =  "Political Participaton",
```

```
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "ChildWelfare"),
          covariate.labels = tab_labels,
          title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_panethnic.tex",
          label = "tab:mod_int_index_panethnic",
          no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Asians and Latinos with a strong panethnic identity

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

ChildWelfare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.100

-0.002

-0.129

-0.255**

-0.080

0.014

-0.118

0.267***

-0.223

(0.154)

(0.129)

(0.113)

(0.126)

(0.144)

(0.122)

(0.157)

(0.088)

(0.152)

Discrimination

0.606***

0.644***

0.583***

0.642***

0.614***

0.609***

0.591***

0.532***

0.608***

(0.083)

(0.083)

(0.087)

(0.083)

(0.082)

(0.083)

(0.082)

(0.090)

(0.083)

ChildWelfare

0.047

0.040

0.046

0.050

0.048

0.040

0.039

0.043

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

(0.103)

Family Court

-0.204*

-0.204*

-0.198*

-0.203*

-0.211**

-0.209**

-0.194*

-0.210**

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

(0.106)

Housing

0.146

0.143

0.142

0.140

0.144

0.153

0.162

0.142

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

(0.100)

Halfway

0.060

0.068

0.068

0.068

0.072

0.080

0.075

0.068

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

(0.123)

Jail

0.137

0.139

0.136

0.138

0.139

0.141

0.112

0.140

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

(0.126)

Bail

0.062

0.072

0.063

0.052

0.063

0.068

0.068

0.059

(0.133)

(0.133)

(0.133)

(0.132)

(0.132)

(0.132)

(0.132)

(0.132)

Probation

-0.074

-0.065

-0.065

-0.067

-0.072

-0.077

-0.069

-0.068

(0.129)

(0.130)
(0.129)
(0.130)
(0.129)
(0.130)
(0.129)
(0.129)
Courts
0.023
0.018
0.018
0.018
0.015
0.024
0.016
0.021
(0.087)
(0.087)
(0.087)
(0.087)
(0.087)
(0.087)
(0.087)
(0.087)
Police
0.442***
0.440***
0.442***
0.441***
0.444***
0.447***
0.436***
0.442***
(0.065)
(0.065)
(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

(0.065)

Political Efficacy

0.067*

0.067*

0.068*

0.068*

0.067*

0.067*

0.065*

0.067*

0.067*

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

(0.036)

Political Interest

0.800***

0.799***

0.798***

0.799***

0.799***

0.800***

0.801***

0.800***

0.800***

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

(0.048)

Worship Attendance

0.005

0.006

0.005

0.006

0.006

0.006

0.005

0.007

0.006

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

(0.022)

Party ID

0.034

0.034

0.027

0.034

0.034

0.032

0.036

0.028

0.034

(0.084)
(0.084)
(0.084)
(0.084)
(0.084)
(0.084)
(0.084)
(0.084)
(0.084)
Female
-0.013
-0.009
-0.011
-0.009
-0.012
-0.011
-0.009
-0.015
-0.012
(0.088)
(0.088)
(0.088)
(0.088)
(0.088)
(0.088)
(0.088)
(0.088)
(0.088)
Age 40-64
0.199
0.191
0.195
0.190
0.192
0.195
0.198

0.200

0.195

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

Age 30-39

-0.033

-0.030

-0.036

-0.030

-0.034

-0.031

-0.038

-0.035

-0.034

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

(0.181)

Age 18-29

-0.011

-0.011

-0.014

-0.012

-0.012

-0.010

-0.008

-0.007

-0.012

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

(0.176)

Education

0.218***

0.214***

0.215***

0.214***

0.216***

0.215***

0.218***

0.213***

0.217***

(0.040)

(0.040)

(0.040)

(0.040)

(0.040)

(0.040)

(0.040)

(0.039)

(0.040)

Income $<$ 40K

-0.525***

-0.521***

-0.528***

-0.520***

-0.522***

-0.525***

-0.531***

-0.530***

-0.525***

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

(0.111)

Income 40-70K

-0.103

-0.102

-0.109

-0.102

-0.104

-0.101

-0.106

-0.101

-0.101

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

(0.104)

Latino

0.411***

0.410***

0.409***

0.410***

0.411***

0.410***

0.417***

0.403***

0.412***

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

(0.086)

Contact X Disc

0.281**

0.073

0.229**

0.085

0.258*

0.223*

0.387***

0.286***

0.263**

(0.137)

(0.124)

(0.113)

(0.125)

(0.136)

(0.123)

(0.140)

(0.097)

(0.131)

Constant

-1.077***

-1.092***

-1.046***

-1.091***

-1.074***

-1.072***

-1.068***

-1.021***

-1.076***

(0.253)

(0.253)

(0.254)

(0.253)

(0.253)

(0.254)

(0.253)

(0.254)

(0.253)

Observations

2,741

2,741

2,741

2,741

2,741

2,741

2,741

2,741

2,741

R2

0.234

0.233

0.234

0.233

0.234

0.234

0.235

0.235

0.234

Adjusted R2

0.228

0.227

0.228

0.227

0.228

0.227

0.229

0.229

0.228

Note:

p<0.1; ***p<0.05;*** p<0.01

```
stargazer(mod_plots_index_nolink, type = "html",
                    dep.var.labels =  "Political Participaton",
          column.labels = c("Bail",  "Court",  "Family",
                            "Halfway", "Housing", "Jail", "Police",
                            "Probation", "Welafare"),
          covariate.labels = tab_labels,
           title = "Moderation analysis: The impact of discrimination and institutional contact on parti
          out = "publication_tables2/mod_int_index_nopanethnic.tex",
          label = "tab:mod_int_index_nopanethnic",
        no.space=TRUE,
         font.size = "scriptsize",
         column.sep.width = "2pt",
         omit.stat = c("ser","f")
          )
```

Moderation analysis: The impact of discrimination and institutional contact on participation, among Asians and Latinos without a strong panethnic identity

Dependent variable:

Political Participaton

Bail

Court

Family

Halfway

Housing

Jail

Police

Probation

Welafare

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

Contact

-0.079

-0.156

0.705***

-0.482

1.090***

-0.022

-0.026

0.605**

-0.752*

(0.287)

(0.265)

(0.263)

(0.326)

(0.361)

(0.359)

(0.317)

(0.239)

(0.417)

Discrimination

0.484*

0.303

0.724***

0.372

0.402

0.384

0.352

0.708**

0.365

(0.251)

(0.253)

(0.267)

(0.253)

(0.248)

(0.249)

(0.256)

(0.276)

(0.255)

ChildWelfare

-0.094

-0.195

-0.076

-0.074

-0.074

-0.077

-0.106

-0.074

(0.248)

(0.250)

(0.248)

(0.248)

(0.251)

(0.248)

(0.247)

(0.248)

Family Court

-0.382

-0.503*

-0.392

-0.451

-0.462

-0.473

-0.385

-0.465

(0.302)

(0.297)

(0.291)

(0.298)

(0.297)

(0.296)

(0.293)

(0.294)

Housing

-0.050

0.056

-0.101

-0.012

-0.030

-0.020

-0.113

-0.010

(0.347)

(0.356)

(0.344)

(0.348)

(0.353)

(0.346)

(0.346)

(0.348)

Halfway

1.098***

1.020***

1.203***

1.059***

1.065***

1.062***

1.187***

1.051***

(0.330)
(0.333)
(0.330)
(0.331)
(0.329)
(0.329)
(0.331)
(0.335)
Jail
-0.043
-0.005
-0.101
0.004
-0.006
0.001
-0.108
0.007
(0.310)
(0.307)
(0.306)
(0.308)
(0.311)
(0.308)
(0.309)
(0.308)
Bail
-0.112
-0.203
-0.134
-0.142
-0.133
-0.121
-0.145
-0.124
(0.283)
(0.280)

(0.282)

(0.285)

(0.284)

(0.285)

(0.280)

(0.286)

Probation

-0.701*

-0.758*

-0.694*

-0.716*

-0.704*

-0.718*

-0.728*

-0.831**

(0.385)

(0.388)

(0.381)

(0.385)

(0.393)

(0.387)

(0.387)

(0.386)

Courts

0.382*

0.380*

0.362

0.362

0.360

0.362

0.471**

0.356

(0.229)

(0.229)

(0.228)

(0.228)

(0.228)

(0.228)

(0.232)

(0.229)

Police

0.366*

0.397*

0.413*

0.377*

0.369*

0.376*

0.387*

0.384*

(0.215)

(0.217)

(0.214)

(0.217)

(0.217)

(0.218)

(0.219)

(0.220)

Political Efficacy

-0.004

-0.016

-0.001

-0.011

-0.010

-0.011

-0.012

-0.004

-0.011

(0.077)

(0.077)

(0.076)

(0.077)

(0.077)

(0.077)

(0.077)

(0.076)

(0.077)

Political Interest

0.459***

0.474***

0.432***

0.468***

0.466***

0.467***

0.469***

0.430***

0.468***

(0.096)

(0.096)

(0.096)

(0.097)

(0.096)

(0.096)

(0.096)

(0.097)

(0.096)

Worship Attendance

0.237***

0.234***

0.233***

0.236***

0.237***

0.237***

0.236***

0.234***

0.237***

(0.063)

(0.063)

(0.063)

(0.063)
(0.063)
(0.063)
(0.063)
(0.063)
(0.063)
Party ID
-0.091
-0.110
-0.060
-0.105
-0.098
-0.101
-0.105
-0.090
-0.101
(0.208)
(0.208)
(0.206)
(0.210)
(0.209)
(0.209)
(0.209)
(0.206)
(0.208)
Female
-0.102
-0.099
-0.103
-0.102
-0.105
-0.103
-0.102
-0.128
-0.102
(0.203)

(0.203)

(0.201)

(0.204)

(0.204)

(0.204)

(0.204)

(0.202)

(0.204)

Age 40-64

0.053

0.025

0.026

0.037

0.043

0.040

0.034

0.060

0.042

(0.397)

(0.397)

(0.393)

(0.398)

(0.398)

(0.398)

(0.398)

(0.394)

(0.398)

Age 30-39

0.122

0.130

0.121

0.127

0.124

0.125

0.133

0.122

0.126

(0.394)

(0.395)

(0.390)

(0.395)

(0.395)

(0.396)

(0.396)

(0.392)

(0.395)

Age 18-29

0.541

0.557

0.542

0.555

0.553

0.555

0.558

0.547

0.557

(0.371)

(0.371)

(0.368)

(0.372)

(0.372)

(0.372)

(0.372)

(0.369)

(0.372)

Education

-0.114

-0.111

-0.108

-0.114

-0.115

-0.115

-0.114

-0.116

-0.115

(0.088)

(0.089)

(0.088)

(0.089)

(0.089)

(0.089)

(0.089)

(0.088)

(0.089)

Income < 40K

-0.009

0.018

-0.006

0.012

0.008

0.010

0.013

-0.058

0.008

(0.267)

(0.267)

(0.264)

(0.268)

(0.268)

(0.267)

(0.267)

(0.267)

(0.267)

Income 40-70K

-0.322

-0.301

-0.340

-0.301

-0.307

-0.304

-0.299

-0.356

-0.303

(0.264)

(0.263)

(0.261)

(0.265)

(0.264)

(0.264)

(0.264)

(0.263)

(0.264)

Latino

-0.094

-0.087

-0.067

-0.089

-0.090

-0.091

-0.090

-0.039

-0.092

(0.202)

(0.202)

(0.200)

(0.203)

(0.203)

(0.203)

(0.203)

(0.202)

(0.203)

Contact X Disc

-0.391

0.302

-0.819**

0.050

-0.057

0.017

0.121

-0.710**

0.081

(0.374)

(0.349)

(0.324)

(0.319)

(0.333)

(0.368)

(0.347)

(0.331)

(0.363)

Constant

0.218

0.251

0.173

0.239

0.237

0.240

0.242

0.233

0.243

(0.555)

(0.555)

(0.549)

(0.555)

(0.556)

(0.556)

(0.555)

(0.551)

(0.556)

Observations

287

287

287

287

287

287

287

287

287

R2

0.279

0.278

0.293

0.276

0.276

0.276

0.277

0.289

0.276

Adjusted R2

0.216

0.215

0.232

0.213

0.213

0.213

0.213

0.226

0.213

Note:

p<0.1; ***p<0.05;*** p<0.01