isl-replication.R

robly

2020-04-21

```
library(tidyverse)
```

```
## -- Attaching packages ---------------------------------------------------------------------------
```

```
## v ggplot2 3.3.0     v purrr   0.3.4
## v tibble  3.0.1     v dplyr   0.8.5
## v tidyr   1.0.2     v stringr 1.4.0
## v readr   1.3.1     v forcats 0.5.0
```

```
## -- Conflicts ------------------------------------------------------------------------------------
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(stargazer)
```

```
##
## Please cite as:
```

```
##  Hlavac, Marek (2018). stargazer: Well-Formatted Regression and Summary Statistics Tables.
```

```
##  R package version 5.2.2. https://CRAN.R-project.org/package=stargazer
```

```
library(goji)
```

```
##
## Attaching package: 'goji'
```

```
## The following object is masked from 'package:graphics':
##
##     stars
```

```
library(purrr)
library(GGally)
```

```
## Registered S3 method overwritten by 'GGally':
##   method from
##   +.gg   ggplot2
```

```
##
## Attaching package: 'GGally'
```

```
## The following object is masked from 'package:dplyr':
##
##     nasa
```

```
#import the CDF into a dataframe (done in multiple pipes because rowwise() seemed to be causing problem
cdfa <- read_rds("data/tidy-cdf.rds")%>%
    mutate(parties_therm_dif = zero1(parties_therm_dif))%>%
    filter(year == 1988 | year == 2004 | year == 2016)%>%
```

```
    filter(pid_3 != "Independent")%>%
    mutate(therm_in = zero1(ifelse(pid_3 == "Democrat", therm_dem, therm_rep)))%>%
    mutate(therm_out = zero1(ifelse(pid_3 == "Democrat", therm_rep, therm_dem)))%>%
    mutate(lean_dummy = ifelse(pid_str == "Leaning Independent", 1, 0))%>%
    glimpse()
```

```
## Rows: 6,525
## Columns: 46
## $ year                <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988,...
## $ pid_7               <fct> Weak Democrat, Independent - Republican, Weak R...
## $ pid_3               <fct> Democrat, Republican, Republican, Democrat, Rep...
## $ pid_str             <fct> Weak Partisan, Leaning Independent, Weak Partis...
## $ win_care_pres       <dbl> 1, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1, 2, 1, 1, 2, 2,...
## $ win_care_cong       <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ respondent_ideo     <fct> NA, NA, Somewhat Conservative, Moderate, Modera...
## $ therm_dem           <dbl> 85, 60, 0, 85, 70, 60, 5, 90, 50, 50, NA, 40, 9...
## $ therm_rep           <dbl> 70, 85, 97, 40, 60, 85, 40, 80, 50, 50, NA, 85,...
## $ activist_6cat       <dbl> 2, 1, NA, 2, 1, 2, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1...
## $ ideo_dem            <dbl> 6, NA, 2, 3, 2, NA, NA, 5, NA, 1, NA, 2, NA, NA...
## $ ideo_rep            <dbl> 3, NA, 6, 4, 6, NA, NA, 4, NA, 7, NA, 6, NA, NA...
## $ primary_vote        <dbl> 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, NA, 0, 0, 0...
## $ insurance           <dbl> 0.1666667, NA, 1.0000000, 0.3333333, 0.8333333,...
## $ jobs                <dbl> 0.1666667, NA, 0.6666667, 0.3333333, 0.5000000,...
## $ services            <dbl> 0.1666667, 0.3333333, 0.5000000, 0.6666667, 0.5...
## $ ss                  <dbl> 0.0, 0.0, 0.5, 0.0, 0.0, 0.0, 0.0, 0.5, 0.5, 0....
## $ women               <dbl> 0.1666667, 0.1666667, 0.0000000, 0.0000000, 0.5...
## $ abortion            <dbl> 1.0000000, 0.0000000, 0.0000000, 0.6666667, 0.6...
## $ gayrights           <dbl> 0.75, 1.00, NA, 0.00, 0.25, 0.75, 0.75, 0.75, 0...
## $ education           <dbl> 2, 2, 3, 4, 2, 1, 1, 1, 2, 2, 2, 3, 2, 2, 3, 4,...
## $ white               <dbl> 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,...
## $ south               <dbl> 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0,...
## $ interest            <dbl> 2, 1, 2, 2, 1, 3, 1, 2, 1, 3, 1, 3, 2, 1, 2, 3,...
## $ worship             <dbl> 1, 0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 1,...
## $ iwrpk_pre           <dbl> 0.25, 0.00, 0.75, 0.75, 0.00, 0.25, 0.00, 0.50,...
## $ iwrpk_post          <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ dis_democ           <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ know_house          <dbl> 0, 1, NA, 0, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0...
## $ know_sen            <dbl> 0, 0, NA, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...
## $ female              <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1,...
## $ no_ss               <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, NA, 0, 0...
## $ high_school         <dbl> 1, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 1, 1, 0, 0,...
## $ some_college        <dbl> 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1,...
## $ college_adv         <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,...
## $ know_cong           <dbl> 0.0, 0.5, NA, 0.0, 0.5, 0.5, 0.0, 0.5, 0.5, 0.0...
## $ strong_partisan     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0,...
## $ pid_7_num           <dbl> 2, 5, 6, 3, 6, 2, 2, 2, 3, 5, 3, 7, 1, 7, 7, 5,...
## $ pid_3_num           <dbl> 1, 3, 3, 1, 3, 1, 1, 1, 1, 3, 1, 3, 1, 3, 3, 3,...
## $ pid_str_num         <dbl> 3, 2, 3, 2, 3, 3, 3, 3, 2, 2, 2, 4, 4, 4, 4, 2,...
## $ respondent_ideo_num <dbl> NA, NA, 5, 4, 4, NA, NA, NA, NA, 3, NA, 6, NA, ...
## $ parties_therm_dif   <dbl> 0.1546392, 0.2577320, 1.0000000, 0.4639175, 0.1...
## $ parties_ideo_dif    <dbl> 3, NA, 4, 1, 4, NA, NA, 1, NA, 6, NA, 4, NA, NA...
## $ therm_in            <dbl> 0.87628866, 0.87628866, 1.00000000, 0.87628866,...
## $ therm_out           <dbl> 0.7216495, 0.6185567, 0.0000000, 0.4123711, 0.7...
## $ lean_dummy          <dbl> 0, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1,...
```

```r
#  finalfit::missing_plot(cdfa)
cdfb <- cdfa%>%
    rowwise()%>%
    mutate(cult_att = mean(c(abortion, gayrights, women),na.rm = TRUE))%>%
    glimpse()
```

```
## Rows: 6,525
## Columns: 47
## $ year                <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988,...
## $ pid_7               <fct> Weak Democrat, Independent - Republican, Weak R...
## $ pid_3               <fct> Democrat, Republican, Republican, Democrat, Rep...
## $ pid_str             <fct> Weak Partisan, Leaning Independent, Weak Partis...
## $ win_care_pres       <dbl> 1, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1, 2, 1, 1, 2, 2,...
## $ win_care_cong       <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ respondent_ideo     <fct> NA, NA, Somewhat Conservative, Moderate, Modera...
## $ therm_dem           <dbl> 85, 60, 0, 85, 70, 60, 5, 90, 50, 50, NA, 40, 9...
## $ therm_rep           <dbl> 70, 85, 97, 40, 60, 85, 40, 80, 50, 50, NA, 85,...
## $ activist_6cat       <dbl> 2, 1, NA, 2, 1, 2, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1...
## $ ideo_dem            <dbl> 6, NA, 2, 3, 2, NA, NA, 5, NA, 1, NA, 2, NA, NA...
## $ ideo_rep            <dbl> 3, NA, 6, 4, 6, NA, NA, 4, NA, 7, NA, 6, NA, NA...
## $ primary_vote        <dbl> 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, NA, 0, 0, 0...
## $ insurance           <dbl> 0.1666667, NA, 1.0000000, 0.3333333, 0.8333333,...
## $ jobs                <dbl> 0.1666667, NA, 0.6666667, 0.3333333, 0.5000000,...
## $ services            <dbl> 0.1666667, 0.3333333, 0.5000000, 0.6666667, 0.5...
## $ ss                  <dbl> 0.0, 0.0, 0.5, 0.0, 0.0, 0.0, 0.0, 0.5, 0.5, 0....
## $ women               <dbl> 0.1666667, 0.1666667, 0.0000000, 0.0000000, 0.5...
## $ abortion            <dbl> 1.0000000, 0.0000000, 0.0000000, 0.6666667, 0.6...
## $ gayrights           <dbl> 0.75, 1.00, NA, 0.00, 0.25, 0.75, 0.75, 0.75, 0...
## $ education           <dbl> 2, 2, 3, 4, 2, 1, 1, 1, 2, 2, 2, 3, 2, 2, 3, 4,...
## $ white               <dbl> 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,...
## $ south               <dbl> 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0,...
## $ interest            <dbl> 2, 1, 2, 2, 1, 3, 1, 2, 1, 3, 1, 3, 2, 1, 2, 3,...
## $ worship             <dbl> 1, 0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 1,...
## $ iwrpk_pre           <dbl> 0.25, 0.00, 0.75, 0.75, 0.00, 0.25, 0.00, 0.50,...
## $ iwrpk_post          <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ dis_democ           <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ know_house          <dbl> 0, 1, NA, 0, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0...
## $ know_sen            <dbl> 0, 0, NA, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...
## $ female              <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1,...
## $ no_ss               <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, NA, 0, 0...
## $ high_school         <dbl> 1, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 1, 1, 0, 0,...
## $ some_college        <dbl> 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0,...
## $ college_adv         <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1,...
## $ know_cong           <dbl> 0.0, 0.5, NA, 0.0, 0.5, 0.5, 0.0, 0.5, 0.5, 0.0...
## $ strong_partisan     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0,...
## $ pid_7_num           <dbl> 2, 5, 6, 3, 6, 2, 2, 2, 3, 5, 3, 7, 1, 7, 7, 5,...
## $ pid_3_num           <dbl> 1, 3, 3, 1, 3, 1, 1, 1, 1, 3, 1, 3, 1, 3, 3, 3,...
## $ pid_str_num         <dbl> 3, 2, 3, 2, 3, 3, 3, 3, 2, 2, 2, 4, 4, 4, 4, 2,...
## $ respondent_ideo_num <dbl> NA, NA, 5, 4, 4, NA, NA, NA, NA, 3, NA, 6, NA, ...
## $ parties_therm_dif   <dbl> 0.1546392, 0.2577320, 1.0000000, 0.4639175, 0.1...
## $ parties_ideo_dif    <dbl> 3, NA, 4, 1, 4, NA, NA, 1, NA, 6, NA, 4, NA, NA...
## $ therm_in            <dbl> 0.87628866, 0.87628866, 1.00000000, 0.87628866,...
## $ therm_out           <dbl> 0.7216495, 0.6185567, 0.0000000, 0.4123711, 0.7...
## $ lean_dummy          <dbl> 0, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1,...
```

```
## $ cult_att             <dbl> 0.63888889, 0.38888889, 0.00000000, 0.22222222,...
```

```
cdfc <- cdfb%>%
    rowwise()%>%
    mutate(econ_att = mean(c(ss, insurance, services, jobs), na.rm = TRUE))%>%
    glimpse()
```

```
## Rows: 6,525
## Columns: 48
## $ year                 <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988,...
## $ pid_7                <fct> Weak Democrat, Independent - Republican, Weak R...
## $ pid_3                <fct> Democrat, Republican, Republican, Democrat, Rep...
## $ pid_str              <fct> Weak Partisan, Leaning Independent, Weak Partis...
## $ win_care_pres        <dbl> 1, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1, 2, 1, 1, 2, 2,...
## $ win_care_cong        <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ respondent_ideo      <fct> NA, NA, Somewhat Conservative, Moderate, Modera...
## $ therm_dem            <dbl> 85, 60, 0, 85, 70, 60, 5, 90, 50, 50, NA, 40, 9...
## $ therm_rep            <dbl> 70, 85, 97, 40, 60, 85, 40, 80, 50, 50, NA, 85,...
## $ activist_6cat        <dbl> 2, 1, NA, 2, 1, 2, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1...
## $ ideo_dem             <dbl> 6, NA, 2, 3, 2, NA, NA, 5, NA, 1, NA, 2, NA, NA...
## $ ideo_rep             <dbl> 3, NA, 6, 4, 6, NA, NA, 4, NA, 7, NA, 6, NA, NA...
## $ primary_vote         <dbl> 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, NA, 0, 0, 0...
## $ insurance            <dbl> 0.1666667, NA, 1.0000000, 0.3333333, 0.8333333,...
## $ jobs                 <dbl> 0.1666667, NA, 0.6666667, 0.3333333, 0.5000000,...
## $ services             <dbl> 0.1666667, 0.3333333, 0.5000000, 0.6666667, 0.5...
## $ ss                   <dbl> 0.0, 0.0, 0.5, 0.0, 0.0, 0.0, 0.0, 0.5, 0.5, 0....
## $ women                <dbl> 0.1666667, 0.1666667, 0.0000000, 0.0000000, 0.5...
## $ abortion             <dbl> 1.0000000, 0.0000000, 0.0000000, 0.6666667, 0.6...
## $ gayrights            <dbl> 0.75, 1.00, NA, 0.00, 0.25, 0.75, 0.75, 0.75, 0...
## $ education            <dbl> 2, 2, 3, 4, 2, 1, 1, 1, 2, 2, 2, 3, 2, 2, 3, 4,...
## $ white                <dbl> 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,...
## $ south                <dbl> 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0,...
## $ interest             <dbl> 2, 1, 2, 2, 1, 3, 1, 2, 1, 3, 1, 3, 2, 1, 2, 3,...
## $ worship              <dbl> 1, 0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 1,...
## $ iwrpk_pre            <dbl> 0.25, 0.00, 0.75, 0.75, 0.00, 0.25, 0.00, 0.50,...
## $ iwrpk_post           <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ dis_democ            <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ know_house           <dbl> 0, 1, NA, 0, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0...
## $ know_sen             <dbl> 0, 0, NA, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...
## $ female               <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1,...
## $ no_ss                <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, NA, 0, 0...
## $ high_school          <dbl> 1, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 1, 1, 0, 0,...
## $ some_college         <dbl> 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0,...
## $ college_adv          <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1,...
## $ know_cong            <dbl> 0.0, 0.5, NA, 0.0, 0.5, 0.5, 0.0, 0.5, 0.5, 0.0...
## $ strong_partisan      <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0,...
## $ pid_7_num            <dbl> 2, 5, 6, 3, 6, 2, 2, 2, 3, 5, 3, 7, 1, 7, 7, 5,...
## $ pid_3_num            <dbl> 1, 3, 3, 1, 3, 1, 1, 1, 1, 3, 1, 3, 1, 3, 3, 3,...
## $ pid_str_num          <dbl> 3, 2, 3, 2, 3, 3, 3, 3, 2, 2, 2, 4, 4, 4, 4, 2,...
## $ respondent_ideo_num  <dbl> NA, NA, 5, 4, 4, NA, NA, NA, NA, 3, NA, 6, NA, ...
## $ parties_therm_dif    <dbl> 0.1546392, 0.2577320, 1.0000000, 0.4639175, 0.1...
## $ parties_ideo_dif     <dbl> 3, NA, 4, 1, 4, NA, NA, 1, NA, 6, NA, 4, NA, NA...
## $ therm_in             <dbl> 0.87628866, 0.87628866, 1.00000000, 0.87628866,...
## $ therm_out            <dbl> 0.7216495, 0.6185567, 0.0000000, 0.4123711, 0.7...
## $ lean_dummy           <dbl> 0, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1,...
```

```
## $ cult_att            <dbl> 0.63888889, 0.38888889, 0.00000000, 0.22222222,...
## $ econ_att            <dbl> 0.1250000, 0.1666667, 0.6666667, 0.3333333, 0.4...
```

```
cdfd <- cdfc%>%
    rowwise()%>%
    mutate(iwrpk_mean = mean(c(iwrpk_pre, iwrpk_post), na.rm = TRUE))%>%
    glimpse()
```

```
## Rows: 6,525
## Columns: 49
## $ year                <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988,...
## $ pid_7               <fct> Weak Democrat, Independent - Republican, Weak R...
## $ pid_3               <fct> Democrat, Republican, Republican, Democrat, Rep...
## $ pid_str             <fct> Weak Partisan, Leaning Independent, Weak Partis...
## $ win_care_pres       <dbl> 1, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1, 2, 1, 1, 2, 2,...
## $ win_care_cong       <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ respondent_ideo     <fct> NA, NA, Somewhat Conservative, Moderate, Modera...
## $ therm_dem           <dbl> 85, 60, 0, 85, 70, 60, 5, 90, 50, 50, NA, 40, 9...
## $ therm_rep           <dbl> 70, 85, 97, 40, 60, 85, 40, 80, 50, 50, NA, 85,...
## $ activist_6cat       <dbl> 2, 1, NA, 2, 1, 2, 1, 1, 1, 1, 2, 1, 2, 1, 2, 1...
## $ ideo_dem            <dbl> 6, NA, 2, 3, 2, NA, NA, 5, NA, 1, NA, 2, NA, NA...
## $ ideo_rep            <dbl> 3, NA, 6, 4, 6, NA, NA, 4, NA, 7, NA, 6, NA, NA...
## $ primary_vote        <dbl> 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, NA, 0, 0, 0...
## $ insurance           <dbl> 0.1666667, NA, 1.0000000, 0.3333333, 0.8333333,...
## $ jobs                <dbl> 0.1666667, NA, 0.6666667, 0.3333333, 0.5000000,...
## $ services            <dbl> 0.1666667, 0.3333333, 0.5000000, 0.6666667, 0.5...
## $ ss                  <dbl> 0.0, 0.0, 0.5, 0.0, 0.0, 0.0, 0.0, 0.5, 0.5, 0....
## $ women               <dbl> 0.1666667, 0.1666667, 0.0000000, 0.0000000, 0.5...
## $ abortion            <dbl> 1.0000000, 0.0000000, 0.0000000, 0.6666667, 0.6...
## $ gayrights           <dbl> 0.75, 1.00, NA, 0.00, 0.25, 0.75, 0.75, 0.75, 0...
## $ education           <dbl> 2, 2, 3, 4, 2, 1, 1, 1, 2, 2, 2, 3, 2, 2, 3, 4,...
## $ white               <dbl> 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,...
## $ south               <dbl> 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0,...
## $ interest            <dbl> 2, 1, 2, 2, 1, 3, 1, 2, 1, 3, 1, 3, 2, 1, 2, 3,...
## $ worship             <dbl> 1, 0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 1,...
## $ iwrpk_pre           <dbl> 0.25, 0.00, 0.75, 0.75, 0.00, 0.25, 0.00, 0.50,...
## $ iwrpk_post          <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ dis_democ           <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,...
## $ know_house          <dbl> 0, 1, NA, 0, 1, 1, 0, 1, 1, 0, 0, 0, 1, 1, 0, 0...
## $ know_sen            <dbl> 0, 0, NA, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...
## $ female              <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1,...
## $ no_ss               <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, NA, 0, 0...
## $ high_school         <dbl> 1, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 1, 1, 0, 0,...
## $ some_college        <dbl> 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0,...
## $ college_adv         <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1,...
## $ know_cong           <dbl> 0.0, 0.5, NA, 0.0, 0.5, 0.5, 0.0, 0.5, 0.5, 0.0...
## $ strong_partisan     <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0,...
## $ pid_7_num           <dbl> 2, 5, 6, 3, 6, 2, 2, 2, 3, 5, 3, 7, 1, 7, 7, 5,...
## $ pid_3_num           <dbl> 1, 3, 3, 1, 3, 1, 1, 1, 1, 3, 1, 3, 1, 3, 3, 3,...
## $ pid_str_num         <dbl> 3, 2, 3, 2, 3, 3, 3, 3, 2, 2, 2, 4, 4, 4, 4, 2,...
## $ respondent_ideo_num <dbl> NA, NA, 5, 4, 4, NA, NA, NA, NA, 3, NA, 6, NA, ...
## $ parties_therm_dif   <dbl> 0.1546392, 0.2577320, 1.0000000, 0.4639175, 0.1...
## $ parties_ideo_dif    <dbl> 3, NA, 4, 1, 4, NA, NA, 1, NA, 6, NA, 4, NA, NA...
## $ therm_in            <dbl> 0.87628866, 0.87628866, 1.00000000, 0.87628866,...
## $ therm_out           <dbl> 0.7216495, 0.6185567, 0.0000000, 0.4123711, 0.7...
```

```
## $ lean_dummy          <dbl> 0, 1, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1,...
## $ cult_att            <dbl> 0.63888889, 0.38888889, 0.00000000, 0.22222222,...
## $ econ_att            <dbl> 0.1250000, 0.1666667, 0.6666667, 0.3333333, 0.4...
## $ iwrpk_mean          <dbl> 0.25, 0.00, 0.75, 0.75, 0.00, 0.25, 0.00, 0.50,...
```

```
cdf <- cdfd%>% #trimming down the variables in the df to only those relevant for this replication
    mutate(cult_att = if_else(pid_3_num == 1, (1-cult_att), cult_att))%>%
    mutate(econ_att = if_else(pid_3_num == 1, (1-econ_att), econ_att))%>%
    select(year,
                pid_7_num,
                pid_3,
                cult_att,
                econ_att,
                strong_partisan,
                south,
                white,
                female,
                iwrpk_mean,
                high_school,
                some_college,
                college_adv,
                parties_therm_dif,
                therm_in,
                therm_out)%>%
    glimpse()
```

```
## Rows: 6,525
## Columns: 16
## $ year              <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1...
## $ pid_7_num         <dbl> 2, 5, 6, 3, 6, 2, 2, 2, 3, 5, 3, 7, 1, 7, 7, 5, 6...
## $ pid_3             <fct> Democrat, Republican, Republican, Democrat, Repub...
## $ cult_att          <dbl> 0.3611111, 0.3888889, 0.0000000, 0.7777778, 0.472...
## $ econ_att          <dbl> 0.8750000, 0.1666667, 0.6666667, 0.6666667, 0.458...
## $ strong_partisan   <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0...
## $ south             <dbl> 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0...
## $ white             <dbl> 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1...
## $ female            <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, 1...
## $ iwrpk_mean        <dbl> 0.25, 0.00, 0.75, 0.75, 0.00, 0.25, 0.00, 0.50, 0...
## $ high_school       <dbl> 1, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 1, 1, 0, 0, 1...
## $ some_college      <dbl> 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0...
## $ college_adv       <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0...
## $ parties_therm_dif <dbl> 0.1546392, 0.2577320, 1.0000000, 0.4639175, 0.103...
## $ therm_in          <dbl> 0.87628866, 0.87628866, 1.00000000, 0.87628866, 0...
## $ therm_out         <dbl> 0.7216495, 0.6185567, 0.0000000, 0.4123711, 0.721...
```

```
#finalfit::missing_plot(cdf) most missingness comes from questions that were asked only in face-to-face

#######
### Replication of original Table 3, with 2016 added
###
#######
cdf88 <- cdf%>%
    filter(year == 1988)%>%
    mutate(npa88 = parties_therm_dif)%>%
    mutate(out88 = therm_out)%>%
```

```
    glimpse()
```

```
## Rows: 1,783
## Columns: 18
## $ year              <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1...
## $ pid_7_num         <dbl> 2, 5, 6, 3, 6, 2, 2, 2, 3, 5, 3, 7, 1, 7, 7, 5, 6...
## $ pid_3             <fct> Democrat, Republican, Republican, Democrat, Repub...
## $ cult_att          <dbl> 0.3611111, 0.3888889, 0.0000000, 0.7777778, 0.472...
## $ econ_att          <dbl> 0.8750000, 0.1666667, 0.6666667, 0.6666667, 0.458...
## $ strong_partisan   <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0...
## $ south             <dbl> 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 1, 0, 0...
## $ white             <dbl> 1, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1...
## $ female            <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, 1...
## $ iwrpk_mean        <dbl> 0.25, 0.00, 0.75, 0.75, 0.00, 0.25, 0.00, 0.50, 0...
## $ high_school       <dbl> 1, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 1, 1, 0, 0, 1...
## $ some_college      <dbl> 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0...
## $ college_adv       <dbl> 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0...
## $ parties_therm_dif <dbl> 0.1546392, 0.2577320, 1.0000000, 0.4639175, 0.103...
## $ therm_in          <dbl> 0.87628866, 0.87628866, 1.00000000, 0.87628866, 0...
## $ therm_out         <dbl> 0.7216495, 0.6185567, 0.0000000, 0.4123711, 0.721...
## $ npa88             <dbl> 0.1546392, 0.2577320, 1.0000000, 0.4639175, 0.103...
## $ out88             <dbl> 0.7216495, 0.6185567, 0.0000000, 0.4123711, 0.721...
```

```
cdf04 <- cdf%>%
    filter(year == 2004)%>%
    mutate(npa04 = parties_therm_dif)%>%
    mutate(out04 = therm_out)%>%
    glimpse()
```

```
## Rows: 1,074
## Columns: 18
## $ year              <dbl> 2004, 2004, 2004, 2004, 2004, 2004, 2004, 2004, 2...
## $ pid_7_num         <dbl> 3, 7, 7, 7, 2, 3, 7, 3, 3, 3, 6, 3, 3, 3, 6, 1, 7...
## $ pid_3             <fct> Democrat, Republican, Republican, Republican, Dem...
## $ cult_att          <dbl> 0.7222222, 0.4722222, 0.7222222, 0.0000000, 1.000...
## $ econ_att          <dbl> 0.7083333, 0.5416667, 0.6666667, 0.8750000, 0.833...
## $ strong_partisan   <dbl> 0, 1, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1...
## $ south             <dbl> 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1...
## $ white             <dbl> 0, 1, 1, 1, 1, 0, 1, 1, 1, 0, 1, 1, 1, 0, 1, 0, 1...
## $ female            <dbl> 0, 1, 1, 1, 1, 0, 1, 0, 1, 0, 1, 1, 0, 1, 1, 1, 1...
## $ iwrpk_mean        <dbl> 0.500, 0.750, 0.750, 1.000, 0.875, 0.750, 1.000, ...
## $ high_school       <dbl> 0, 0, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 0, 0, 1, 0, 0...
## $ some_college      <dbl> 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 0...
## $ college_adv       <dbl> 0, 1, 0, 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 0, 1...
## $ parties_therm_dif <dbl> 0.4639175, 0.7216495, 0.5670103, 0.3092784, 0.206...
## $ therm_in          <dbl> 0.8762887, 0.8762887, 0.8762887, 0.6185567, 0.721...
## $ therm_out         <dbl> 0.4123711, 0.1546392, 0.3092784, 0.3092784, 0.515...
## $ npa04             <dbl> 0.4639175, 0.7216495, 0.5670103, 0.3092784, 0.206...
## $ out04             <dbl> 0.4123711, 0.1546392, 0.3092784, 0.3092784, 0.515...
```

```
rep88 <- cdf88%>%
    filter(pid_3 == "Republican")%>%
    glimpse()
```

```
## Rows: 829
```

```
## Columns: 18
## $ year              <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1...
## $ pid_7_num         <dbl> 5, 6, 6, 5, 7, 7, 7, 5, 6, 6, 5, 5, 5, 7, 5, 7, 5...
## $ pid_3             <fct> Republican, Republican, Republican, Republican, R...
## $ cult_att          <dbl> 0.3888889, 0.0000000, 0.4722222, 0.1666667, 0.250...
## $ econ_att          <dbl> 0.1666667, 0.6666667, 0.4583333, 0.2916667, 0.250...
## $ strong_partisan   <dbl> 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0...
## $ south             <dbl> 0, 1, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 1, 1...
## $ white             <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1...
## $ female            <dbl> 1, 0, 1, 0, 1, 1, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 0...
## $ iwrpk_mean        <dbl> 0.00, 0.75, 0.00, 1.00, 0.75, 0.00, 1.00, 0.50, 0...
## $ high_school       <dbl> 1, 0, 1, 1, 0, 1, 0, 0, 1, 1, 1, 1, 1, 0, 0, 0, 1...
## $ some_college      <dbl> 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0...
## $ college_adv       <dbl> 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0...
## $ parties_therm_dif <dbl> 0.2577320, 1.0000000, 0.1030928, 0.0000000, 0.463...
## $ therm_in          <dbl> 0.8762887, 1.0000000, 0.6185567, 0.5154639, 0.876...
## $ therm_out         <dbl> 0.6185567, 0.0000000, 0.7216495, 0.5154639, 0.412...
## $ npa88             <dbl> 0.2577320, 1.0000000, 0.1030928, 0.0000000, 0.463...
## $ out88             <dbl> 0.6185567, 0.0000000, 0.7216495, 0.5154639, 0.412...
```

```
dem88 <- cdf88%>%
    filter(pid_3 == "Democrat")%>%
    glimpse()
```

```
## Rows: 954
## Columns: 18
## $ year              <dbl> 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1988, 1...
## $ pid_7_num         <dbl> 2, 3, 2, 2, 2, 3, 3, 1, 3, 1, 2, 3, 2, 2, 1, 3, 2...
## $ pid_3             <fct> Democrat, Democrat, Democrat, Democrat, Democrat,...
## $ cult_att          <dbl> 0.3611111, 0.7777778, 0.1250000, 0.6388889, 0.305...
## $ econ_att          <dbl> 0.8750000, 0.6666667, 1.0000000, 0.6666667, 0.555...
## $ strong_partisan   <dbl> 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0...
## $ south             <dbl> 0, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 0, 1, 1, 0, 0...
## $ white             <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1...
## $ female            <dbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 1...
## $ iwrpk_mean        <dbl> 0.25, 0.75, 0.25, 0.00, 0.50, 0.25, 0.00, 0.25, 0...
## $ high_school       <dbl> 1, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 0...
## $ some_college      <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0...
## $ college_adv       <dbl> 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0...
## $ parties_therm_dif <dbl> 0.1546392, 0.4639175, 0.2577320, 0.3608247, 0.103...
## $ therm_in          <dbl> 0.87628866, 0.87628866, 0.61855670, 0.05154639, 0...
## $ therm_out         <dbl> 0.7216495, 0.4123711, 0.8762887, 0.4123711, 0.824...
## $ npa88             <dbl> 0.1546392, 0.4639175, 0.2577320, 0.3608247, 0.103...
## $ out88             <dbl> 0.7216495, 0.4123711, 0.8762887, 0.4123711, 0.824...
```

```
rep04 <- cdf04%>%
    filter(pid_3 == "Republican")%>%
    glimpse()
```

```
## Rows: 483
## Columns: 18
## $ year              <dbl> 2004, 2004, 2004, 2004, 2004, 2004, 2004, 2004, 2...
## $ pid_7_num         <dbl> 7, 7, 7, 7, 6, 6, 7, 6, 7, 5, 5, 5, 5, 6, 7, 7, 6...
## $ pid_3             <fct> Republican, Republican, Republican, Republican, R...
## $ cult_att          <dbl> 0.47222222, 0.72222222, 0.00000000, 0.33333333, 0...
```

```
## $ econ_att          <dbl> 0.5416667, 0.6666667, 0.8750000, 0.9166667, 0.333...
## $ strong_partisan   <dbl> 1, 1, 1, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 1, 1, 0...
## $ south             <dbl> 1, 1, 0, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1, 1, 1...
## $ white             <dbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1...
## $ female            <dbl> 1, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 0, 0...
## $ iwrpk_mean        <dbl> 0.750, 0.750, 1.000, 1.000, 0.125, 0.750, 0.625, ...
## $ high_school       <dbl> 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1...
## $ some_college      <dbl> 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0...
## $ college_adv       <dbl> 1, 0, 1, 1, 0, 0, 1, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0...
## $ parties_therm_dif <dbl> 0.7216495, 0.5670103, 0.3092784, 0.8453608, 0.206...
## $ therm_in          <dbl> 0.8762887, 0.8762887, 0.6185567, 1.0000000, 0.618...
## $ therm_out         <dbl> 0.1546392, 0.3092784, 0.3092784, 0.1546392, 0.412...
## $ npa04             <dbl> 0.7216495, 0.5670103, 0.3092784, 0.8453608, 0.206...
## $ out04             <dbl> 0.1546392, 0.3092784, 0.3092784, 0.1546392, 0.412...
```

```
dem04 <- cdf04%>%
    filter(pid_3 == "Democrat")%>%
    glimpse()
```

```
## Rows: 591
## Columns: 18
## $ year              <dbl> 2004, 2004, 2004, 2004, 2004, 2004, 2004, 2004, 2...
## $ pid_7_num         <dbl> 3, 2, 3, 3, 3, 3, 3, 3, 3, 1, 3, 2, 2, 1, 2, 1, 3...
## $ pid_3             <fct> Democrat, Democrat, Democrat, Democrat, Democrat,...
## $ cult_att          <dbl> 0.7222222, 1.0000000, 1.0000000, 0.7777778, 0.694...
## $ econ_att          <dbl> 0.7083333, 0.8333333, 0.5833333, 0.7500000, 0.750...
## $ strong_partisan   <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0, 1, 0...
## $ south             <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0, 1, 1...
## $ white             <dbl> 0, 1, 0, 1, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 0, 0...
## $ female            <dbl> 0, 1, 0, 0, 1, 0, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 0...
## $ iwrpk_mean        <dbl> 0.500, 0.875, 0.750, 0.375, 0.375, 0.500, 1.000, ...
## $ high_school       <dbl> 0, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 1, 1...
## $ some_college      <dbl> 1, 1, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 0...
## $ college_adv       <dbl> 0, 0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0...
## $ parties_therm_dif <dbl> 0.4639175, 0.2061856, 0.2061856, 0.2577320, 0.000...
## $ therm_in          <dbl> 0.8762887, 0.7216495, 0.5154639, 0.8762887, 0.618...
## $ therm_out         <dbl> 0.4123711, 0.5154639, 0.3092784, 0.6185567, 0.618...
## $ npa04             <dbl> 0.4639175, 0.2061856, 0.2061856, 0.2577320, 0.000...
## $ out04             <dbl> 0.4123711, 0.5154639, 0.3092784, 0.6185567, 0.618...
```

```
cdf16<- cdf%>%
    filter(year == 2016)%>%
    mutate(npa16 = parties_therm_dif)%>%
    mutate(out16 = therm_out)%>%
    glimpse()
```

```
## Rows: 3,668
## Columns: 18
## $ year              <dbl> 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2...
## $ pid_7_num         <dbl> 7, 6, 3, 5, 3, 5, 1, 5, 3, 5, 3, 5, 2, 1, 1, 1, 7...
## $ pid_3             <fct> Republican, Republican, Democrat, Republican, Dem...
## $ cult_att          <dbl> 0.8333333, 0.0000000, 0.6666667, 0.1666667, 0.500...
## $ econ_att          <dbl> 0.61111111, 0.37500000, 0.38888889, 0.54166667, 0...
## $ strong_partisan   <dbl> 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1...
## $ south             <dbl> 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0...
```

```
## $ white             <dbl> 1, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 1, 1, 1, 0, 1...
## $ female            <dbl> 0, 0, 0, 0, 1, 0, 0, 0, 1, 1, 1, 0, 0, 1, 0, 0, 0...
## $ iwrpk_mean        <dbl> 0.375, 0.875, 0.500, 0.875, 0.500, 1.000, 0.625, ...
## $ high_school       <dbl> 1, 0, 1, 1, 1, 0, 1, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0...
## $ some_college      <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 0, 0, 0, 0...
## $ college_adv       <dbl> 0, 1, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 1...
## $ parties_therm_dif <dbl> 0.7216495, 0.7216495, 0.0000000, 0.4123711, 0.309...
## $ therm_in          <dbl> 0.7216495, 0.8762887, 0.5154639, 0.7216495, 0.721...
## $ therm_out         <dbl> 0.0000000, 0.1546392, 0.5154639, 0.3092784, 0.412...
## $ npa16             <dbl> 0.7216495, 0.7216495, 0.0000000, 0.4123711, 0.309...
## $ out16             <dbl> 0.0000000, 0.1546392, 0.5154639, 0.3092784, 0.412...
```

```
rep16 <- cdf16%>%
    filter(pid_3 == "Republican")%>%
    glimpse()
```

```
## Rows: 1,729
## Columns: 18
## $ year              <dbl> 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2...
## $ pid_7_num         <dbl> 7, 6, 5, 5, 5, 5, 5, 7, 6, 6, 6, 5, 5, 5, 5, 7, 7...
## $ pid_3             <fct> Republican, Republican, Republican, Republican, R...
## $ cult_att          <dbl> 0.8333333, 0.0000000, 0.1666667, 0.3333333, 0.166...
## $ econ_att          <dbl> 0.61111111, 0.37500000, 0.54166667, 0.75000000, 0...
## $ strong_partisan   <dbl> 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 1...
## $ south             <dbl> 1, 1, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0...
## $ white             <dbl> 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 1, 1...
## $ female            <dbl> 0, 0, 0, 0, 0, 1, 0, 0, 1, 1, 1, 1, 1, 0, 0, 0, 1...
## $ iwrpk_mean        <dbl> 0.375, 0.875, 0.875, 1.000, 0.875, 0.250, 0.875, ...
## $ high_school       <dbl> 1, 0, 1, 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 1, 1, 0, 0...
## $ some_college      <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 0, 0, 0, 0, 1...
## $ college_adv       <dbl> 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0...
## $ parties_therm_dif <dbl> 0.7216495, 0.7216495, 0.4123711, 0.1546392, 0.463...
## $ therm_in          <dbl> 0.7216495, 0.8762887, 0.7216495, 0.3092784, 0.618...
## $ therm_out         <dbl> 0.0000000, 0.1546392, 0.3092784, 0.1546392, 0.154...
## $ npa16             <dbl> 0.7216495, 0.7216495, 0.4123711, 0.1546392, 0.463...
## $ out16             <dbl> 0.0000000, 0.1546392, 0.3092784, 0.1546392, 0.154...
```

```
dem16 <- cdf16%>%
    filter(pid_3 == "Democrat")%>%
    glimpse()
```

```
## Rows: 1,939
## Columns: 18
## $ year              <dbl> 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2...
## $ pid_7_num         <dbl> 3, 3, 1, 3, 3, 2, 1, 1, 1, 1, 3, 2, 2, 3, 3, 2, 1...
## $ pid_3             <fct> Democrat, Democrat, Democrat, Democrat, Democrat,...
## $ cult_att          <dbl> 0.6666667, 0.5000000, 1.0000000, 1.0000000, 0.708...
## $ econ_att          <dbl> 0.3888889, 0.5000000, 0.7916667, 0.5833333, 0.944...
## $ strong_partisan   <dbl> 0, 0, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1...
## $ south             <dbl> 1, 0, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0...
## $ white             <dbl> 1, 1, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 0, 0, 0...
## $ female            <dbl> 0, 1, 0, 1, 1, 0, 1, 0, 0, 1, 0, 1, 0, 1, 0, 1, 1...
## $ iwrpk_mean        <dbl> 0.500, 0.500, 0.625, 0.625, 1.000, 1.000, 0.750, ...
## $ high_school       <dbl> 1, 1, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0...
## $ some_college      <dbl> 0, 0, 0, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0...
```

```
## $ college_adv       <dbl> 0, 0, 0, 0, 0, 0, 1, 0, 1, 1, 1, 1, 1, 0, 0, 0, 1...
## $ parties_therm_dif <dbl> 0.0000000, 0.3092784, 0.7216495, 0.0000000, 0.567...
## $ therm_in          <dbl> 0.5154639, 0.7216495, 0.8762887, 0.5154639, 0.876...
## $ therm_out         <dbl> 0.5154639, 0.4123711, 0.1546392, 0.5154639, 0.309...
## $ npa16             <dbl> 0.0000000, 0.3092784, 0.7216495, 0.0000000, 0.567...
## $ out16             <dbl> 0.5154639, 0.4123711, 0.1546392, 0.5154639, 0.309...
```

```
##
# LMs for ISL table 3


rep88_repl_2016 <- lm(npa88 ~ cult_att + econ_att + strong_partisan +
                                          south + white + female +
                                          iwrpk_mean +
                                          high_school + some_college + college_adv, data = rep88)

dem88_repl_2016 <- lm(npa88 ~ cult_att + econ_att + strong_partisan + iwrpk_mean +
                                          female + south + white +
                                          high_school + some_college + college_adv, data = dem88)

rep04_repl_2016 <- lm(npa04 ~ cult_att + econ_att + strong_partisan +
                                          south + white +  female +
                                          iwrpk_mean +
                                          high_school + some_college + college_adv, data = rep04)
dem04_repl_2016 <- lm(npa04 ~ cult_att + econ_att + strong_partisan +
                                          south + white + female +
                                          iwrpk_mean +
                                          high_school + some_college + college_adv, data = dem04)

rep16_repl_2016 <- lm(npa16 ~ cult_att + econ_att + strong_partisan +
                                          south + white + female +
                                          iwrpk_mean +
                                          high_school + some_college + college_adv, data = rep16)

dem16_repl_2016 <- lm(npa16 ~ cult_att + econ_att + strong_partisan +
                                          south + white + female +
                                          iwrpk_mean +
                                          high_school + some_college + college_adv, data = dem16)

repl_2016_model = stargazer(dem88_repl_2016, rep88_repl_2016, dem04_repl_2016, rep04_repl_2016, dem16_r
                                              table.placement = "H",
                                              title = "Original Models (Extended to 2016)",
                                              dep.var.labels = c("1988", "2004", "2016"),
                                              column.labels = c("Dems", "Reps", "Dems", "Reps", "Dems
                                              covariate.labels = c("Cultural Attitudes", "Economic At
                                                                   "Political Kno
                                                                   "Gender: Femal
                                                                   "High School",
                                              column.sep.width = "-10pt",
                                              dep.var.caption = "Covariates of Net Partisan Affect",
                                              omit.stat=c("f", "ser", "rsq"),
                                              digits = 2
)
```

```
##
```

```
## % Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harva
## % Date and time: Tue, Apr 21, 2020 - 12:51:05 PM
## % Requires LaTeX packages: dcolumn
## \begin{table}[H] \centering
##   \caption{Original Models (Extended to 2016)}
##   \label{}
## \begin{tabular}{@{\extracolsep{-10pt}}lD{.}{.}{-2} D{.}{.}{-2} D{.}{.}{-2} D{.}{.}{-2} D{.}{.}{-2} D{.}{.}{-2} D
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{6}{c}{Covariates of Net Partisan Affect} \\
## \cline{2-7}
## \\[-1.8ex] & \multicolumn{2}{c}{1988} & \multicolumn{2}{c}{2004} & \multicolumn{2}{c}{2016} \\
##  & \multicolumn{1}{c}{Dems} & \multicolumn{1}{c}{Reps} & \multicolumn{1}{c}{Dems} & \multicolumn{1}{c
## \\[-1.8ex] & \multicolumn{1}{c}{(1)} & \multicolumn{1}{c}{(2)} & \multicolumn{1}{c}{(3)} & \multicolu
## \hline \\[-1.8ex]
##  Cultural Attitudes & -0.05 & 0.04 & 0.05 & 0.04 & 0.04 & 0.07^{*} \\
##   & (0.04) & (0.03) & (0.05) & (0.04) & (0.05) & (0.04) \\
##   & & & & & & \\
##  Economic Attitudes & 0.16^{***} & 0.18^{***} & 0.15^{**} & 0.18^{***} & 0.38^{***} & 0.08 \\
##   & (0.05) & (0.05) & (0.06) & (0.06) & (0.07) & (0.06) \\
##   & & & & & & \\
##  Strong Partisan & 0.19^{***} & 0.18^{***} & 0.27^{***} & 0.24^{***} & 0.20^{***} & 0.28^{***} \\
##   & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) \\
##   & & & & & & \\
##  Political Knowledge & 0.06 & 0.05 & 0.09^{*} & 0.11^{*} & 0.05 & 0.10^{*} \\
##   & (0.04) & (0.04) & (0.05) & (0.06) & (0.05) & (0.05) \\
##   & & & & & & \\
##  Gender: Female & 0.01 & -0.01 & 0.04 & 0.01 & 0.02 & 0.04 \\
##   & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) \\
##   & & & & & & \\
##  Region: South & -0.04^{*} & 0.06^{***} & 0.04^{*} & 0.05^{**} & -0.03 & 0.02 \\
##   & (0.02) & (0.02) & (0.02) & (0.02) & (0.03) & (0.02) \\
##   & & & & & & \\
##  Race: White & -0.04^{**} & -0.001 & 0.003 & 0.02 & -0.04^{*} & -0.02 \\
##   & (0.02) & (0.03) & (0.02) & (0.03) & (0.02) & (0.03) \\
##   & & & & & & \\
##  High School & -0.05 & -0.01 & -0.17^{**} & 0.06 & -0.02 & 0.18 \\
##   & (0.03) & (0.04) & (0.07) & (0.09) & (0.07) & (0.17) \\
##   & & & & & & \\
##  Some College & -0.04 & -0.01 & -0.16^{**} & 0.04 & 0.08 & 0.15 \\
##   & (0.04) & (0.04) & (0.07) & (0.09) & (0.07) & (0.17) \\
##   & & & & & & \\
##  College/Adv. Degree & -0.03 & -0.02 & -0.16^{**} & 0.02 & 0.07 & 0.12 \\
##   & (0.04) & (0.04) & (0.07) & (0.09) & (0.07) & (0.17) \\
##   & & & & & & \\
##  Constant & 0.24^{***} & 0.13^{**} & 0.21^{**} & 0.01 & -0.04 & -0.05 \\
##   & (0.06) & (0.05) & (0.09) & (0.09) & (0.08) & (0.17) \\
##   & & & & & & \\
## \hline \\[-1.8ex]
## Observations & \multicolumn{1}{c}{891} & \multicolumn{1}{c}{778} & \multicolumn{1}{c}{556} & \multic
## Adjusted R$^{2}$ & \multicolumn{1}{c}{0.14} & \multicolumn{1}{c}{0.16} & \multicolumn{1}{c}{0.25} & 
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{6}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
```

```
## \end{tabular}
## \end{table}
```

```
cat(repl_2016_model, sep = '\n', file = 'fig/repl_2016_model.tex') #save stargazer output



####
## Extension - "Outparty FT" as dv, adding in-party as iv
##
####



rep88_ext_1 <- lm(out88 ~ cult_att + econ_att + therm_in +
                                        south + white + female +
                                        iwrpk_mean +
                                        high_school + some_college + college_adv, data = rep88)

dem88_ext_1 <- lm(out88 ~ cult_att + econ_att + therm_in  + iwrpk_mean +
                                        female + south + white +
                                        high_school + some_college + college_adv, data = dem88)

rep04_ext_1 <- lm(out04 ~ cult_att + econ_att + therm_in +
                                        south + white +  female +
                                        iwrpk_mean +
                                        high_school + some_college + college_adv, data = rep04)
dem04_ext_1 <- lm(out04 ~ cult_att + econ_att + therm_in +
                                        south + white + female +
                                        iwrpk_mean +
                                        high_school + some_college + college_adv, data = dem04)

rep16_ext_1 <- lm(out16 ~ cult_att + econ_att + therm_in +
                                        south + white + female +
                                        iwrpk_mean +
                                        high_school + some_college + college_adv, data = rep16)

dem16_ext_1 <- lm(out16 ~ cult_att + econ_att + therm_in +
                                        south + white + female +
                                        iwrpk_mean +
                                        high_school + some_college + college_adv, data = dem16)

ext_1_model = stargazer(dem88_ext_1, rep88_ext_1, dem04_ext_1, rep04_ext_1, dem16_ext_1, rep16_ext_1, al
                                            table.placement = "H",
                                            title = "Original Models Using Outparty Affect as DV",
                                            dep.var.labels = c("1988", "2004", "2016"),
                                            column.labels = c("Dems", "Reps", "Dems", "Reps", "Dems", "
                                            covariate.labels = c("Cultural Attitudes", "Economic Attitu
                                                                 "In-Party Warmth",
                                                                 "Gender: Female",
                                                                 "High School", "So
                                            column.sep.width = "-10pt",
                                            dep.var.caption = "Covariates of Out Party Affect",
                                            omit.stat=c("f", "ser", "rsq"),
```

```
                                          digits = 2
)
```

```
##
## % Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harva
## % Date and time: Tue, Apr 21, 2020 - 12:51:06 PM
## % Requires LaTeX packages: dcolumn
## \begin{table}[H] \centering
##   \caption{Original Models Using Outparty Affect as DV}
##   \label{}
## \begin{tabular}{@{\extracolsep{-10pt}}lD{.}{.}{-2} D{.}{.}{-2} D{.}{.}{-2} D{.}{.}{-2} D{.}{.}{-2} D
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{6}{c}{Covariates of Out Party Affect} \\
## \cline{2-7}
## \\[-1.8ex] & \multicolumn{2}{c}{1988} & \multicolumn{2}{c}{2004} & \multicolumn{2}{c}{2016} \\
##  & \multicolumn{1}{c}{Dems} & \multicolumn{1}{c}{Reps} & \multicolumn{1}{c}{Dems} & \multicolumn{1}{c
## \\[-1.8ex] & \multicolumn{1}{c}{(1)} & \multicolumn{1}{c}{(2)} & \multicolumn{1}{c}{(3)} & \multicolu
## \hline \\[-1.8ex]
##  Cultural Attitudes & 0.01 & -0.07^{**} & -0.11^{**} & -0.05 & -0.09^{**} & -0.11^{***} \\
##   & (0.03) & (0.03) & (0.05) & (0.04) & (0.04) & (0.03) \\
##   & & & & & & \\
##  Economic Attitudes & -0.19^{***} & -0.19^{***} & -0.21^{***} & -0.27^{***} & -0.30^{***} & -0.29^{*
##   & (0.04) & (0.04) & (0.05) & (0.05) & (0.06) & (0.05) \\
##   & & & & & & \\
##  In-Party Warmth & -0.19^{***} & -0.10^{**} & -0.18^{***} & -0.24^{***} & -0.10^{**} & -0.06 \\
##   & (0.05) & (0.04) & (0.06) & (0.05) & (0.05) & (0.04) \\
##   & & & & & & \\
##  Political Knowledge & -0.001 & -0.03 & -0.16^{***} & -0.04 & -0.12^{***} & -0.20^{***} \\
##   & (0.03) & (0.03) & (0.04) & (0.04) & (0.04) & (0.04) \\
##   & & & & & & \\
##  Gender: Female & 0.01 & -0.01 & -0.03 & -0.02 & 0.001 & -0.02 \\
##   & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) \\
##   & & & & & & \\
##  Region: South & 0.04^{**} & -0.04^{**} & -0.002 & 0.02 & 0.05^{**} & -0.01 \\
##   & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) & (0.02) \\
##   & & & & & & \\
##  Race: White & -0.01 & -0.03 & -0.05^{**} & -0.02 & 0.01 & -0.06^{**} \\
##   & (0.02) & (0.03) & (0.02) & (0.03) & (0.02) & (0.02) \\
##   & & & & & & \\
##  High School & 0.002 & -0.04 & 0.13^{**} & -0.14^{**} & -0.02 & 0.01 \\
##   & (0.03) & (0.03) & (0.06) & (0.07) & (0.06) & (0.14) \\
##   & & & & & & \\
##  Some College & -0.01 & -0.06^{*} & 0.10 & -0.12^{*} & -0.08 & 0.04 \\
##   & (0.03) & (0.04) & (0.06) & (0.07) & (0.06) & (0.14) \\
##   & & & & & & \\
##  College/Adv. Degree & -0.03 & -0.07^{*} & 0.07 & -0.13^{*} & -0.11^{*} & 0.05 \\
##   & (0.03) & (0.04) & (0.06) & (0.07) & (0.06) & (0.14) \\
##   & & & & & & \\
##  Constant & 0.73^{***} & 0.78^{***} & 0.80^{***} & 0.93^{***} & 0.82^{***} & 0.70^{***} \\
##   & (0.06) & (0.05) & (0.09) & (0.08) & (0.08) & (0.14) \\
##   & & & & & & \\
## \hline \\[-1.8ex]
## Observations & \multicolumn{1}{c}{891} & \multicolumn{1}{c}{778} & \multicolumn{1}{c}{556} & \multic
```

```
## Adjusted R$^{2}$ & \multicolumn{1}{c}{0.05} & \multicolumn{1}{c}{0.07} & \multicolumn{1}{c}{0.12} & 
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{6}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
## \end{tabular}
## \end{table}
```

```
cat(ext_1_model, sep = '\n', file = 'fig/ext-1-model.tex')

# #########
# GRAVEYARD OF
# DEPRECATED CODE
# #############

# rep16_ext_3 <- lm(out16 ~ cult_att + econ_att + strong_partisan + therm_in +
#                                      south + white + female +
#                                      iwrpk_mean +
#                                      high_school + some_college + college_adv, data = rep16)
#
# dem16_ext_3 <- lm(out16 ~ cult_att + econ_att + strong_partisan + therm_in +
#                                      south + white + female +
#                                      iwrpk_mean +
#                                      high_school + some_college + college_adv, data = dem16)
#
# ext_3_model = stargazer(dem04_ext_3, rep04_ext_3, dem16_ext_3, rep16_ext_3, align = TRUE, no.space = 
#                                              table.placement = "H",
#                                              title = "Extending ISL's Models",
#                                              dep.var.labels = c("2004", "2016"),
#                                              column.labels = c("Democrats", "Republicans", "Democrat
#                                              covariate.labels = c("Cultural Attitudes", "Economic At
#                                                                                         "Political Kno
#                                                                                         "Gender: Femal
#                                                                                         "High School",
#                                              column.sep.width = "-5pt",
#                                              dep.var.caption = "Covariates of Outparty Affect",
#                                              omit.stat=c("ser", "rsq"),
#                                              digits = 2
# )
# cat(ext_3_model, sep = '\n', file = 'fig/ext-3-model.tex')
# ME plots

#interplot::interplot(dem16_ext_2, var1 = econ_att, var2 = therm_in, hist = TRUE)

#
# ##
# rep88_model <- lm(npa88 ~ cult_att + econ_att + strong_partisan +
#                                      south + white + female +
#                                      iwrpk_mean +
#                                      high_school + some_college + college_adv, data = rep88)
#
# dem88_model <- lm(npa88 ~ cult_att + econ_att + strong_partisan + iwrpk_mean +
#                                      female + south + white +
#                                      high_school + some_college + college_adv, data = dem88)
#
```

```
# rep04_model <- lm(npa04 ~ cult_att + econ_att + strong_partisan +
#                                      south + white +  female +
#                                      iwrpk_mean +
#                                      high_school + some_college + college_adv, data = rep04)
# dem04_model <- lm(npa04 ~ cult_att + econ_att + strong_partisan +
#                                      south + white + female +
#                                      iwrpk_mean +
#                                      high_school + some_college + college_adv, data = dem04)
#
# #making the table
# isl_model = stargazer(dem88_model, rep88_model, dem04_model, rep04_model, align = TRUE, no.space = FA
#                                          table.placement = "H",
#                                          title = "Replicating ISL's Models",
#                                          dep.var.labels = c("1988", "2004"),
#                                          column.labels = c("Democrats", "Republicans", "Democrats",
#                                          covariate.labels = c("Cultural Attitudes", "Economic Attitu
#                                                               "Gender: Female",
#                                                               "High School", "So
#                                          column.sep.width = "-5pt",
#                                          dep.var.caption = "Covariates of Net Partisan Affect",
#                                          omit.stat=c("f", "rsq", "ser"),
#                                          digits = 2
#                                          )
# cat(isl_model, sep = '\n', file = 'fig/isl-model.tex')
```