

# Simple Evidence of Strategic Voting

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## Setup

### Load Libraries

```
box::use(  
  haven = haven[read_dta, write_dta],  
  dplyr = dplyr[filter, mutate, case_when],  
  magrittr = magrittr[...],  
  ggplot2 = ggplot2[ggplot, geom_line, geom_bar, aes],  
  ggeffects = ggeffects[ggpredict],  
  stargazer = stargazer[stargazer]  
)
```

### Working Directory

```
here::here()
```

```
## [1] "C:/Users/damon/Dropbox/viability-and-race"
```

### Load Data

```
nes84 = read_dta("C:/Users/damon/Dropbox/viability-and-race/Data/anes_1984_1988/nes_1984_updated_2021-01-01.dta")  
nes88 = read_dta("C:/Users/damon/Dropbox/viability-and-race/Data/anes_1984_1988/nes_1988_updated_2021-01-01.dta")  
annen = read.csv("C:/Users/damon/Dropbox/viability-and-race/Data/annenberg_2008_wave2/annenberg_2008_updated_2021-01-01.csv")  
abc19 = read_dta("C:/Users/damon/Dropbox/viability-and-race/Data/2019_abc_poll/2019_abc_poll_updated_2021-01-01.dta")
```

### Construct DV

- DV is conditional. It is the feeling thermometer score for the candidate they voted for. So DV = ftBiden if candSupport == Biden

```

# 1984 ----
nes84 = nes84 %>%
  mutate(candFT = case_when(glennSupport == 1 ~ glennFT,
                             hartSupport == 1 ~ hartFT,
                             jacksonSupport == 1 ~ jacksonFT,
                             mcgovernSupport == 1 ~ mcgovernFT,
                             mondaleSupport == 1 ~ mondaleFT))

# 1988 ----
nes88 = nes88 %>%
  mutate(candFT = case_when(dukakisSupport == 1 ~ dukakisFT,
                             jacksonSupport == 1 ~ jacksonFT))

# 2008 ----
annen = annen %>%
  mutate(candFT = case_when(clintonSupport == 1 ~ clintonFT,
                             obamaSupport == 1 ~ obamaFT))

# 2019 ----
abc19 = abc19 %>%
  mutate(candFT = case_when(bidenSupport == 1 ~ bidenFT,
                             sandersSupport == 1 ~ sandersFT,
                             warrenSupport == 1 ~ warrenFT,
                             harrisSupport == 1 ~ harrisFT,
                             buttigiegSupport == 1 ~ buttigiegFT))

```

## Save Data with new DV

```

write_dta(nes84, "C:/Users/damon/Dropbox/viability-and-race/Data/anes_1984_1988/nes_1984_updated_dv_202
write_dta(nes88, "C:/Users/damon/Dropbox/viability-and-race/Data/anes_1984_1988/nes_1988_updated_dv_202
write_dta(nes84, "C:/Users/damon/Dropbox/viability-and-race/Data/annenbergs_2008_wave2/annenbergs_2008_up
write_dta(nes84, "C:/Users/damon/Dropbox/viability-and-race/Data/2019_abc_poll/2019_abc_poll_updated_dv

```

## Modeling

### Including Babbitt and Edwards (for comparability)

```

# 1984 ----
lm84 = lm(candFT ~ black + pid + ideo + age + female + glennSupport + hartSupport + jacksonSupport + mc

# 1988 ----
lm88 = lm(candFT ~ black + pid + ideo + age + female + dukakisSupport + babbittSupport + jacksonSupport

# 2008 ----
lm08 = lm(candFT ~ black + pid + ideo + age + female + clintonSupport + edwardsSupport + obamaSupport,

# 2019 ----
lm19 = lm(candFT ~ black + pid + ideo + age + female + bidenSupport + sandersSupport + warrenSupport + l

```

```
table1 = stargazer(lm84,
                  lm88,
                  type = "latex",
                  style = "apsr",
                  column.labels = c(
                    "1984", "1988"
                  ),
                  model.numbers = FALSE)
```

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu  
 % Date and time: Mon, May 24, 2021 - 8:19:13 AM

Table 1:

	candFT	
	1984	1988
black	6.520*** (1.341)	6.840** (2.687)
pid	-2.840*** (0.203)	-3.410*** (0.888)
ideo	-1.830*** (0.348)	-1.396 (1.005)
age	0.126*** (0.021)	0.819 (0.528)
female	1.104 (0.754)	5.135** (2.104)
glennSupport	5.012*** (1.331)	
hartSupport	2.788*** (0.907)	
dukakisSupport		-16.670*** (2.409)
babbittSupport		
jacksonSupport	6.476*** (1.517)	
mcgovernSupport	-0.224 (2.087)	
mondaleSupport		
Constant	64.995*** (1.261)	70.769*** (3.460)
N	1,805	281
R <sup>2</sup>	0.206	0.332
Adjusted R <sup>2</sup>	0.202	0.318
Residual Std. Error	15.735 (df = 1795)	17.095 (df = 274)
F Statistic	51.883*** (df = 9; 1795)	22.717*** (df = 6; 274)

\*p < .1; \*\*p < .05; \*\*\*p < .01

```
table2 = stargazer(lm08,
                  lm19,
```

```

type = "latex",
style = "apsr",
column.labels = c(
  "2008", "2019"
),
model.numbers = FALSE)

```

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu  
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Table 2:		
	candFT	
	2008	2019
black	7.562*** (0.624)	0.019 (0.059)
pid	-5.944*** (0.266)	-0.178*** (0.048)
ideo	-2.403*** (0.183)	-0.017 (0.026)
age	0.028* (0.014)	-0.002 (0.001)
female	1.897*** (0.433)	0.037 (0.045)
clintonSupport	-1.234*** (0.439)	
edwardsSupport		
obamaSupport		
bidenSupport		0.214** (0.094)
sandersSupport		0.161 (0.101)
warrenSupport		0.224** (0.096)
harrisSupport		0.179 (0.113)
buttigiegSupport		
Constant	59.077*** (0.923)	3.407*** (0.134)
N	6,760	303
R <sup>2</sup>	0.152	0.077
Adjusted R <sup>2</sup>	0.151	0.049
Residual Std. Error	17.320 (df = 6753)	0.379 (df = 293)
F Statistic	201.000*** (df = 6; 6753)	2.731*** (df = 9; 293)

\*p < .1; \*\*p < .05; \*\*\*p < .01

## Excluding candidate support dummies (Edwards and Babbitt)

```
# 1984 ----
lm84 = lm(candFT ~ black + pid + ideo + age + female + glennSupport + hartSupport + jacksonSupport + mc
# 1988 ----
lm88 = lm(candFT ~ black + pid + ideo + age + female + dukakisSupport + jacksonSupport, data = nes88)
# 2008 ----
lm08 = lm(candFT ~ black + pid + ideo + age + female + clintonSupport + obamaSupport, data = annen)
# 2019 ----
lm19 = lm(candFT ~ black + pid + ideo + age + female + bidenSupport + sandersSupport + warrenSupport + l

table1 = stargazer(lm84,
                  lm88,
                  type = "latex",
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```

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% Date and time: Mon, May 24, 2021 - 8:19:14 AM

Table 3:

	candFT	
	1984	1988
black	6.520*** (1.341)	6.840** (2.687)
pid	-2.840*** (0.203)	-3.410*** (0.888)
ideo	-1.830*** (0.348)	-1.396 (1.005)
age	0.126*** (0.021)	0.819 (0.528)
female	1.104 (0.754)	5.135** (2.104)
glennSupport	5.012*** (1.331)	
hartSupport	2.788*** (0.907)	
dukakisSupport		-16.670*** (2.409)
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mondaleSupport		
Constant	64.995*** (1.261)	70.769*** (3.460)
N	1,805	281
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Residual Std. Error	15.735 (df = 1795)	17.095 (df = 274)
F Statistic	51.883*** (df = 9; 1795)	22.717*** (df = 6; 274)

\*p < .1; \*\*p < .05; \*\*\*p < .01

Table 4:

	candFT	
	2008	2019
black	7.562*** (0.624)	0.019 (0.059)
pid	-5.944*** (0.266)	-0.178*** (0.048)
ideo	-2.403*** (0.183)	-0.017 (0.026)
age	0.028* (0.014)	-0.002 (0.001)
female	1.897*** (0.433)	0.037 (0.045)
clintonSupport	-1.234*** (0.439)	
obamaSupport		
bidenSupport		0.214** (0.094)
sandersSupport		0.161 (0.101)
warrenSupport		0.224** (0.096)
harrisSupport		0.179 (0.113)
buttigiegSupport		
Constant	59.077*** (0.923)	3.407*** (0.134)
N	6,760	303
R <sup>2</sup>	0.152	0.077
Adjusted R <sup>2</sup>	0.151	0.049
Residual Std. Error	17.320 (df = 6753)	0.379 (df = 293)
F Statistic	201.000*** (df = 6; 6753)	2.731*** (df = 9; 293)

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