1st-year-survey

Preetha

12/7/2020

Load Packages

```
library(tidyverse)
## -- Attaching packages
## v tibble 3.0.3
                      v purrr
                               0.3.4
## v tidyr
            1.1.1
                      v dplyr
                               1.0.1
            1.3.1
                      v forcats 0.5.0
## v readr
## -- Conflicts -----
## x lubridate::as.difftime() masks base::as.difftime()
## x lubridate::date()
                           masks base::date()
## x lubridate::intersect() masks base::intersect()
## x dplyr::lag()
                           masks stats::lag()
                          masks rvest::pluck()
## x purrr::pluck()
## x lubridate::setdiff()
                            masks base::setdiff()
## x lubridate::union()
                            masks base::union()
Load Data
first <- readr::read_csv('data/survey.csv')</pre>
## Parsed with column specification:
## cols(
##
     .default = col_character(),
##
     `How many in-person classes are you in this semester?` = col_double(),
    `How many of your FOCUS classes are in-person (not including the FOCUS "dinner")?` = col_double(),
    `What was your high school GPA (scaled on a 0 to 4.00 scale)?` = col_double(),
##
    `What was your SAT combined score?` = col_double(),
    `What was your ACT composite score?` = col_double(),
##
    `How many colleges and universities did you apply to?` = col_double(),
##
    'How many colleges and universities were you accepted to?' = col_double()
## See spec(...) for full column specifications.
Data Cleaning
```

```
newfirst <- first %>%
  mutate(college = `Are you enrolled in Trinity College of Arts and Sciences or the Pratt School of Eng
```

```
hispanic = `Are you of Hispanic/Latino/Spanish origin?`,
race = 'How would you best describe yourself?',
gender = `What is your gender?`,
sexor = `What is your sexual orientation?`,
firstgen = `Are you a first-generation college student?`,
athlete = `Are you a recruited varsity athlete?`,
int = `Are you an international student?`,
state = `Which state do you live in (please enter the postal abbreviation)?`,
zip = `What is the ZIP Code of your home address?`,
city = `What is your home city?`,
country = `What is your home country?`,
community = `What type of community are you from?`,
income = `What do you estimate is your immediate family's total annual income?`,
finaid = `Do you receive financial aid from Duke?`,
major = `Which major are you most inclined towards?`,
whyduke = `Which of the following most influenced your decision to attend Duke?`,
greek = `How interested are you in Greek life at Duke?`,
slgs = `How interested are you in non-Greek selective living groups at Duke?`,
rush = `Are you more or less likely to rush if the recruitment process were to be online?',
whyrush = `What is your primary motivation for wanting to rush?`,
livingwhere = `Which of the following best describes your living situation this semester?',
whyhome = `What was your primary reason for staying home?`,
springliving = `Are you planning to come to campus/Durham in the spring?`,
springplans = `What are your plans for the spring?`,
covidrelief = `Did you receive additional COVID-19 relief funds from Duke? (in addition to fin
amount = `What do you think of the amount received?`,
testpos = `Have you tested positive for COVID-19 (while on campus)?`,
knowpos = `Has someone you know tested positive for COVID-19 (while on campus)?',
compactOp = `Share your opinions on... - The Duke Compact`,
enforcementOp = `Share your opinions on... - Duke's enforcement of the Duke Compact`,
housingOp = `Share your opinions on... - First-year fall housing arrangements`,
inperson = `How many in-person classes are you in this semester?`,
focus = `Are you in a FOCUS?`,
inpersonfocus = `How many of your FOCUS classes are in-person (not including the FOCUS "dinner
community = `Have you been able to find community this year?`,
communitywhere = `Where have you primarily found community?`,
pandemiccommunity = `How much do you think the pandemic has negatively affected your ability t
wearmask = `How likely are you to abide by the following elements of the Duke Compact: - Weari:
usesymmon = `How likely are you to abide by the following elements of the Duke Compact: - Moni
avoidgather = `How likely are you to abide by the following elements of the Duke Compact: - Av
covidrelief = `Did you receive additional COVID-19 relief funds from Duke? (in addition to fin
dodistance = `How likely are you to abide by the following elements of the Duke Compact: - Eng
peersmask = `How likely are your peers to abide by the following elements of the Duke Compact:
peerssymmon = `How likely are your peers to abide by the following elements of the Duke Compac
peersavoidgather = `How likely are your peers to abide by the following elements of the Duke C
peersdistance = `How likely are your peers to abide by the following elements of the Duke Comp
report = 'How likely are you to report violations to the Duke Compact?',
summerplans = `Were your summer and/or travel plans affected by the pandemic?`,
jobloss = `Has any member of your household lost their job or been furloughed due to the pander
coviddeath = `Have any of your family members or close contacts died from COVID-19?`,
gpa = `What was your high school GPA (scaled on a 0 to 4.00 scale)?',
actorsat = `Did you take the SAT or ACT?`,
sat = `What was your SAT combined score?`,
```

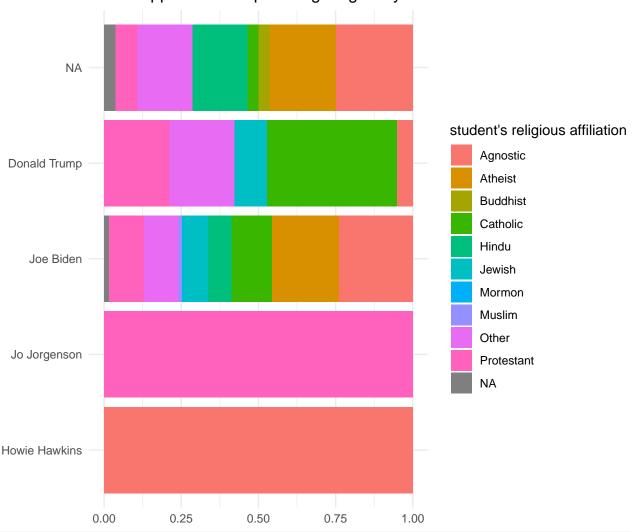
```
act = `What was your ACT composite score?`,
schooltype = `What type of secondary school did you attend?`,
summerplans = `Were your summer and/or travel plans affected by the pandemic?`,
collegecoun = `Did you hire a private college admissions counselor during the admissions proce
numberapps = `How many colleges and universities did you apply to?`,
acceptances = `How many colleges and universities were you accepted to?`,
ed = `Did you apply to Duke via the Early Decision process?`,
waitlist = `Were you accepted off the waitlist from Duke?`,
firstchoice = `Was Duke your first choice?`,
legacy = 'Did any of your parents or siblings attend Duke?',
religion = `Which best describes your religion?`,
howreligious = 'How religious would you say you are?',
political = `How would you describe your political beliefs?`,
voted = 'Did you / are you planning to vote in the 2020 election?',
president = `Who did you vote for / who are you planning to vote for?',
wherevote = 'Did you / are you planning to vote at your home or in Durham?',
primaryvote = `Did you vote in the primary election?`,
lifestyle = `Have you done any of the following?`,
mentalhealth = `Have you received treatment for your mental health before?`,
continuedtreatment = `Are you currently receiving treatment for your mental health?`,
chronicle = `In which format do you read The Chronicle?`)
```

newfirst

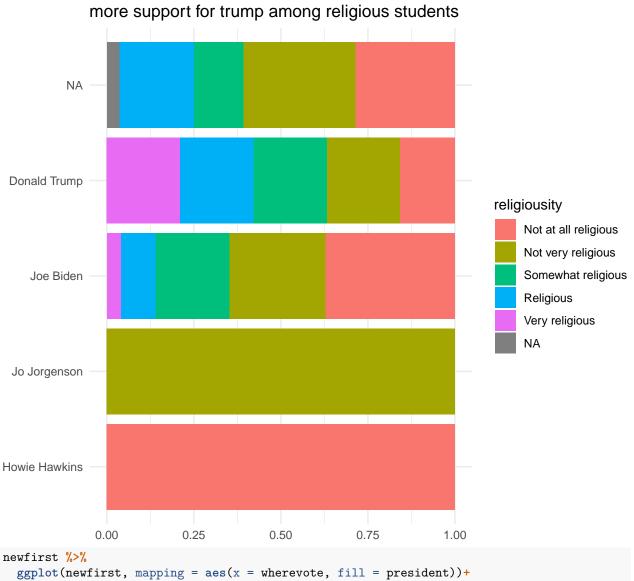
```
## # A tibble: 299 x 145
##
      `Are you enroll~ `Are you of His~ `How would you ~ `What is your g~
##
      <chr>
                       <chr>
                                        <chr>
                                                         <chr>>
## 1 Pratt
                       No
                                        White
                                                         Cis Woman
## 2 Trinity
                                                         Cis Woman
                      No
                                        White
## 3 Trinity
                      No
                                        Asian
                                                         Cis Woman
## 4 Trinity
                      No
                                        Asian
                                                         Cis Man
## 5 Trinity
                      No
                                        White, Black or ~ Cis Woman
                      No
                                                         Cis Man
## 6 Pratt
                                        Asian
## 7 Trinity
                      No
                                        Asian
                                                         Cis Woman
## 8 Trinity
                       No
                                                         Cis Man
                                        White
## 9 Pratt
                                                         Cis Man
                       No
                                        White
## 10 Trinity
                       Yes
                                        White
                                                         Cis Woman
\#\# \# ... with 289 more rows, and 141 more variables: `What is your sexual
      orientation?' <chr>, `Are you a first-generation college student?' <chr>,
      `Are you a recruited varsity athlete?` <chr>, `Are you an international
       student?' <chr>, 'Which state do you live in (please enter the postal
## #
## #
       abbreviation)? '<chr>, 'What is the ZIP Code of your home address?' <chr>,
## #
      `What is your home city?` <chr>, `What is your home country?` <chr>, `What
      type of community are you from? ` <chr>, `What do you estimate is your
## #
       immediate family's total annual income?` <chr>, `Do you receive financial
## #
## #
       aid from Duke?' <chr>, `Which major are you most inclined towards?' <chr>,
## #
      Which of the following most influenced your decision to attend
## #
      Duke?` <chr>, `How interested are you in Greek life at Duke?` <chr>, `How
## #
       interested are you in non-Greek selective living groups at Duke?` <chr>,
## #
       `Are you more or less likely to rush if the recruitment process were to be
## #
      online?' <chr>, 'What is your primary motivation for wanting to
      rush?` <chr>, `Which of the following best describes your living situation
## #
## #
       this semester?` <chr>, `What was your primary reason for staying
## #
      home? ' <chr>, 'Are you planning to come to campus/Durham in the
```

```
## #
       spring? ' <chr>, 'What are your plans for the spring?' <chr>, 'Did you
## #
       receive additional COVID-19 relief funds from Duke? (in addition to
## #
       financial aid package) ' <chr>, 'What do you think of the amount
       received? '<chr>, 'Have you tested positive for COVID-19 (while on
## #
## #
       campus)?` <chr>, `Has someone you know tested positive for COVID-19 (while
## #
       on campus)?` <chr>, `Share your opinions on... - The Duke Compact` <chr>,
## #
       `Share your opinions on... - Duke's enforcement of the Duke Compact` <chr>,
       `Share your opinions on... - First-year fall housing arrangements` <chr>,
## #
## #
       'How many in-person classes are you in this semester?' <dbl>, 'Are you in a
## #
       FOCUS?' <chr>, 'How many of your FOCUS classes are in-person (not including
## #
       the FOCUS "dinner")? ' <dbl>, 'Have you been able to find community this
## #
       year? ' <chr>, 'Where have you primarily found community?' <chr>, 'How much
## #
       do you think the pandemic has negatively affected your ability to find
## #
       community? ` <chr>, `How likely are you to abide by the following elements
## #
       of the Duke Compact: - Wearing a mask or face covering in all public
## #
       spaces' <chr>, 'How likely are you to abide by the following elements of
## #
       the Duke Compact: - Monitoring and reporting symptoms through the SymMon
## #
       app` <chr>, `How likely are you to abide by the following elements of the
## #
       Duke Compact: - Avoiding large gatherings of 10+ people` <chr>, `How likely
       are you to abide by the following elements of the Duke Compact: - Engaging
## #
## #
       in physical distancing` <chr>, `How likely are your peers to abide by the
## #
       following elements of the Duke Compact: - Wearing a mask or face covering
       in all public spaces` <chr>, `How likely are your peers to abide by the
## #
       following elements of the Duke Compact: - Monitoring and reporting symptoms
## #
## #
       through the SymMon app` <chr>, `How likely are your peers to abide by the
## #
       following elements of the Duke Compact: - Avoiding large gatherings of 10+
## #
       people` <chr>, `How likely are your peers to abide by the following
## #
       elements of the Duke Compact: - Engaging in physical distancing` <chr>,
## #
       `How likely are you to report violations to the Duke Compact?` <chr>, `Were
## #
       your summer and/or travel plans affected by the pandemic?` <chr>, `Has any
## #
       member of your household lost their job or been furloughed due to the
## #
       pandemic?` <chr>, `Have any of your family members or close contacts died
## #
       from COVID-19? ' <chr>, 'What was your high school GPA (scaled on a 0 to
## #
       4.00 scale)? ' <dbl>, 'Did you take the SAT or ACT?' <chr>, 'What was your
## #
       SAT combined score?` <dbl>, `What was your ACT composite score?` <dbl>,
## #
       `What type of secondary school did you attend?` <chr>, `Did you hire a
## #
       private college admissions counselor during the admissions process?' <chr>,
## #
       `How many colleges and universities did you apply to?` <dbl>, `How many
## #
       colleges and universities were you accepted to?` <dbl>, `Did you apply to
## #
       Duke via the Early Decision process?` <chr>, `Were you accepted off the
       waitlist from Duke?' <chr>, 'Was Duke your first choice?' <chr>, 'Did any
## #
## #
       of your parents or siblings attend Duke?` <chr>, `Which best describes your
## #
       religion?` <chr>, `How religious would you say you are?` <chr>, `How would
## #
       you describe your political beliefs?' <chr>, 'Did you / are you planning to
       vote in the 2020 election? '<chr>, 'Who did you vote for / who are you
## #
       planning to vote for? ' <chr>, 'Did you / are you planning to vote at your
## #
## #
       home or in Durham?' <chr>, 'Did you vote in the primary election?' <chr>,
## #
       `Have you done any of the following?` <chr>, `Have you received treatment
## #
       for your mental health before?` <chr>, `Are you currently receiving
## #
       treatment for your mental health?` <chr>, `In which format do you read The
## #
       Chronicle?` <chr>, college <chr>, hispanic <chr>, race <chr>, gender <chr>,
## #
       sexor <chr>, firstgen <chr>, athlete <chr>, int <chr>, state <chr>,
## #
       zip <chr>, city <chr>, country <chr>, community <chr>, income <chr>,
## #
      finaid <chr>, major <chr>, whyduke <chr>, greek <chr>, slgs <chr>,
```

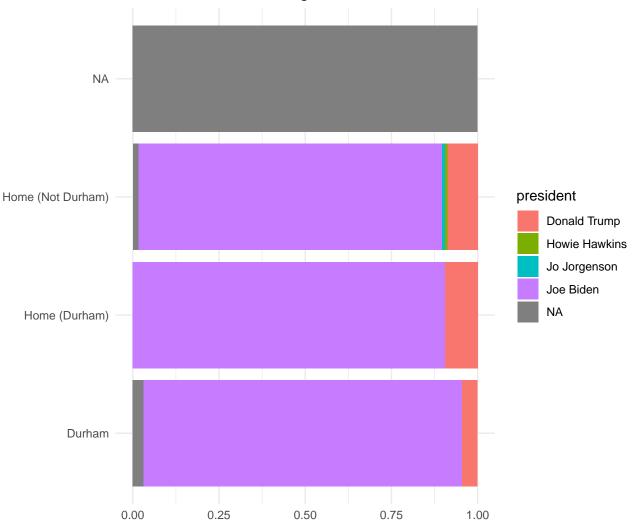
more support for trump among religiously affiliated students

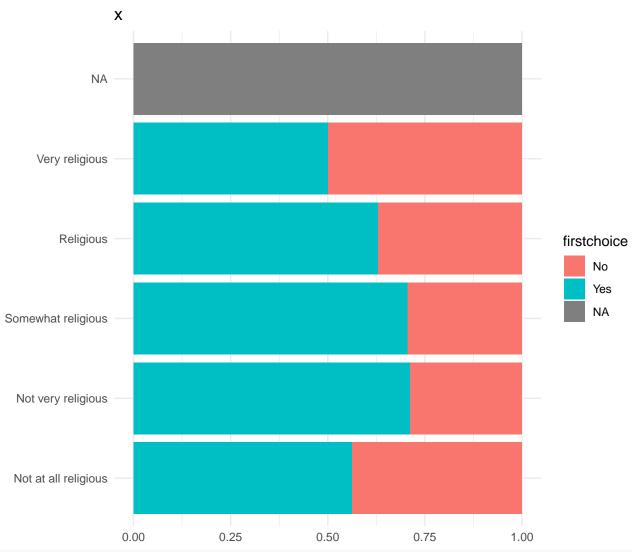


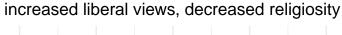


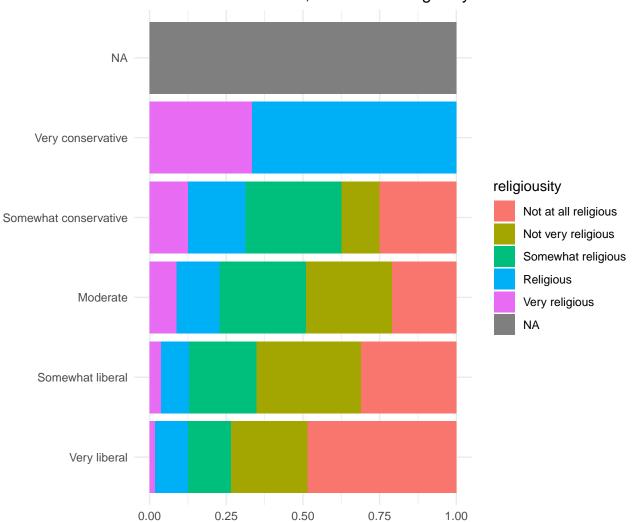




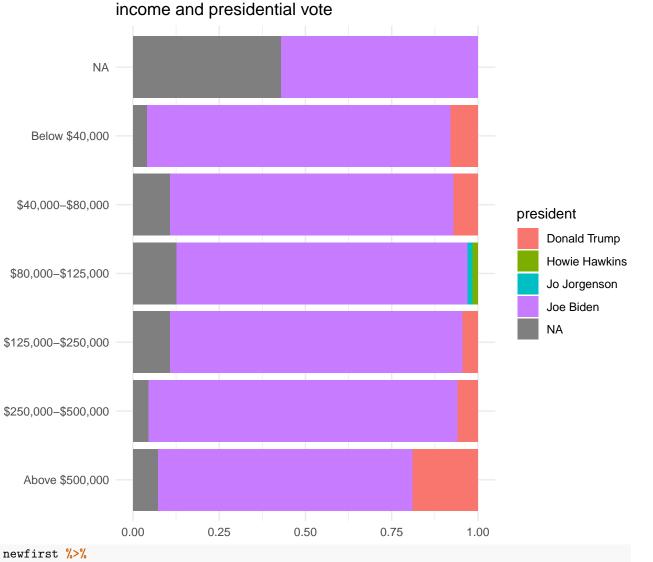


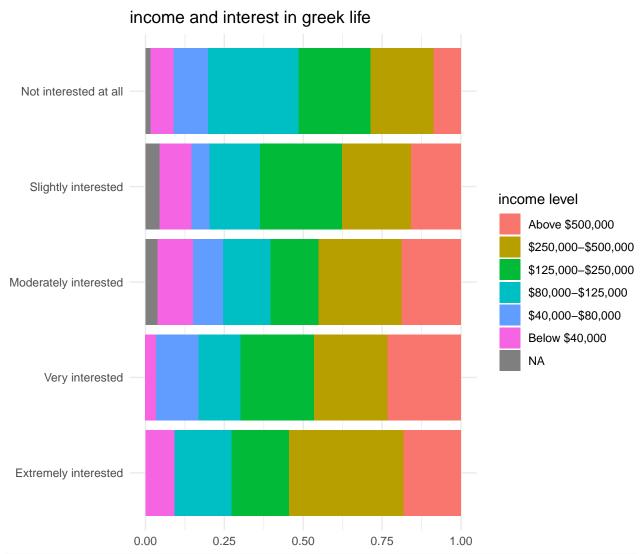


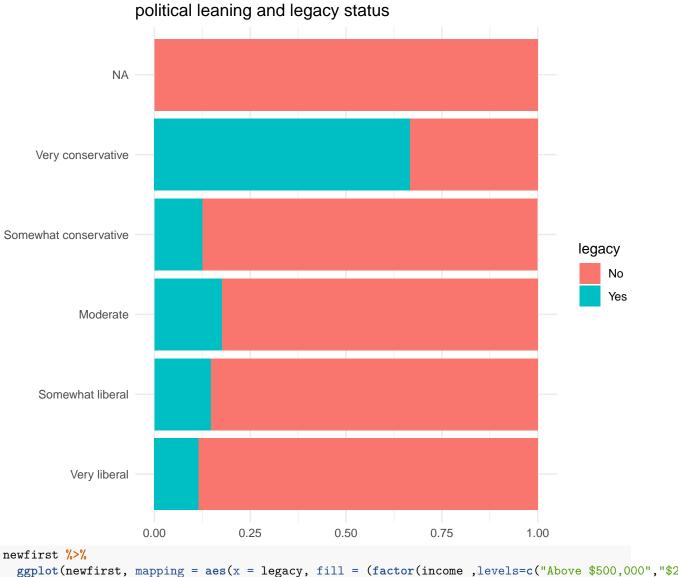


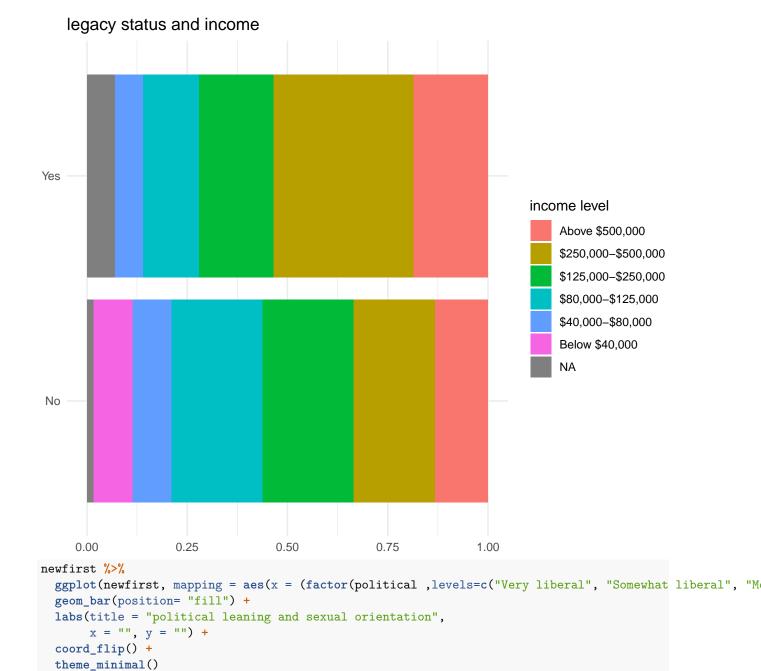


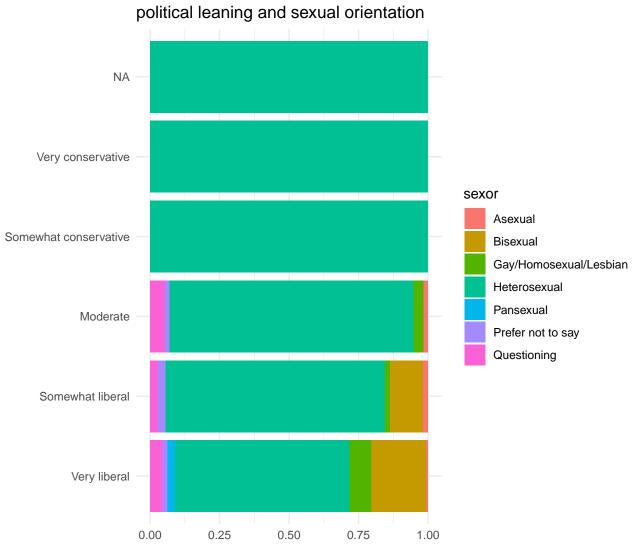
```
newfirst %>%
  ggplot(newfirst, mapping = aes(x = (factor(income ,levels=c("Above $500,000","$250,000-$500,000", "$1
 geom_bar(position= "fill") +
  labs(title = "income and presidential vote",
       x = "", y = "") +
  coord_flip() +
  theme_minimal()
```

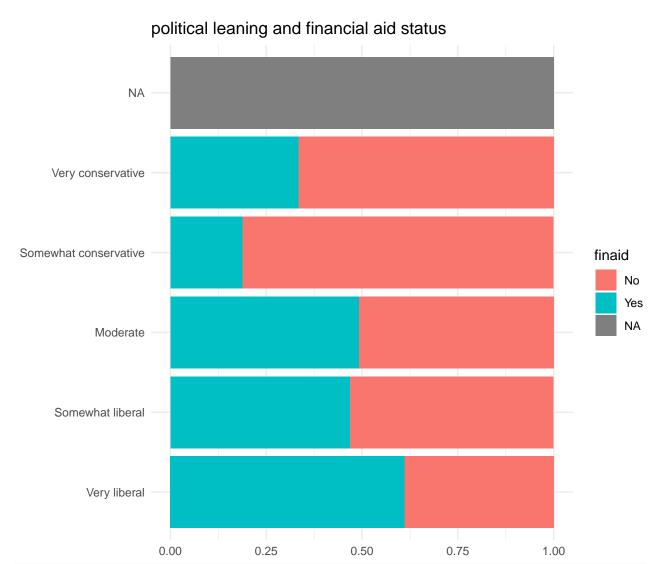


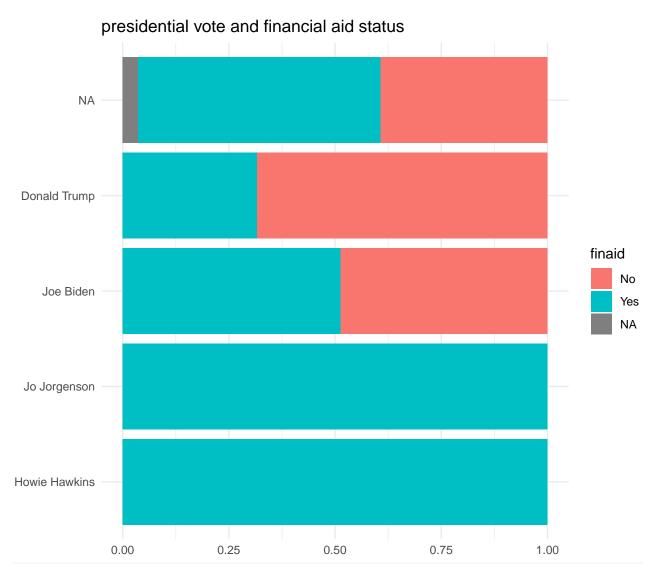












intended major and political leaning

