Demographic Tables

Jason Neumeyer

10/21/2020

load data & packages

```
setwd("C:/Users/19204/OneDrive/Desktop")
imm <- read.csv("immigration_2019_clean.csv")

#install.packages("qwraps2")
library(qwraps2)
```

```
## Warning: package 'qwraps2' was built under R version 4.0.3
```

```
#View(imm)

#names(imm)
```

Full Sample Demographics

```
age <- imm$age
sex <- na.omit(imm$male)
race <- imm$race
educ <- imm$educ
money <- na.omit(imm$income)
money <- round(money, digits = 3)
PID <- round(imm$pid_rep, digits = 3)
ideo <- na.omit(imm$ideol_con)
ideo <- round(ideo, digits = 3)

full_sample <-
  list("Age" =
         list("Minimum"       = ~ min(age),
              "Maximum"       = ~ max(age),
              "Mean (Standard Deviation)" = ~ qwraps2::mean_sd(age)),
       "Sex" =
         list("Male"      = ~ n_perc(sex == 1),
              "Female"    = ~ n_perc(sex == 0)),
       "Race" =
         list("White"     = ~ n_perc(race == "Caucasian/White (non-Hispanic)"),
              "Asian/Pacific Islander"     = ~ n_perc(race == "Asian/Pacific Islanders"),
              "Black"     = ~ n_perc(race == "Black or African-American (non-Hispanic)"),
              "Hispanic"  = ~ n_perc(race == "Hispanic or Latino"),
              "Middle Eastern" = ~ n_perc(race == "Middle Eastern"),
              "Native American" = ~ n_perc(race == "Native American or Aleut"),
```

```
            "Other" = ~ n_perc(race == "Other")),
       "Party ID" =
        list("Strong Republican"     = ~ n_perc(PID == 1.00),
             "Republican"            = ~ n_perc(PID == 0.833),
             "Lean Republican"       = ~ n_perc(PID == 0.667),
             "Independent"           = ~ n_perc(PID == 0.500),
             "Lean Democrat"         = ~ n_perc(PID == 0.333),
             "Democrat"              = ~ n_perc(PID == 0.167),
             "Strong Democrat"       = ~ n_perc(PID == 0.00)),
      "Ideology" =
        list("Very Conservative"     = ~ n_perc(ideo == 1.00),
             "Conservative"          = ~ n_perc(ideo == 0.833),
             "Slightly Conservative" = ~ n_perc(ideo == 0.667),
             "Moderate"              = ~ n_perc(ideo == 0.500),
             "Slightly Liberal"      = ~ n_perc(ideo == 0.333),
             "Liberal"               = ~ n_perc(ideo == 0.167),
             "Very Liberal"          = ~ n_perc(ideo == 0.00)),
      "Highest Education Level" =
        list("Post-Graduate Degree"   = ~ n_perc(educ == "Completed post-graduate or professional scho
             "4-year Degree"     = ~ n_perc(educ == "Graduated 4-year college"),
             "2-year Degree"     = ~ n_perc(educ == "Graduated 2-year college"),
             "Some College"      = ~ n_perc(educ == "Some college but no college degree"),
             "High School"       = ~ n_perc(educ == "Graduated high school or GED"),
             "Less than High School"  = ~ n_perc(educ == "Less than a high school diploma")),
      "Income Level" =
        list("$120,000+"      = ~ n_perc(money == 1.00),
             "$119,999 - $100,000"   = ~ n_perc(money == 0.833),
             "$99,999 - $80,000"     = ~ n_perc(money == 0.667),
             "$79,999 - $60,000"     = ~ n_perc(money == 0.500),
             "$59,999 - $40,000"     = ~ n_perc(money == 0.333),
             "$39,999 - $20,000"     = ~ n_perc(money == 0.167),
             "< $20,000"       = ~ n_perc(money == 0.00))

  )

full_sample_dem <- qwraps2::summary_table(imm, full_sample)
full_sample_dem
```

	imm (N = 600)
Age	
Minimum	20
Maximum	72
Mean (Standard Deviation)	39.12 ± 11.75
Sex	
Male	294 (49.25%)
Female	303 (50.75%)
Race	
White	473 (78.83%)
Asian/Pacific Islander	26 (4.33%)
Black	59 (9.83%)
Hispanic	25 (4.17%)
Middle Eastern	2 (0.33%)
Native American	6 (1.00%)

	imm (N = 600)
Other	9 (1.50%)
Party ID	
Strong Republican	100 (16.67%)
Republican	82 (13.67%)
Lean Republican	45 (7.50%)
Independent	54 (9.00%)
Lean Democrat	62 (10.33%)
Democrat	111 (18.50%)
Strong Democrat	146 (24.33%)
Ideology	
Very Conservative	55 (9.23%)
Conservative	89 (14.93%)
Slightly Conservative	58 (9.73%)
Moderate	104 (17.45%)
Slightly Liberal	64 (10.74%)
Liberal	145 (24.33%)
Very Liberal	81 (13.59%)
Highest Education Level	
Post-Graduate Degree	80 (13.33%)
4-year Degree	250 (41.67%)
2-year Degree	73 (12.17%)
Some College	131 (21.83%)
High School	64 (10.67%)
Less than High School	2 (0.33%)
Income Level	
$120,000+	58 (9.80%)
$119,999 - $100,000	28 (4.73%)
$99,999 - $80,000	70 (11.82%)
$79,999 - $60,000	114 (19.26%)
$59,999 - $40,000	140 (23.65%)
$39,999 - $20,000	131 (22.13%)
< $20,000	51 (8.61%)

Treatment Sample

```
imm_treat <- subset(imm, tweet == "fox" | tweet == "msnbc")

age_treat <- imm_treat$age
sex_treat <- na.omit(imm_treat$male)
race_treat <- imm_treat$race
educ_treat <- imm_treat$educ
money_treat <- na.omit(imm_treat$income)
money_treat <- round(money_treat, digits = 3)
PID_treat <- round(imm_treat$pid_rep, digits = 3)
ideo_treat <- na.omit(imm_treat$ideol_con)
ideo_treat <- round(ideo_treat, digits = 3)

treatment_sample <-
  list("Age" =
         list("Minimum"       = ~ min(age_treat),
              "Maximum"       = ~ max(age_treat),
```

```
            "Mean (Standard Deviation)" = ~ qwraps2::mean_sd(age_treat)),
      "Sex" =
        list("Male"      = ~ n_perc(sex_treat == 1),
             "Female"    = ~ n_perc(sex_treat == 0)),
      "Race" =
        list("White"     = ~ n_perc(race_treat == "Caucasian/White (non-Hispanic)"),
             "Asian/Pacific Islander"     = ~ n_perc(race_treat == "Asian/Pacific Islanders"),
             "Black"     = ~ n_perc(race_treat == "Black or African-American (non-Hispanic)"),
             "Hispanic"  = ~ n_perc(race_treat == "Hispanic or Latino"),
             "Middle Eastern" = ~ n_perc(race_treat == "Middle Eastern"),
             "Native American" = ~ n_perc(race_treat == "Native American or Aleut"),
             "Other" = ~ n_perc(race_treat == "Other")),
      "Party ID" =
        list("Strong Republican"     = ~ n_perc(PID_treat == 1.00),
             "Republican"            = ~ n_perc(PID_treat == 0.833),
             "Lean Republican"       = ~ n_perc(PID_treat == 0.667),
             "Independent"           = ~ n_perc(PID_treat == 0.500),
             "Lean Democrat"         = ~ n_perc(PID_treat == 0.333),
             "Democrat"              = ~ n_perc(PID_treat == 0.167),
             "Strong Democrat"       = ~ n_perc(PID_treat == 0.00)),
      "Ideology" =
        list("Very Conservative"     = ~ n_perc(ideo_treat == 1.00),
             "Conservative"          = ~ n_perc(ideo_treat == 0.833),
             "Slightly Conservative" = ~ n_perc(ideo_treat == 0.667),
             "Moderate"              = ~ n_perc(ideo_treat == 0.500),
             "Slightly Liberal"      = ~ n_perc(ideo_treat == 0.333),
             "Liberal"               = ~ n_perc(ideo_treat == 0.167),
             "Very Liberal"          = ~ n_perc(ideo_treat == 0.00)),
      "Highest Education Level" =
        list("Post-Graduate Degree"   = ~ n_perc(educ_treat == "Completed post-graduate or professional
             "4-year Degree"     = ~ n_perc(educ_treat == "Graduated 4-year college"),
             "2-year Degree"     = ~ n_perc(educ_treat == "Graduated 2-year college"),
             "Some College"      = ~ n_perc(educ_treat == "Some college but no college degree"),
             "High School"       = ~ n_perc(educ_treat == "Graduated high school or GED"),
             "Less than High School"  = ~ n_perc(educ_treat == "Less than a high school diploma")),
      "Income Level" =
        list("$120,000 +"      = ~ n_perc(money_treat == 1.00),
             "$119,999 - $100,000"   = ~ n_perc(money_treat == 0.833),
             "$99,999 - $80,000"     = ~ n_perc(money_treat == 0.667),
             "$79,999 - $60,000"     = ~ n_perc(money_treat == 0.500),
             "$59,999 - $40,000"     = ~ n_perc(money_treat == 0.333),
             "$39,999 - $20,000"     = ~ n_perc(money_treat == 0.167),
             "< $20,000"       = ~ n_perc(money_treat == 0.00))

  )

treatment_sample <- qwraps2::summary_table(imm_treat, treatment_sample)
treatment_sample
```

	imm_treat (N = 406)
Age	
Minimum	20
Maximum	72

	imm_treat (N = 406)
Mean (Standard Deviation)	39.32 ± 11.93
Sex	
Male	213 (52.72%)
Female	191 (47.28%)
Race	
White	321 (79.06%)
Asian/Pacific Islander	20 (4.93%)
Black	36 (8.87%)
Hispanic	16 (3.94%)
Middle Eastern	1 (0.25%)
Native American	4 (0.99%)
Other	8 (1.97%)
Party ID	
Strong Republican	70 (17.24%)
Republican	57 (14.04%)
Lean Republican	25 (6.16%)
Independent	35 (8.62%)
Lean Democrat	40 (9.85%)
Democrat	80 (19.70%)
Strong Democrat	99 (24.38%)
Ideology	
Very Conservative	36 (8.91%)
Conservative	64 (15.84%)
Slightly Conservative	37 (9.16%)
Moderate	71 (17.57%)
Slightly Liberal	41 (10.15%)
Liberal	92 (22.77%)
Very Liberal	63 (15.59%)
Highest Education Level	
Post-Graduate Degree	61 (15.02%)
4-year Degree	170 (41.87%)
2-year Degree	52 (12.81%)
Some College	86 (21.18%)
High School	35 (8.62%)
Less than High School	2 (0.49%)
Income Level	
$120,000 +	40 (9.95%)
$119,999 - $100,000	23 (5.72%)
$99,999 - $80,000	44 (10.95%)
$79,999 - $60,000	80 (19.90%)
$59,999 - $40,000	98 (24.38%)
$39,999 - $20,000	85 (21.14%)
< $20,000	32 (7.96%)

Control Sample

```
imm_control <- subset(imm, tweet == "control")

age_control <- imm_control$age
sex_control <- na.omit(imm_control$male)
race_control <- imm_control$race
```

```r
educ_control <- imm_control$educ
money_control <- na.omit(imm_control$income)
money_control <- round(money_control, digits = 3)
PID_control <- round(imm_control$pid_rep, digits = 3)
ideo_control <- na.omit(imm_control$ideol_con)
ideo_control <- round(ideo_control, digits = 3)

control_sample <-
  list("Age" =
         list("Minimum"       = ~ min(age_control),
              "Maximum"       = ~ max(age_control),
              "Mean (Standard Deviation)" = ~ qwraps2::mean_sd(age_control)),
       "Sex" =
         list("Male"      = ~ n_perc(sex_control == 1),
              "Female"    = ~ n_perc(sex_control == 0)),
       "Race" =
         list("White"     = ~ n_perc(race_control == "Caucasian/White (non-Hispanic)"),
              "Asian/Pacific Islander"     = ~ n_perc(race_control == "Asian/Pacific Islanders"),
              "Black"     = ~ n_perc(race_control == "Black or African-American (non-Hispanic)"),
              "Hispanic"  = ~ n_perc(race_control == "Hispanic or Latino"),
              "Middle Eastern" = ~ n_perc(race_control == "Middle Eastern"),
              "Native American" = ~ n_perc(race_control == "Native American or Aleut"),
              "Other" = ~ n_perc(race_control == "Other")),
       "Party ID" =
         list("Strong Republican"     = ~ n_perc(PID_control == 1.00),
              "Republican"            = ~ n_perc(PID_control == 0.833),
              "Lean Republican"       = ~ n_perc(PID_control == 0.667),
              "Independent"           = ~ n_perc(PID_control == 0.500),
              "Lean Democrat"         = ~ n_perc(PID_control == 0.333),
              "Democrat"              = ~ n_perc(PID_control == 0.167),
              "Strong Democrat"       = ~ n_perc(PID_control == 0.00)),
       "Ideology" =
         list("Very Conservative"     = ~ n_perc(ideo_control == 1.00),
              "Conservative"          = ~ n_perc(ideo_control == 0.833),
              "Slightly Conservative" = ~ n_perc(ideo_control == 0.667),
              "Moderate"              = ~ n_perc(ideo_control == 0.500),
              "Slightly Liberal"      = ~ n_perc(ideo_control == 0.333),
              "Liberal"               = ~ n_perc(ideo_control == 0.167),
              "Very Liberal"          = ~ n_perc(ideo_control == 0.00)),
       "Highest Education Level" =
         list("Post-Graduate Degree"   = ~ n_perc(educ_control == "Completed post-graduate or professio
              "4-year Degree"     = ~ n_perc(educ_control == "Graduated 4-year college"),
              "2-year Degree"     = ~ n_perc(educ_control == "Graduated 2-year college"),
              "Some College"      = ~ n_perc(educ_control == "Some college but no college degree"),
              "High School"       = ~ n_perc(educ_control == "Graduated high school or GED"),
              "Less than High School"  = ~ n_perc(educ_control == "Less than a high school diploma")),
       "Income Level" =
         list("$120,000 +"      = ~ n_perc(money_control == 1.00),
              "$119,999 - $100,000"   = ~ n_perc(money_control == 0.833),
              "$99,999 - $80,000"     = ~ n_perc(money_control == 0.667),
              "$79,999 - $60,000"     = ~ n_perc(money_control == 0.500),
              "$59,999 - $40,000"     = ~ n_perc(money_control == 0.333),
              "$39,999 - $20,000"     = ~ n_perc(money_control == 0.167),
```

```
              "< $20,000"              = ~ n_perc(money_control == 0.000))

  )

control_sample <- qwraps2::summary_table(imm_control, control_sample)
control_sample
```

	imm_control (N = 194)
Age	
Minimum	21
Maximum	71
Mean (Standard Deviation)	38.70 ± 11.38
Sex	
Male	81 (41.97%)
Female	112 (58.03%)
Race	
White	152 (78.35%)
Asian/Pacific Islander	6 (3.09%)
Black	23 (11.86%)
Hispanic	9 (4.64%)
Middle Eastern	1 (0.52%)
Native American	2 (1.03%)
Other	1 (0.52%)
Party ID	
Strong Republican	30 (15.46%)
Republican	25 (12.89%)
Lean Republican	20 (10.31%)
Independent	19 (9.79%)
Lean Democrat	22 (11.34%)
Democrat	31 (15.98%)
Strong Democrat	47 (24.23%)
Ideology	
Very Conservative	19 (9.90%)
Conservative	25 (13.02%)
Slightly Conservative	21 (10.94%)
Moderate	33 (17.19%)
Slightly Liberal	23 (11.98%)
Liberal	53 (27.60%)
Very Liberal	18 (9.38%)
Highest Education Level	
Post-Graduate Degree	19 (9.79%)
4-year Degree	80 (41.24%)
2-year Degree	21 (10.82%)
Some College	45 (23.20%)
High School	29 (14.95%)
Less than High School	0 (0.00%)
Income Level	
$120,000 +	18 (9.47%)
$119,999 - $100,000	5 (2.63%)
$99,999 - $80,000	26 (13.68%)
$79,999 - $60,000	34 (17.89%)
$59,999 - $40,000	42 (22.11%)
$39,999 - $20,000	46 (24.21%)

	imm_control (N = 194)
< $20,000	19 (10.00%)