

R Camp HW Day 1

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The data used is from an ongoing project where Matthew and I are looking at whether or not political trust mediates the relationship between anxiety and political participation. Levels of anxiety are measured by asking to what extent the respondents feel anxious, worried, and fearful while trust is measured by asking to what extent the individuals trust their representative and the institution of the government.

```
library(haven)
```

```
## Warning: package 'haven' was built under R version 3.6.1
```

```
setwd("C:/Users/mgz1/Dropbox/POLI 501")
TRUST_TAKE_x <- read_dta("TRUST TAKE x.dta")
```

```
# Problem 1
```

```
#using the str command to find the mode and see some of the data
str(TRUST_TAKE_x)
```

```
## Classes 'tbl_df', 'tbl' and 'data.frame': 201 obs. of 97 variables:
## $ clicked_out : num 0 0 0 0 0 0 0 0 0 0 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ race_6_text : chr "" "" "" "" ...
## .. attr(*, "label")= chr "race_6_TEXT"
## .. attr(*, "format.stata")= chr "%74s"
## $ gender : chr "Male" "Male" "Female" "Male" ...
## .. attr(*, "format.stata")= chr "%35s"
## $ age : num 26 38 28 28 34 31 30 32 35 26 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ open_imag : num 2 1 4 2 2 2 2 3 4 2 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ cons_syst : num 3 2 2 4 1 2 2 2 1 2 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ ext_ext : num 5 1 2 3 5 2 4 5 5 5 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ agr_warm : num 2 2 2 2 2 2 3 3 1 2 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ emo_calm : num 2 1 2 4 1 2 2 2 1 2 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ open_anal : num 1 1 2 3 3 1 2 4 1 1 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ cons_work : num 2 1 2 3 5 2 2 2 1 2 ...
## .. attr(*, "format.stata")= chr "%10.0g"
## $ ext_talk : num 5 2 3 3 5 2 4 5 5 5 ...
## .. attr(*, "label")= chr "personality_1"
## .. attr(*, "format.stata")= chr "%10.0g"
## $ agr_gentle : num 2 2 3 4 2 1 3 2 1 1 ...
```

```

##   ..- attr(*, "label")= chr "personality_2"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ emo_relax      : num  2 1 2 3 1 2 2 4 3 2 ...
##   ..- attr(*, "label")= chr "personality_3"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ open_creative  : num  1 1 4 2 3 2 2 5 3 2 ...
##   ..- attr(*, "label")= chr "personality_4"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ cons_neat      : num  3 1 3 2 1 2 2 4 1 2 ...
##   ..- attr(*, "label")= chr "personality_5"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ ext_bold       : num  3 3 2 3 4 2 2 5 5 5 ...
##   ..- attr(*, "label")= chr "personality_6"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ agr_kind       : num  1 2 2 4 1 2 2 2 1 2 ...
##   ..- attr(*, "label")= chr "personality_1"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ emo_atease     : num  1 1 2 3 1 2 2 4 3 4 ...
##   ..- attr(*, "label")= chr "personality_2"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ open_curious   : num  2 1 3 2 2 1 1 1 2 1 ...
##   ..- attr(*, "label")= chr "personality_3"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ cons_careful   : num  2 1 2 2 1 2 3 1 1 1 ...
##   ..- attr(*, "label")= chr "personality_4"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ ext_spont      : num  3 3 3 3 5 2 3 4 5 5 ...
##   ..- attr(*, "label")= chr "personality_5"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ agr_polite     : num  2 1 2 3 1 2 2 2 1 1 ...
##   ..- attr(*, "label")= chr "personality_6"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ emo_steady     : num  2 1 2 3 1 2 2 2 1 2 ...
##   ..- attr(*, "label")= chr "personality_1"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ open_intel     : num  1 1 2 4 3 1 2 2 1 1 ...
##   ..- attr(*, "label")= chr "personality_2"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ cons_resp      : num  1 1 2 3 1 2 2 1 1 2 ...
##   ..- attr(*, "label")= chr "personality_3"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ ext_outgoing   : num  5 1 2 2 5 2 3 5 5 5 ...
##   ..- attr(*, "label")= chr "personality_4"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ agr_sympa      : num  2 2 3 2 1 2 2 2 1 2 ...
##   ..- attr(*, "label")= chr "personality_5"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ emo_content    : num  2 1 2 3 1 2 3 2 1 4 ...
##   ..- attr(*, "label")= chr "personality_6"
##   ..- attr(*, "format.stata")= chr "%10.0g"
##   $ race           : chr  "White" "White" "Asian or Asian American" "White,Asian or Asian American"
##   ..- attr(*, "format.stata")= chr "%65s"
##   $ v1             : chr  "Bachelor's degree in college (4-year)" "Bachelor's degree in college (4-y
##   ..- attr(*, "format.stata")= chr "%96s"

```

```

## $ pid1          : chr "Democrat" "Democrat" "Republican" "Democrat" ...
##   .. attr(*, "format.stata")= chr "%95s"
## $ pid1_text     : chr "" "" "" "" ...
##   .. attr(*, "label")= chr "pid1_TEXT"
##   .. attr(*, "format.stata")= chr "%100s"
## $ pid2          : chr "Not strong Democrat" "Not strong Democrat" "Not strong Republican" "Not s
##   .. attr(*, "format.stata")= chr "%100s"
## $ pid3          : chr "" "" "" "" ...
##   .. attr(*, "format.stata")= chr "%75s"
## $ ideo          : chr "Liberal" "Liberal" "Conservative" "Liberal" ...
##   .. attr(*, "format.stata")= chr "%100s"
## $ trust_1       : chr "Sometimes" "Never" "Sometimes" "About half the time" ...
##   .. attr(*, "format.stata")= chr "%92s"
## $ trust_2       : chr "Sometimes" "Never" "Sometimes" "Sometimes" ...
##   .. attr(*, "format.stata")= chr "%73s"
## $ efficacy_1    : chr "Neither agree nor disagree" "Disagree" "Disagree" "Neither agree nor disag
##   .. attr(*, "format.stata")= chr "%100s"
## $ efficacy_2    : chr "Only now and then" "Most of the time" "Most of the time" "Only now and the
##   .. attr(*, "format.stata")= chr "%100s"
## $ govpers_1     : chr "Agree" "Agree" "Agree" "Neither agree nor disagree" ...
##   .. attr(*, "format.stata")= chr "%58s"
## $ govpers_2     : chr "Agree" "Agree" "Disagree" "Disagree" ...
##   .. attr(*, "format.stata")= chr "%69s"
## $ treatment_1   : num 0 1 0 0 1 0 0 1 1 1 ...
##   .. attr(*, "format.stata")= chr "%10.0g"
## $ treatment_0   : num 1 NA 1 1 NA 1 1 NA NA NA ...
##   .. attr(*, "format.stata")= chr "%10.0g"
## $ anx1          : chr "None at all" "None at all" "None at all" "A little" ...
##   .. attr(*, "format.stata")= chr "%24s"
## $ anx2          : chr "None at all" "None at all" "None at all" "A little" ...
##   .. attr(*, "format.stata")= chr "%24s"
## $ anx3          : chr "None at all" "None at all" "None at all" "None at all" ...
##   .. attr(*, "format.stata")= chr "%23s"
## $ emo1          : chr "A lot" "A moderate amount" "A lot" "A moderate amount" ...
##   .. attr(*, "format.stata")= chr "%24s"
## $ emo2          : chr "None at all" "None at all" "None at all" "A little" ...
##   .. attr(*, "format.stata")= chr "%22s"
## $ emo3          : chr "A moderate amount" "None at all" "A moderate amount" "A moderate amount"
##   .. attr(*, "format.stata")= chr "%24s"
## $ emo4          : chr "A little" "None at all" "None at all" "A little" ...
##   .. attr(*, "format.stata")= chr "%26s"
## $ emo5          : chr "A lot" "A moderate amount" "A moderate amount" "A little" ...
##   .. attr(*, "format.stata")= chr "%29s"
## $ emo6          : chr "None at all" "None at all" "None at all" "A moderate amount" ...
##   .. attr(*, "format.stata")= chr "%22s"
## $ vote_regis    : chr "Yes" "Yes" "Yes" "Yes" ...
##   .. attr(*, "format.stata")= chr "%27s"
## $ vote_his      : chr "Yes" "Yes" "Yes" "Yes" ...
##   .. attr(*, "format.stata")= chr "%42s"
## $ vot_his2_1    : chr "Attended a political protest, march, or demonstration" "" "" "" ...
##   .. attr(*, "format.stata")= chr "%84s"
## $ vot_his2_2    : chr "" "" "" "" ...
##   .. attr(*, "format.stata")= chr "%58s"
## $ vot_his2_3    : chr "" "" "" "" ...

```

```

##   .-. attr(*, "format.stata")= chr "%74s"
##   $ vot_his2_4      : chr  "" "" "Given money to a political or policy cause" "" ...
##   .-. attr(*, "format.stata")= chr "%73s"
##   $ contact_rep    : chr  "1" "1" "1" "1" ...
##   .-. attr(*, "format.stata")= chr "%81s"
##   $ pol_partic1    : chr  "Definitely not" "Definitely not" "Probably not" "Probably not" ...
##   .-. attr(*, "format.stata")= chr "%71s"
##   $ pol_partic2    : chr  "Definitely not" "Might or might not" "Probably not" "Might or might not"
##   .-. attr(*, "format.stata")= chr "%100s"
##   $ pol_partic3    : chr  "Definitely yes" "Definitely yes" "Definitely yes" "Definitely yes" ...
##   .-. attr(*, "format.stata")= chr "%41s"
##   $ donate         : 'haven_labelled' num  0 0 0.25 0.25 1 0.75 1 0 0 0 ...
##   .-. attr(*, "label")= chr  "Plans to donate to a campaign"
##   .-. attr(*, "format.stata")= chr "%18.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5
##   .. .-. attr(*, "names")= chr  "Definitely not" "Definitely yes" "Might or might not" "Probably not"
##   $ rally          : 'haven_labelled' num  0 0.5 0.25 0.5 1 0.75 1 0 0 0 ...
##   .-. attr(*, "label")= chr  "Plans to attend rally etc."
##   .-. attr(*, "format.stata")= chr "%18.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5
##   .. .-. attr(*, "names")= chr  "Definitely not" "Definitely yes" "Might or might not" "Probably not"
##   $ voting         : 'haven_labelled' num  1 1 1 1 1 0.75 1 1 1 1 ...
##   .-. attr(*, "label")= chr  "Plans to vote in 2020"
##   .-. attr(*, "format.stata")= chr "%18.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5
##   .. .-. attr(*, "names")= chr  "Definitely not" "Definitely yes" "Might or might not" "Probably not"
##   $ trust1r        : 'haven_labelled' num  2 1 2 3 2 4 2 2 4 2 ...
##   .-. attr(*, "format.stata")= chr "%19.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5
##   .. .-. attr(*, "names")= chr  "About half the time" "Always" "Most of the time" "Never" ...
##   $ trust_spe      : num  0.25 0 0.25 0.5 0.25 0.75 0.25 0.25 0.75 0.25 ...
##   .-. attr(*, "format.stata")= chr "%9.0g"
##   $ trust2r        : 'haven_labelled' num  2 1 2 2 2 5 2 1 4 2 ...
##   .-. attr(*, "format.stata")= chr "%19.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5
##   .. .-. attr(*, "names")= chr  "About half the time" "Always" "Most of the time" "Never" ...
##   $ trust_dif      : num  0.25 0 0.25 0.25 0.25 1 0.25 0 0.75 0.25 ...
##   .-. attr(*, "format.stata")= chr "%9.0g"
##   $ trust          : num  0.286 0 0.286 0.429 0.286 ...
##   .-. attr(*, "format.stata")= chr "%9.0g"
##   $ ideology       : 'haven_labelled' num  2 2 6 2 1 2 1 1 7 3 ...
##   .-. attr(*, "format.stata")= chr "%22.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5 6 7
##   .. .-. attr(*, "names")= chr  "Extremely liberal" "Liberal" "Somewhat liberal" "Moderate" ...
##   $ edu            : 'haven_labelled' num  4 4 7 5 2 1 5 3 4 2 ...
##   .-. attr(*, "format.stata")= chr "%70.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5 6 7
##   .. .-. attr(*, "names")= chr  "High school graduate" "Some college but no degree" "Associates Degree"
##   $ redu           : num  4 4 5 5 2 1 5 3 4 2 ...
##   .-. attr(*, "format.stata")= chr "%9.0g"
##   $ anxiety1       : 'haven_labelled' num  1 1 1 2 1 4 2 3 3 2 ...
##   .-. attr(*, "label")= chr  "Worried"
##   .-. attr(*, "format.stata")= chr "%17.0g"
##   .-. attr(*, "labels")= Named num  1 2 3 4 5

```

```

## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ anxiety2 : 'haven_labelled' num 1 1 1 2 1 1 2 2 2 ...
## ..- attr(*, "label")= chr "Anxious"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ anxiety3 : 'haven_labelled' num 1 1 1 1 1 3 2 1 2 1 ...
## ..- attr(*, "label")= chr "Fear"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ emotion1 : 'haven_labelled' num 4 3 4 3 3 5 3 1 2 3 ...
## ..- attr(*, "label")= chr "Hope"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ emotion2 : 'haven_labelled' num 1 1 1 2 1 1 4 1 1 1 ...
## ..- attr(*, "label")= chr "Anger"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ emotion3 : 'haven_labelled' num 3 1 3 3 1 1 3 1 1 1 ...
## ..- attr(*, "label")= chr "Excited"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ emotion4 : 'haven_labelled' num 2 1 1 2 1 1 3 1 2 2 ...
## ..- attr(*, "label")= chr "Irritated"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ emotion5 : 'haven_labelled' num 4 3 3 2 1 2 3 1 1 1 ...
## ..- attr(*, "label")= chr "Enthusiastic"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ emotion6 : 'haven_labelled' num 1 1 1 3 1 1 3 1 1 1 ...
## ..- attr(*, "label")= chr "Upset"
## ..- attr(*, "format.stata")= chr "%17.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5
## ..- attr(*, "names")= chr "A great deal" "A little" "A lot" "A moderate amount" ...
## $ anxiety : num 0 0 0 0.167 0 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ registered : 'haven_labelled' num 3 3 3 3 3 3 3 3 3 3 ...
## ..- attr(*, "format.stata")= chr "%10.0g"
## ..- attr(*, "labels")= Named num 1 2 3
## ..- attr(*, "names")= chr "Don't know" "No" "Yes"
## $ voted : 'haven_labelled' num 2 2 2 2 2 2 2 2 2 2 ...
## ..- attr(*, "format.stata")= chr "%12.0g"
## ..- attr(*, "labels")= Named num 1 2 3
## ..- attr(*, "names")= chr "Don't recall" "No" "Yes"
## $ ethnicity : 'haven_labelled' num 6 6 1 7 6 4 6 7 6 6 ...
## ..- attr(*, "format.stata")= chr "%65.0g"
## ..- attr(*, "labels")= Named num 1 2 3 4 5 6 7 8 9 10

```

```
## ..- attr(*, "names")= chr "Asian" "Black" "Black/White" "Hispanic" ...
## $ open_exp : num 0.28 0.2 0.6 0.52 0.52 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ consc : num 0.478 0.261 0.478 0.609 0.391 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ extraversion : num 0.84 0.4 0.48 0.56 0.96 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ agreeable : num 0.391 0.391 0.522 0.652 0.304 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ stability : num 0.36 0.2 0.4 0.64 0.2 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ log_open_exp : num 2.09e-01 1.38e-16 6.83e-01 5.94e-01 5.94e-01 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ log_consc : num 0.517 0.119 0.517 0.675 0.385 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ log_extraversion: num 0.892 0.431 0.544 0.64 0.975 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ log_agreeable : num 0.385 0.385 0.574 0.72 0.22 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
## $ log_stability : num 3.65e-01 1.38e-16 4.31e-01 7.23e-01 1.38e-16 ...
## ..- attr(*, "format.stata")= chr "%9.0g"
```

```
#Viewing the data in a spread sheet
#View(TRUST_TAKE_x)
#Looking at specific variables that are important to the theory
summary(TRUST_TAKE_x$anxiety) #level of anxiety
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.     NA's
## 0.0000 0.0000 0.1667 0.2274 0.4167 1.0000         2
```

```
summary(TRUST_TAKE_x$trust) #level of political trust
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.0000 0.2857 0.2857 0.4136 0.5714 1.0000
```

```
summary(TRUST_TAKE_x$donate) #willing to donate to a campaign
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.     NA's
## 0.0000 0.0000 0.2500 0.3237 0.5000 1.0000         1
```

```
summary(TRUST_TAKE_x$rally) #willing to attend a rally
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.     NA's
## 0.0000 0.0000 0.2500 0.3175 0.5000 1.0000         1
```

```
summary(TRUST_TAKE_x$voting) #willing to vote in 2020
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.     NA's
## 0.0000 0.7500 1.0000 0.8838 1.0000 1.0000         1
```

```
summary(TRUST_TAKE_x$clicked_out) #contacting your representative, only 4 clicked the link
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.0000 0.0000 0.0000 0.0199 0.0000 1.0000
```

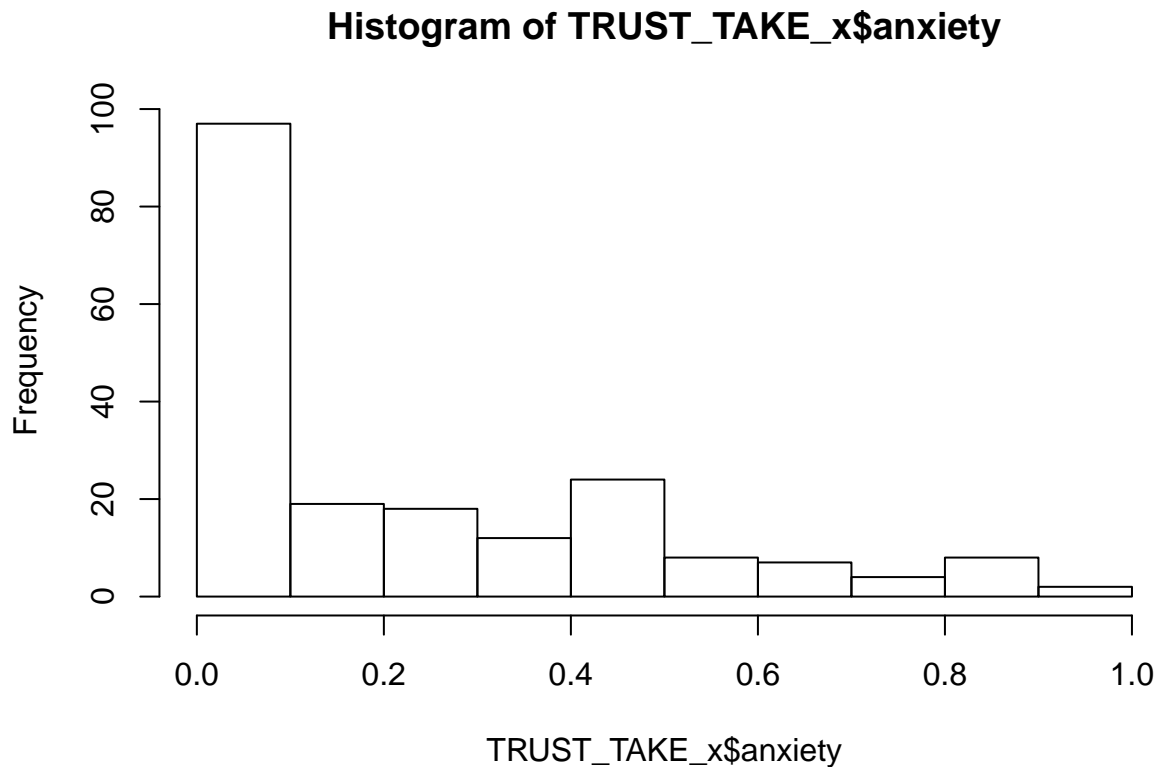
```
#Creating the interaction variable
```

```
TRUST_TAKE_x$anxtrust <- TRUST_TAKE_x$anxiety * TRUST_TAKE_x$trust
summary(TRUST_TAKE_x$anxtrust)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.   NA's
## 0.00000 0.00000 0.02381 0.11360 0.18452 0.83333      2
```

```
#histogram of some of the variables of interest
```

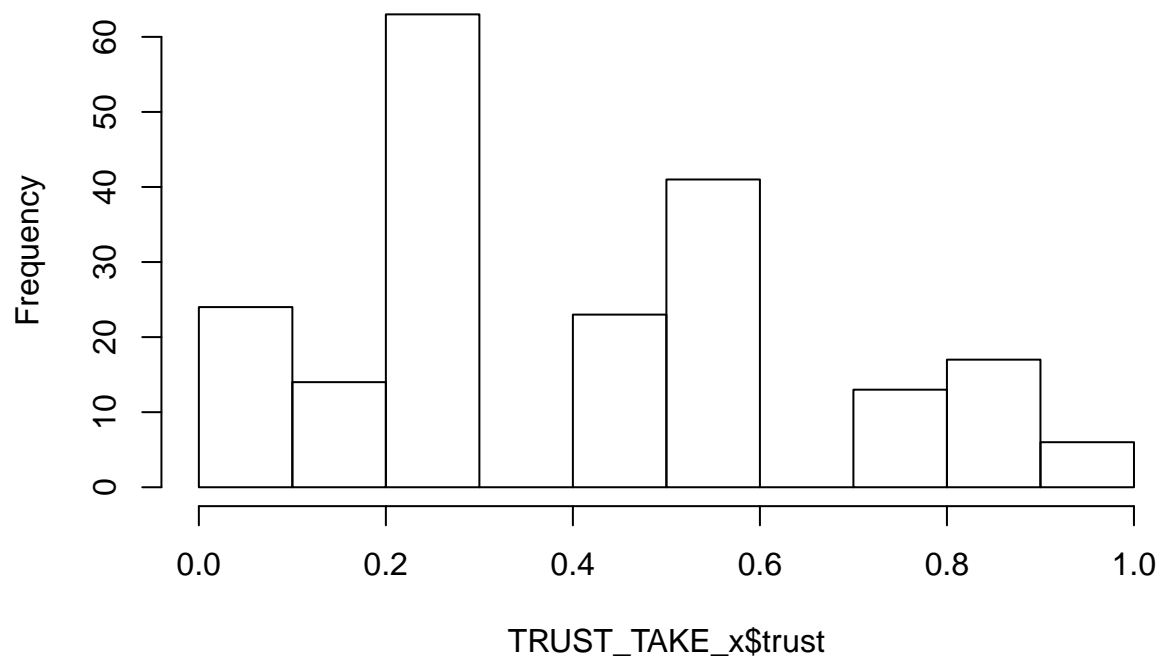
```
hist(TRUST_TAKE_x$anxiety)
```



```
#We would like two clear groupings on the high and low end that represents those in the  
#treatment condition and those in the control. The treatment was not significant  
#on anxiety so we would not see that
```

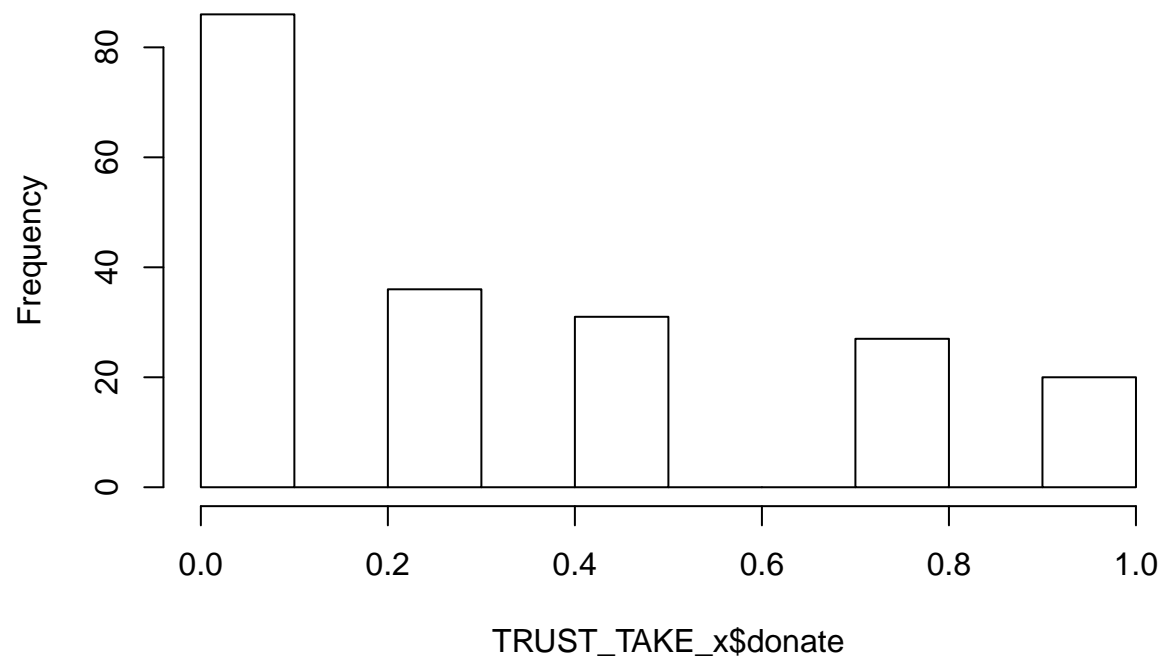
```
hist(TRUST_TAKE_x$trust)
```

Histogram of TRUST_TAKE_x\$trust



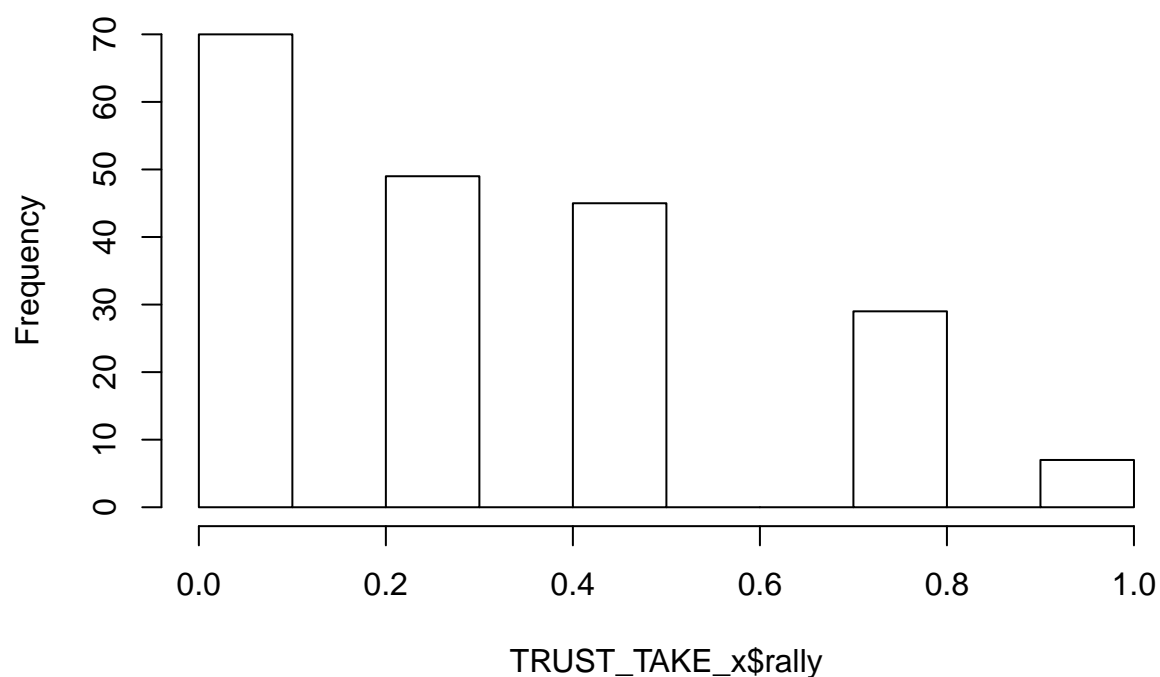
```
#This variable was created by adding specific and diffuse trust in the government and scaling  
#the variable  
hist(TRUST_TAKE_x$donate)
```


Histogram of TRUST_TAKE_x\$donate



```
hist(TRUST_TAKE_x$rally)
```

Histogram of TRUST_TAKE_x\$rally

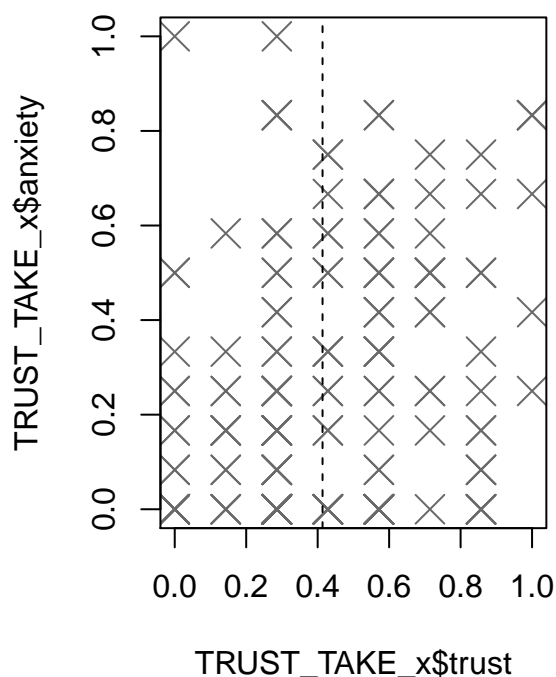
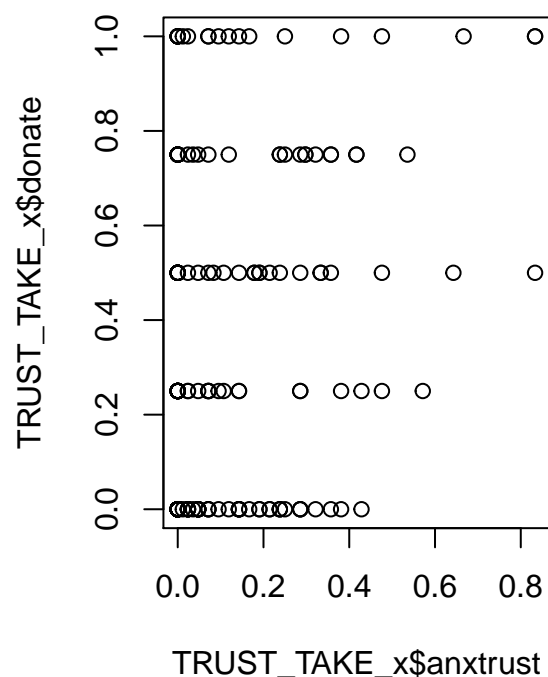


```
cor(TRUST_TAKE_x$anxtrust, TRUST_TAKE_x$donate) #is this supposed to just return NA? or only when the r
```

```
## [1] NA
```

```
par(mfrow=c(1,2)) # I am more so just playing with this at this point  
plot(TRUST_TAKE_x$anxtrust, TRUST_TAKE_x$donate)
```

```
plot(TRUST_TAKE_x$trust, TRUST_TAKE_x$anxiety, col="dimgray", cex=2, pch=4)  
abline(h=mean(TRUST_TAKE_x$anxiety), lty=2)  
abline(v=mean(TRUST_TAKE_x$trust), lty=2)
```



#Problem 2

```
m_ols <-lm(donate ~ anxtrust + anxiety + trust, data=TRUST_TAKE_x)
summary(m_ols)
```

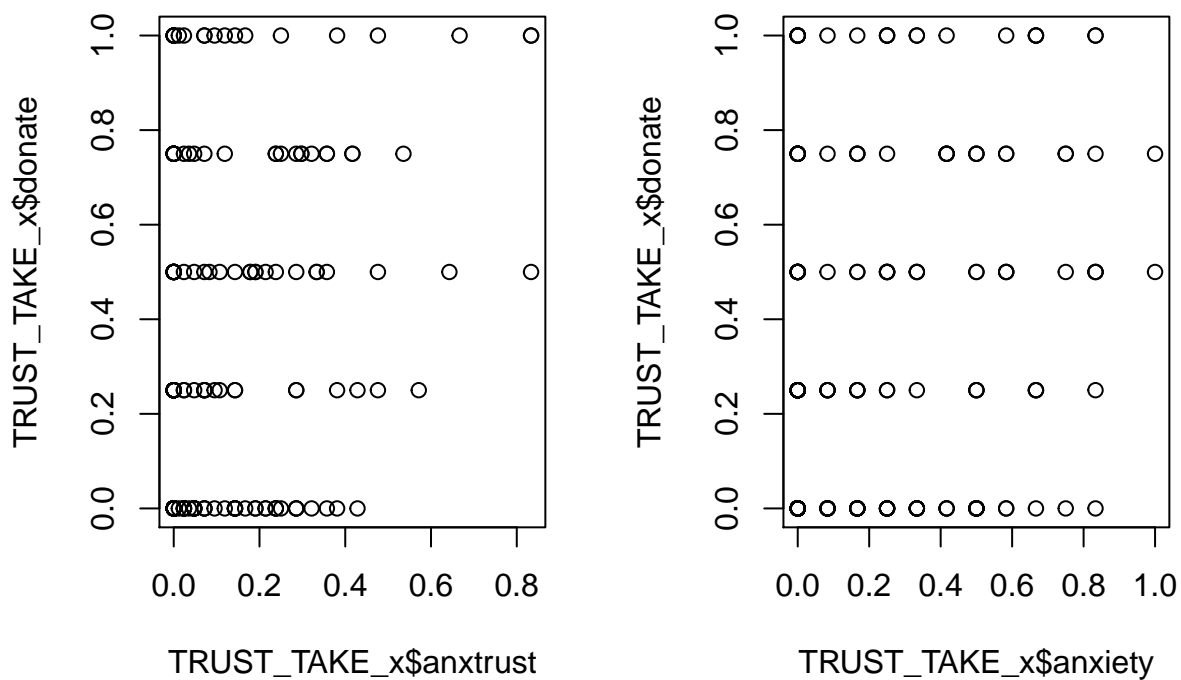
```
##
## Call:
## lm(formula = donate ~ anxtrust + anxiety + trust, data = TRUST_TAKE_x)
##
## Residuals:
## <Labelled double>: Plans to donate to a campaign
##      Min       1Q   Median       3Q      Max
## -0.49732 -0.26167 -0.04519  0.24661  0.75488
##
## Labels:
##  value      label
##    1    Definitely not
##    2    Definitely yes
##    3  Might or might not
##    4    Probably not
##    5    Probably yes
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.26167    0.05559   4.707 4.76e-06 ***
## anxtrust     0.57251    0.32837   1.743  0.0828 .
## anxiety      0.03024    0.17861   0.169  0.8657
```

```
## trust      -0.02896    0.12620   -0.230    0.8187
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.3362 on 195 degrees of freedom
## (2 observations deleted due to missingness)
## Multiple R-squared:  0.08318,    Adjusted R-squared:  0.06908
## F-statistic: 5.897 on 3 and 195 DF,  p-value: 0.0007141
```

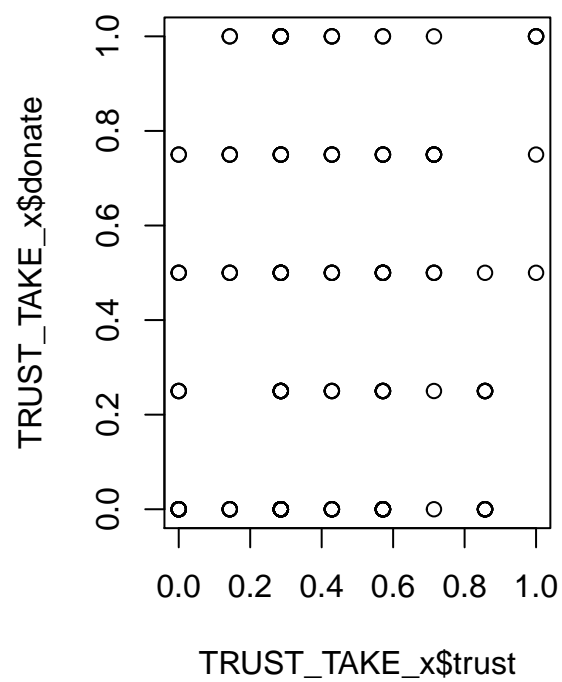
```
range(TRUST_TAKE_x$anxtrust)
```

```
## [1] NA NA
```

```
#xrange <- seq(from=0, 1, by=0.001)
#pred_prob <- predict(m_ols, list(anxtrust = xrange), type="response")
plot(TRUST_TAKE_x$donate ~ TRUST_TAKE_x$anxtrust + TRUST_TAKE_x$anxiety + TRUST_TAKE_x$trust)
```



```
#lines(pred_prob ~ xrange, col="red")
```



Matthew and I did not find significant results and so choosing a visual was difficult. IN my scratch homework I experimented with other visual forms but could not get them to work well.