GAY ANES

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Abstract

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setup

```
# Libraries

## Install Most Current Version

library(devtools)#;dev_mode(on=T)

#install_github("LiveOak/NlsyLinks")

#install_github("harrelfe/Hmisc");dev_mode(on=F)

## Attach Remaining

library(NlsyLinks)

library(readr)

## Warning: package 'readr' was built under R version 3.4.2

library(MplusAutomation);library(qlcMatrix)

## Warning: package 'MplusAutomation' was built under R version 3.4.2

## Warning: package 'qlcMatrix' was built under R version 3.4.2
```

```
## Loading required package: Matrix

## Loading required package: slam

library(matrixStats);library(plyr)

## Warning: package 'matrixStats' was built under R version 3.4.2

## Warning: package 'plyr' was built under R version 3.4.2

##
## Attaching package: 'plyr'

## The following object is masked from 'package:matrixStats':
##
##    count

#

# File Structure

file_drive= "C:"

file_drive="E:"
```

```
directory = paste0(file_drive,"/Dropbox/Lab/Research/Projects/Current/ANES-Changes")

#

content_folder = paste0(directory,"/Common/content")

data_folder = paste0(content_folder,"/data")

mplus_folder = paste0(content_folder,"/analyses/mplus")

r_folder = paste0(content_folder,"/analyses/r/")

tables_folder = paste0(content_folder,"/tables")

slides_folder = paste0(content_folder,"/slides")

writing_folder = paste0(content_folder,"/writing")


# Functions

source(paste0(directory,"/Common/content/functions/r/MasonHelperFunctions.R"))


##error function
```

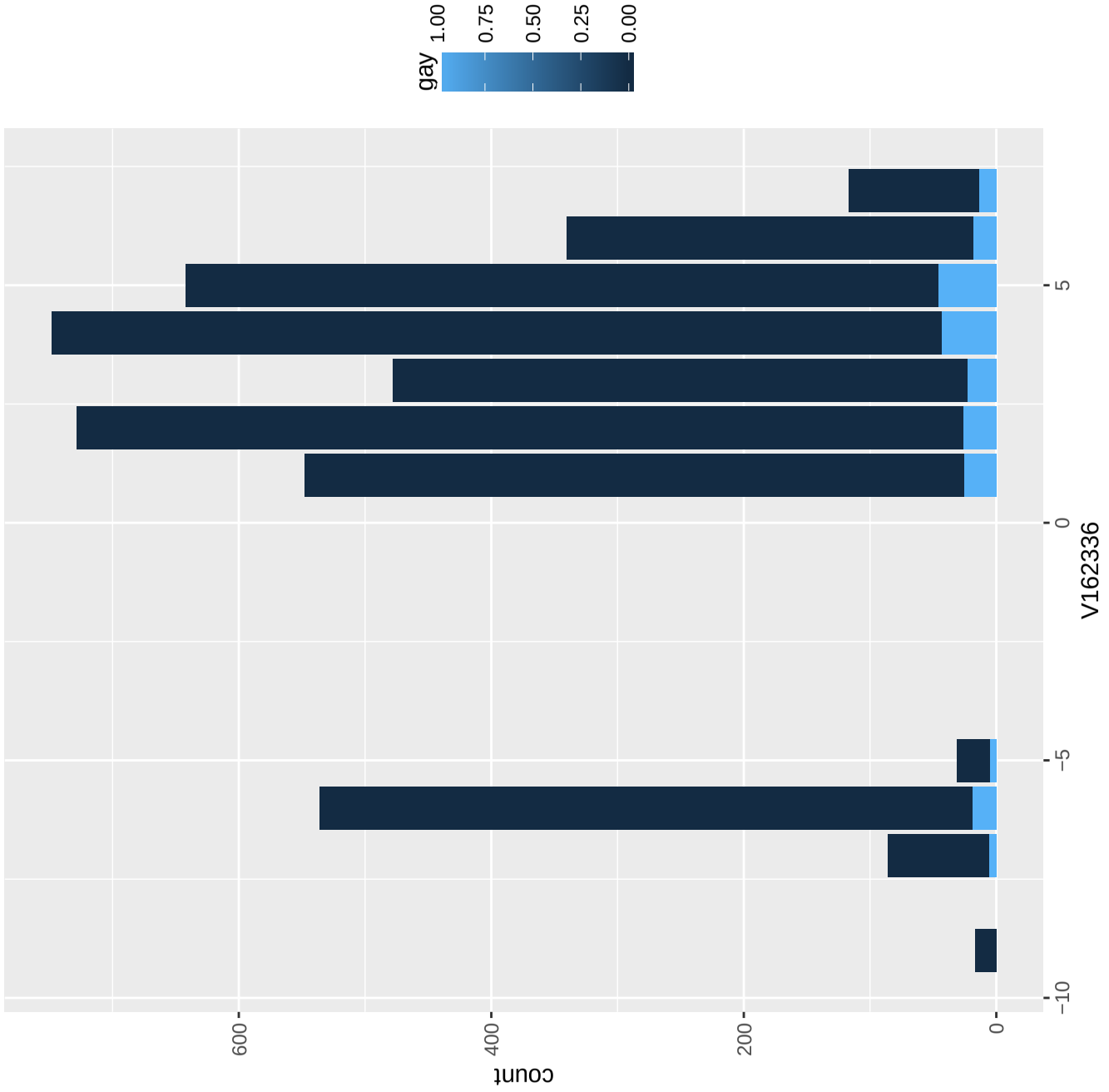
```
efunc <- function(error){
  return(NA)
  # You can check the error if you want
  # print(error)
}
```

```
library(haven)

library(ggplot2);library(Hmisc)

## Loading required package: lattice

## Loading required package: survival

## Loading required package: Formula

##
## Attaching package: 'Hmisc'

## The following object is masked _by_ '.GlobalEnv':
##
```

```
##    Mean

## The following objects are masked from 'package:plyr':
##
##    is.discrete, summarize

## The following objects are masked from 'package:base':
##
##    format.pval, round.POSIXt, trunc.POSIXt, units
anes <- read_sav(paste0(directory,"/Common/content/data/anes_timeseries_2016.sav"))


anes$gay=0


anes$gay[anes$V161511>1]=1


anes$V161270[anes$V161270>16]=NA


anes$party_pres_vote=as.numeric(NA)

anes$party_pres_vote[anes$V161064x==10]=1
```

```
anes$party_pres_vote[anes$V161064x==11]=0

anes$party_pres_vote[anes$V161064x==12]=.5

anes$party_pres_vote[anes$V161064x==20]=1

anes$party_pres_vote[anes$V161064x==21]=0

anes$party_pres_vote[anes$V161064x==22]=.5


anes$party_pres_vote[anes$V161064x==30]=1

anes$party_pres_vote[anes$V161064x==31]=0

anes$party_pres_vote[anes$V161064x==32]=.5

anes$party_pres_vote=as.factor(anes$party_pres_vote)

anes_na=anes

anes_na[anes_na < 0] <- NA

## Warning in Ops.factor(left, right): '<' not meaningful for factors

ggplot(data=anes, aes(x = V162336, group = gay))+geom_bar(aes(fill =gay))
```

```
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
```


gay
1.00
0.75
0.50
0.25
0.00
count
600
400
200
0
V162336
−10
−5
0
5

```
######gay

lm(data=anes_na,V162336~gay)

##
## Call:
## lm(formula = V162336 ~ gay, data = anes_na)
##
## Coefficients:
## (Intercept)          gay
##       3.449        0.403

# fear

summary(lm(data=anes_na,V161123~gay))


##
## Call:
## lm(formula = V161123 ~ gay, data = anes_na)
##
## Residuals:
```

```
## PRE: Affect for Republican Pres cand: afraid
##    Min     1Q Median     3Q    Max
## -2.655 -1.805 -0.655  1.195  2.195
##
## Coefficients:
##             Estimate Std. Error t value
## (Intercept)   2.8051     0.0239  117.32
## gay           0.8498     0.1037    8.19
##                          Pr(>|t|)
## (Intercept) < 0.0000000000000002 ***
## gay          0.00000000000000034 ***
## ---
## Signif. codes:
## 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.5 on 4252 degrees of freedom
##   (17 observations deleted due to missingness)
## Multiple R-squared:  0.0155,Adjusted R-squared:  0.0153
## F-statistic: 67.1 on 1 and 4252 DF,  p-value: 0.000000000000000337
```

```
#anger

summary(lm(data=anes_na, V161121~gay))
```

```
## ---
## Signif. codes:
## 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.5 on 4255 degrees of freedom
##   (14 observations deleted due to missingness)
## Multiple R-squared:  0.0183,Adjusted R-squared:  0.018
## F-statistic: 79.2 on 1 and 4255 DF,  p-value: <0.0000000000000002
```

```
#disgust
```

```
summary(lm(data=anes_na, V161125~gay))
```

```
##
## Call:
## lm(formula = V161125 ~ gay, data = anes_na)
##
## Residuals:
## PRE: Affect for Republican Pres cand: disgusted
##     Min      1Q  Median      3Q     Max
```

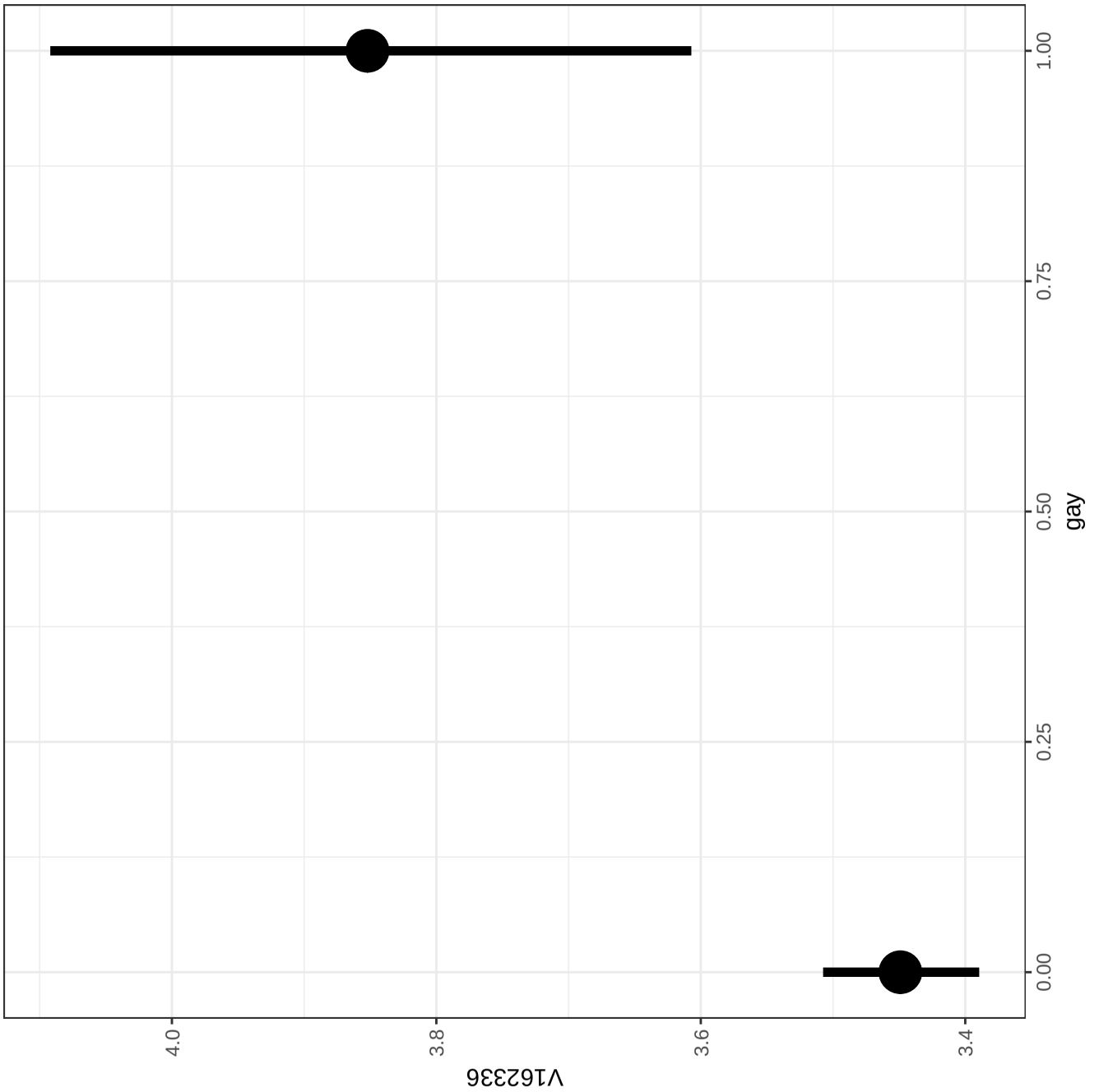
```
## -3.0398 -1.0798 -0.0798  0.9602  1.9202
##
## Coefficients:
##             Estimate Std. Error t value            Pr(>|t|)
## (Intercept)   3.0798     0.0233  132.38 <0.0000000000000002
## gay           0.9600     0.1010    9.51 <0.0000000000000002
##
## (Intercept) ***
## gay         ***
## ---
## Signif. codes:
## 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.5 on 4257 degrees of freedom
##   (12 observations deleted due to missingness)
## Multiple R-squared:  0.0208,Adjusted R-squared:  0.0206
## F-statistic: 90.3 on 1 and 4257 DF,  p-value: <0.0000000000000002
```

```
#hope V161122
```

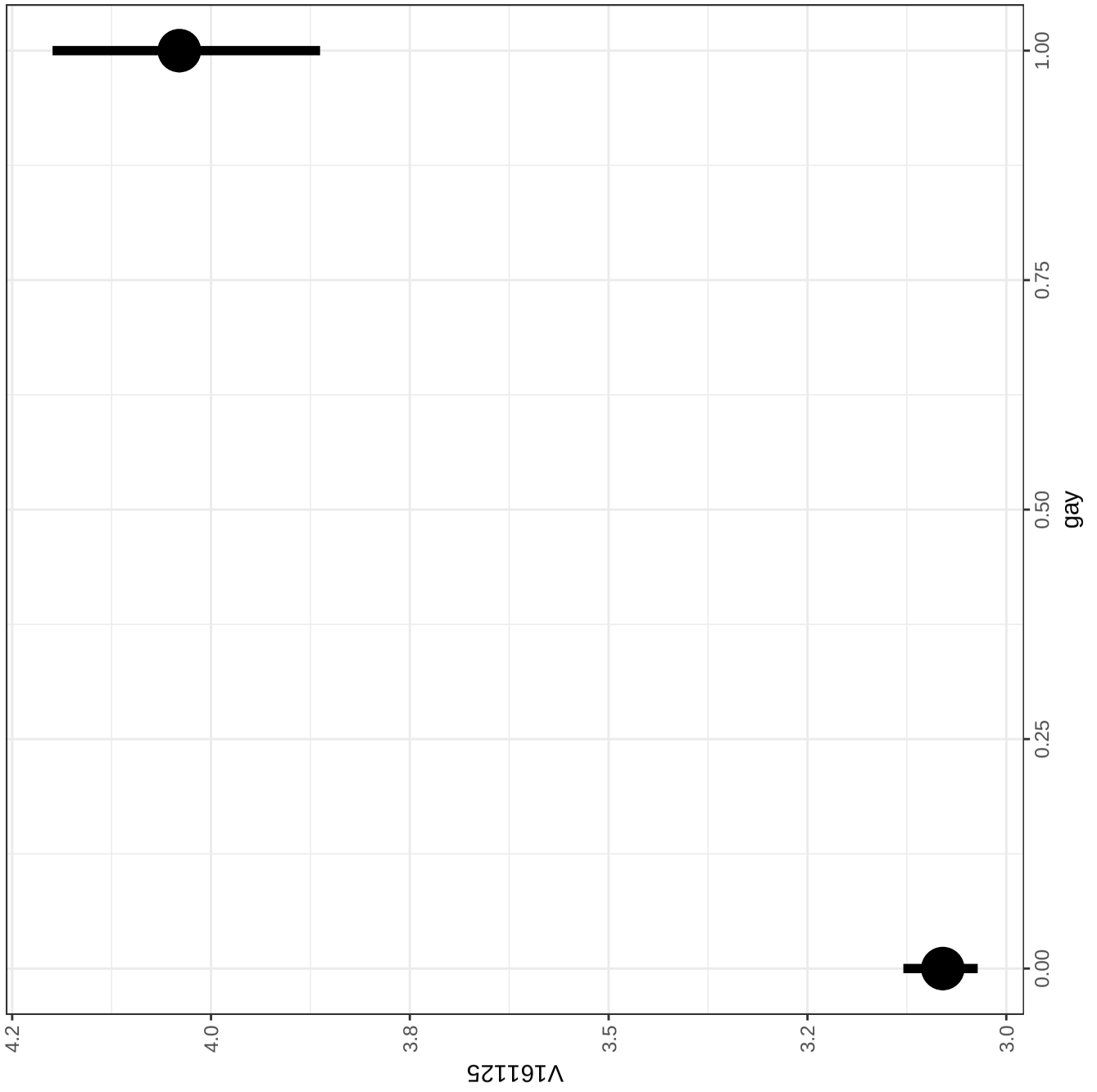
```
summary(lm(data=anes_na, V161122~gay))
```

```
##
## Call:
## lm(formula = V161122 ~ gay, data = anes_na)
##
## Residuals:
## PRE: Affect for Republican Pres cand: hopeful
##    Min     1Q Median     3Q    Max
## -1.155 -1.155 -0.155  0.845  3.487
##
## Coefficients:
##             Estimate Std. Error t value
## (Intercept)   2.1547     0.0209  102.91
## gay          -0.6414     0.0909   -7.06
##                          Pr(>|t|)
## (Intercept) < 0.0000000000000002 ***
## gay                0.000000000002 ***
## ---
## Signif. codes:
## 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
```

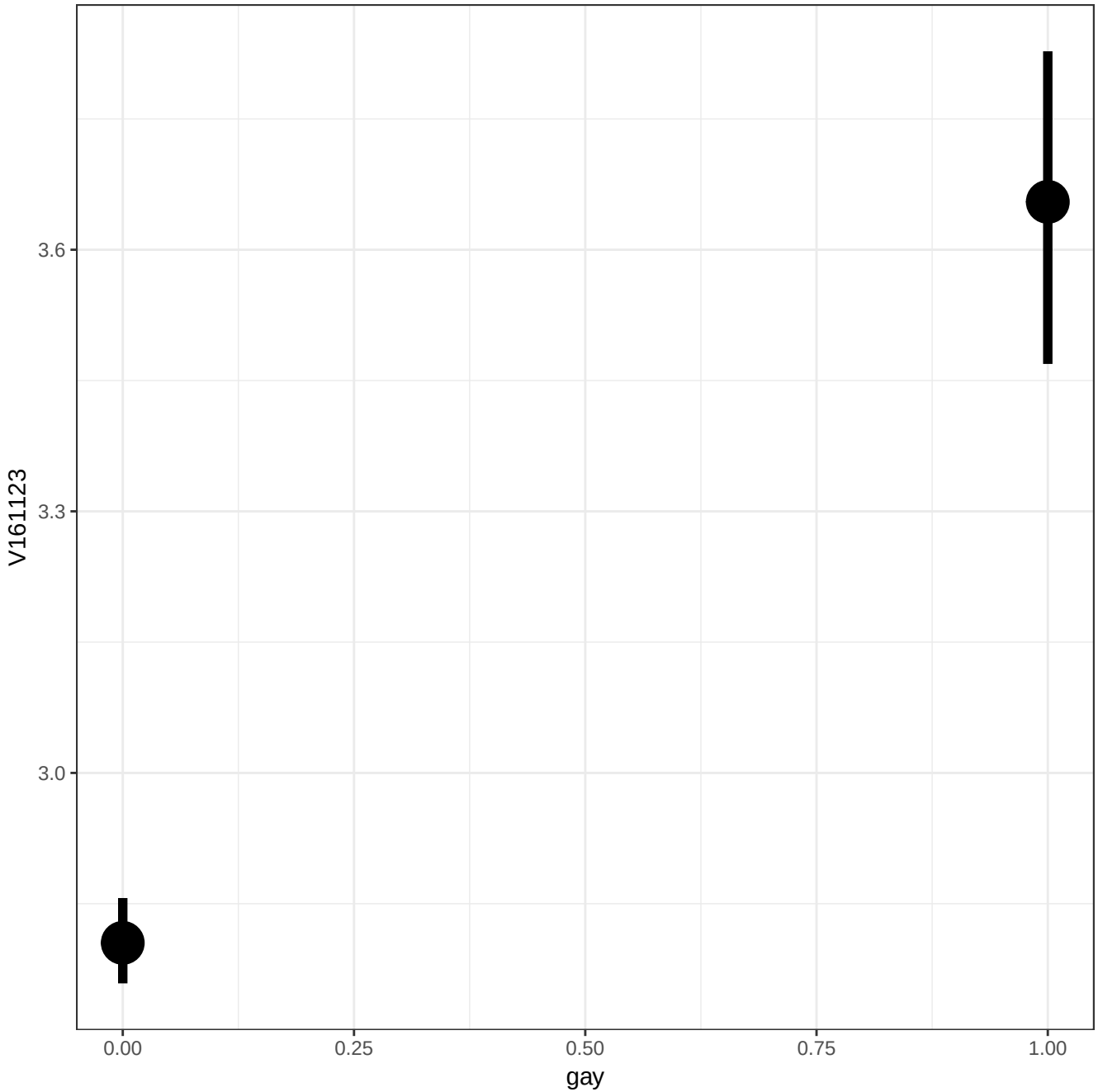
```
## Residual standard error: 1.3 on 4258 degrees of freedom
##   (11 observations deleted due to missingness)
## Multiple R-squared:  0.0116,Adjusted R-squared:  0.0113
## F-statistic: 49.8 on 1 and 4258 DF,  p-value: 0.00000000000199

## 'anxious, easily upset', low scores less anxious

ggplot(data=anes_na,aes(y=V162336,x=gay))+ stat_summary(fun.data = "mean_cl_boot",
   size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 670 rows containing non-finite values
## (stat_summary).
```


gay
1.00
0.75
0.50
0.25
0.00
V162336
4.0
3.8
3.6
3.4

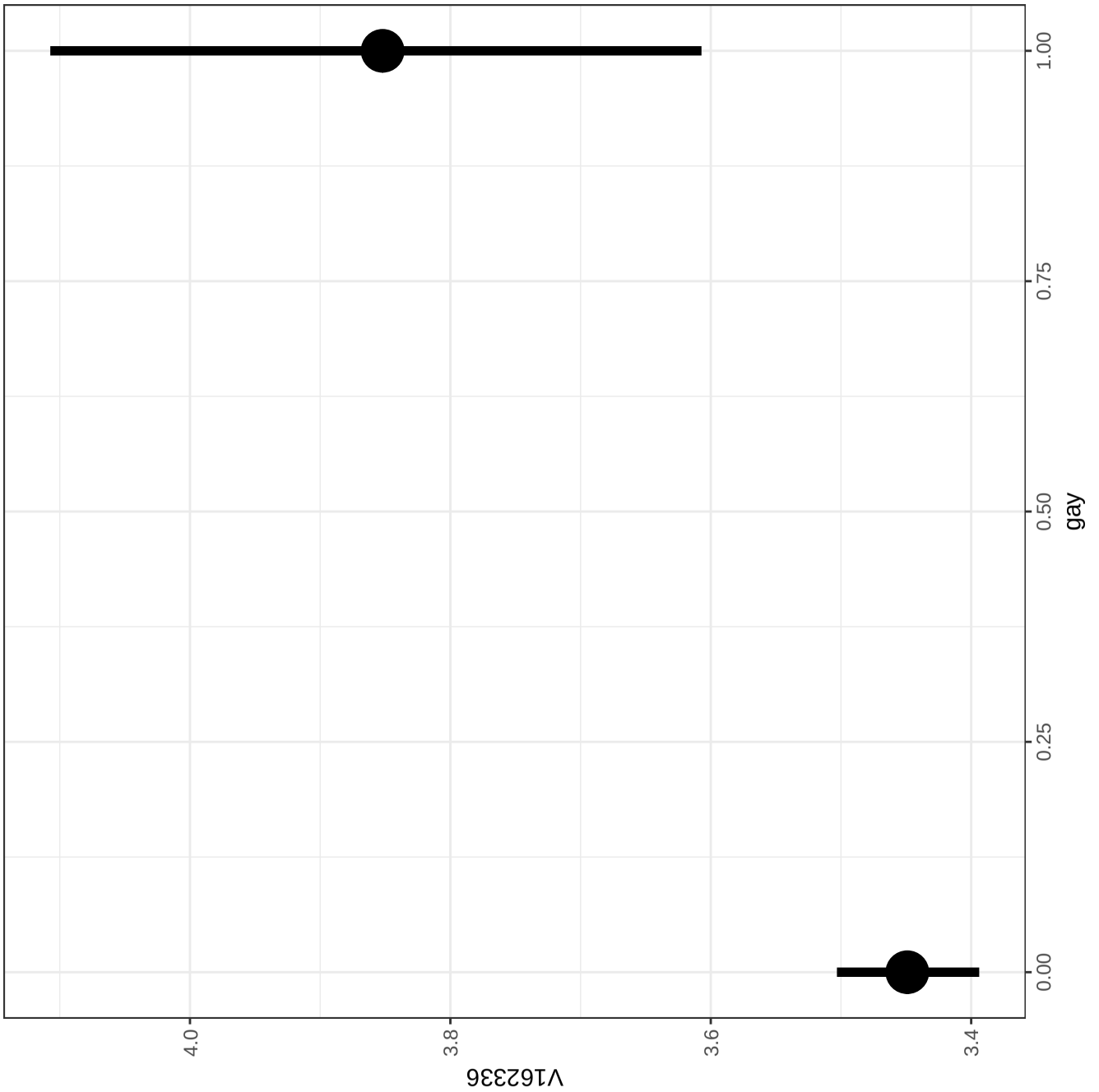
```
## Affect for Republican Pres cand: disgusted

ggplot(data=anes_na,aes(y=V161125,x=gay))+ stat_summary(fun.data = "mean_cl_boot",
   size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 12 rows containing non-finite values
## (stat_summary).
```


4.2
4.0
3.8
3.5
3.2
3.0
V161125
0.00
0.25
0.50
0.75
1.00
gay

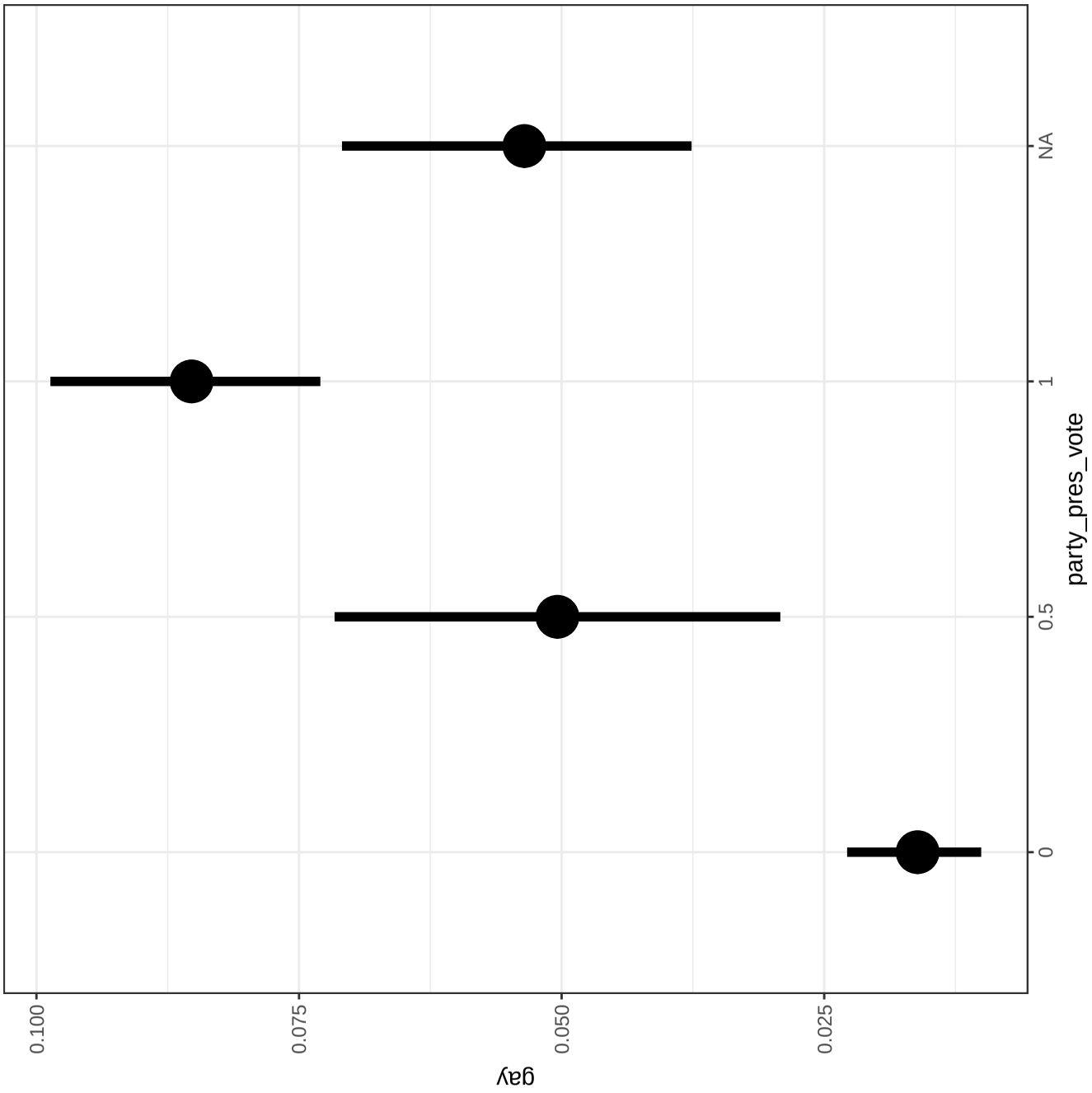
```
## Affect for Republican Pres cand: afraid

ggplot(data=anes_na,aes(y=V161123,x=gay))+ stat_summary(fun.data = "mean_cl_boot",
   size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 17 rows containing non-finite values
## (stat_summary).
```


V161123
3.6
3.3
3.0
0.00
0.25
0.50
0.75
1.00
gay

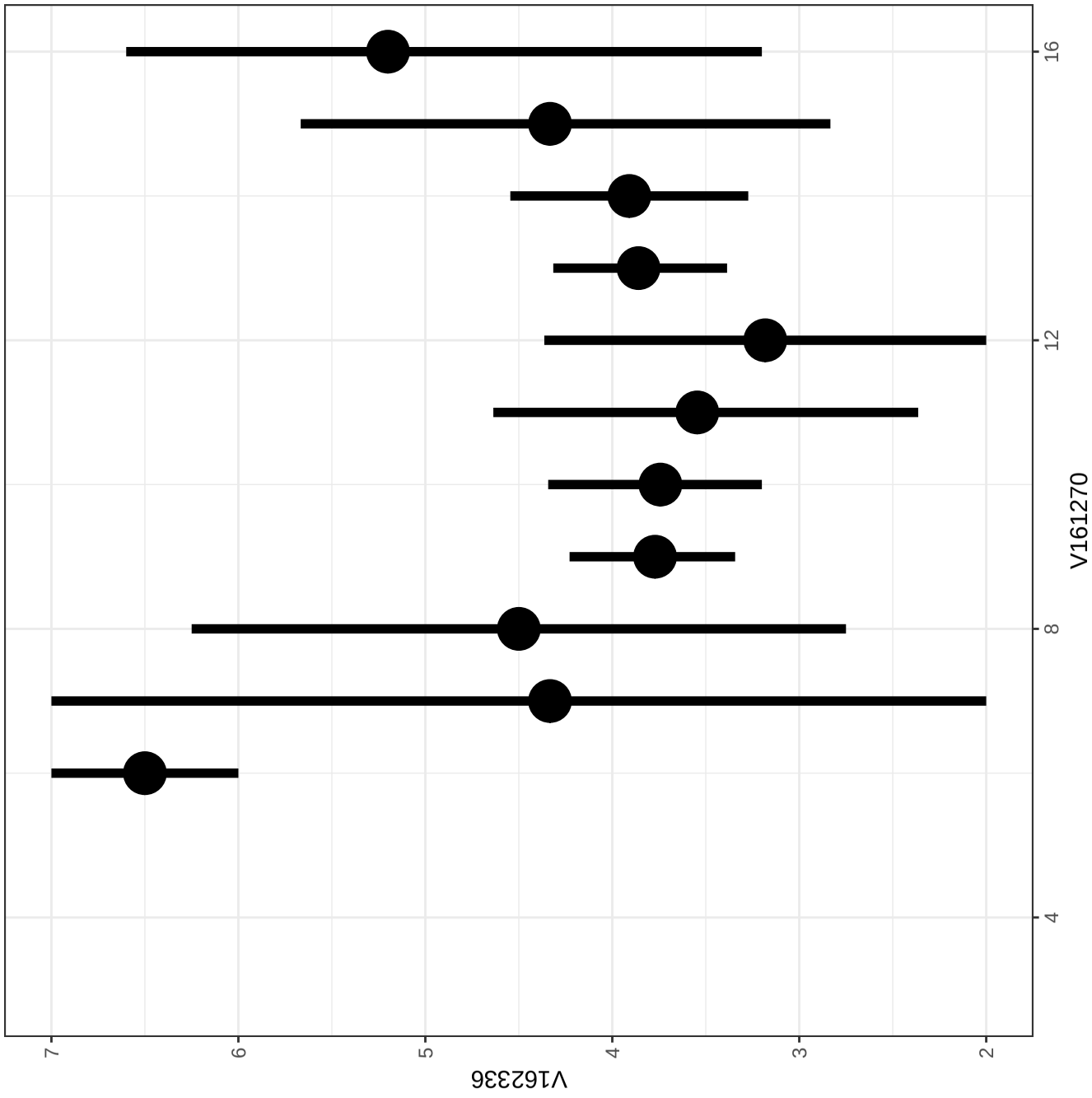
```
#pre election election7pt lib

ggplot(data=anes_na,aes(y=V162336,x=gay))+ stat_summary(fun.data = "mean_cl_boot",
   size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 670 rows containing non-finite values
## (stat_summary).
```


gay
1.00
0.75
0.50
0.25
0.00
V162336
4.0
3.8
3.6
3.4

```
#PRE: SUMMARY - party of Pre-election Presidential vote/intent/preference

ggplot(data=anes_na,aes(x=party_pres_vote,y=gay))+ stat_summary(fun.data = "mean_cl_
   boot", size = 2)+theme_bw()
```


party_pres_vote
NA
1
0.5
0
gay
0.100
0.075
0.050
0.025

```
#education V161270


ggplot(data=anes_na[anes_na$gay==1,],aes(y=V162336,x=V161270))+ stat_summary(fun.data
    = "mean_cl_boot", size = 2)+theme_bw()

## Warning: Removed 33 rows containing non-finite values
## (stat_summary).

## Warning: Removed 2 rows containing missing values
## (geom_pointrange).
```

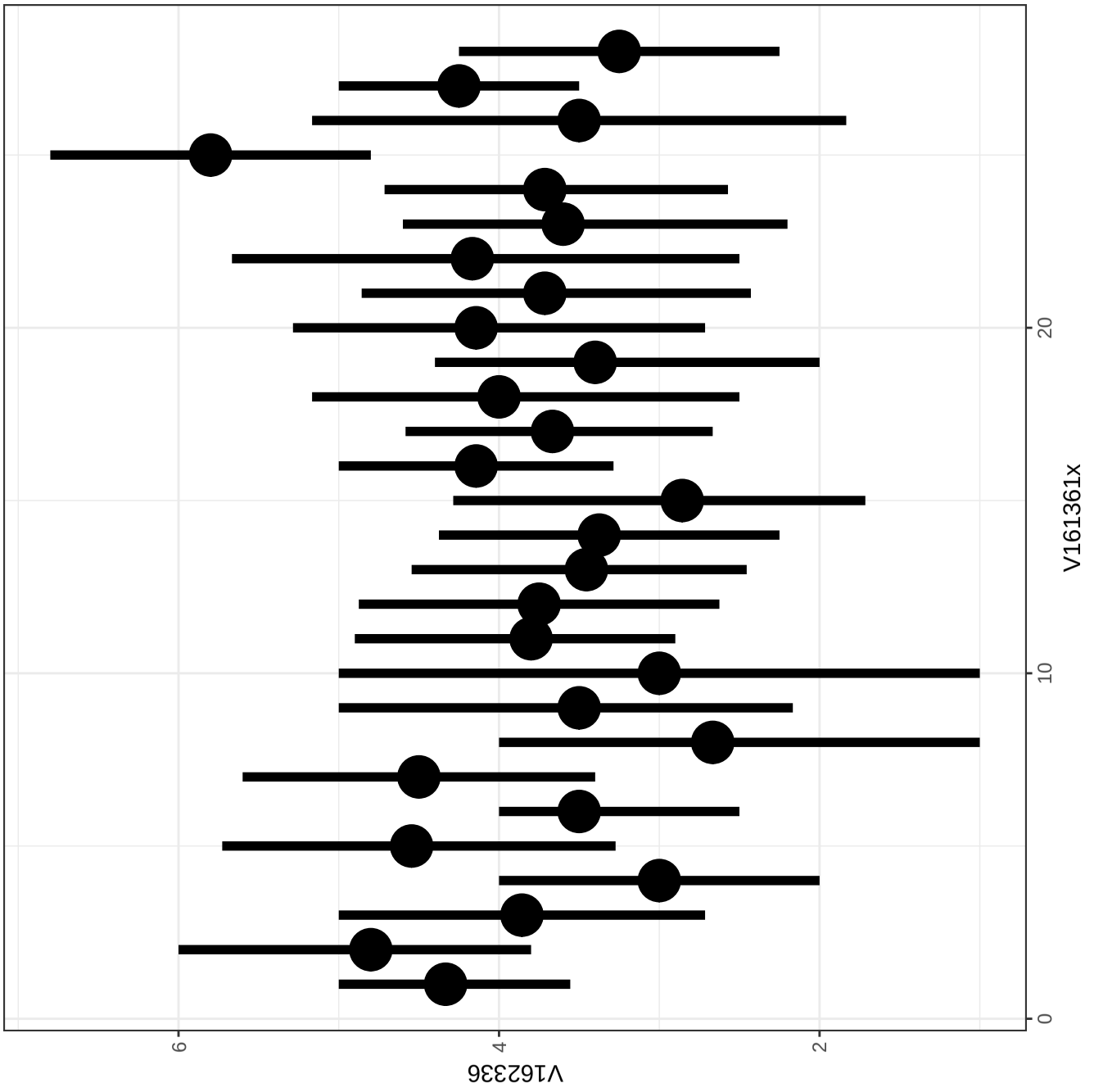

V162336
7
6
5
4
3
2
V161270
16
12
8
4

```
cor(anes_na$V162336[anes_na$gay==1],anes_na$V161270[anes_na$gay==1],use="pairwise.
   complete")
```

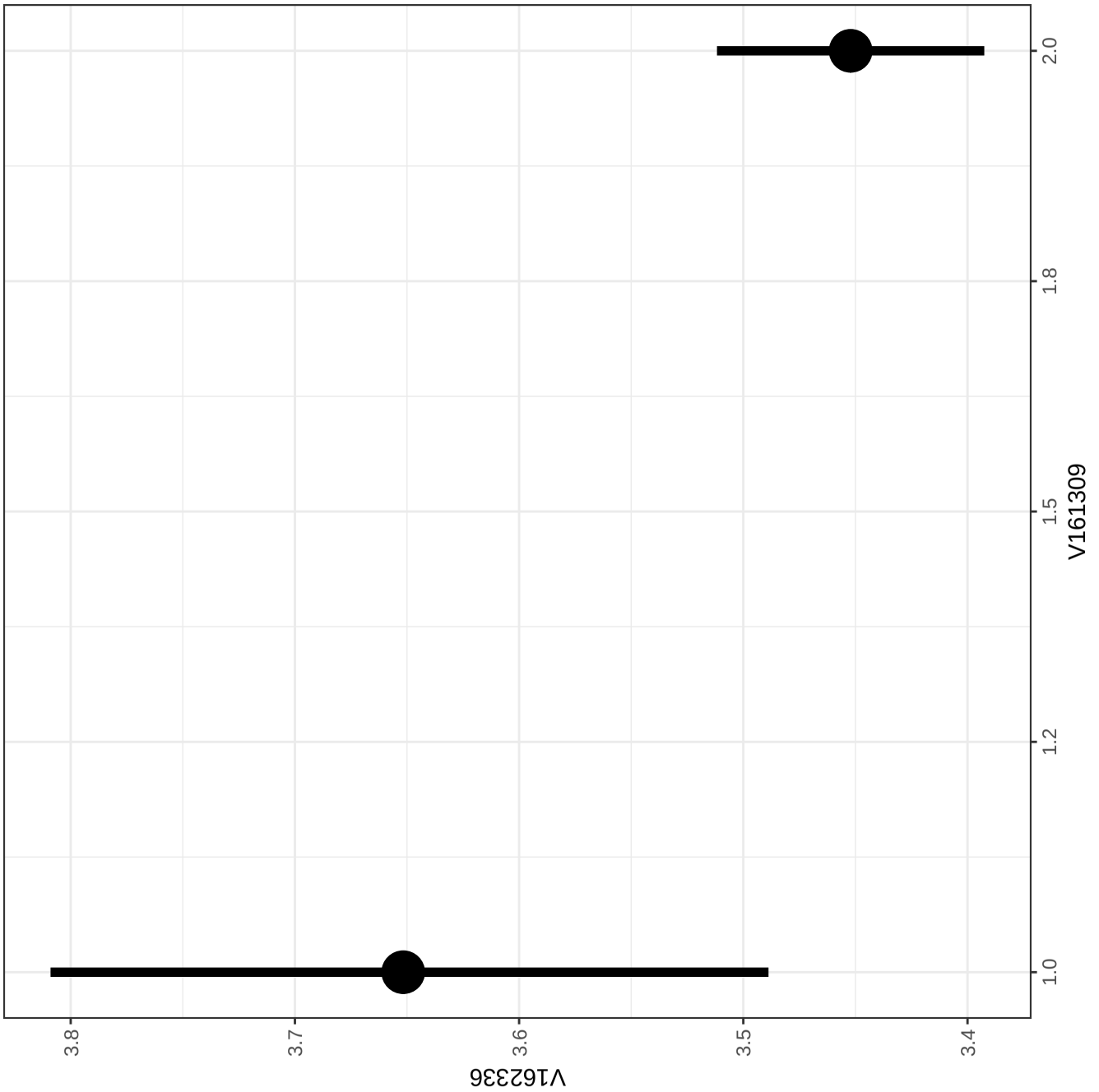
```
## [1] 0.01
```

```
#income V161361x

ggplot(data=anes_na[anes_na$gay==1,],aes(y=V162336,x=V161361x))+ stat_summary(fun.
   data = "mean_cl_boot", size = 2)+theme_bw()
```

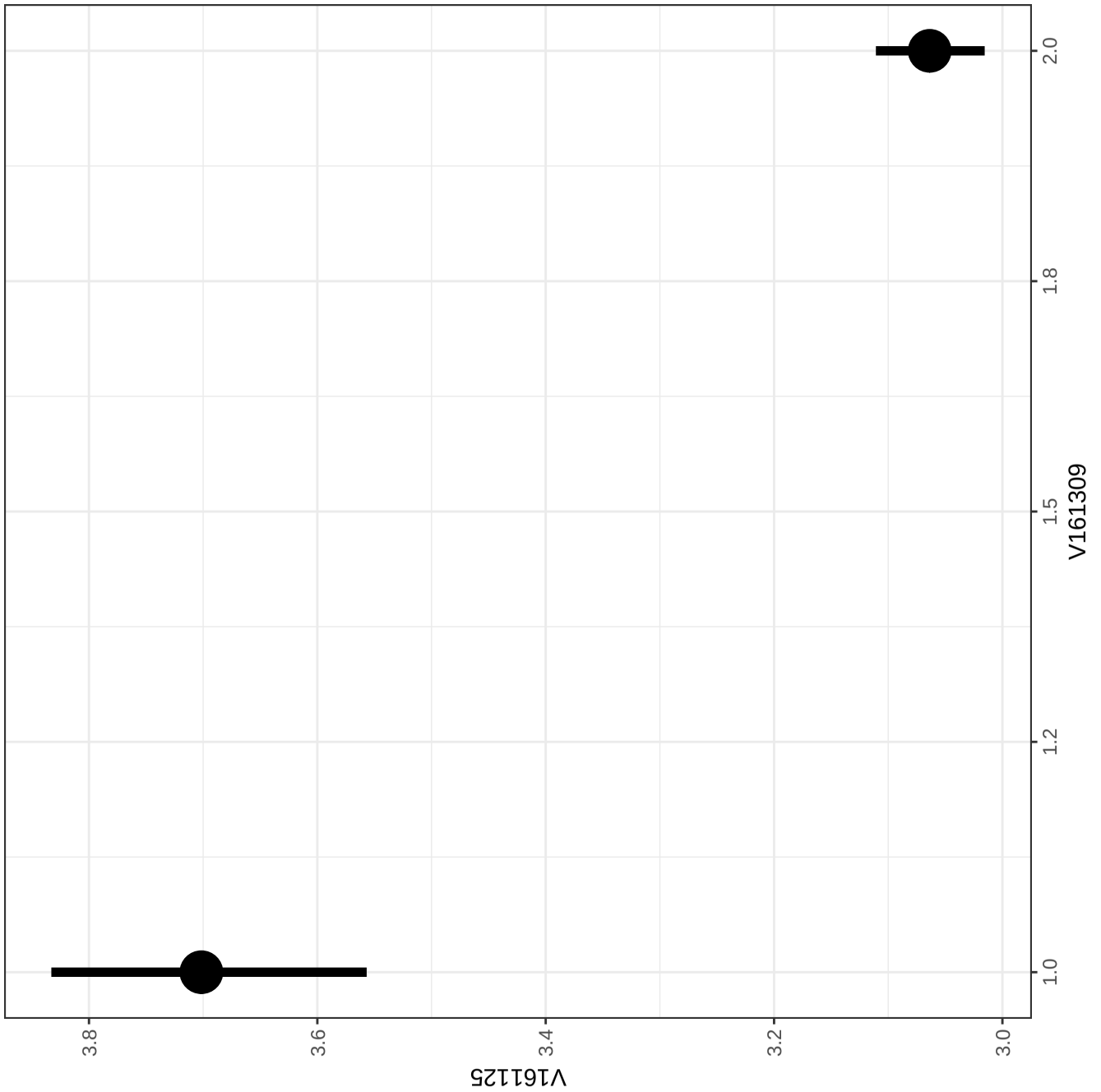
```
## Warning: Removed 31 rows containing non-finite values
## (stat_summary).
```


V162336
6
4
2
V161361x
0
10
20

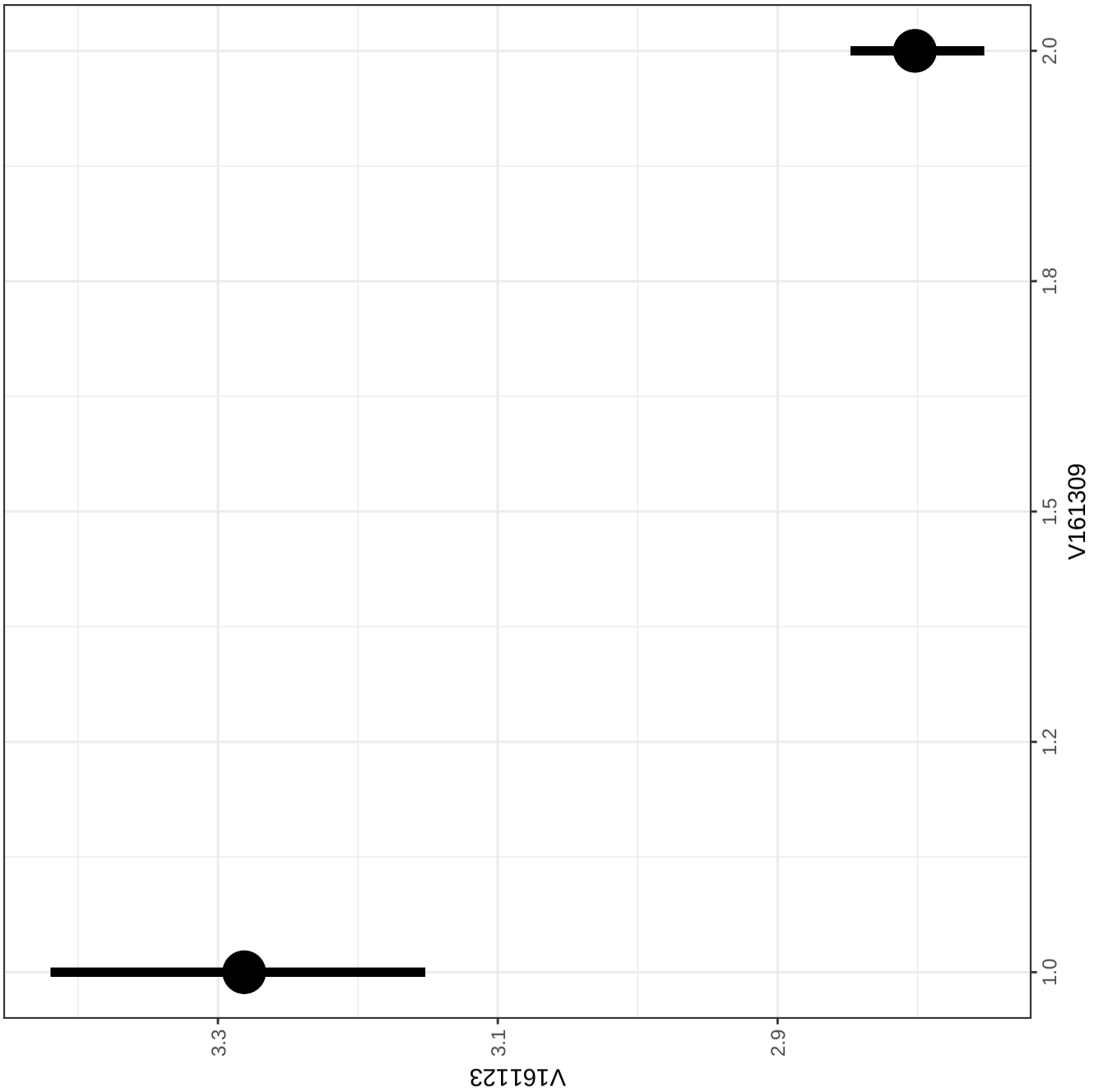
```
cor(anes_na$V162336[anes_na$gay==1],anes_na$V161361x[anes_na$gay==1],use="pairwise.
   complete")
## [1] -0.05

##hispanic

## 'anxious, easily upset', low scores less anxious

ggplot(data=anes_na,aes(y=V162336,x=V161309))+ stat_summary(fun.data = "mean_cl_boot"
   , size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 677 rows containing non-finite values
## (stat_summary).
```


V161309
1.0
1.2
1.5
1.8
2.0
V162336
3.8
3.7
3.6
3.5
3.4

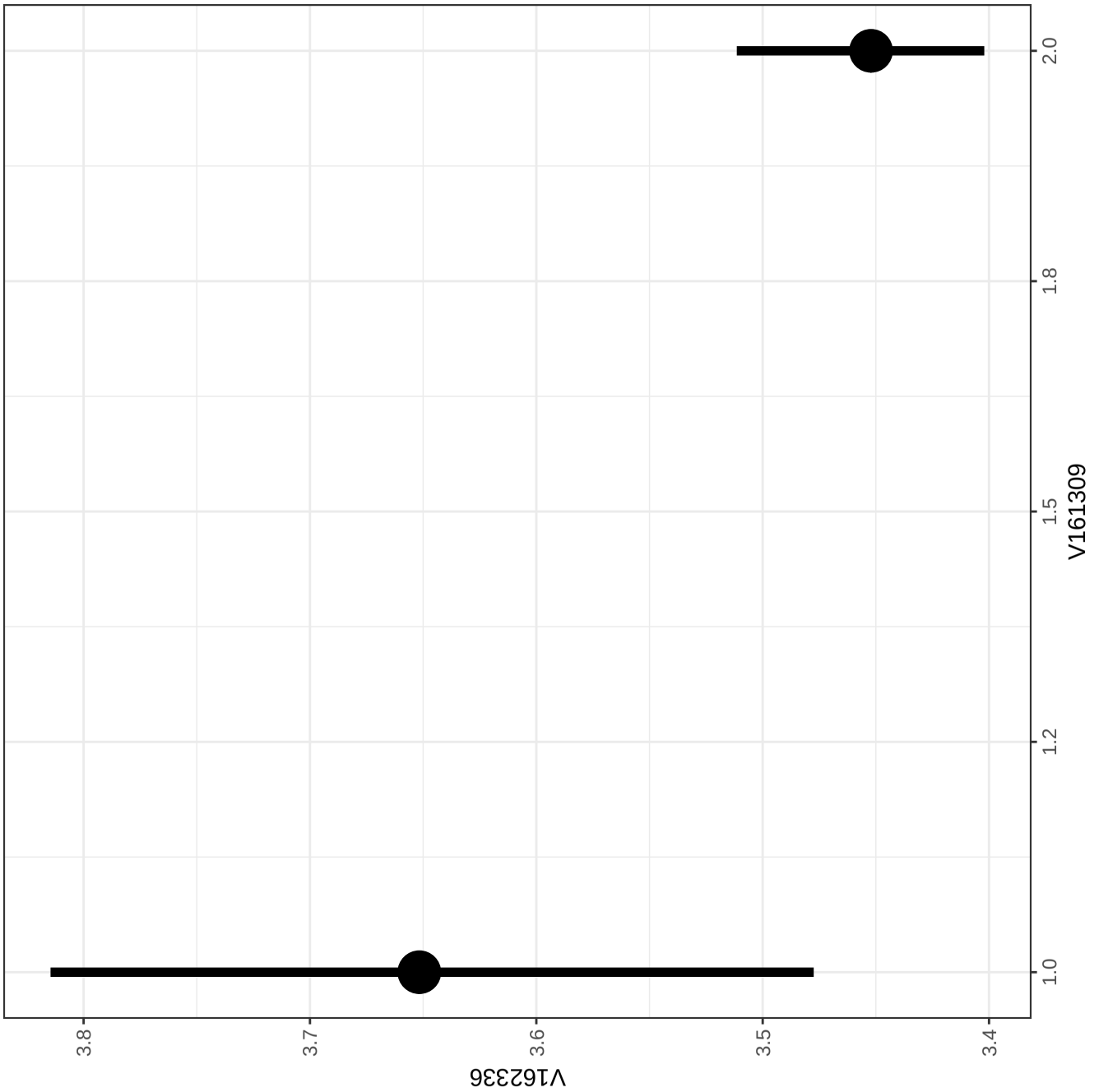
```
## Affect for Republican Pres cand: disgusted

ggplot(data=anes_na,aes(y=V161125,x=V161309))+ stat_summary(fun.data = "mean_cl_boot"
   , size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 23 rows containing non-finite values
## (stat_summary).
```


V161125
3.8
3.6
3.4
3.2
3.0
V161309
1.0
1.2
1.5
1.8
2.0

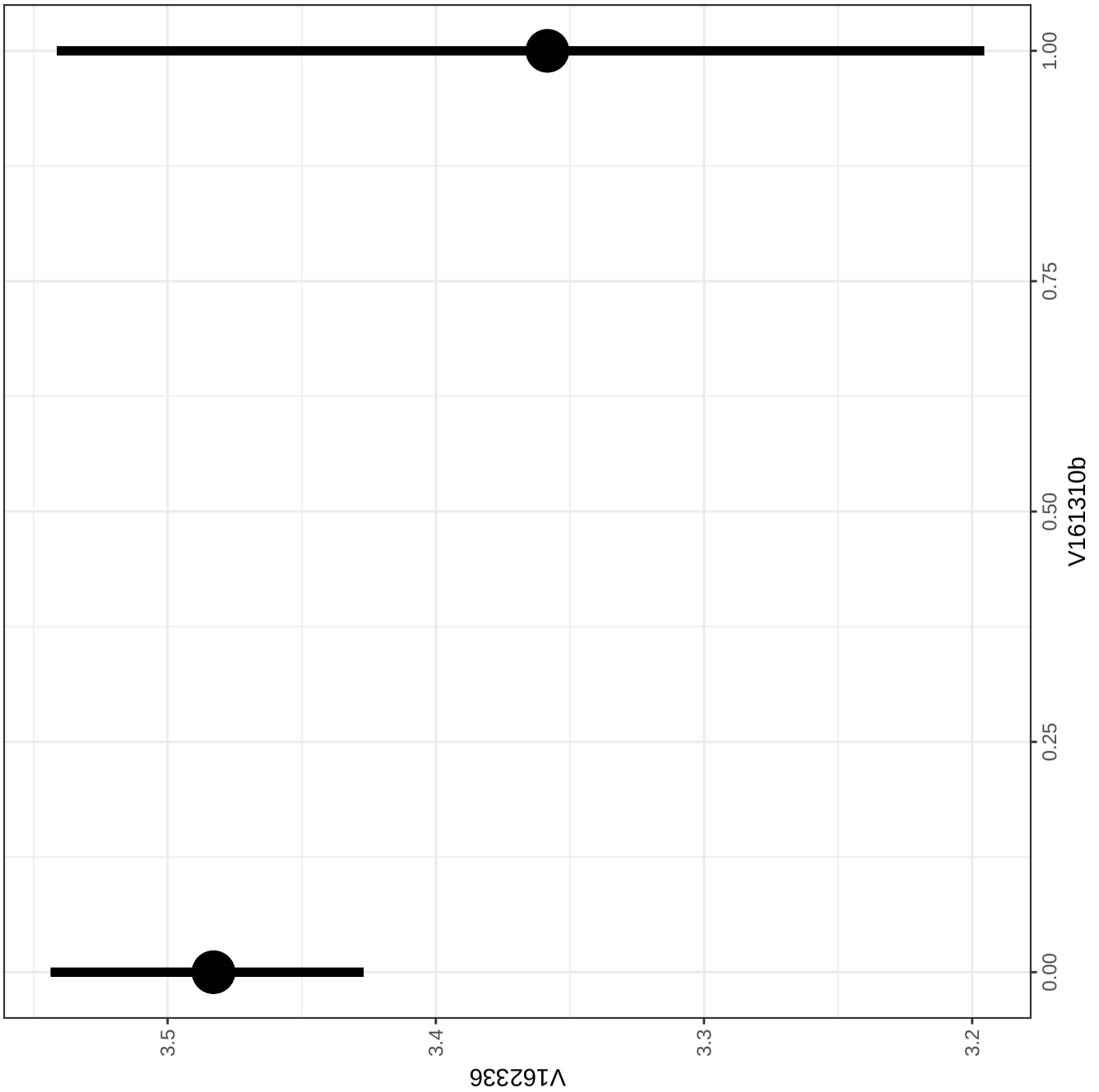
```
## Affect for Republican Pres cand: afraid

ggplot(data=anes_na,aes(y=V161123,x=V161309))+ stat_summary(fun.data = "mean_cl_boot"
   , size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 28 rows containing non-finite values
## (stat_summary).
```


V161309
1.0
1.2
1.5
1.8
2.0
V161123
3.3
3.1
2.9

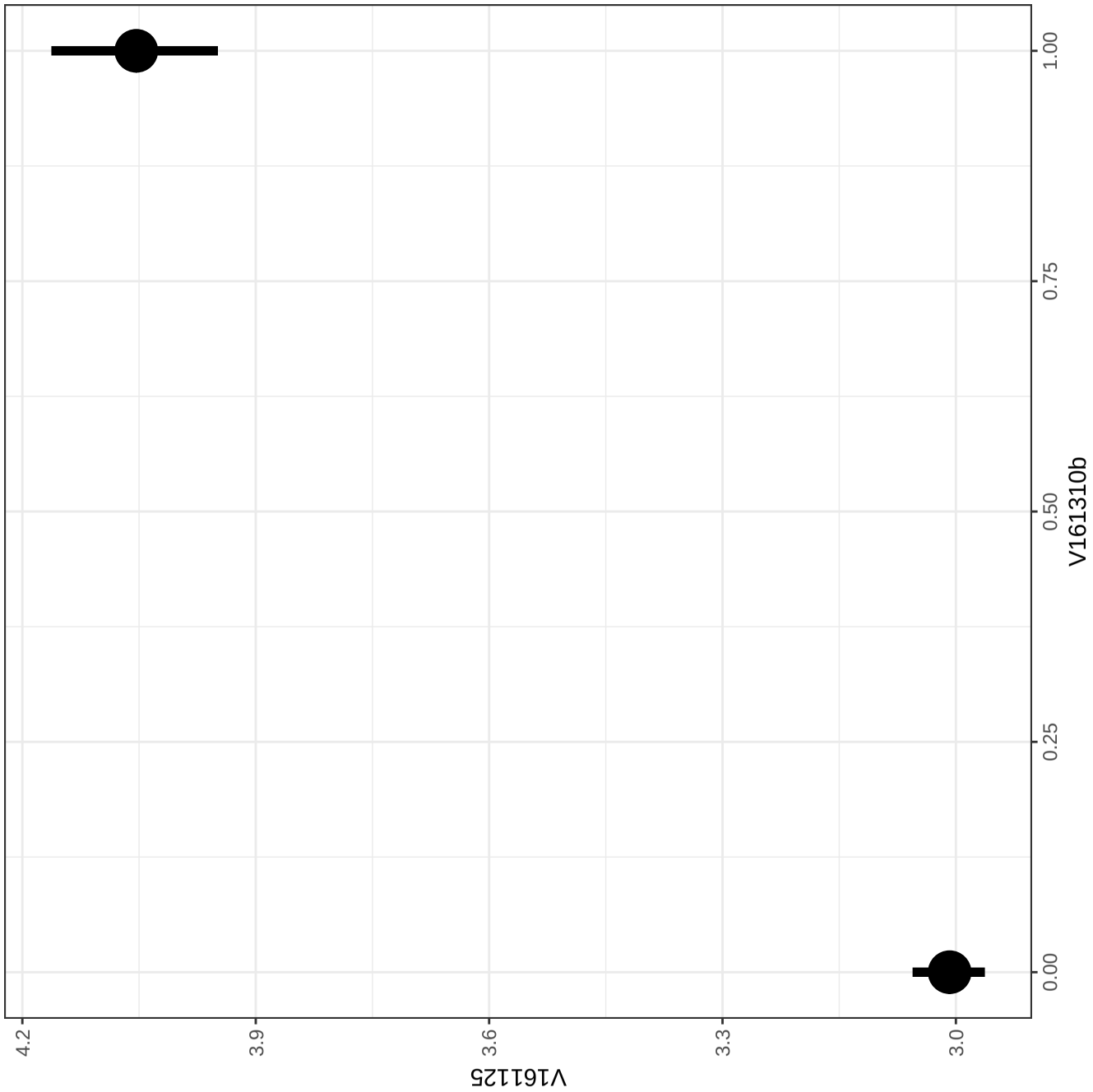
```
#pre election election7pt lib

ggplot(data=anes_na,aes(y=V162336,x=V161309))+ stat_summary(fun.data = "mean_cl_boot"
   , size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 677 rows containing non-finite values
## (stat_summary).
```


V162336
3.8
3.7
3.6
3.5
3.4
V161309
1.0
1.2
1.5
1.8
2.0

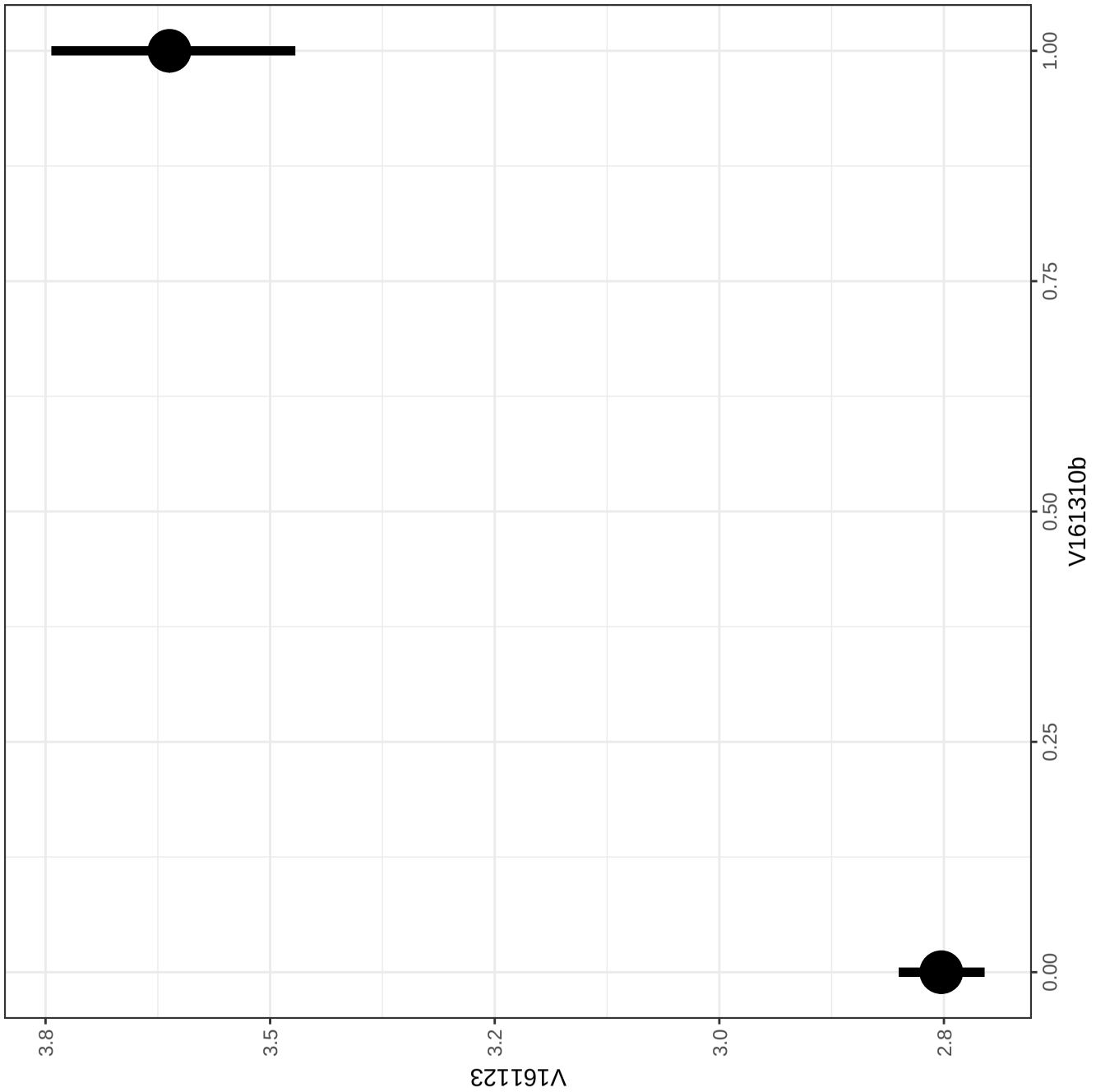
```
###black

## 'anxious, easily upset', low scores less anxious

ggplot(data=anes_na,aes(y=V162336,x=V161310b))+ stat_summary(fun.data = "mean_cl_boot
   ", size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 712 rows containing non-finite values
## (stat_summary).
```


V162336
3.5
3.4
3.3
3.2
V161310b
0.00
0.25
0.50
0.75
1.00

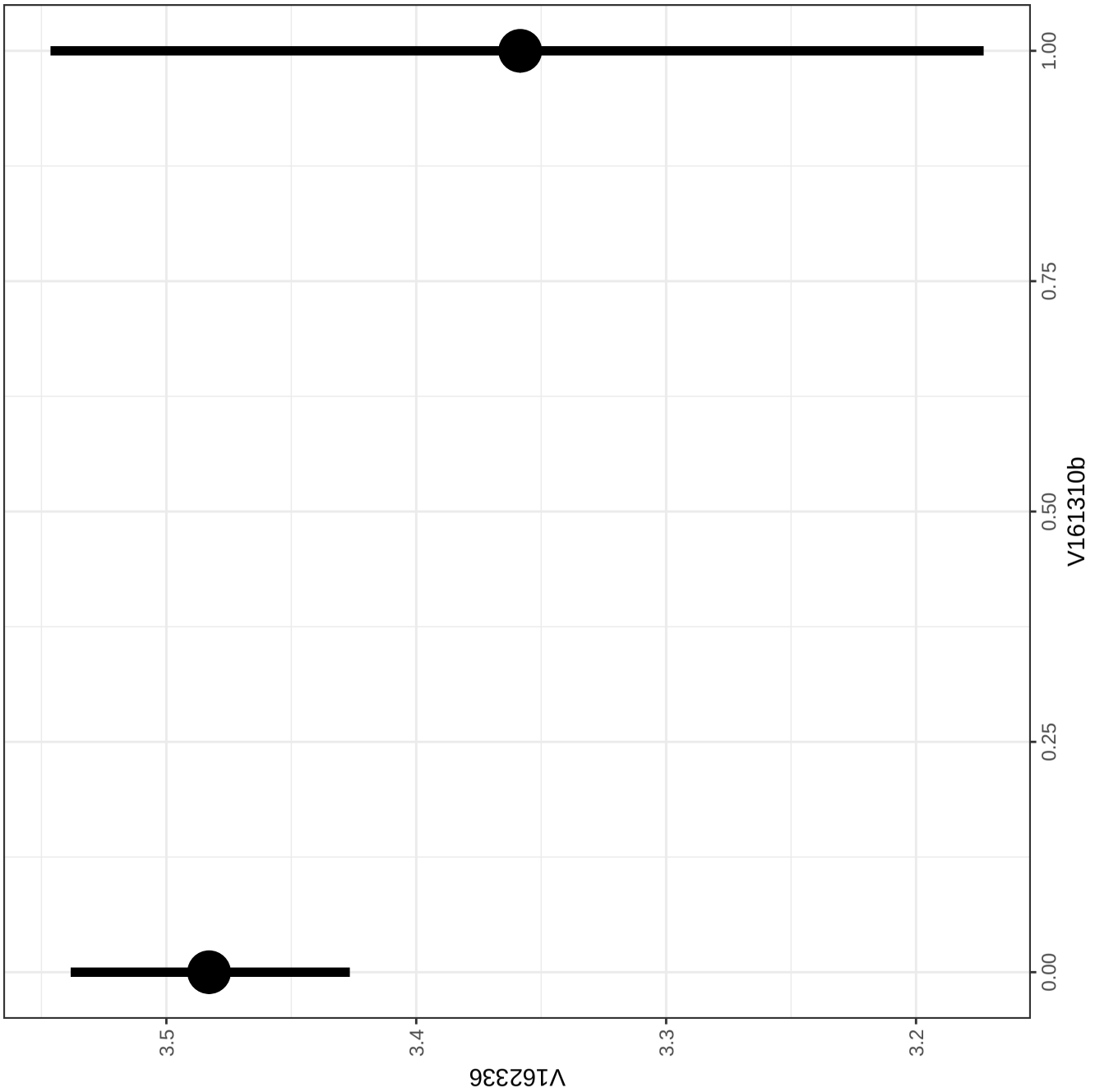
```
## Affect for Republican Pres cand: disgusted

ggplot(data=anes_na,aes(y=V161125,x=V161310b))+ stat_summary(fun.data = "mean_cl_boot
   ", size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 70 rows containing non-finite values
## (stat_summary).
```


V161125
4.2
3.9
3.6
3.3
3.0
V161310b
0.00
0.25
0.50
0.75
1.00

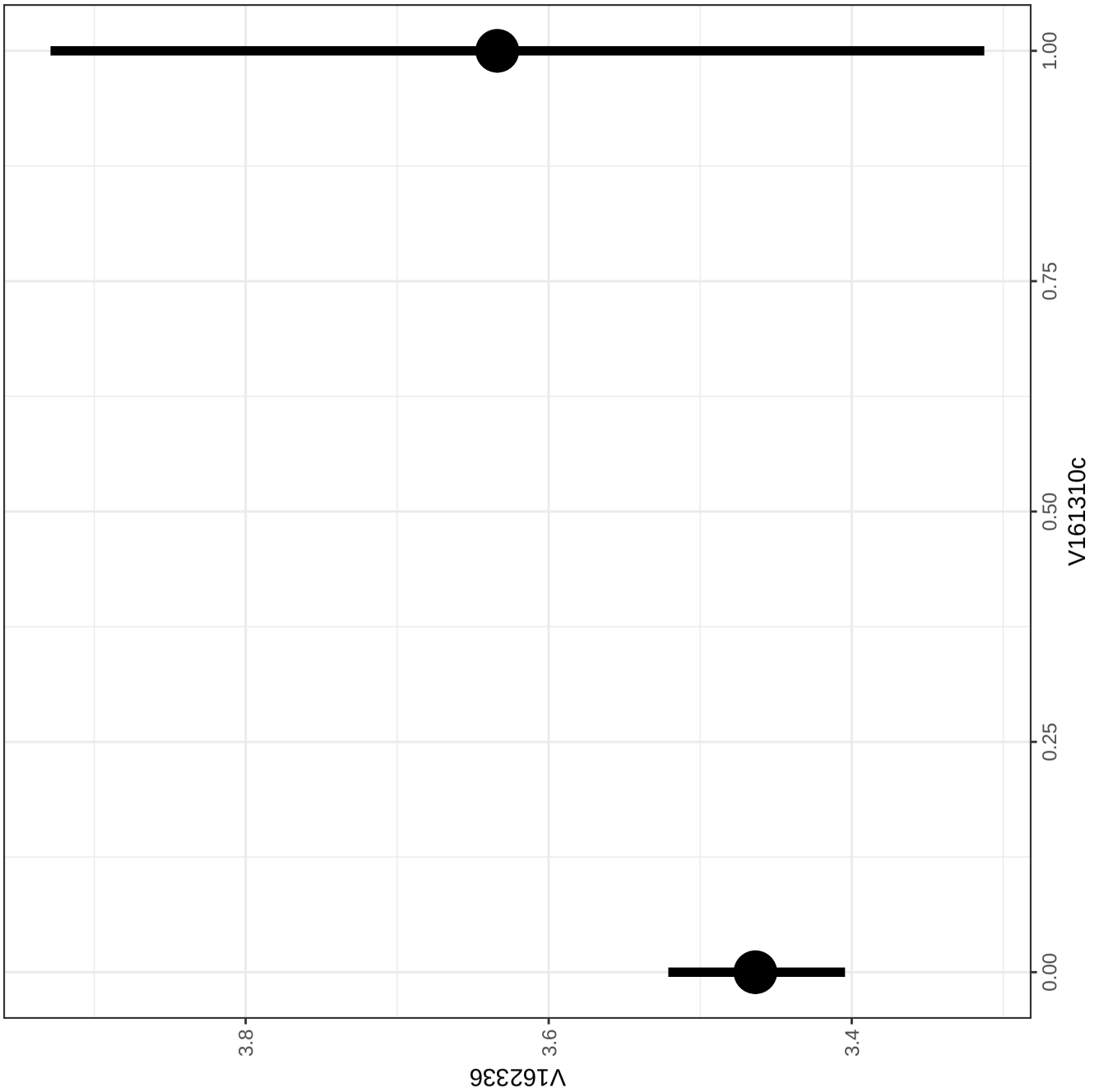
```
## Affect for Republican Pres cand: afraid

ggplot(data=anes_na,aes(y=V161123,x=V161310b))+ stat_summary(fun.data = "mean_cl_boot
   ", size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 75 rows containing non-finite values
## (stat_summary).
```


V161123
3.8
3.5
3.2
3.0
2.8
V161310b
0.00
0.25
0.50
0.75
1.00

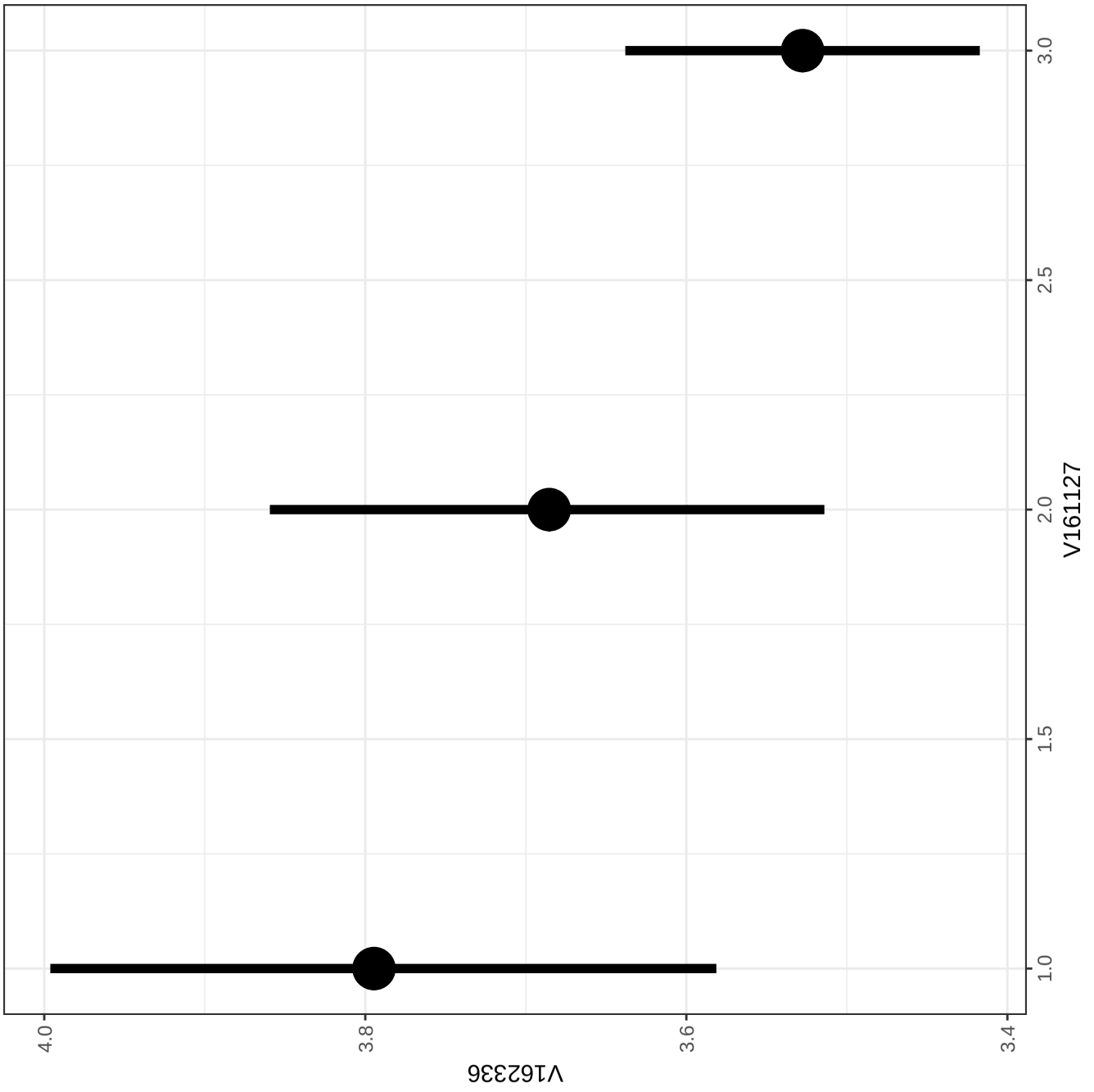
```
#pre election election7pt lib

ggplot(data=anes_na,aes(y=V162336,x=V161310b))+ stat_summary(fun.data = "mean_cl_boot
   ", size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 712 rows containing non-finite values
## (stat_summary).
```


V162336
3.5
3.4
3.3
3.2
V161310b
0.00
0.25
0.50
0.75
1.00

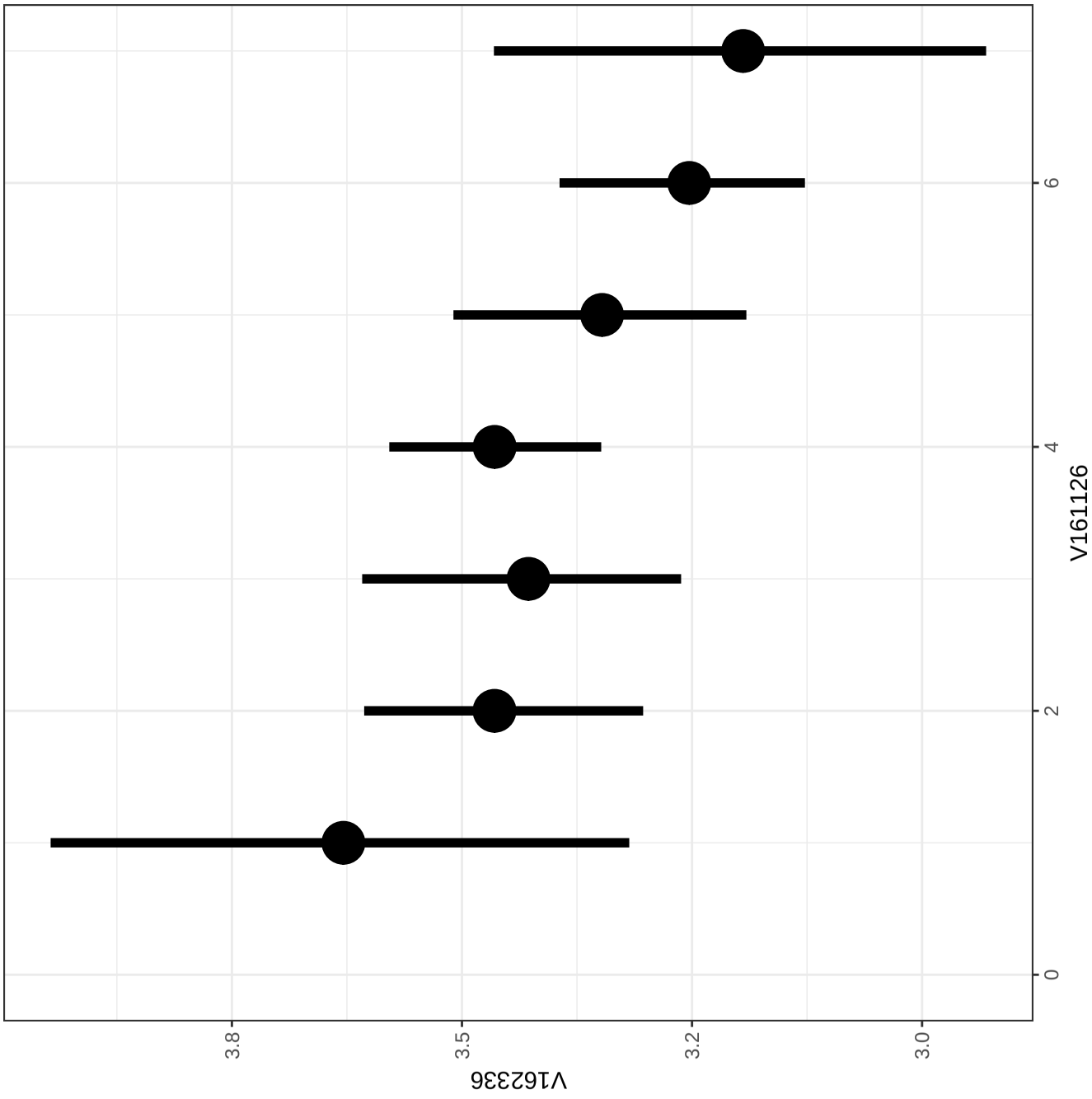
```
#Indian=1 ## 'anxious, easily upset', low scores less anxious

ggplot(data=anes_na,aes(y=V162336,x=V161310c))+ stat_summary(fun.data = "mean_cl_boot
   ", size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 712 rows containing non-finite values
## (stat_summary).
```


V162336
3.8
3.6
3.4
V161310c
0.00
0.25
0.50
0.75
1.00

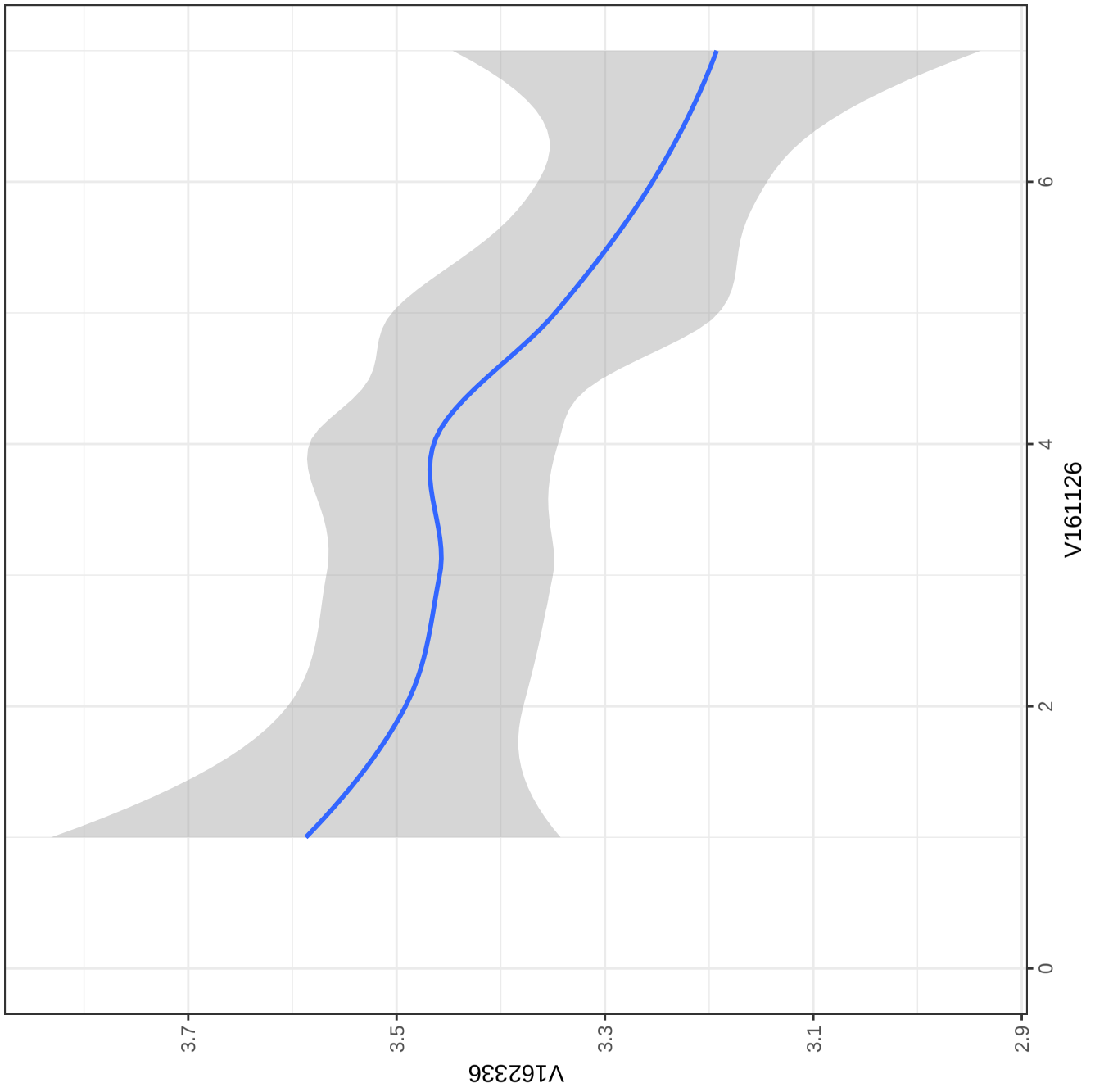
```
#pre election liberal, conservative, moderate

ggplot(data=anes_na,aes(y=V162336,x=V161127))+ stat_summary(fun.data = "mean_cl_boot"
   , size = 2)+theme_bw()

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 2807 rows containing non-finite values
## (stat_summary).
```


V162336
4.0
3.8
3.6
3.4
V161127
1.0
1.5
2.0
2.5
3.0

```
#pre election7pt lib

ggplot(data=anes_na,aes(y=V162336,x=V161126))+ stat_summary(fun.data = "mean_cl_boot"
   , size = 2)+theme_bw()+coord_cartesian(xlim = c(0, 7))

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.
## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 689 rows containing non-finite values
## (stat_summary).
```


V161126
0
2
4
6
V162336
3.8
3.5
3.2
3.0

```
ggplot(data=anes_na,aes(y=V162336,x=V161126))+geom_smooth(method="loess")+theme_bw()+
   xlim(0, 7)

## Don't know how to automatically pick scale for object of type labelled. Defaulting to continuous.

## Warning: Removed 1422 rows containing non-finite values
## (stat_smooth).
```


V162336
3.7
3.5
3.3
3.1
2.9
0
2
4
6
V161126

References