## R Notebook

```
library(MASS)
library(data.table)
library(stargazer)
## Please cite as:
## Hlavac, Marek (2018). stargazer: Well-Formatted Regression and Summary Statistics Tables.
## R package version 5.2.2. https://CRAN.R-project.org/package=stargazer
library(foreign)
library(knitr)
library(sandwich)
library(lmtest)
## Loading required package: zoo
##
## Attaching package: 'zoo'
## The following objects are masked from 'package:base':
##
##
      as.Date, as.Date.numeric
library(AER)
## Loading required package: car
## Loading required package: carData
## Loading required package: survival
library(ggplot2)
library(gridExtra)
library(cowplot)
## ***************
## Note: As of version 1.0.0, cowplot does not change the
##
    default ggplot2 theme anymore. To recover the previous
##
    behavior, execute:
##
    theme_set(theme_cowplot())
## *******************
library(ggthemes)
##
## Attaching package: 'ggthemes'
## The following object is masked from 'package:cowplot':
##
##
      theme_map
```

```
library(MatchIt)
#prevent scientific notation
options(scipen=999)
d_raw <- fread('./FinalData_AJ.csv')</pre>
d_raw
                                EndDate
##
             StartDate
                                             Status
                                                         IPAddress Progress
##
     1: 11/26/19 10:39 11/26/19 10:46 IP Address 72.185.190.207
                                                                         100
                                                                         100
##
     2: 11/26/19 10:39 11/26/19 10:46 IP Address
                                                     173.125.53.21
##
     3: 11/26/19 10:39 11/26/19 10:46 IP Address
                                                     69.18.228.209
                                                                         100
                                                     73.142.142.53
##
     4: 11/26/19 10:39 11/26/19 10:47 IP Address
                                                                         100
##
     5: 11/26/19 10:38 11/26/19 10:48 IP Address
                                                     68.70.176.230
                                                                         100
##
  566:
         11/28/19 1:56
                         11/28/19 1:56 IP Address
                                                     50.239.137.61
                                                                           29
##
   567:
         11/28/19 2:00
                         11/28/19 2:01 IP Address
                                                     91.207.175.43
                                                                           29
                         11/28/19 2:11 IP Address
   568:
         11/28/19 1:40
                                                      96.84.165.99
                                                                           35
         11/28/19 3:18 11/28/19 3:18 IP Address 161.129.69.11
                                                                           29
## 569:
   570:
         11/28/19 3:37 11/28/19 3:42 IP Address 108.67.233.215
                                                                           35
##
        Duration (in seconds) Finished
                                           RecordedDate
##
     1:
                           430
                                    TRUE 11/26/19 10:46 R_1pFCJGo3hGlfjTQ
                           441
                                    TRUE 11/26/19 10:46 R 1CmhDhQ3nv8MY2B
##
     2:
##
     3:
                           459
                                    TRUE 11/26/19 10:46 R_3KZaQbtXwELqxHw
##
     4:
                           488
                                    TRUE 11/26/19 10:47 R 1KmdCWUEFHQm1n3
##
     5:
                           555
                                    TRUE 11/26/19 10:48 R_A53r1jErX3LVeSd
##
    ___
## 566:
                            18
                                         11/29/19 1:56 R_3mfoXsP090EwQ2R
                                   FALSE
   567:
                            52
                                          11/29/19 2:02 R_3CNLcTOOtxqKsFG
                                          11/29/19 2:12 R_2SIAjvMzYNaRF1X
##
  568:
                          1859
                                   FALSE
##
   569:
                            12
                                   FALSE
                                          11/29/19 3:18 R_3noLIxngkKxyGnZ
   570:
                           336
                                          11/29/19 3:43 R_31baxn75mAZOUWM
##
                                   FALSE
##
        RecipientLastName RecipientFirstName RecipientEmail ExternalReference
##
                        NA
                                             NA
                                                             NA
                                                                                NA
     1:
     2:
                        NA
                                             NA
                                                             NA
                                                                                NA
##
##
                        NA
                                            NA
                                                             NΑ
                                                                                NA
     3:
##
     4:
                        NA
                                             NA
                                                             NA
                                                                                NA
##
     5:
                        NA
                                             NA
                                                             NA
                                                                                NA
##
## 566:
                        NA
                                             NA
                                                             NA
                                                                                NA
## 567:
                                                             NΑ
                                                                                NΑ
                        NA
                                            NA
## 568:
                        NA
                                             NA
                                                             NA
                                                                                NA
## 569:
                        NA
                                             NΑ
                                                             NA
                                                                                NA
## 570:
                        NA
                                             NA
                                                             NA
                                                                                NA
##
        LocationLatitude LocationLongitude DistributionChannel UserLanguage
##
     1:
                 28.21370
                                    -82.6809
                                                        anonymous
                                                                              EN
                 33.74850
##
     2:
                                    -84.3871
                                                                              EN
                                                        anonymous
##
     3:
                 38.73441
                                    -98.1992
                                                        anonymous
                                                                              EN
##
     4:
                 41.60260
                                    -72.9765
                                                                              EN
                                                        anonymous
                 41.66969
                                    -83.6071
##
     5:
                                                        anonymous
                                                                              EN
##
## 566:
                                                                              EN
                       NA
                                          NA
                                                        anonymous
## 567:
                       NA
                                          NA
                                                        anonymous
                                                                              EN
## 568:
                       NA
                                          NA
                                                        anonymous
                                                                              EN
```

##	569:		N.A	A		NA		aı	nonymous		EN
##	570:		NA	A		NA		ar	nonymous		EN
##		QID34	Q4_First (	Click	Q4_Last	${\tt Click}$	Q4_Pag	e Subr	nit Q4_Clic	k Count	
##	1:	Yes		NA		NA			NA	NA	
##	2:	Yes		NA		NA			NA	NA	
##	3:	Yes		NA		NA			NA	NA	
##	4:	Yes		NA		NA			NA	NA	
##	5:	Yes		NA		NA			NA	NA	
##											
	566:	Yes		NA		NA			NA	NA	
	567:	Yes		NA		NA			NA	NA	
	568:	Yes		NA		NA			NA	NA	
	569:	Yes		NA		NA			NA	NA	
	570:	Yes	+ 01 ÷ -1-	NA	+ 01:	NA	D G	1	NA	NA	
##	1.	Q2/_F1		W21_L			_Page S		Q27_Click		
##	1:		NA NA			JA TA		NA		NA NA	
##	2:		NA NA			JA TA		NA NA		NA NA	
##	3: 4:		NA NA			JA JA		NA		NA NA	
##	5:		NA NA			JA		NA NA		NA NA	
##			IVA		1	VA.		IVA		IVA	
	566:		NA		1	JA		NA		NA	
	567:		NA			JA		NA		NA	
	568:		NA			JA		NA		NA	
	569:		NA			JA		NA		NA	
	570:		NA			JA		NA		NA	
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##	1:	_	58.752		58.752	~	96.6			1	
##	2:		NA		NA			NA	N	A	
##	3:		NA		NA		1	NA	N	A	
##	4:		0.000		0.000		113.0	46		0	
##	5:		NA		NA		1	NA	N	A	
##											
##	566:		NA		NA		]	NA	N	A	
	567:		NA		NA			NA	N		
	568:		61.212		61.212		139.9			1	
	569:		NA		NA			NA	N		
	570:		NA		NA			NA.	N		
##		Q29_Fi		Q29_L	ast Clic		_		Q29_Click		
##	1:		0			0	30	0.794		0	
##	2:		NA NA			JA TA		NA		NA	
##	3: 4:		NA		Г	JA O	20.	NA 272		NA	
##	5:		O NA		1	O JA	304	4.273 NA		O NA	
##			IVA		1	VA.		IVA		IVA	
	566:		NA		1	JA		NA		NA	
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	568:		NA			JA		NA		NA	
	569:		NA			JA		NA		NA	
	570:		NA			JA		NA		NA	
##		Q31 Fi		Q31 L			Page S		Q31_Click		
##	1:		NA	· -		JA	_	NA	_	NA	
##	2:		0			0	13	1.937		0	
##	3:		0			0	13:	2.702		0	

```
##
     4:
                       NA
                                       NA
                                                         NA
                                                                          NA
##
     5:
                       0
                                        0
                                                   151.207
                                                                           0
##
## 566:
                       NA
                                       NA
                                                         NA
                                                                          NA
## 567:
                       NA
                                       NA
                                                         NA
                                                                          NA
## 568:
                       NA
                                       NA
                                                         NA
                                                                          NA
## 569:
                       NA
                                       NA
                                                         NA
                                                                          NA
## 570:
                        0
                                        0
                                                   137.000
                                                                           0
##
        Q28_First Click Q28_Last Click Q28_Page Submit Q28_Click Count
##
                       NA
                                       NA
     1:
                                                         NA
##
     2:
                        0
                                        0
                                                   248.746
                                                                           0
##
                        0
                                        0
                                                                           0
     3:
                                                   251.117
##
     4:
                       NA
                                       NA
                                                         NA
                                                                          NA
##
     5:
                                                   245.336
                        0
                                        0
                                                                           0
##
## 566:
                       NA
                                       NA
                                                         NA
                                                                          NA
## 567:
                                       NA
                                                         NA
                                                                          NA
                       NA
## 568:
                       NA
                                       NA
                                                         NA
                                                                          NA
## 569:
                       NA
                                       NA
                                                         NA
                                                                          NA
## 570:
                       NA
                                       NA
                                                         NA
                                                                          NA
##
        Q24_First Click Q24_Last Click SurveyTime Q24_Click Count
##
     1:
                   1.837
                                   17.516
                                               18.918
                   2.630
                                               25.175
                                                                      7
##
     2:
                                   23.990
                                                                      7
##
     3:
                   3.001
                                   27.777
                                               28.757
                                                                      7
##
                                   31.639
                                               32.701
     4:
                   2.456
     5:
                   2.143
                                   30.010
                                               32.272
                                                                      8
##
## 566:
                                       NA
                                                   NA
                                                                     NA
                       NA
## 567:
                                       NA
                       NA
                                                   NA
                                                                     NA
## 568:
                       NA
                                       NA
                                                   NA
                                                                     NA
## 569:
                       NA
                                       NA
                                                   NA
                                                                     NA
## 570:
                       NA
                                       NA
                                                   NA
                                                                     NA
##
                                                                          Y3
                         Y1
                                                      Y2
##
     1:
           Strongly agree
                                         Strongly agree Strongly disagree
##
     2:
           Somewhat agree
                                         Somewhat agree Somewhat disagree
##
     3: Strongly disagree
                                         Somewhat agree
                                                             Strongly agree
##
     4: Somewhat disagree Neither agree nor disagree Somewhat disagree
##
     5:
           Somewhat agree
                                         Somewhat agree Somewhat disagree
    ---
##
## 566:
## 567:
## 568:
## 569:
## 570:
##
                         Y4
##
     1:
           Strongly agree
                                      Strongly disagree
                                      Somewhat disagree
##
     2:
           Somewhat agree
##
     3: Strongly disagree
                                         Strongly agree
##
        Somewhat disagree Neither agree nor disagree
##
     5:
           Somewhat agree
                                      Somewhat disagree
##
## 566:
## 567:
## 568:
```

```
## 569:
## 570:
##
                                  Y6
                                                               Y7 Q25 First Click
##
     1: Neither agree nor disagree
                                              Somewhat disagree
##
                     Somewhat agree
                                                  Somewhat agree
                                                                             1.350
##
     3:
                  Strongly disagree
                                                  Strongly agree
                                                                            1.210
##
                     Somewhat agree Neither agree nor disagree
                                                                            1.002
     4:
##
                     Somewhat agree
     5:
                                                  Somewhat agree
                                                                             1.024
##
## 566:
                                                                                NA
## 567:
                                                                                NA
## 568:
                                                                                NA
## 569:
                                                                                NA
## 570:
                                                                                NA
##
        Q25_Last Click CovariateTime Q25_Click Count
                                                                 Age
##
     1:
                     NA
                                    NA
##
     2:
                 23.526
                                24.363
                                                      9 35-44 years
##
     3:
                 32.537
                                33.476
                                                      9 35-44 years
##
     4:
                 23.083
                                24.266
                                                      9 25-34 years
##
     5:
                 23.256
                                24.438
                                                      9 35-44 years
##
## 566:
                     NA
                                    NA
                                                     NA
## 567:
                     NA
                                                     NA
                                    NA
## 568:
                     NA
                                    NA
                                                     NA
## 569:
                     NA
                                    NA
                                                     NΑ
## 570:
                                    NA
                                                     NA
##
                    Education Gender LivingAreaAffected ClimateChangeAwareness
##
     1:
##
     2:
         Professional degree
                                Male
                                                       No
                                                                                No
##
     3:
                Some college
                                Male
                                                       No
                                                                               Yes
##
     4: High school graduate
                                Male
                                                       No
                                                                                No
##
     5:
               4 year degree
                                Male
                                                       No
                                                                                No
##
## 566:
## 567:
## 568:
## 569:
## 570:
##
             PreTreatment
                                         Income
                                                         PoliticalView Community
##
     1:
##
           Somewhat agree $100,000 - $149,000 Slightly Conservative
                                                                         Suburban
##
     3: Strongly disagree
                             Less than $50,000
                                                     Very Conservative
                                                                             Rural
           Somewhat agree
                             $50,000 - $74,000
                                                      Slightly Liberal
##
     4:
                                                                             Rural
##
     5:
           Somewhat agree
                             $75,000 - $99,000 Slightly Conservative
                                                                             Rural
##
## 566:
## 567:
## 568:
## 569:
## 570:
                                                                      mTurkCode
##
        AlwaysTrue Create New Field or Choose From Dropdown...
##
                                                                NA 663236000000
     1:
                  1
##
     2:
                  1
                                                                NA 581543000000
                                                                NA 87615467608
##
     3:
```

```
##
     4:
                                                              NA 690726000000
##
    5:
                                                              NA 735159000000
## ---
                                                              NA 720586000000
## 566:
                 1
## 567:
                 1
                                                              NA 274891000000
## 568:
                 1
                                                              NA 143948000000
## 569:
                                                              NA 528633000000
## 570:
                                                              NA 211754000000
                 1
##
                Group RejectedOutcomeQuestions RejectedCovariateQuestions
##
     1: AntiTreatment
                                            Yes
##
     2:
              Placebo
##
    3:
              Placebo
    4: AntiTreatment
##
##
              Placebo
    5:
##
## 566:
            Treatment
## 567:
            Treatment
## 568: AntiTreatment
## 569: AntiTreatment
## 570:
              Placebo
#Subset the columns from raw data into data table on which we would work
columns <- c("Progress","Y1","Y2","Y3","Y4","Y5","Y6","Y7",</pre>
             "Age", "Education", "Gender", "LivingAreaAffected", "ClimateChangeAwareness",
             "PreTreatment", "Income", "PoliticalView", "Community", "Group", "SurveyTime",
             "CovariateTime", "RejectedOutcomeQuestions", "RejectedCovariateQuestions")
d <- d raw[,..columns]</pre>
#Create lookup for likert scales one for positive questions
support_likert_scale <- c('Strongly agree'=5, 'Strongly Agree'=5,</pre>
                           'Somewhat agree'=4, 'Somewhat Agree'=4,
                           'Neither agree nor disagree'=3,'Neither Agree nor Disagree'=3,
                           'Neither agree or disagree'=3, 'Neither Agree or Disagree'=3,
                           'Somewhat disagree'=2, 'Somewhat Disagree'=2,
                           'Strongly disagree'=1, 'Strongly Disagree'=1)
#lookup for negative questions 4 and 6
anti_likert_scale <- c('Strongly agree'=1, 'Strongly Agree'=1,</pre>
                           'Somewhat agree'=2, 'Somewhat Agree'=2,
                           'Neither agree nor disagree'=3, 'Neither Agree nor Disagree'=3,
                           'Neither agree or disagree'=3,'Neither Agree or Disagree'=3,
                           'Somewhat disagree'=4, 'Somewhat Disagree'=4,
                           'Strongly disagree'=5,'Strongly Disagree'=5)
#convert character to numeric value for the likert scale output variables
#d[,Y1_num:=support_likert_scale[Y1]]
#d[,Y2_num:=support_likert_scale[Y2]]
#d[,Y3_num:=support_likert_scale[Y3]]
#d[,Y4_num:=anti_likert_scale[Y4]]
#d[,Y5_num:=support_likert_scale[Y5]]
#d[,Y6 num:=anti likert scale[Y6]]
#d[,Y7_num:=support_likert_scale[Y7]]
d[,c("Y1_num","Y2_num","Y3_num","Y4_num","Y5_num","Y6_num","Y7_num") :=
```

```
list(support_likert_scale[Y1],
      support likert scale[Y2],
      anti_likert_scale[Y3],
      support_likert_scale[Y4],
      anti_likert_scale[Y5],
      support_likert_scale[Y6],
      support_likert_scale[Y7])
]
#Add ordered factor for the Y nums
d[,c("Y1_num_factor","Y2_num_factor","Y3_num_factor","Y4_num_factor",
     "Y5_num_factor", "Y6_num_factor", "Y7_num_factor") :=
    list(factor(Y1_num, ordered=T, levels=c(1,2,3,4,5)),
      factor(Y2_num,ordered=T,levels=c(1,2,3,4,5)),
      factor(Y3_num, ordered=T, levels=c(1,2,3,4,5)),
      factor(Y4_num, ordered=T, levels=c(1,2,3,4,5)),
      factor(Y5_num,ordered=T,levels=c(1,2,3,4,5)),
      factor(Y6_num, ordered=T, levels=c(1,2,3,4,5)),
      factor(Y7_num, ordered=T, levels=c(1,2,3,4,5))
]
#add factor variables for the covariates
d[,c("Age_factor","Education_factor","Gender_factor","LivingAreaAffected_factor",
     "ClimateChangeAwareness_factor", "PreTreatment_factor", "Income_factor",
     "PoliticalView factor", "Community factor") :=
    list(factor(Age,ordered=T,levels=c("Less than 25 years",
                                 "25-34 years",
                                 "35-44 years",
                                 "45-54 years",
                                 "55 years or older")),
         factor(Education, ordered=T, levels=c("Less than high school",
                                               "High school graduate",
                                               "Some college",
                                               "2 year degree",
                                               "4 year degree",
                                               "Professional degree",
                                               "Doctorate"
         factor(Gender, ordered=F, levels=c(""
                                           "Male"
                                           "Female",
                                           "Other")),
         factor(LivingAreaAffected, ordered=T, levels=c("No", "Yes")),
         factor(ClimateChangeAwareness,ordered=T,levels=c("","No","Yes")),
         factor(PreTreatment, ordered=T, levels=c("",
                                                 "Strongly disagree",
                                                 "Somewhat disagree",
                                                 "Neither agree nor disagree",
                                                 "Somewhat agree",
                                                 "Strongly agree"
                                                )),
         factor(Income,ordered=T,levels=c("Less than $50,000",
                                           "$50,000 - $74,000",
```

```
"$75,000 - $99,000",
                                           "$100,000 - $149,000"
                                           "More than $150,000")),
         factor(PoliticalView, ordered=F, levels=c("Very Liberal",
                                                   "Slightly Liberal",
                                                   "Slightly Conservative",
                                                  "Very Conservative",
                                                   "Neither Conservative nor Liberal")),
         factor(Community, ordered=F, levels=c("Urban",
                                              "Suburban",
                                              "Rural"
                                              ))
         )]
d[!is.na(Y1_num)&Progress==100&RejectedOutcomeQuestions!="Yes"&RejectedCovariateQuestions!="Yes",
  .(mean(Y1_num,na.rm = T), mean(Y2_num,na.rm = T), mean(Y3_num,na.rm = T), mean(Y4_num,na.rm = T),
     mean(Y5_num,na.rm =T),mean(Y6_num,na.rm =T),mean(Y7_num,na.rm =T)),
  by=Group]
##
                                    V2
                                             V3
                                                   ۷4
                                                             V5
                                                                      V6
              Group
                          ۷1
            Placebo 4.052174 4.304348 3.208696 3.800 3.321739 3.739130
## 2: AntiTreatment 3.658333 3.816667 2.958333 3.225 3.158333 3.591667
## 3:
          Treatment 4.440367 4.449541 3.403670 4.000 3.532110 3.990826
##
## 1: 4.434783
## 2: 3.650000
## 3: 4.311927
d[!is.na(Y1_num)&Progress==100&RejectedOutcomeQuestions!="Yes"&RejectedCovariateQuestions!="Yes",
  .(sd(Y1_num,na.rm = T),sd(Y2_num,na.rm = T), sd(Y3_num,na.rm =T), sd(Y4_num,na.rm =T),
     sd(Y5_num,na.rm =T),sd(Y6_num,na.rm =T),sd(Y7_num,na.rm =T)),
  by=Group]
##
              Group
                           ۷1
                                      ٧2
                                               V.3
## 1:
            Placebo 1.1458811 0.9097321 1.373277 1.222594 1.466275 1.185341
## 2: AntiTreatment 1.4230742 1.3156034 1.259557 1.299402 1.390217 1.103819
          Treatment 0.9470343 0.8973855 1.233178 1.088662 1.424448 1.067148
             ۷7
##
## 1: 0.7390183
## 2: 1.3698433
## 3: 0.9971928
#Covariate balance check
#test for covariate balance
#subset placebo and treatment
d_treatment_exp <- d[Group %in% c('Placebo', 'Treatment')&!is.na(Y1_num)&Progress==100&RejectedOutcomeQu
d_treatment_exp[,treat_dummy:=ifelse(Group=='Placebo',0,1)]
lm1_treat <- d_treatment_exp[,lm(treat_dummy~1)]</pre>
lm2_treat <- d_treatment_exp[,lm(treat_dummy~Age_factor+Education_factor+Gender_factor+ LivingAreaAffec</pre>
( anova_test_report_treat_exp <- anova(lm1_treat,lm2_treat,test='F') )</pre>
## Analysis of Variance Table
## Model 1: treat_dummy ~ 1
## Model 2: treat_dummy ~ Age_factor + Education_factor + Gender_factor +
```

```
##
       LivingAreaAffected_factor + ClimateChangeAwareness_factor +
##
       PreTreatment_factor + Income_factor + PoliticalView_factor +
##
       Community factor
    Res.Df
               RSS Df Sum of Sq
##
                                     F Pr(>F)
## 1
        223 55.960
        193 48.386 30
## 2
                         7.5742 1.0071 0.4629
#subset placebo and antitreatment
d_antitreatment_exp <- d[Group %in% c('Placebo', 'AntiTreatment')&!is.na(Y1_num)&Progress==100&Rejected0
d_antitreatment_exp[,treat_dummy:=ifelse(Group=='Placebo',0,1)]
lm1_antitreat <- d_antitreatment_exp[,lm(treat_dummy~1)]</pre>
lm2_antitreat <- d_antitreatment_exp[,lm(treat_dummy~Age_factor+Education_factor+Gender_factor+ LivingA
( anova_test_report_antitreat_exp <- anova(lm1_antitreat,lm2_antitreat,test='F') )</pre>
## Analysis of Variance Table
##
## Model 1: treat_dummy ~ 1
## Model 2: treat_dummy ~ Age_factor + Education_factor + Gender_factor +
       LivingAreaAffected_factor + ClimateChangeAwareness_factor +
##
       PreTreatment_factor + Income_factor + PoliticalView_factor +
       Community_factor
##
##
    Res.Df
               RSS Df Sum of Sq
                                     F Pr(>F)
## 1
        234 58.723
## 2
        204 51.030 30
                         7.6931 1.0251 0.4371
m.out = matchit(treat_dummy ~ Age_factor + Education_factor + Gender_factor +
                LivingAreaAffected factor + ClimateChangeAwareness factor +
                PreTreatment_factor + Income_factor + PoliticalView_factor +
                Community factor,
                data = d_treatment_exp, method = "nearest",
                ratio = 1)
summary(m.out)
##
## Call:
## matchit(formula = treat_dummy ~ Age_factor + Education_factor +
##
       Gender_factor + LivingAreaAffected_factor + ClimateChangeAwareness_factor +
       PreTreatment_factor + Income_factor + PoliticalView_factor +
##
##
       Community_factor, data = d_treatment_exp, method = "nearest",
##
       ratio = 1)
##
## Summary of balance for all data:
                                                         Means Treated
                                                                0.5558
## distance
                                                                0.1009
## Age_factorLess than 25 years
## Age_factor25-34 years
                                                                0.4495
## Age_factor35-44 years
                                                                0.1835
## Age_factor45-54 years
                                                                0.1376
## Age_factor55 years or older
                                                                0.1284
## Education_factor.L
                                                                0.1144
## Education_factor.Q
                                                               -0.2462
## Education_factor.C
                                                               -0.2097
## Education_factor^4
                                                               -0.0636
## Education_factor^5
                                                                0.1902
## Education_factor^6
                                                                0.2083
```

```
## Gender_factorMale
                                                                 0.6422
## Gender_factorFemale
                                                                 0.3394
## Gender factorOther
                                                                 0.0000
## LivingAreaAffected_factor.L
                                                                -0.0195
## ClimateChangeAwareness_factor.L
                                                                 0.5384
## ClimateChangeAwareness factor.Q
                                                                 0.1161
## PreTreatment factor.L
                                                                 0.4222
## PreTreatment factor.Q
                                                                 0.2002
## PreTreatment factor.C
                                                                 0.0547
## PreTreatment_factor^4
                                                                -0.0277
## PreTreatment_factor^5
                                                                -0.0324
## Income_factor.L
                                                                -0.3307
## Income_factor.Q
                                                                 0.0294
## Income_factor.C
                                                                 0.0087
## Income_factor^4
                                                                -0.0779
## PoliticalView_factorSlightly Liberal
                                                                 0.3394
## PoliticalView_factorSlightly Conservative
                                                                 0.1651
## PoliticalView factorVery Conservative
                                                                 0.2202
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0826
## Community factorSuburban
                                                                 0.4220
## Community_factorRural
                                                                 0.1468
##
                                                         Means Control
                                                                 0.4210
## distance
## Age factorLess than 25 years
                                                                 0.0174
## Age_factor25-34 years
                                                                 0.5217
## Age_factor35-44 years
                                                                 0.2522
## Age_factor45-54 years
                                                                 0.1043
## Age_factor55 years or older
                                                                 0.1043
## Education_factor.L
                                                                 0.1052
## Education_factor.Q
                                                                -0.2201
## Education_factor.C
                                                                -0.1846
## Education_factor^4
                                                                -0.0897
## Education_factor^5
                                                                 0.1442
## Education_factor^6
                                                                 0.2311
## Gender factorMale
                                                                 0.6000
## Gender_factorFemale
                                                                 0.3739
## Gender factorOther
                                                                 0.0087
## LivingAreaAffected_factor.L
                                                                -0.0922
## ClimateChangeAwareness_factor.L
                                                                 0.4366
                                                                -0.0390
## ClimateChangeAwareness_factor.Q
## PreTreatment factor.L
                                                                 0.3627
## PreTreatment factor.Q
                                                                 0.1243
## PreTreatment factor.C
                                                                 0.0253
## PreTreatment_factor^4
                                                                -0.0444
## PreTreatment_factor^5
                                                                -0.0016
## Income_factor.L
                                                                -0.3135
## Income_factor.Q
                                                                -0.0186
## Income_factor.C
                                                                 0.0632
## Income_factor^4
                                                                -0.0260
## PoliticalView_factorSlightly Liberal
                                                                 0.3043
## PoliticalView_factorSlightly Conservative
                                                                 0.2696
## PoliticalView_factorVery Conservative
                                                                 0.2000
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0696
## Community_factorSuburban
                                                                 0.4087
```

##	Community_factorRural		0.1	304
##	V <b>-</b>	SD	Control	Mean Diff
##	distance		0.1778	0.1348
##	Age_factorLess than 25 years		0.1313	0.0835
##	Age_factor25-34 years		0.5017	-0.0722
##	Age_factor35-44 years		0.4362	-0.0687
##	Age_factor45-54 years		0.3070	0.0333
##	Age_factor55 years or older		0.3070	0.0241
##	Education_factor.L		0.2455	0.0093
##	Education_factor.Q		0.1851	-0.0261
##	Education_factor.C		0.3556	-0.0251
##	Education_factor^4		0.3198	0.0261
##	Education_factor^5		0.4788	0.0460
##	Education_factor^6		0.3671	-0.0229
##	Gender_factorMale		0.4920	0.0422
##	Gender_factorFemale		0.4860	-0.0345
	Gender_factorOther		0.0933	-0.0087
##	LivingAreaAffected_factor.L		0.7041	0.0728
##	ClimateChangeAwareness_factor.L		0.3577	
	ClimateChangeAwareness_factor.Q		0.5923	
##	PreTreatment_factor.L		0.2814	
	PreTreatment_factor.Q		0.4015	
##	PreTreatment_factor.C		0.4216	0.0294
##	PreTreatment_factor^4		0.3968	
##	PreTreatment_factor^5		0.3377	-0.0307
	Income_factor.L		0.3092	-0.0173
	Income_factor.Q		0.4403	0.0480
	Income_factor.C		0.4573	
	Income_factor^4		0.4519	
	PoliticalView_factorSlightly Liberal		0.4621	
	PoliticalView_factorSlightly Conservative		0.4457	
	PoliticalView_factorVery Conservative		0.4018	
	PoliticalView_factorNeither Conservative nor Liberal		0.2555	
	Community_factorSuburban		0.4937	
	Community_factorRural	- 00	0.3383	
##	1: -4	-	Med eQ	· -
	distance			0.1383
	Age_factorLess than 25 years		0000	0.0917
	Age_factor25-34 years		0000	0.0642
	Age_factor35-44 years			0.0642
	Age_factor45-54 years		0000	0.0367
	Age_factor55 years or older		0000	0.0275
	Education_factor.L Education_factor.Q			0.0243 0.0210
	Education_factor.C			0.0210
	Education_factor^4			0.0333
	Education_factor^5			0.0490 0.0211
	Education_factor^6			
	Gender_factorMale			0.0459
	Gender_factorFemale Condor_factorOthor			0.0275
	Gender_factorOther LivingAreaAffected factor I			0.0092
	LivingAreaAffected_factor.L			0.0778
	ClimateChangeAvareness_factor.L			0.1038
##	ClimateChangeAwareness_factor.Q	υ.	0000	0.1573

```
0.0000
## PreTreatment factor.L
                                                                     0.0636
## PreTreatment_factor.Q
                                                           0.0000
                                                                     0.0781
                                                                     0.0438
## PreTreatment factor.C
                                                           0.0000
## PreTreatment_factor^4
                                                           0.0000
                                                                     0.0364
## PreTreatment factor<sup>5</sup>
                                                           0.0000
                                                                    0.0393
## Income factor.L
                                                           0.0000
                                                                    0.0377
## Income factor.Q
                                                           0.0000
                                                                     0.0539
## Income factor.C
                                                           0.0000
                                                                     0.0464
## Income factor 4
                                                           0.0000
                                                                     0.0439
## PoliticalView_factorSlightly Liberal
                                                           0.0000
                                                                     0.0367
## PoliticalView_factorSlightly Conservative
                                                           0.0000
                                                                     0.1009
## PoliticalView_factorVery Conservative
                                                                     0.0275
                                                           0.0000
## PoliticalView_factorNeither Conservative nor Liberal 0.0000
                                                                     0.0183
## Community_factorSuburban
                                                           0.0000
                                                                     0.0183
## Community_factorRural
                                                           0.0000
                                                                     0.0183
##
                                                           eQQ Max
## distance
                                                           0.2916
## Age factorLess than 25 years
                                                           1.0000
## Age_factor25-34 years
                                                           1.0000
## Age factor35-44 years
                                                           1.0000
## Age_factor45-54 years
                                                           1.0000
## Age_factor55 years or older
                                                           1.0000
## Education_factor.L
                                                           0.1890
## Education factor.Q
                                                           0.5455
## Education_factor.C
                                                           0.4082
## Education factor<sup>4</sup>
                                                           0.6447
## Education_factor^5
                                                           0.4364
## Education_factor^6
                                                           0.4606
## Gender_factorMale
                                                           1.0000
## Gender_factorFemale
                                                           1.0000
## Gender_factorOther
                                                           1.0000
## LivingAreaAffected_factor.L
                                                           1.4142
## ClimateChangeAwareness_factor.L
                                                           0.7071
## ClimateChangeAwareness_factor.Q
                                                           1.2247
## PreTreatment factor.L
                                                           0.2390
## PreTreatment_factor.Q
                                                           0.6547
## PreTreatment factor.C
                                                           0.5963
## PreTreatment_factor^4
                                                           0.7559
## PreTreatment factor<sup>5</sup>
                                                           0.5669
## Income_factor.L
                                                           0.3162
## Income factor.Q
                                                           0.8018
## Income_factor.C
                                                           0.6325
## Income factor 4
                                                           0.5976
## PoliticalView_factorSlightly Liberal
                                                           1.0000
## PoliticalView_factorSlightly Conservative
                                                           1.0000
## PoliticalView_factorVery Conservative
                                                           1.0000
## PoliticalView_factorNeither Conservative nor Liberal 1.0000
## Community_factorSuburban
                                                            1.0000
## Community_factorRural
                                                            1.0000
##
##
## Summary of balance for matched data:
##
                                                          Means Treated
## distance
                                                                  0.5558
```

```
## Age factorLess than 25 years
                                                                 0.1009
## Age_factor25-34 years
                                                                 0.4495
## Age factor35-44 years
                                                                 0.1835
## Age_factor45-54 years
                                                                 0.1376
## Age_factor55 years or older
                                                                 0.1284
## Education factor.L
                                                                 0.1144
## Education factor.Q
                                                                -0.2462
## Education_factor.C
                                                                -0.2097
## Education factor 4
                                                                -0.0636
## Education_factor^5
                                                                 0.1902
## Education_factor^6
                                                                 0.2083
## Gender_factorMale
                                                                 0.6422
## Gender_factorFemale
                                                                 0.3394
## Gender_factorOther
                                                                 0.0000
## LivingAreaAffected_factor.L
                                                                -0.0195
## ClimateChangeAwareness_factor.L
                                                                 0.5384
## ClimateChangeAwareness_factor.Q
                                                                 0.1161
## PreTreatment factor.L
                                                                 0.4222
## PreTreatment_factor.Q
                                                                 0.2002
## PreTreatment factor.C
                                                                 0.0547
## PreTreatment_factor^4
                                                                -0.0277
## PreTreatment factor<sup>5</sup>
                                                                -0.0324
## Income_factor.L
                                                                -0.3307
## Income factor.Q
                                                                 0.0294
## Income_factor.C
                                                                 0.0087
## Income_factor^4
                                                                -0.0779
## PoliticalView_factorSlightly Liberal
                                                                 0.3394
## PoliticalView_factorSlightly Conservative
                                                                 0.1651
## PoliticalView_factorVery Conservative
                                                                 0.2202
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0826
## Community_factorSuburban
                                                                 0.4220
## Community_factorRural
                                                                 0.1468
##
                                                          Means Control
## distance
                                                                 0.4434
## Age factorLess than 25 years
                                                                 0.0183
## Age_factor25-34 years
                                                                 0.5413
## Age factor35-44 years
                                                                 0.2385
## Age_factor45-54 years
                                                                 0.1009
## Age_factor55 years or older
                                                                 0.1009
## Education_factor.L
                                                                 0.1058
## Education factor.Q
                                                                -0.2392
## Education factor.C
                                                                -0.1873
## Education factor 4
                                                                -0.0843
                                                                 0.1512
## Education_factor^5
## Education_factor^6
                                                                 0.2442
## Gender_factorMale
                                                                 0.6147
## Gender_factorFemale
                                                                 0.3670
## Gender_factorOther
                                                                 0.0000
## LivingAreaAffected_factor.L
                                                                -0.0843
## ClimateChangeAwareness_factor.L
                                                                 0.4476
## ClimateChangeAwareness_factor.Q
                                                                -0.0412
## PreTreatment factor.L
                                                                 0.3695
## PreTreatment_factor.Q
                                                                 0.1191
## PreTreatment factor.C
                                                                 0.0116
```

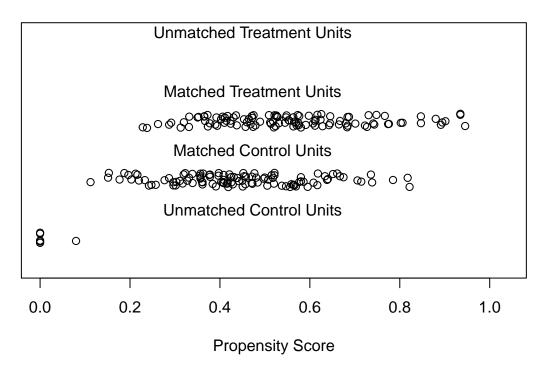
```
## PreTreatment factor 4
                                                                -0.0364
## PreTreatment_factor^5
                                                                -0.0064
## Income factor.L
                                                                -0.3278
## Income_factor.Q
                                                                -0.0172
## Income factor.C
                                                                 0.0609
## Income factor 4
                                                                -0.0230
## PoliticalView factorSlightly Liberal
                                                                 0.3028
## PoliticalView_factorSlightly Conservative
                                                                 0.2752
## PoliticalView_factorVery Conservative
                                                                 0.2018
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0642
## Community_factorSuburban
                                                                 0.4037
## Community_factorRural
                                                                 0.1284
                                                         SD Control Mean Diff
## distance
                                                             0.1536
                                                                        0.1124
## Age_factorLess than 25 years
                                                              0.1348
                                                                        0.0826
## Age_factor25-34 years
                                                              0.5006
                                                                       -0.0917
## Age_factor35-44 years
                                                              0.4282
                                                                      -0.0550
## Age factor45-54 years
                                                             0.3026
                                                                       0.0367
## Age_factor55 years or older
                                                                        0.0275
                                                             0.3026
## Education factor.L
                                                             0.2321
                                                                        0.0087
## Education_factor.Q
                                                             0.1532
                                                                     -0.0070
## Education factor.C
                                                              0.3537
                                                                       -0.0225
## Education_factor^4
                                                             0.3152
                                                                       0.0207
## Education factor<sup>5</sup>
                                                              0.4825
                                                                        0.0390
## Education factor 6
                                                             0.3683
                                                                     -0.0359
## Gender_factorMale
                                                             0.4889
                                                                       0.0275
## Gender_factorFemale
                                                             0.4842
                                                                     -0.0275
## Gender_factorOther
                                                              0.0000
                                                                        0.0000
## LivingAreaAffected_factor.L
                                                             0.7053
                                                                        0.0649
## ClimateChangeAwareness_factor.L
                                                             0.3424
                                                                        0.0908
## ClimateChangeAwareness_factor.Q
                                                             0.5930
                                                                        0.1573
## PreTreatment_factor.L
                                                              0.2690
                                                                        0.0526
## PreTreatment_factor.Q
                                                             0.4046
                                                                        0.0811
## PreTreatment_factor.C
                                                             0.4204
                                                                        0.0431
## PreTreatment factor 4
                                                              0.3963
                                                                        0.0087
## PreTreatment_factor^5
                                                             0.3428
                                                                     -0.0260
## Income factor.L
                                                             0.2948
                                                                      -0.0029
## Income_factor.Q
                                                             0.4414
                                                                       0.0466
## Income_factor.C
                                                             0.4564
                                                                       -0.0522
## Income_factor^4
                                                                      -0.0548
                                                             0.4521
## PoliticalView factorSlightly Liberal
                                                                       0.0367
                                                             0.4616
## PoliticalView_factorSlightly Conservative
                                                                       -0.1101
                                                             0.4487
## PoliticalView factorVery Conservative
                                                             0.4032
                                                                        0.0183
## PoliticalView_factorNeither Conservative nor Liberal
                                                             0.2463
                                                                        0.0183
## Community_factorSuburban
                                                              0.4929
                                                                        0.0183
## Community_factorRural
                                                              0.3361
                                                                        0.0183
                                                         eQQ Med eQQ Mean
## distance
                                                          0.1102
                                                                  0.1124
                                                          0.0000
## Age_factorLess than 25 years
                                                                   0.0826
## Age_factor25-34 years
                                                          0.0000
                                                                   0.0917
## Age_factor35-44 years
                                                          0.0000
                                                                   0.0550
## Age_factor45-54 years
                                                          0.0000
                                                                   0.0367
## Age_factor55 years or older
                                                          0.0000
                                                                    0.0275
## Education_factor.L
                                                          0.0000
                                                                  0.0121
```

```
0.0000
## Education_factor.Q
                                                                    0.0070
## Education_factor.C
                                                           0.0000
                                                                    0.0225
                                                                    0.0207
## Education factor 4
                                                           0.0000
## Education_factor^5
                                                           0.0000
                                                                    0.0390
## Education factor 6
                                                           0.0000
                                                                    0.0359
## Gender factorMale
                                                           0.0000
                                                                    0.0275
## Gender factorFemale
                                                           0.0000
                                                                    0.0275
## Gender factorOther
                                                           0.0000
                                                                    0.0000
## LivingAreaAffected factor.L
                                                           0.0000
                                                                    0.0649
## ClimateChangeAwareness_factor.L
                                                           0.0000
                                                                    0.0908
## ClimateChangeAwareness_factor.Q
                                                           0.0000
                                                                    0.1573
## PreTreatment_factor.L
                                                           0.0000
                                                                    0.0526
## PreTreatment_factor.Q
                                                           0.0000
                                                                    0.0811
## PreTreatment_factor.C
                                                                    0.0486
                                                           0.0000
## PreTreatment_factor^4
                                                           0.0000
                                                                    0.0329
## PreTreatment_factor^5
                                                           0.0000
                                                                    0.0457
## Income_factor.L
                                                           0.0000
                                                                    0.0319
## Income factor.Q
                                                           0.0000
                                                                    0.0466
## Income_factor.C
                                                                    0.0522
                                                           0.0000
## Income factor 4
                                                           0.0000
                                                                    0.0548
## PoliticalView_factorSlightly Liberal
                                                           0.0000
                                                                    0.0367
## PoliticalView_factorSlightly Conservative
                                                           0.0000
                                                                    0.1101
## PoliticalView_factorVery Conservative
                                                                    0.0183
                                                           0.0000
## PoliticalView factorNeither Conservative nor Liberal 0.0000
                                                                    0.0183
## Community factorSuburban
                                                           0.0000
                                                                    0.0183
## Community_factorRural
                                                           0.0000
                                                                    0.0183
##
                                                          eQQ Max
## distance
                                                           0.1801
## Age_factorLess than 25 years
                                                           1.0000
## Age_factor25-34 years
                                                           1.0000
## Age_factor35-44 years
                                                           1.0000
## Age_factor45-54 years
                                                           1.0000
## Age_factor55 years or older
                                                           1.0000
## Education_factor.L
                                                           0.1890
## Education factor.Q
                                                           0.3273
## Education_factor.C
                                                           0.4082
## Education factor 4
                                                           0.6447
## Education_factor^5
                                                           0.4364
## Education_factor^6
                                                           0.6908
## Gender_factorMale
                                                           1.0000
## Gender factorFemale
                                                           1.0000
## Gender factorOther
                                                           0.0000
## LivingAreaAffected factor.L
                                                           1.4142
## ClimateChangeAwareness_factor.L
                                                           0.7071
## ClimateChangeAwareness_factor.Q
                                                           1.2247
## PreTreatment_factor.L
                                                           0.2390
## PreTreatment_factor.Q
                                                           0.6547
## PreTreatment_factor.C
                                                           0.6708
## PreTreatment_factor^4
                                                           0.7559
## PreTreatment_factor^5
                                                           0.5669
## Income_factor.L
                                                           0.3162
## Income_factor.Q
                                                           0.8018
## Income_factor.C
                                                           0.6325
## Income factor 4
                                                           0.5976
```

```
## PoliticalView_factorSlightly Liberal
                                                         1.0000
## PoliticalView_factorSlightly Conservative
                                                         1.0000
## PoliticalView factorVery Conservative
                                                         1.0000
## PoliticalView_factorNeither Conservative nor Liberal 1.0000
## Community factorSuburban
                                                         1.0000
## Community factorRural
                                                         1.0000
## Percent Balance Improvement:
##
                                                        Mean Diff. eQQ Med
                                                           16.6431 11.0342
## distance
## Age_factorLess than 25 years
                                                            1.1461 0.0000
                                                          -27.0718 0.0000
## Age_factor25-34 years
## Age_factor35-44 years
                                                           19.8606 0.0000
## Age_factor45-54 years
                                                          -10.3118 0.0000
## Age_factor55 years or older
                                                          -14.2384 0.0000
## Education_factor.L
                                                            6.3518 0.0000
## Education_factor.Q
                                                           73.1845 0.0000
## Education factor.C
                                                           10.6218 0.0000
## Education_factor^4
                                                           20.7287 0.0000
## Education factor<sup>5</sup>
                                                           15.0890 0.0000
## Education_factor^6
                                                          -56.9021 0.0000
## Gender factorMale
                                                           34.7826 0.0000
## Gender_factorFemale
                                                           20.1389 0.0000
## Gender factorOther
                                                          100.0000 0.0000
## LivingAreaAffected factor.L
                                                           10.8527 0.0000
## ClimateChangeAwareness factor.L
                                                           10.8527 0.0000
## ClimateChangeAwareness_factor.Q
                                                           -1.3854 0.0000
## PreTreatment_factor.L
                                                           11.4533 0.0000
## PreTreatment_factor.Q
                                                           -6.8111 0.0000
## PreTreatment_factor.C
                                                          -46.3932 0.0000
## PreTreatment_factor^4
                                                           47.8694 0.0000
## PreTreatment_factor^5
                                                           15.3443 0.0000
## Income_factor.L
                                                           83.1871 0.0000
## Income_factor.Q
                                                            2.9751 0.0000
## Income factor.C
                                                            4.2553 0.0000
## Income factor 4
                                                           -5.6985 0.0000
## PoliticalView factorSlightly Liberal
                                                           -4.5455 0.0000
## PoliticalView_factorSlightly Conservative
                                                           -5.4240 0.0000
## PoliticalView_factorVery Conservative
                                                            9.0909 0.0000
## PoliticalView_factorNeither Conservative nor Liberal
                                                          -41.1043 0.0000
## Community factorSuburban
                                                          -37.7246 0.0000
## Community_factorRural
                                                          -12.1951 0.0000
                                                        eQQ Mean eQQ Max
## distance
                                                         18.7372 38.2166
## Age_factorLess than 25 years
                                                         10.0000
                                                                   0.0000
## Age_factor25-34 years
                                                        -42.8571
                                                                   0.0000
## Age_factor35-44 years
                                                         14.2857
                                                                   0.0000
## Age_factor45-54 years
                                                          0.0000
                                                                   0.0000
## Age_factor55 years or older
                                                          0.0000
                                                                   0.0000
## Education_factor.L
                                                         50.0000
                                                                   0.0000
## Education_factor.Q
                                                         66.6667 40.0000
## Education_factor.C
                                                          0.0000 0.0000
## Education_factor^4
                                                         37.7778
                                                                   0.0000
## Education factor<sup>5</sup>
                                                         20.4082
                                                                   0.0000
```

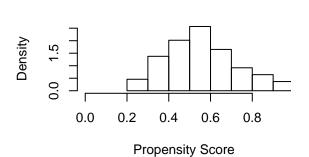
```
## Education_factor^6
                                                        -70.0000 -50.0000
## Gender_factorMale
                                                         40.0000
                                                                   0.0000
## Gender factorFemale
                                                          0.0000
                                                                   0.0000
## Gender_factorOther
                                                        100.0000 100.0000
## LivingAreaAffected_factor.L
                                                         16.6667
                                                                   0.0000
## ClimateChangeAwareness factor.L
                                                         12.5000
                                                                  0.0000
## ClimateChangeAwareness factor.Q
                                                          0.0000
                                                                   0.0000
## PreTreatment factor.L
                                                         17.2414
                                                                   0.0000
## PreTreatment factor.Q
                                                         -3.8462
                                                                   0.0000
## PreTreatment_factor.C
                                                        -10.9375 -12.5000
## PreTreatment_factor^4
                                                          9.5238
                                                                   0.0000
## PreTreatment_factor^5
                                                        -16.1765
                                                                   0.0000
## Income_factor.L
                                                                   0.0000
                                                         15.3846
## Income_factor.Q
                                                         13.6364
                                                                   0.0000
## Income_factor.C
                                                        -12.5000
                                                                   0.0000
## Income_factor^4
                                                        -25.0000
                                                                   0.0000
## PoliticalView_factorSlightly Liberal
                                                          0.0000
                                                                   0.0000
## PoliticalView_factorSlightly Conservative
                                                         -9.0909
                                                                   0.0000
## PoliticalView_factorVery Conservative
                                                         33.3333
                                                                   0.0000
## PoliticalView_factorNeither Conservative nor Liberal
                                                          0.0000
                                                                   0.0000
## Community_factorSuburban
                                                          0.0000
                                                                   0.0000
## Community_factorRural
                                                          0.0000
                                                                   0.0000
##
## Sample sizes:
##
            Control Treated
## All
                 115
## Matched
                 109
                         109
## Unmatched
                   6
                           0
## Discarded
                   0
                           0
plot(m.out, type = "jitter")
```

## **Distribution of Propensity Scores**



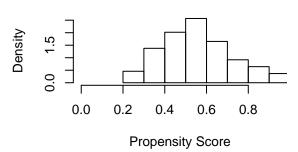
## [1] "To identify the units, use first mouse button; to stop, use second."
## integer(0)

plot(m.out, type = "hist")



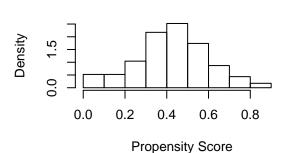
**Raw Treated** 

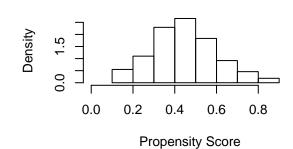
**Raw Control** 



**Matched Treated** 

**Matched Control** 





```
m.out = matchit(treat_dummy ~ Age_factor + Education_factor + Gender_factor +
                LivingAreaAffected_factor + ClimateChangeAwareness_factor +
                PreTreatment_factor + Income_factor + PoliticalView_factor +
                Community_factor,
                data = d_antitreatment_exp, method = "nearest",
                ratio = 1)
## Warning in matchit2nearest(c(`1` = 0, `2` = 0, `3` = 1, `4` = 0, `5` = 1, :
## Fewer control than treated units and matching without replacement. Not all
## treated units will receive a match. Treated units will be matched in the
## order specified by m.order: largest
summary(m.out)
##
## matchit(formula = treat_dummy ~ Age_factor + Education_factor +
       Gender_factor + LivingAreaAffected_factor + ClimateChangeAwareness_factor +
##
       PreTreatment factor + Income factor + PoliticalView factor +
##
       Community_factor, data = d_antitreatment_exp, method = "nearest",
##
##
       ratio = 1)
##
## Summary of balance for all data:
##
                                                         Means Treated
## distance
                                                                0.5770
## Age_factorLess than 25 years
                                                                0.0667
## Age_factor25-34 years
                                                                0.5000
## Age_factor35-44 years
                                                                0.2000
## Age factor45-54 years
                                                                0.1000
## Age_factor55 years or older
                                                                0.1333
## Education factor.L
                                                                0.1008
## Education factor.Q
                                                               -0.2546
## Education factor.C
                                                               -0.1633
## Education factor 4
                                                               -0.0282
## Education_factor^5
                                                                0.1255
                                                                0.2133
## Education_factor^6
## Gender factorMale
                                                                0.7000
## Gender_factorFemale
                                                                0.2917
## Gender_factorOther
                                                                0.0083
## LivingAreaAffected_factor.L
                                                               -0.1061
## ClimateChangeAwareness_factor.L
                                                                0.4360
## ClimateChangeAwareness_factor.Q
                                                               -0.0408
## PreTreatment_factor.L
                                                                0.3367
## PreTreatment factor.Q
                                                                0.0900
## PreTreatment_factor.C
                                                                0.0019
## PreTreatment factor^4
                                                               -0.1055
## PreTreatment_factor^5
                                                               -0.0961
## Income factor.L
                                                               -0.2951
## Income factor.Q
                                                                0.0267
## Income factor.C
                                                                0.0632
## Income factor 4
                                                               -0.0498
## PoliticalView_factorSlightly Liberal
                                                                0.2917
## PoliticalView_factorSlightly Conservative
                                                                0.1500
## PoliticalView_factorVery Conservative
                                                                0.2667
```

```
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0833
## Community_factorSuburban
                                                                 0.4250
## Community_factorRural
                                                                 0.1750
##
                                                         Means Control
## distance
                                                                 0.4414
## Age factorLess than 25 years
                                                                0.0174
## Age factor25-34 years
                                                                 0.5217
## Age_factor35-44 years
                                                                0.2522
## Age factor45-54 years
                                                                 0.1043
## Age_factor55 years or older
                                                                0.1043
## Education_factor.L
                                                                0.1052
## Education_factor.Q
                                                                -0.2201
## Education_factor.C
                                                                -0.1846
## Education_factor^4
                                                                -0.0897
## Education_factor^5
                                                                0.1442
## Education_factor^6
                                                                0.2311
## Gender_factorMale
                                                                0.6000
## Gender factorFemale
                                                                0.3739
## Gender_factorOther
                                                                0.0087
## LivingAreaAffected factor.L
                                                                -0.0922
## ClimateChangeAwareness_factor.L
                                                                0.4366
## ClimateChangeAwareness_factor.Q
                                                                -0.0390
## PreTreatment_factor.L
                                                                0.3627
## PreTreatment factor.Q
                                                                0.1243
## PreTreatment factor.C
                                                                0.0253
## PreTreatment factor^4
                                                                -0.0444
## PreTreatment_factor^5
                                                               -0.0016
## Income_factor.L
                                                                -0.3135
## Income_factor.Q
                                                                -0.0186
## Income_factor.C
                                                                0.0632
## Income_factor^4
                                                                -0.0260
## PoliticalView_factorSlightly Liberal
                                                                 0.3043
## PoliticalView_factorSlightly Conservative
                                                                 0.2696
## PoliticalView_factorVery Conservative
                                                                 0.2000
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0696
## Community_factorSuburban
                                                                0.4087
## Community_factorRural
                                                                0.1304
##
                                                         SD Control Mean Diff
## distance
                                                             0.1687
                                                                        0.1356
                                                                       0.0493
## Age_factorLess than 25 years
                                                             0.1313
## Age factor25-34 years
                                                                      -0.0217
                                                             0.5017
## Age factor35-44 years
                                                             0.4362
                                                                     -0.0522
## Age factor45-54 years
                                                             0.3070
                                                                     -0.0043
## Age_factor55 years or older
                                                             0.3070
                                                                       0.0290
## Education_factor.L
                                                              0.2455
                                                                       -0.0044
## Education_factor.Q
                                                             0.1851
                                                                       -0.0345
## Education_factor.C
                                                              0.3556
                                                                       0.0213
## Education_factor^4
                                                             0.3198
                                                                       0.0615
## Education_factor^5
                                                             0.4788
                                                                      -0.0187
## Education_factor^6
                                                             0.3671
                                                                       -0.0179
## Gender_factorMale
                                                             0.4920
                                                                       0.1000
## Gender_factorFemale
                                                             0.4860
                                                                      -0.0822
## Gender_factorOther
                                                             0.0933
                                                                       -0.0004
## LivingAreaAffected factor.L
                                                              0.7041
                                                                       -0.0138
```

```
## ClimateChangeAwareness factor.L
                                                              0.3577
                                                                        -0.0005
## ClimateChangeAwareness_factor.Q
                                                                        -0.0018
                                                              0.5923
                                                              0.2814
                                                                        -0.0261
## PreTreatment factor.L
## PreTreatment_factor.Q
                                                              0.4015
                                                                        -0.0343
## PreTreatment factor.C
                                                              0.4216
                                                                       -0.0234
## PreTreatment factor^4
                                                                       -0.0611
                                                              0.3968
## PreTreatment factor<sup>5</sup>
                                                                        -0.0944
                                                              0.3377
## Income_factor.L
                                                              0.3092
                                                                        0.0183
## Income factor.Q
                                                              0.4403
                                                                        0.0453
## Income_factor.C
                                                              0.4573
                                                                        0.0000
## Income_factor^4
                                                              0.4519
                                                                        -0.0238
## PoliticalView_factorSlightly Liberal
                                                              0.4621
                                                                        -0.0127
## PoliticalView_factorSlightly Conservative
                                                                        -0.1196
                                                              0.4457
## PoliticalView_factorVery Conservative
                                                              0.4018
                                                                        0.0667
## PoliticalView_factorNeither Conservative nor Liberal
                                                              0.2555
                                                                         0.0138
## Community_factorSuburban
                                                              0.4937
                                                                         0.0163
## Community_factorRural
                                                              0.3383
                                                                         0.0446
##
                                                          eQQ Med eQQ Mean
## distance
                                                           0.1341
                                                                    0.1323
## Age factorLess than 25 years
                                                           0.0000
                                                                    0.0435
## Age_factor25-34 years
                                                           0.0000
                                                                    0.0261
## Age_factor35-44 years
                                                           0.0000
                                                                    0.0522
## Age_factor45-54 years
                                                           0.0000
                                                                    0.0087
## Age factor55 years or older
                                                           0.0000
                                                                    0.0261
## Education factor.L
                                                           0.0000
                                                                    0.0263
## Education factor.Q
                                                           0.0000
                                                                    0.0370
## Education_factor.C
                                                           0.0000
                                                                    0.0248
## Education_factor^4
                                                           0.0000
                                                                    0.0589
## Education_factor^5
                                                           0.0000
                                                                    0.0256
## Education_factor^6
                                                           0.0000
                                                                    0.0320
## Gender_factorMale
                                                           0.0000
                                                                    0.0957
## Gender_factorFemale
                                                           0.0000
                                                                    0.0870
## Gender_factorOther
                                                           0.0000
                                                                    0.0000
                                                                    0.0246
## LivingAreaAffected_factor.L
                                                           0.0000
## ClimateChangeAwareness factor.L
                                                           0.0000
                                                                    0.0061
## ClimateChangeAwareness_factor.Q
                                                           0.0000
                                                                    0.0106
## PreTreatment factor.L
                                                           0.0000
                                                                    0.0333
## PreTreatment_factor.Q
                                                           0.0000
                                                                    0.0427
## PreTreatment_factor.C
                                                           0.0000
                                                                    0.0272
                                                                    0.0624
## PreTreatment_factor^4
                                                           0.0000
## PreTreatment factor<sup>5</sup>
                                                                    0.0997
                                                           0.0000
## Income_factor.L
                                                           0.0000
                                                                    0.0275
## Income factor.Q
                                                           0.0000
                                                                    0.0372
## Income_factor.C
                                                           0.0000
                                                                    0.0192
## Income_factor^4
                                                           0.0000
                                                                    0.0260
## PoliticalView_factorSlightly Liberal
                                                           0.0000
                                                                    0.0174
## PoliticalView_factorSlightly Conservative
                                                           0.0000
                                                                    0.1217
## PoliticalView_factorVery Conservative
                                                           0.0000
                                                                    0.0609
## PoliticalView_factorNeither Conservative nor Liberal
                                                           0.0000
                                                                    0.0087
## Community_factorSuburban
                                                           0.0000
                                                                    0.0087
## Community_factorRural
                                                           0.0000
                                                                    0.0435
##
                                                          eQQ Max
## distance
                                                           0.2140
## Age_factorLess than 25 years
                                                           1.0000
```

```
## Age factor25-34 years
                                                           1.0000
## Age_factor35-44 years
                                                           1,0000
## Age factor45-54 years
                                                           1.0000
## Age_factor55 years or older
                                                           1.0000
## Education_factor.L
                                                           0.1890
## Education factor.Q
                                                           0.5455
## Education factor.C
                                                           0.4082
## Education factor 4
                                                           0.6447
## Education factor<sup>5</sup>
                                                           0.4364
## Education_factor^6
                                                           0.4606
## Gender_factorMale
                                                           1.0000
## Gender_factorFemale
                                                           1.0000
## Gender_factorOther
                                                           0.0000
## LivingAreaAffected_factor.L
                                                           1.4142
## ClimateChangeAwareness_factor.L
                                                           0.7071
## ClimateChangeAwareness_factor.Q
                                                           1.2247
## PreTreatment_factor.L
                                                           0.2390
## PreTreatment factor.Q
                                                           0.6547
## PreTreatment_factor.C
                                                           0.5963
## PreTreatment factor 4
                                                           0.7559
## PreTreatment_factor^5
                                                           0.3780
## Income factor.L
                                                           0.3162
## Income_factor.Q
                                                           0.8018
## Income factor.C
                                                           0.3162
## Income_factor^4
                                                           0.5976
## PoliticalView_factorSlightly Liberal
                                                           1.0000
## PoliticalView_factorSlightly Conservative
                                                           1.0000
## PoliticalView_factorVery Conservative
                                                           1.0000
## PoliticalView_factorNeither Conservative nor Liberal 1.0000
## Community_factorSuburban
                                                           1.0000
## Community_factorRural
                                                           1.0000
##
##
## Summary of balance for matched data:
##
                                                          Means Treated
## distance
                                                                 0.5926
## Age factorLess than 25 years
                                                                 0.0696
## Age_factor25-34 years
                                                                 0.4957
## Age_factor35-44 years
                                                                 0.1913
## Age_factor45-54 years
                                                                 0.1043
## Age factor55 years or older
                                                                 0.1391
## Education factor.L
                                                                 0.1085
## Education factor.Q
                                                                -0.2600
## Education_factor.C
                                                                -0.1739
## Education_factor^4
                                                                -0.0161
## Education_factor^5
                                                                 0.1271
## Education_factor^6
                                                                 0.2191
## Gender_factorMale
                                                                 0.7043
## Gender_factorFemale
                                                                 0.2870
## Gender_factorOther
                                                                 0.0087
## LivingAreaAffected_factor.L
                                                                -0.1291
## ClimateChangeAwareness_factor.L
                                                                 0.4366
## ClimateChangeAwareness_factor.Q
                                                                -0.0390
## PreTreatment factor.L
                                                                 0.3378
```

```
## PreTreatment_factor.Q
                                                                 0.0958
## PreTreatment_factor.C
                                                                 0.0032
## PreTreatment factor 4
                                                                -0.1232
## PreTreatment_factor^5
                                                                -0.1178
## Income_factor.L
                                                                -0.2915
## Income factor.Q
                                                                 0.0279
## Income factor.C
                                                                 0.0605
## Income factor 4
                                                                -0.0520
## PoliticalView_factorSlightly Liberal
                                                                 0.2957
## PoliticalView_factorSlightly Conservative
                                                                 0.1304
## PoliticalView_factorVery Conservative
                                                                 0.2696
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0870
## Community_factorSuburban
                                                                 0.4174
## Community_factorRural
                                                                 0.1826
##
                                                          Means Control
## distance
                                                                 0.4414
## Age_factorLess than 25 years
                                                                 0.0174
## Age factor25-34 years
                                                                 0.5217
## Age_factor35-44 years
                                                                 0.2522
## Age factor45-54 years
                                                                 0.1043
## Age_factor55 years or older
                                                                 0.1043
## Education_factor.L
                                                                 0.1052
## Education_factor.Q
                                                                -0.2201
## Education factor.C
                                                                -0.1846
## Education_factor^4
                                                                -0.0897
## Education factor<sup>5</sup>
                                                                 0.1442
## Education_factor^6
                                                                 0.2311
## Gender_factorMale
                                                                 0.6000
## Gender_factorFemale
                                                                 0.3739
## Gender_factorOther
                                                                 0.0087
## LivingAreaAffected_factor.L
                                                                -0.0922
## ClimateChangeAwareness_factor.L
                                                                 0.4366
## ClimateChangeAwareness_factor.Q
                                                                -0.0390
## PreTreatment_factor.L
                                                                 0.3627
## PreTreatment factor.Q
                                                                 0.1243
## PreTreatment_factor.C
                                                                 0.0253
## PreTreatment factor 4
                                                                -0.0444
## PreTreatment_factor^5
                                                                -0.0016
## Income_factor.L
                                                                -0.3135
## Income_factor.Q
                                                                -0.0186
## Income factor.C
                                                                 0.0632
## Income factor 4
                                                                -0.0260
## PoliticalView_factorSlightly Liberal
                                                                 0.3043
## PoliticalView_factorSlightly Conservative
                                                                 0.2696
## PoliticalView_factorVery Conservative
                                                                 0.2000
## PoliticalView_factorNeither Conservative nor Liberal
                                                                 0.0696
## Community_factorSuburban
                                                                 0.4087
## Community_factorRural
                                                                 0.1304
##
                                                          SD Control Mean Diff
## distance
                                                              0.1687
                                                                        0.1511
## Age_factorLess than 25 years
                                                                        0.0522
                                                              0.1313
## Age_factor25-34 years
                                                              0.5017
                                                                       -0.0261
## Age_factor35-44 years
                                                              0.4362
                                                                       -0.0609
## Age_factor45-54 years
                                                              0.3070
                                                                        0.0000
```

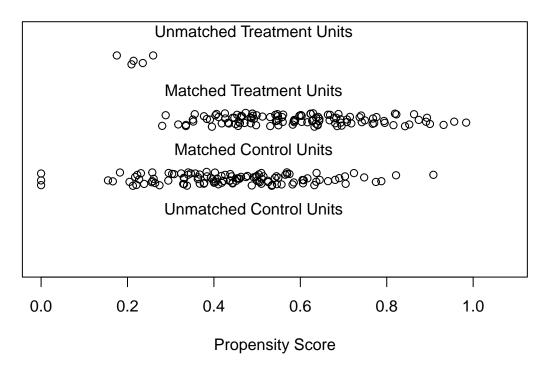
```
## Age_factor55 years or older
                                                               0.3070
                                                                         0.0348
## Education_factor.L
                                                               0.2455
                                                                         0.0033
## Education factor.Q
                                                               0.1851
                                                                        -0.0398
## Education_factor.C
                                                               0.3556
                                                                         0.0106
## Education factor 4
                                                               0.3198
                                                                         0.0736
## Education factor<sup>5</sup>
                                                               0.4788
                                                                        -0.0171
## Education factor 6
                                                                        -0.0120
                                                               0.3671
## Gender factorMale
                                                               0.4920
                                                                         0.1043
## Gender factorFemale
                                                               0.4860
                                                                        -0.0870
## Gender_factorOther
                                                               0.0933
                                                                         0.0000
## LivingAreaAffected_factor.L
                                                               0.7041
                                                                        -0.0369
## ClimateChangeAwareness_factor.L
                                                               0.3577
                                                                         0.0000
## ClimateChangeAwareness_factor.Q
                                                               0.5923
                                                                         0.0000
## PreTreatment_factor.L
                                                               0.2814
                                                                        -0.0249
## PreTreatment_factor.Q
                                                                        -0.0285
                                                               0.4015
## PreTreatment_factor.C
                                                               0.4216
                                                                        -0.0220
## PreTreatment_factor^4
                                                               0.3968
                                                                        -0.0789
## PreTreatment factor<sup>5</sup>
                                                               0.3377
                                                                        -0.1161
## Income_factor.L
                                                                         0.0220
                                                               0.3092
## Income factor.Q
                                                               0.4403
                                                                         0.0465
## Income_factor.C
                                                               0.4573
                                                                        -0.0027
## Income factor 4
                                                                        -0.0260
                                                               0.4519
## PoliticalView_factorSlightly Liberal
                                                                        -0.0087
                                                               0.4621
## PoliticalView factorSlightly Conservative
                                                                        -0.1391
                                                               0.4457
## PoliticalView_factorVery Conservative
                                                               0.4018
                                                                         0.0696
## PoliticalView_factorNeither Conservative nor Liberal
                                                               0.2555
                                                                         0.0174
## Community_factorSuburban
                                                               0.4937
                                                                         0.0087
## Community_factorRural
                                                               0.3383
                                                                         0.0522
##
                                                           eQQ Med eQQ Mean
## distance
                                                            0.1475
                                                                     0.1511
## Age_factorLess than 25 years
                                                            0.0000
                                                                     0.0522
## Age_factor25-34 years
                                                            0.0000
                                                                     0.0261
## Age_factor35-44 years
                                                            0.0000
                                                                     0.0609
                                                                     0.0000
## Age_factor45-54 years
                                                            0.0000
## Age_factor55 years or older
                                                            0.0000
                                                                     0.0348
## Education_factor.L
                                                            0.0000
                                                                     0.0296
## Education factor.Q
                                                            0.0000
                                                                     0.0398
## Education_factor.C
                                                            0.0000
                                                                     0.0248
## Education_factor^4
                                                            0.0000
                                                                     0.0736
                                                                     0.0266
## Education_factor^5
                                                            0.0000
## Education factor 6
                                                                     0.0441
                                                            0.0000
## Gender factorMale
                                                            0.0000
                                                                     0.1043
## Gender factorFemale
                                                            0.0000
                                                                     0.0870
## Gender_factorOther
                                                            0.0000
                                                                     0.0000
## LivingAreaAffected_factor.L
                                                            0.0000
                                                                     0.0369
## ClimateChangeAwareness_factor.L
                                                            0.0000
                                                                     0.0000
## ClimateChangeAwareness_factor.Q
                                                            0.0000
                                                                     0.0000
## PreTreatment_factor.L
                                                            0.0000
                                                                     0.0374
## PreTreatment_factor.Q
                                                            0.0000
                                                                     0.0512
## PreTreatment_factor.C
                                                            0.0000
                                                                     0.0246
## PreTreatment_factor^4
                                                            0.0000
                                                                     0.0789
## PreTreatment factor<sup>5</sup>
                                                            0.0000
                                                                     0.1161
## Income_factor.L
                                                            0.0000
                                                                     0.0275
## Income factor.Q
                                                            0.0000
                                                                     0.0465
```

```
0.0000
## Income factor.C
                                                                    0.0192
## Income_factor^4
                                                           0.0000
                                                                    0.0260
## PoliticalView factorSlightly Liberal
                                                           0.0000
                                                                    0.0087
## PoliticalView_factorSlightly Conservative
                                                           0.0000
                                                                    0.1391
## PoliticalView_factorVery Conservative
                                                           0.0000
                                                                    0.0696
## PoliticalView factorNeither Conservative nor Liberal 0.0000
                                                                    0.0174
## Community factorSuburban
                                                           0.0000
                                                                    0.0087
## Community_factorRural
                                                                    0.0522
                                                           0.0000
##
                                                          eQQ Max
## distance
                                                           0.3174
## Age_factorLess than 25 years
                                                           1.0000
## Age_factor25-34 years
                                                           1.0000
## Age_factor35-44 years
                                                           1.0000
## Age_factor45-54 years
                                                           0.0000
## Age_factor55 years or older
                                                           1,0000
## Education_factor.L
                                                           0.1890
## Education_factor.Q
                                                           0.5455
## Education factor.C
                                                           0.4082
## Education_factor^4
                                                           0.6447
## Education factor<sup>5</sup>
                                                           0.4364
## Education_factor^6
                                                           0.6908
## Gender factorMale
                                                           1.0000
## Gender_factorFemale
                                                           1.0000
## Gender factorOther
                                                           0.0000
## LivingAreaAffected factor.L
                                                          1.4142
## ClimateChangeAwareness factor.L
                                                           0.0000
## ClimateChangeAwareness_factor.Q
                                                           0.0000
## PreTreatment_factor.L
                                                           0.2390
## PreTreatment_factor.Q
                                                           0.6547
## PreTreatment_factor.C
                                                           0.2236
## PreTreatment_factor^4
                                                           0.7559
## PreTreatment_factor^5
                                                           0.5669
## Income_factor.L
                                                           0.3162
## Income_factor.Q
                                                           0.8018
## Income factor.C
                                                           0.3162
## Income factor 4
                                                           0.5976
## PoliticalView factorSlightly Liberal
                                                           1.0000
## PoliticalView_factorSlightly Conservative
                                                           1.0000
## PoliticalView_factorVery Conservative
                                                           1.0000
## PoliticalView_factorNeither Conservative nor Liberal 1.0000
## Community factorSuburban
                                                           1.0000
## Community_factorRural
                                                           1.0000
## Percent Balance Improvement:
                                                                       Mean Diff.
                                                                         -11.4916
## distance
## Age_factorLess than 25 years
                                                                          -5.8824
## Age_factor25-34 years
                                                                         -20.0000
## Age_factor35-44 years
                                                                         -16.6667
## Age_factor45-54 years
                                                                         100.0000
                                                                         -20.0000
## Age_factor55 years or older
## Education_factor.L
                                                                          25.0000
## Education_factor.Q
                                                                         -15.5963
## Education factor.C
                                                                          50.0000
```

```
## Education factor 4
                                                                         -19.6581
                                                                           8.8608
## Education_factor^5
## Education factor 6
                                                                          32.7103
## Gender_factorMale
                                                                          -4.3478
## Gender factorFemale
                                                                          -5.7269
## Gender factorOther
                                                                         100.0000
## LivingAreaAffected factor.L
                                                                        -166.6667
## ClimateChangeAwareness factor.L
                                                                         100.0000
## ClimateChangeAwareness factor.Q
                                                                         100.0000
## PreTreatment_factor.L
                                                                           4.3189
## PreTreatment_factor.Q
                                                                          16.9550
## PreTreatment_factor.C
                                                                           5.8824
## PreTreatment_factor^4
                                                                         -29.0034
## PreTreatment_factor^5
                                                                         -22.9877
## Income_factor.L
                                                                         -20.0000
## Income_factor.Q
                                                                          -2.5641
## Income_factor.C
                                                         -19814445206227752.0000
## Income factor<sup>4</sup>
                                                                          -9.0909
## PoliticalView_factorSlightly Liberal
                                                                          31.4286
## PoliticalView factorSlightly Conservative
                                                                         -16.3636
                                                                          -4.3478
## PoliticalView_factorVery Conservative
## PoliticalView_factorNeither Conservative nor Liberal
                                                                         -26.3158
## Community_factorSuburban
                                                                          46.6667
## Community factorRural
                                                                         -17.0732
##
                                                          eQQ Med eQQ Mean
## distance
                                                         -10.0421 -14.2486
## Age_factorLess than 25 years
                                                           0.0000 -20.0000
## Age_factor25-34 years
                                                           0.0000
                                                                     0.0000
## Age_factor35-44 years
                                                           0.0000 -16.6667
## Age_factor45-54 years
                                                           0.0000 100.0000
## Age_factor55 years or older
                                                           0.0000 -33.3333
## Education_factor.L
                                                           0.0000 -12.5000
## Education_factor.Q
                                                           0.0000
                                                                   -7.6923
## Education_factor.C
                                                           0.0000
                                                                     0.0000
## Education factor 4
                                                           0.0000 -25.0000
## Education factor<sup>5</sup>
                                                           0.0000
                                                                    -3.7037
## Education factor 6
                                                           0.0000 -37.5000
## Gender_factorMale
                                                           0.0000
                                                                   -9.0909
## Gender factorFemale
                                                           0.0000
                                                                      0.0000
## Gender_factorOther
                                                           0.0000
                                                                     0.0000
## LivingAreaAffected factor.L
                                                           0.0000 -50.0000
## ClimateChangeAwareness_factor.L
                                                           0.0000 100.0000
## ClimateChangeAwareness factor.Q
                                                           0.0000 100.0000
## PreTreatment_factor.L
                                                           0.0000 -12.5000
                                                           0.0000 -20.0000
## PreTreatment_factor.Q
## PreTreatment_factor.C
                                                           0.0000
                                                                      9.5238
## PreTreatment_factor^4
                                                           0.0000 -26.3158
                                                           0.0000 -16.4835
## PreTreatment_factor^5
## Income_factor.L
                                                           0.0000
                                                                     0.0000
## Income_factor.Q
                                                           0.0000 -25.0000
## Income_factor.C
                                                           0.0000
                                                                     0.0000
                                                           0.0000
## Income factor 4
                                                                     0.0000
## PoliticalView_factorSlightly Liberal
                                                           0.0000 50.0000
                                                           0.0000 -14.2857
## PoliticalView_factorSlightly Conservative
```

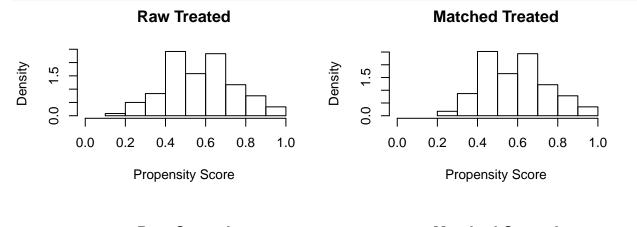
```
## PoliticalView_factorVery Conservative
                                                           0.0000 -14.2857
## PoliticalView_factorNeither Conservative nor Liberal
                                                           0.0000 -100.0000
## Community factorSuburban
                                                           0.0000
                                                                     0.0000
## Community_factorRural
                                                           0.0000 -20.0000
                                                          eQQ Max
## distance
                                                         -48.3174
## Age factorLess than 25 years
                                                           0.0000
## Age_factor25-34 years
                                                           0.0000
## Age factor35-44 years
                                                           0.0000
## Age_factor45-54 years
                                                         100.0000
## Age_factor55 years or older
                                                           0.0000
                                                           0.0000
## Education_factor.L
## Education_factor.Q
                                                           0.0000
## Education_factor.C
                                                           0.0000
## Education_factor^4
                                                           0.0000
## Education_factor^5
                                                           0.0000
## Education_factor^6
                                                         -50.0000
## Gender factorMale
                                                           0.0000
## Gender_factorFemale
                                                           0.0000
## Gender factorOther
                                                           0.0000
## LivingAreaAffected_factor.L
                                                           0.0000
## ClimateChangeAwareness factor.L
                                                         100.0000
## ClimateChangeAwareness_factor.Q
                                                         100.0000
## PreTreatment factor.L
                                                           0.0000
## PreTreatment factor.Q
                                                           0.0000
## PreTreatment factor.C
                                                          62.5000
## PreTreatment_factor^4
                                                           0.0000
## PreTreatment_factor^5
                                                         -50.0000
## Income_factor.L
                                                           0.0000
## Income_factor.Q
                                                           0.0000
## Income_factor.C
                                                           0.0000
## Income_factor^4
                                                           0.0000
## PoliticalView_factorSlightly Liberal
                                                           0.0000
## PoliticalView_factorSlightly Conservative
                                                           0.0000
## PoliticalView factorVery Conservative
                                                           0.0000
## PoliticalView_factorNeither Conservative nor Liberal
                                                           0.0000
## Community factorSuburban
                                                           0.0000
## Community_factorRural
                                                           0.0000
##
## Sample sizes:
             Control Treated
## All
                 115
                         120
                 115
                         115
## Matched
## Unmatched
                   0
                           5
## Discarded
                   0
plot(m.out, type = "jitter")
```

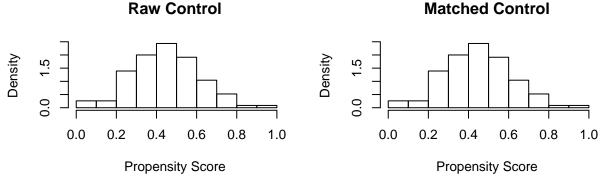
## **Distribution of Propensity Scores**



## [1] "To identify the units, use first mouse button; to stop, use second."
## integer(0)

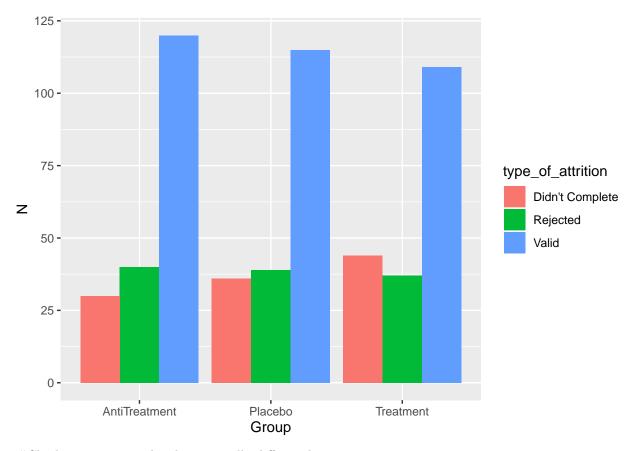
plot(m.out, type = "hist")





#Check if there is differential attrition

```
d_attrition_row <- d[,</pre>
                     .(type_of_attrition = ifelse(Progress==100 &
                                                   RejectedOutcomeQuestions!="Yes" &
                                                   RejectedCovariateQuestions!="Yes",
                                                   "Valid",
                                                   ifelse(Progress==100,
                                                          "Rejected",
                                                          "Didn't Complete")
                                                   )
                      ), by=.(Group)]
(d_attrition_summary_table <- table(d_attrition_row$Group,d_attrition_row$type_of_attrition))</pre>
##
##
                    Didn't Complete Rejected Valid
##
     AntiTreatment
                                 30
                                          40
                                                120
##
     Placebo
                                 36
                                          39
                                                115
     Treatment
                                 44
                                          37
                                                109
chisq.test(d_attrition_summary_table)
##
##
    Pearson's Chi-squared test
## data: d_attrition_summary_table
## X-squared = 3.3407, df = 4, p-value = 0.5025
ggplot(d_attrition_row[,.N,by=.(Group,type_of_attrition)],
       aes(x=Group,fill=type_of_attrition,y=N))+geom_bar(position="dodge", stat="identity")
```



#Check survey time taken has statically different between groups

```
#Rank sum test for time taken to answer survey comparing treatment and placebo (d_treatment_exp[,wilcox.test(SurveyTime~Group)])
```

```
##
##
   Wilcoxon rank sum test with continuity correction
##
## data: SurveyTime by Group
## W = 5890, p-value = 0.4368
\#\# alternative hypothesis: true location shift is not equal to 0
#t test for time taken to answer survey comparing treatment and placebo
(d_treatment_exp[,t.test(SurveyTime~Group)])
##
##
   Welch Two Sample t-test
##
## data: SurveyTime by Group
## t = -1.0366, df = 130.69, p-value = 0.3018
\#\# alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##
   -34.01782 10.62457
## sample estimates:
##
     mean in group Placebo mean in group Treatment
##
                  50.11910
                                          61.81572
#Rank sum test for time taken to answer survey comparing antitreatment and placebo
(d_antitreatment_exp[,wilcox.test(SurveyTime~Group)])
```

```
##
## Wilcoxon rank sum test with continuity correction
##
## data: SurveyTime by Group
## W = 7884, p-value = 0.05904
## alternative hypothesis: true location shift is not equal to 0
#t test for time taken to answer survey comparing antitreatment and placebo
(d_antitreatment_exp[,t.test(SurveyTime~Group)])
##
   Welch Two Sample t-test
##
##
## data: SurveyTime by Group
## t = 1.6747, df = 146.35, p-value = 0.09613
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -3.255695 39.409137
## sample estimates:
## mean in group AntiTreatment
                                     mean in group Placebo
##
                      68.19582
                                                   50.11910
#d_treatment_exp[,plot(treat_dummy,jitter(Y2_num))]
\#lm\_treat\_test <- d\_treatment\_exp[,lm(Y1\_num~treat\_dummy+PreTreatment\_factor+Education\_factor+ClimateChapter]
lm_treat_test <- d_treatment_exp[,lm(Y1_num~treat_dummy+Age_factor+Education_factor+Gender_factor+</pre> Liv
print(summary(lm_treat_test))
##
## Call:
## lm(formula = Y1_num ~ treat_dummy + Age_factor + Education_factor +
##
       Gender_factor + LivingAreaAffected_factor + ClimateChangeAwareness_factor +
       PreTreatment_factor + Income_factor + PoliticalView_factor +
##
##
       Community_factor)
##
## Residuals:
##
        Min
                  1Q
                       Median
                                             Max
## -2.74372 -0.24762 0.00274 0.27943
##
## Coefficients:
##
                                                          Estimate Std. Error
## (Intercept)
                                                          2.815884
                                                                     0.454350
## treat_dummy
                                                          0.221123
                                                                     0.088370
## Age factor.L
                                                         -0.062307
                                                                     0.153450
## Age_factor.Q
                                                         -0.166594
                                                                     0.140905
## Age_factor.C
                                                          0.103122
                                                                     0.118700
## Age_factor^4
                                                                     0.100606
                                                         -0.094707
## Education_factor.L
                                                         -0.249098
                                                                     0.519276
## Education_factor.Q
                                                                     0.501878
                                                         -0.158577
## Education_factor.C
                                                         -0.456997
                                                                     0.381406
## Education_factor^4
                                                         -0.314811
                                                                     0.263398
## Education_factor^5
                                                         -0.002984
                                                                     0.147156
## Education_factor^6
                                                          0.053827
                                                                     0.138340
## Gender_factorMale
                                                          0.144901
                                                                     0.323275
## Gender_factorFemale
                                                          0.045161
                                                                     0.329398
## Gender_factorOther
                                                         -0.638946
                                                                     0.708571
```

```
## LivingAreaAffected factor.L
                                                          -0.056176
                                                                       0.067532
## ClimateChangeAwareness_factor.L
                                                           0.426335
                                                                       0.505350
## ClimateChangeAwareness factor.Q
                                                          -0.244444
                                                                      0.292804
## PreTreatment_factor.L
                                                           2.507453
                                                                      0.168840
## PreTreatment factor.Q
                                                          -0.442671
                                                                      0.152437
## PreTreatment factor.C
                                                           0.315028
                                                                      0.141097
## PreTreatment factor<sup>4</sup>
                                                           0.161281
                                                                      0.134642
## Income_factor.L
                                                           0.012927
                                                                      0.411667
## Income factor.Q
                                                           0.046858
                                                                       0.349527
## Income_factor.C
                                                           0.015568
                                                                      0.225625
## Income_factor^4
                                                           0.130609
                                                                       0.134030
## PoliticalView_factorSlightly Liberal
                                                           0.018529
                                                                      0.131040
## PoliticalView_factorSlightly Conservative
                                                                      0.147084
                                                          -0.068912
## PoliticalView_factorVery Conservative
                                                          -0.236884
                                                                      0.150688
## PoliticalView_factorNeither Conservative nor Liberal -0.040798
                                                                       0.201896
## Community_factorSuburban
                                                           0.143284
                                                                       0.101572
## Community_factorRural
                                                          -0.126208
                                                                       0.140934
##
                                                          t value
## (Intercept)
                                                            6.198
## treat dummy
                                                            2.502
## Age_factor.L
                                                           -0.406
## Age factor.Q
                                                           -1.182
## Age_factor.C
                                                            0.869
## Age factor<sup>4</sup>
                                                           -0.941
## Education factor.L
                                                           -0.480
## Education_factor.Q
                                                           -0.316
## Education_factor.C
                                                           -1.198
## Education_factor^4
                                                           -1.195
## Education_factor^5
                                                           -0.020
## Education_factor^6
                                                            0.389
## Gender_factorMale
                                                            0.448
## Gender_factorFemale
                                                            0.137
## Gender_factorOther
                                                           -0.902
## LivingAreaAffected_factor.L
                                                           -0.832
## ClimateChangeAwareness factor.L
                                                            0.844
## ClimateChangeAwareness_factor.Q
                                                           -0.835
## PreTreatment factor.L
                                                           14.851
## PreTreatment_factor.Q
                                                           -2.904
## PreTreatment_factor.C
                                                            2.233
## PreTreatment_factor^4
                                                            1.198
## Income factor.L
                                                            0.031
## Income_factor.Q
                                                            0.134
## Income factor.C
                                                            0.069
## Income_factor^4
                                                            0.974
## PoliticalView_factorSlightly Liberal
                                                            0.141
## PoliticalView_factorSlightly Conservative
                                                           -0.469
## PoliticalView_factorVery Conservative
                                                           -1.572
## PoliticalView_factorNeither Conservative nor Liberal
                                                          -0.202
## Community_factorSuburban
                                                            1.411
## Community_factorRural
                                                           -0.896
##
                                                                       Pr(>|t|)
                                                                 0.0000000343
## (Intercept)
## treat_dummy
                                                                        0.01318
## Age_factor.L
                                                                        0.68516
```

```
## Age_factor.Q
                                                                        0.23854
                                                                        0.38606
## Age_factor.C
## Age factor<sup>4</sup>
                                                                        0.34770
## Education_factor.L
                                                                        0.63198
## Education_factor.Q
                                                                        0.75237
## Education factor.C
                                                                        0.23232
## Education factor 4
                                                                        0.23349
## Education_factor^5
                                                                        0.98384
## Education factor 6
                                                                        0.69764
## Gender_factorMale
                                                                        0.65449
## Gender_factorFemale
                                                                        0.89109
## Gender_factorOther
                                                                        0.36833
## LivingAreaAffected_factor.L
                                                                        0.40653
## ClimateChangeAwareness_factor.L
                                                                        0.39992
## ClimateChangeAwareness_factor.Q
                                                                        0.40485
## PreTreatment_factor.L
                                                           < 0.000000000000000000002
## PreTreatment_factor.Q
                                                                        0.00412
## PreTreatment factor.C
                                                                        0.02672
## PreTreatment_factor^4
                                                                        0.23245
## Income_factor.L
                                                                        0.97498
## Income_factor.Q
                                                                        0.89350
## Income_factor.C
                                                                        0.94506
## Income_factor^4
                                                                        0.33105
## PoliticalView_factorSlightly Liberal
                                                                        0.88770
## PoliticalView_factorSlightly Conservative
                                                                        0.63995
## PoliticalView_factorVery Conservative
                                                                        0.11759
## PoliticalView_factorNeither Conservative nor Liberal
                                                                        0.84007
## Community_factorSuburban
                                                                        0.15996
## Community_factorRural
                                                                        0.37164
##
## (Intercept)
                                                           ***
## treat_dummy
## Age_factor.L
## Age_factor.Q
## Age_factor.C
## Age_factor^4
## Education factor.L
## Education_factor.Q
## Education_factor.C
## Education_factor^4
## Education factor<sup>5</sup>
## Education_factor^6
## Gender_factorMale
## Gender_factorFemale
## Gender_factorOther
## LivingAreaAffected_factor.L
## ClimateChangeAwareness_factor.L
## ClimateChangeAwareness_factor.Q
## PreTreatment_factor.L
                                                           ***
## PreTreatment_factor.Q
## PreTreatment_factor.C
## PreTreatment factor 4
## Income_factor.L
## Income_factor.Q
```

```
## Income_factor.C
## Income_factor^4
## PoliticalView factorSlightly Liberal
## PoliticalView_factorSlightly Conservative
## PoliticalView_factorVery Conservative
## PoliticalView factorNeither Conservative nor Liberal
## Community factorSuburban
## Community_factorRural
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.6147 on 192 degrees of freedom
## Multiple R-squared: 0.7155, Adjusted R-squared: 0.6695
## F-statistic: 15.57 on 31 and 192 DF, p-value: < 0.000000000000000022
lm_treat_test_2 <- d_treatment_exp[,lm(Y1_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_treat_test_2,se=list(sqrt(diag(vcovHC(lm_treat_test_2)))),type='text',header=F)
## -----
                               Dependent variable:
##
                                     Y1 num
## -----
## treat_dummy
                                     0.204**
##
                                     (0.085)
##
## PreTreatmentSomewhat agree
                                     0.292
##
                                    (0.221)
## PreTreatmentSomewhat disagree
                                  -1.040***
##
                                    (0.374)
##
## PreTreatmentStrongly agree
                                   1.041***
                                    (0.205)
## PreTreatmentStrongly disagree
                                  -2.576***
##
                                     (0.245)
##
                                    3.715 ***
## Constant
##
                                     (0.207)
## -----
## Observations
                                       224
## R2
                                      0.675
## Adjusted R2
                                     0.668
                           0.616 \text{ (df = 218)}
## Residual Std. Error
## F Statistic
                            90.660*** (df = 5; 218)
## Note:
                            *p<0.1; **p<0.05; ***p<0.01
lm_treat_test_3 <- d_treatment_exp[,lm(Y2_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_treat_test_3,se=list(sqrt(diag(vcovHC(lm_treat_test_3)))),type='text',header=F)
```

##

```
##
                                Dependent variable:
##
##
                                      Y2_num
                                      0.023
## treat dummy
                                      (0.096)
##
##
## PreTreatmentSomewhat agree
                                       0.274
##
                                      (0.182)
                                     -0.890**
## PreTreatmentSomewhat disagree
                                      (0.421)
##
## PreTreatmentStrongly agree
                                     0.748***
##
                                      (0.163)
##
## PreTreatmentStrongly disagree
                                     -1.540***
##
                                      (0.424)
##
## Constant
                                     4.033***
##
                                      (0.165)
##
## Observations
                                        224
                                       0.421
## Adjusted R2
                                       0.408
## Residual Std. Error
                                0.696 (df = 218)
                             31.697*** (df = 5; 218)
## F Statistic
*p<0.1; **p<0.05; ***p<0.01
## Note:
lm_treat_test_4 <- d_treatment_exp[,lm(Y3_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_treat_test_4,se=list(sqrt(diag(vcovHC(lm_treat_test_4)))),type='text',header=F)
##
                                Dependent variable:
##
                                      Y3_num
## -----
## treat_dummy
                                       0.137
##
                                      (0.174)
##
## PreTreatmentSomewhat agree
                                       0.046
##
                                      (0.282)
##
## PreTreatmentSomewhat disagree
                                       0.052
##
                                      (0.370)
##
## PreTreatmentStrongly agree
                                       0.298
                                       (0.282)
##
                                   -0.956**
## PreTreatmentStrongly disagree
##
                                       (0.393)
```

```
##
## Constant
                                 3.115***
##
                                 (0.264)
##
## Observations
                                   224
                                  0.047
## R2
## Adjusted R2
                                  0.025
                            1.291 (df = 218)
## Residual Std. Error
## F Statistic
                           2.138* (df = 5; 218)
*p<0.1; **p<0.05; ***p<0.01
## Note:
lm_treat_test_5 <- d_treatment_exp[,lm(Y4_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_treat_test_5,se=list(sqrt(diag(vcovHC(lm_treat_test_5)))),type='text',header=F)
##
Dependent variable:
##
                                 Y4_num
## -----
## treat dummy
                                  0.040
##
                                  (0.128)
                                 0.636**
## PreTreatmentSomewhat agree
##
                                 (0.277)
##
## PreTreatmentSomewhat disagree
                                 -0.366
                                 (0.451)
##
## PreTreatmentStrongly agree
                               1.191***
##
                                 (0.265)
## PreTreatmentStrongly disagree
                                -1.605***
##
                                 (0.495)
##
## Constant
                                 3.194***
##
                                 (0.264)
## -----
## Observations
                                   224
                                  0.357
## R2
## Adjusted R2
                                  0.343
## Residual Std. Error
                            0.941 (df = 218)
                          24.244*** (df = 5; 218)
## F Statistic
*p<0.1; **p<0.05; ***p<0.01
## Note:
lm_treat_test_6 <- d_treatment_exp[,lm(Y5_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_treat_test_6,se=list(sqrt(diag(vcovHC(lm_treat_test_6)))),type='text',header=F)
##
##
                             Dependent variable:
```

```
##
                                  Y5_num
## -----
                                   0.094
## treat_dummy
                                   (0.185)
##
## PreTreatmentSomewhat agree
                                  0.611**
##
                                  (0.310)
##
## PreTreatmentSomewhat disagree
                                  -0.457
##
                                  (0.339)
##
## PreTreatmentStrongly agree
                                0.945***
                                  (0.313)
##
##
## PreTreatmentStrongly disagree
                                  -0.926*
##
                                  (0.483)
##
## Constant
                                  2.798 ***
##
                                   (0.292)
## -----
## Observations
                                    224
                                   0.131
                                   0.111
## Adjusted R2
                      1.364 (df = 218)
6.591*** (df = 5; 218)
## Residual Std. Error
## F Statistic
*p<0.1; **p<0.05; ***p<0.01
lm_treat_test_7 <- d_treatment_exp[,lm(Y6_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_treat_test_7,se=list(sqrt(diag(vcovHC(lm_treat_test_7)))),type='text',header=F)
Dependent variable:
##
                                  Y6_num
## treat_dummy
                                   0.134
##
                                   (0.142)
##
## PreTreatmentSomewhat agree
                                  0.508*
##
                                  (0.268)
##
## PreTreatmentSomewhat disagree
                                   0.046
##
                                   (0.456)
                                0.981***
## PreTreatmentStrongly agree
##
                                  (0.255)
## PreTreatmentStrongly disagree
                                  -0.940*
##
                                   (0.494)
##
## Constant
                                  3.200***
```

##

```
##
                                         (0.246)
##
## -----
## Observations
                                           224
## R2
                                          0.195
## Adjusted R2
                                          0.176
## Residual Std. Error
                                   1.029 (df = 218)
                               10.537*** (df = 5; 218)
## F Statistic
## -----
                               *p<0.1; **p<0.05; ***p<0.01
## Note:
#d_antitreatment_exp[,plot(treat_dummy,jitter(Y2_num))]
\#lm\_antitreat\_test <- d\_antitreatment\_exp[,lm(Y1\_num~treat\_dummy+PreTreatment\_factor+Education\_factor+Colored)
lm_antitreat_test <- d_antitreatment_exp[,lm(Y1_num~treat_dummy+Age_factor+Education_factor+Gender_fact</pre>
print(summary(lm_antitreat_test))
##
## Call:
## lm(formula = Y1_num ~ treat_dummy + Age_factor + Education_factor +
##
      Gender_factor + LivingAreaAffected_factor + ClimateChangeAwareness_factor +
##
      PreTreatment_factor + Income_factor + PoliticalView_factor +
      Community_factor)
##
##
## Residuals:
      Min
              1Q Median
                              30
                                     Max
## -3.2814 -0.4183 0.0968 0.4872 1.8213
##
## Coefficients:
##
                                                     Estimate Std. Error
## (Intercept)
                                                      3.48117 0.71031
                                                     -0.26645
## treat_dummy
                                                                 0.11815
## Age_factor.L
                                                     -0.29111
                                                                0.22728
## Age_factor.Q
                                                      0.16544
                                                                 0.20355
## Age_factor.C
                                                      0.21798
                                                                 0.17187
## Age_factor^4
                                                      0.08233 0.14000
## Education_factor.L
                                                     -0.32519
                                                                 0.61098
## Education_factor.Q
                                                                 0.60196
                                                      0.55544
## Education_factor.C
                                                     -0.67973
                                                                 0.45546
## Education_factor^4
                                                     -0.21626
                                                                0.32548
## Education_factor^5
                                                      0.03147
                                                              0.18091
## Education_factor^6
                                                      0.11306
                                                                0.17256
## Gender_factorMale
                                                      0.06355
                                                               0.64244
## Gender_factorFemale
                                                      0.10134
                                                                 0.64757
## Gender_factorOther
                                                     -0.73957
                                                                 0.86494
## LivingAreaAffected factor.L
                                                     -0.13014
                                                                 0.08907
## ClimateChangeAwareness_factor.L
                                                      0.47987
                                                                 0.48035
## ClimateChangeAwareness_factor.Q
                                                     -0.05696
                                                                 0.28755
## PreTreatment_factor.L
                                                      2.33550
                                                                 0.20496
## PreTreatment_factor.Q
                                                     -0.11314
                                                                 0.18801
## PreTreatment_factor.C
                                                     -0.13257
                                                                 0.16324
## PreTreatment_factor^4
                                                                 0.17588
                                                      0.31569
                                                      0.54543
## Income_factor.L
                                                                 0.25637
## Income_factor.Q
                                                      0.30416
                                                                 0.22668
## Income_factor.C
                                                      0.05099
                                                                 0.18594
## Income_factor^4
                                                      0.42956
                                                                 0.15688
```

```
## PoliticalView_factorSlightly Liberal
                                                          -0.25322
                                                                      0.17302
## PoliticalView_factorSlightly Conservative
                                                                      0.19543
                                                          -0.31235
## PoliticalView factorVery Conservative
                                                          -0.37046
                                                                      0.19226
## PoliticalView_factorNeither Conservative nor Liberal -0.43918
                                                                      0.25788
## Community factorSuburban
                                                          -0.14203
                                                                      0.13356
## Community factorRural
                                                          -0.06465
                                                                      0.17690
                                                          t value
                                                            4.901
## (Intercept)
## treat dummy
                                                           -2.255
## Age_factor.L
                                                           -1.281
## Age_factor.Q
                                                            0.813
## Age_factor.C
                                                            1.268
## Age_factor^4
                                                            0.588
## Education_factor.L
                                                           -0.532
## Education_factor.Q
                                                            0.923
## Education_factor.C
                                                           -1.492
## Education_factor^4
                                                           -0.664
## Education factor<sup>5</sup>
                                                            0.174
## Education_factor^6
                                                            0.655
## Gender factorMale
                                                            0.099
## Gender_factorFemale
                                                            0.156
## Gender_factorOther
                                                           -0.855
## LivingAreaAffected_factor.L
                                                           -1.461
## ClimateChangeAwareness factor.L
                                                            0.999
## ClimateChangeAwareness factor.Q
                                                           -0.198
## PreTreatment factor.L
                                                           11.395
## PreTreatment_factor.Q
                                                           -0.602
## PreTreatment_factor.C
                                                           -0.812
## PreTreatment_factor^4
                                                            1.795
## Income_factor.L
                                                            2.128
## Income_factor.Q
                                                            1.342
## Income_factor.C
                                                            0.274
## Income_factor^4
                                                            2.738
## PoliticalView_factorSlightly Liberal
                                                           -1.464
## PoliticalView factorSlightly Conservative
                                                           -1.598
## PoliticalView_factorVery Conservative
                                                           -1.927
## PoliticalView factorNeither Conservative nor Liberal -1.703
## Community_factorSuburban
                                                           -1.063
## Community_factorRural
                                                           -0.365
##
                                                                      Pr(>|t|)
## (Intercept)
                                                                    0.00000195
## treat dummy
                                                                       0.02519
## Age factor.L
                                                                       0.20172
## Age_factor.Q
                                                                       0.41731
## Age_factor.C
                                                                       0.20615
## Age_factor^4
                                                                       0.55712
## Education_factor.L
                                                                       0.59513
## Education_factor.Q
                                                                       0.35724
## Education_factor.C
                                                                       0.13715
## Education_factor^4
                                                                       0.50717
## Education_factor^5
                                                                       0.86209
## Education_factor^6
                                                                       0.51310
## Gender_factorMale
                                                                       0.92130
## Gender factorFemale
                                                                       0.87580
```

```
## Gender_factorOther
                                                                       0.39353
## LivingAreaAffected_factor.L
                                                                       0.14554
## ClimateChangeAwareness factor.L
                                                                       0.31898
## ClimateChangeAwareness_factor.Q
                                                                       0.84316
## PreTreatment factor.L
                                                          < 0.000000000000000000002
## PreTreatment factor.Q
                                                                       0.54801
## PreTreatment factor.C
                                                                       0.41766
## PreTreatment factor<sup>4</sup>
                                                                       0.07415
## Income_factor.L
                                                                       0.03458
## Income_factor.Q
                                                                       0.18115
## Income_factor.C
                                                                       0.78418
## Income_factor^4
                                                                       0.00673
## PoliticalView_factorSlightly Liberal
                                                                       0.14487
## PoliticalView_factorSlightly Conservative
                                                                       0.11153
## PoliticalView_factorVery Conservative
                                                                       0.05539
## PoliticalView_factorNeither Conservative nor Liberal
                                                                       0.09009
## Community_factorSuburban
                                                                       0.28885
## Community_factorRural
                                                                       0.71515
##
## (Intercept)
## treat_dummy
## Age_factor.L
## Age_factor.Q
## Age_factor.C
## Age_factor^4
## Education_factor.L
## Education_factor.Q
## Education_factor.C
## Education_factor^4
## Education_factor^5
## Education_factor^6
## Gender_factorMale
## Gender_factorFemale
## Gender_factorOther
## LivingAreaAffected factor.L
## ClimateChangeAwareness_factor.L
## ClimateChangeAwareness factor.Q
## PreTreatment_factor.L
                                                          ***
## PreTreatment_factor.Q
## PreTreatment_factor.C
## PreTreatment factor<sup>4</sup>
## Income_factor.L
## Income factor.Q
## Income_factor.C
## Income_factor^4
## PoliticalView_factorSlightly Liberal
## PoliticalView_factorSlightly Conservative
## PoliticalView_factorVery Conservative
## PoliticalView_factorNeither Conservative nor Liberal .
## Community_factorSuburban
## Community_factorRural
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
```

```
## Residual standard error: 0.844 on 203 degrees of freedom
## Multiple R-squared: 0.6383, Adjusted R-squared: 0.583
## F-statistic: 11.55 on 31 and 203 DF, p-value: < 0.000000000000000022
lm_antitreat_test_2 <- d_antitreatment_exp[,lm(Y1_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_antitreat_test_2,se=list(sqrt(diag(vcovHC(lm_antitreat_test_2)))),type='text',header=F)
##
## -----
                            Dependent variable:
##
                         -----
##
                                 Y1_num
## -----
## treat_dummy
                                -0.273**
##
                                 (0.119)
##
## PreTreatmentSomewhat agree
                                 0.314
##
                                 (0.263)
                              -1.333***
## PreTreatmentSomewhat disagree
                                (0.287)
##
                           1.126***
## PreTreatmentStrongly agree
##
                                (0.245)
## PreTreatmentStrongly disagree
                                -2.115***
##
                                 (0.347)
##
## Constant
                                3.660***
##
                                 (0.237)
##
## Observations
                                   235
                                  0.546
## Adjusted R2
                                  0.536
## Residual Std. Error
                            0.890 (df = 229)
                        55.165*** (df = 5; 229)
## F Statistic
*p<0.1; **p<0.05; ***p<0.01
lm_antitreat_test_3 <- d_antitreatment_exp[,lm(Y2_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_antitreat_test_3,se=list(sqrt(diag(vcovHC(lm_antitreat_test_3)))),type='text',header=F)
##
Dependent variable:
##
                         -----
                                 Y2_num
## -----
## treat_dummy
                                -0.411***
##
                                 (0.122)
                                 0.427*
## PreTreatmentSomewhat agree
##
                                 (0.232)
##
```

```
-0.865**
## PreTreatmentSomewhat disagree
##
                                    (0.341)
##
## PreTreatmentStrongly agree
                                   0.959***
##
                                    (0.219)
##
## PreTreatmentStrongly disagree
                                   -1.396***
##
                                    (0.435)
##
## Constant
                                   3.882***
##
                                    (0.207)
## Observations
                                      235
## R2
                                     0.409
## Adjusted R2
                                     0.397
                       0.900 (df = 229)
31.753*** (df = 5; 229)
## Residual Std. Error
## F Statistic
*p<0.1; **p<0.05; ***p<0.01
lm_antitreat_test_4 <- d_antitreatment_exp[,lm(Y3_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_antitreat_test_4,se=list(sqrt(diag(vcovHC(lm_antitreat_test_4)))),type='text',header=F)
## -----
##
                              Dependent variable:
##
##
## -----
## treat_dummy
                                    -0.225
##
                                    (0.172)
##
## PreTreatmentSomewhat agree
                                     0.016
##
                                    (0.311)
## PreTreatmentSomewhat disagree
                                    -0.356
                                    (0.364)
##
##
## PreTreatmentStrongly agree
                                    0.067
##
                                    (0.314)
##
## PreTreatmentStrongly disagree
                                   -0.932**
##
                                    (0.391)
##
## Constant
                                   3.252***
##
                                    (0.286)
## Observations
                                      235
                                     0.046
## Adjusted R2
                                     0.026
                         1.303 (df = 229)
## Residual Std. Error
## F Statistic
                             2.231* (df = 5; 229)
```

```
*p<0.1; **p<0.05; ***p<0.01
## Note:
lm_antitreat_test_5 <- d_antitreatment_exp[,lm(Y4_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_antitreat_test_5,se=list(sqrt(diag(vcovHC(lm_antitreat_test_5)))),type='text',header=F)
## -----
##
                            Dependent variable:
##
##
                                 Y4_num
## -----
## treat_dummy
                                -0.492***
##
                                 (0.136)
##
## PreTreatmentSomewhat agree
                                 0.458*
##
                                 (0.276)
##
## PreTreatmentSomewhat disagree
                                -0.925**
                                 (0.359)
##
## PreTreatmentStrongly agree
                               1.040***
##
                                 (0.263)
##
## PreTreatmentStrongly disagree
                               -1.549***
##
                                 (0.363)
##
                                3.345***
## Constant
##
                                 (0.261)
##
## -----
## Observations
                                   235
## R2
                                  0.398
## Adjusted R2
                                  0.385
                     1.013 (a1 - 225)
30.306*** (df = 5; 229)
## Residual Std. Error
## F Statistic
## Note:
                         *p<0.1; **p<0.05; ***p<0.01
lm_antitreat_test_6 <- d_antitreatment_exp[,lm(Y5_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_antitreat_test_6,se=list(sqrt(diag(vcovHC(lm_antitreat_test_6)))),type='text',header=F)
##
##
                            Dependent variable:
##
##
## -----
## treat dummy
                                 -0.111
##
                                 (0.176)
## PreTreatmentSomewhat agree
                                  0.253
##
                                 (0.307)
##
                               -0.697**
## PreTreatmentSomewhat disagree
                                 (0.340)
##
```

```
##
## PreTreatmentStrongly agree
                               0.470
##
                               (0.317)
##
## PreTreatmentStrongly disagree
                              -1.510***
                               (0.370)
##
                              3.169***
## Constant
##
                               (0.289)
##
## -----
## Observations
                                235
## R2
                               0.143
## Adjusted R2
                               0.125
                   1.335 (df = 229)
7.672*** (df = 5; 229)
## Residual Std. Error
## F Statistic
*p<0.1; **p<0.05; ***p<0.01
lm_antitreat_test_7 <- d_antitreatment_exp[,lm(Y6_num~treat_dummy+PreTreatment)]</pre>
stargazer(lm_antitreat_test_7,se=list(sqrt(diag(vcovHC(lm_antitreat_test_7)))),type='text',header=F)
Dependent variable:
                        _____
##
                               Y6 num
## -----
## treat_dummy
                               -0.101
##
                               (0.130)
##
                               0.379
## PreTreatmentSomewhat agree
##
                               (0.238)
## PreTreatmentSomewhat disagree
                               -0.367
##
                               (0.322)
##
                          0.786***
## PreTreatmentStrongly agree
##
                              (0.226)
##
## PreTreatmentStrongly disagree
                              -1.462***
                               (0.367)
##
                              3.383***
## Constant
                               (0.221)
##
## -----
## Observations
                                235
                               0.269
                               0.253
## Adjusted R2
                          0.989 (df = 229)
## Residual Std. Error
                       16.834*** (df = 5; 229)
## F Statistic
## Note:
                        *p<0.1; **p<0.05; ***p<0.01
```

```
d_treatment_exp[,SuperGroup:="Treatment"]
d_antitreatment_exp[,SuperGroup:="AntiTreatment"]
d_compare_set <- rbind(d_treatment_exp,d_antitreatment_exp)</pre>
d_compare_set[,AntiTreatGroup:=ifelse(SuperGroup=="AntiTreatment",1,0)]
d_compare_set[,treat_dummy:=ifelse(Group=="Placebo",0,1)]
lm_treat_vs_anti_1 <- d_compare_set[,lm(Y1_num~treat_dummy+AntiTreatGroup+AntiTreatGroup*treat_dummy+Pr</pre>
lm_treat_vs_anti_2 <- d_compare_set[,lm(Y2_num~treat_dummy+AntiTreatGroup+AntiTreatGroup*treat_dummy+Pr</pre>
lm_treat_vs_anti_3 <- d_compare_set[,lm(Y4_num~treat_dummy+AntiTreatGroup+AntiTreatGroup*treat_dummy+Pr</pre>
stargazer(lm_treat_vs_anti_1,lm_treat_vs_anti_2,lm_treat_vs_anti_3,se=list(sqrt(diag(vcovHC(lm_treat_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_vs_anti_v
```

Table 1:

	$Dependent\ variable:$		
	Y1_num	Y2_num	Y4_num
	(1)	(2)	(3)
treat_dummy	0.208**	0.016	0.046
	(0.084)	(0.094)	(0.126)
AntiTreatGroup	0.000	-0.000	0.000
	(0.090)	(0.099)	(0.128)
PreTreatmentSomewhat agree	0.302*	0.349**	0.549***
	(0.169)	(0.145)	(0.193)
PreTreatmentSomewhat disagree	-1.223***	-0.893***	-0.684**
	(0.219)	(0.253)	(0.274)
PreTreatmentStrongly agree	1.082***	0.851***	1.117***
	(0.156)	(0.134)	(0.184)
PreTreatmentStrongly disagree	-2.304***	-1.471***	-1.553***
	(0.223)	(0.297)	(0.284)
$treat\_dummy: AntiTreatGroup$	$-0.487^{***}$	-0.426***	-0.551***
	(0.145)	(0.152)	(0.185)
Constant	3.688***	3.960***	3.269***
	(0.160)	(0.139)	(0.194)
Observations	459	459	459
$\mathbb{R}^2$	0.604	0.426	0.393
Adjusted $R^2$	0.598	0.417	0.384
Residual Std. Error $(df = 451)$	0.768	0.804	0.977
F Statistic (df = $7$ ; $451$ )	98.258***	47.823***	41.742***
Note:	*p<0.1; **p<0.05; ***p<0.01		

```
d_compare_set <- rbind(d_treatment_exp,d_antitreatment_exp)</pre>
polr_treat_test_1 <- d_treatment_exp[,polr(Y1_num_factor~treat_dummy+PreTreatment,Hess = T)]</pre>
ctable_treat_test_1 <- coef(summary(polr_treat_test_1))</pre>
```

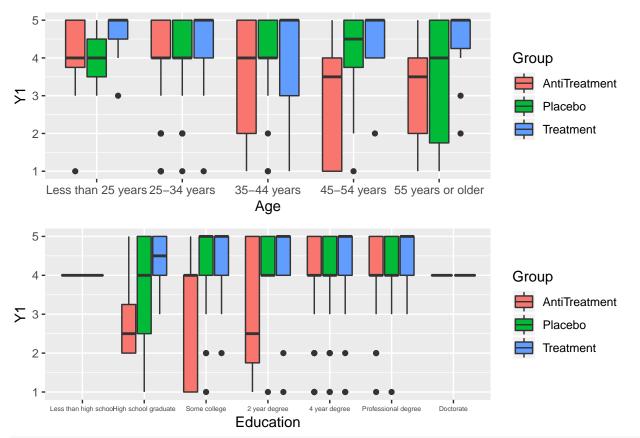
p <- round(pnorm(abs(ctable\_treat\_test\_1[, "t value"]), lower.tail = FALSE) \* 2,5)</pre>

```
interpret <- exp(coef(polr_treat_test_1))</pre>
ctable_treat_test_1 <- cbind(ctable_treat_test_1, "p value" = p)</pre>
ctable_treat_test_1 <- cbind(ctable_treat_test_1, "exp.coef" = interpret)</pre>
## Warning in cbind(ctable_treat_test_1, exp.coef = interpret): number of rows
## of result is not a multiple of vector length (arg 2)
print(data.frame(ctable_treat_test_1))
##
                                     Value Std..Error t.value p.value
## treat_dummy
                                 0.8094909 0.3155453 2.5653709 0.01031
                                 0.8619492  0.4979668  1.7309372  0.08346
## PreTreatmentSomewhat agree
## PreTreatmentSomewhat disagree -2.1734377 0.7302076 -2.9764655 0.00292
## PreTreatmentStrongly agree
                                 3.5972074 0.5530039 6.5048501 0.00000
## PreTreatmentStrongly disagree -5.9808464 1.1633454 -5.1410752 0.00000
                                -4.2613907 0.8796511 -4.8444102 0.00000
## 1 | 2
## 2|3
                                -2.2627753 0.5686357 -3.9793055 0.00007
## 3|4
                                -0.4156030 0.4518844 -0.9197109 0.35772
## 415
                                 ##
                                    exp.coef
                                 2.246763762
## treat_dummy
## PreTreatmentSomewhat agree
                                 2.367771502
## PreTreatmentSomewhat disagree 0.113785784
## PreTreatmentStrongly agree
                                36.496172978
## PreTreatmentStrongly disagree 0.002526687
## 1|2
                                 2.246763762
## 213
                                 2.367771502
## 314
                                 0.113785784
## 4|5
                                36.496172978
polr_anti_treat_test_1 <- d_antitreatment_exp[,polr(Y1_num_factor~treat_dummy+PreTreatment,Hess = T)]</pre>
ctable anti treat test 1 <- coef(summary(polr anti treat test 1))</pre>
p <- round(pnorm(abs(ctable_anti_treat_test_1[, "t value"]), lower.tail = FALSE) * 2,5)</pre>
interpret <- exp(coef(polr_anti_treat_test_1))</pre>
ctable_anti_treat_test_1 <- cbind(ctable_anti_treat_test_1, "p value" = p)</pre>
ctable_anti_treat_test_1 <- cbind(ctable_anti_treat_test_1, "exp.coef" = interpret)</pre>
## Warning in cbind(ctable_anti_treat_test_1, exp.coef = interpret): number of
## rows of result is not a multiple of vector length (arg 2)
print(data.frame(ctable_anti_treat_test_1))
                                     Value Std..Error t.value p.value
                                -0.4177746 0.2665786 -1.567172 0.11707
## treat_dummy
## PreTreatmentSomewhat agree
                                 ## PreTreatmentSomewhat disagree -1.9738795 0.5627989 -3.507255 0.00045
                                 2.8056873  0.4895590  5.731051  0.00000
## PreTreatmentStrongly agree
## PreTreatmentStrongly disagree -4.1223169 0.8147345 -5.059706 0.00000
## 1|2
                                -3.0193286 0.5173937 -5.835650 0.00000
## 213
                                -1.6982522 0.4413334 -3.848003 0.00012
## 314
                                ## 4|5
                                 1.5421047 0.4437158 3.475434 0.00051
##
                                   exp.coef
## treat dummy
                                 0.65851066
## PreTreatmentSomewhat agree
                                 1.85704637
## PreTreatmentSomewhat disagree 0.13891688
```

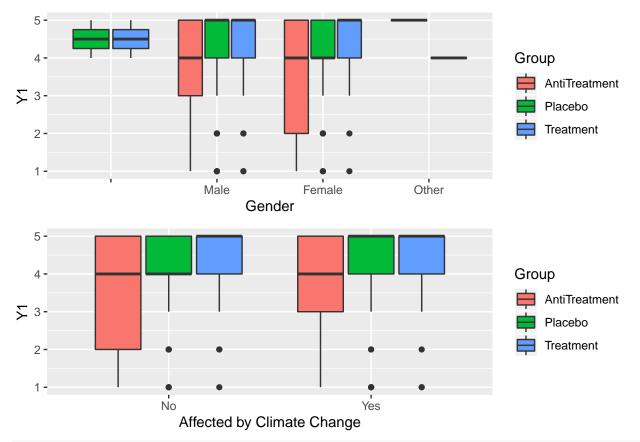
```
## PreTreatmentStrongly agree
                                                           16.53843833
## PreTreatmentStrongly disagree 0.01620692
## 1|2
                                                            0.65851066
## 213
                                                            1.85704637
## 314
                                                            0.13891688
## 4|5
                                                           16.53843833
polr_anti_treat_test_2 <- d_antitreatment_exp[,polr(Y2_num_factor~treat_dummy+PreTreatment,Hess = T)]</pre>
ctable_anti_treat_test_2 <- coef(summary(polr_anti_treat_test_2))</pre>
p <- round(pnorm(abs(ctable_anti_treat_test_2[, "t value"]), lower.tail = FALSE) * 2,5)</pre>
interpret <- exp(coef(polr_anti_treat_test_2))</pre>
ctable_anti_treat_test_2 <- cbind(ctable_anti_treat_test_2, "p value" = p)</pre>
ctable anti treat test 2 <- cbind(ctable anti treat test 2, "exp.coef" = interpret)
## Warning in cbind(ctable_anti_treat_test_2, exp.coef = interpret): number of
## rows of result is not a multiple of vector length (arg 2)
print(data.frame(ctable_anti_treat_test_2))
##
                                                                   Value Std..Error t.value p.value
                                                           -0.7803546   0.2671432   -2.921110   0.00349
## treat_dummy
## PreTreatmentSomewhat agree
                                                            0.7930637  0.4373007  1.813543  0.06975
## PreTreatmentSomewhat disagree -1.2868797 0.5630057 -2.285731 0.02227
## PreTreatmentStrongly agree
                                                            2.3071925 0.4618155 4.995918 0.00000
## PreTreatmentStrongly disagree -2.3815254 0.6743921 -3.531366 0.00041
## 1|2
                                                           -3.3651977 0.5184288 -6.491148 0.00000
## 213
                                                           ## 314
                                                           ## 4|5
                                                            0.8765312 0.4055910 2.161121 0.03069
                                                                exp.coef
                                                            0.45824347
## treat_dummy
## PreTreatmentSomewhat agree
                                                            2.21015721
## PreTreatmentSomewhat disagree 0.27613105
## PreTreatmentStrongly agree
                                                           10.04618081
## PreTreatmentStrongly disagree 0.09240951
## 1 | 2
                                                            0.45824347
## 2|3
                                                            2.21015721
## 3|4
                                                            0.27613105
## 4|5
                                                           10.04618081
data_plot <- d[Progress==100&RejectedOutcomeQuestions!="Yes"&RejectedCovariateQuestions!="Yes",]
g <- ggplot(data_plot)</pre>
plot1 <- g + geom_boxplot(aes(x=Age_factor, y=Y1_num, fill=Group))+labs(x='Age',y='Y1')</pre>
plot2 <- g+geom_boxplot(aes(x=Education_factor, y=Y1_num, fill=Group))+labs(x='Education',y='Y1')+theme</pre>
plot3 <- g+geom_boxplot(aes(x=Gender_factor, y=Y1_num, fill=Group))+labs(x='Gender',y='Y1')</pre>
plot4 <- g+geom_boxplot(aes(x=LivingAreaAffected_factor, y=Y1_num, fill=Group))+labs(x='Affected by Cli
plot5 <- g+geom_boxplot(aes(x=ClimateChangeAwareness_factor, y=Y1_num, fill=Group))+labs(x='Climate ChangeAwareness_factor, y=Y1_num, y=Y
plot6 <- g+geom_boxplot(aes(x=Income_factor, y=Y1_num, fill=Group))+labs(x='Income',y='Y1')+theme(axis.</pre>
plot7 <- g+geom_boxplot(aes(x=PreTreatment_factor, y=Y1_num, fill=Group))+labs(x='Pre Experiment Percep
plot8 <- g+geom_boxplot(aes(x=PoliticalView_factor, y=Y1_num, fill=Group))+labs(x='Political View',y='Y
```

grid.arrange(plot1,plot2,nrow=2)

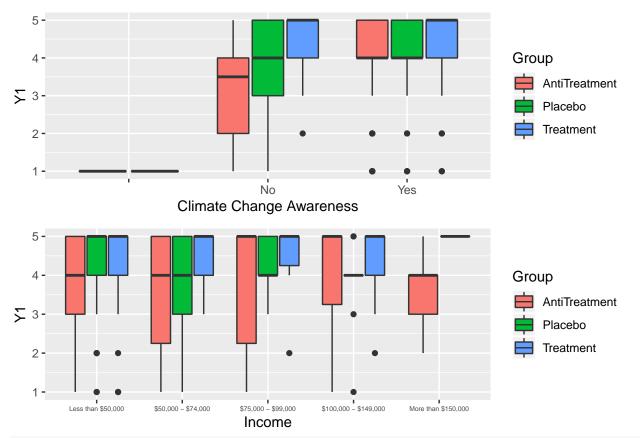
plot9 <- g+geom\_boxplot(aes(x=Community\_factor, y=Y1\_num, fill=Group))+labs(x='Community',y='Y1')</pre>



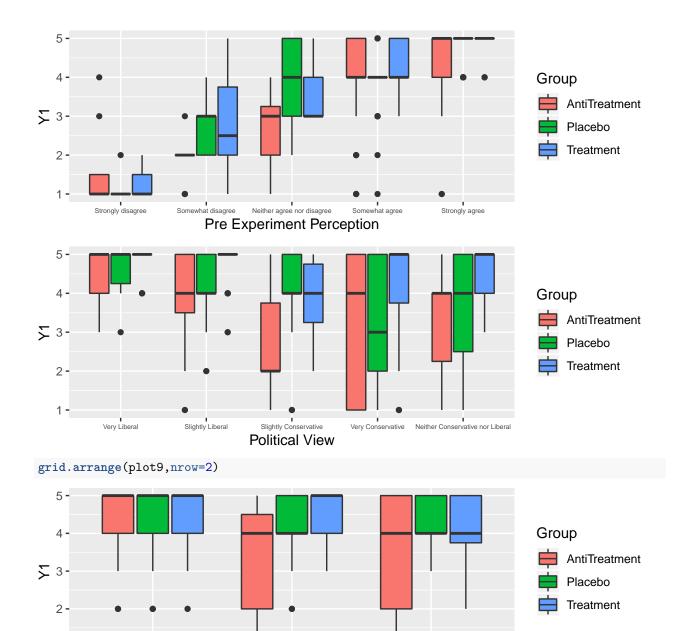
grid.arrange(plot3,plot4,nrow=2)



grid.arrange(plot5,plot6,nrow=2)



grid.arrange(plot7,plot8,nrow=2)



Rural

Suburban Community

1-

Urban

Table 2:

ble:		
oic.		
3)		
218)		
*p<0.1; **p<0.05; ***p<0.01		

Table 3:

	Dependent variable:		
	Y1_num	Y2_num	Y4_num
	(1)	(2)	(3)
treat_dummy	-0.273**	-0.411***	-0.492***
	(0.119)	(0.122)	(0.136)
PreTreatmentSomewhat agree	0.314	$0.427^{*}$	0.458*
, and the second	(0.263)	(0.232)	(0.276)
PreTreatmentSomewhat disagree	-1.333***	-0.865**	-0.925**
Ü	(0.287)	(0.341)	(0.359)
PreTreatmentStrongly agree	1.126***	0.959***	1.040***
	(0.245)	(0.219)	(0.263)
PreTreatmentStrongly disagree	-2.115***	-1.396***	-1.549***
	(0.347)	(0.435)	(0.363)
Constant	3.660***	3.882***	3.345***
	(0.237)	(0.207)	(0.261)
Observations	235	235	235
$R^2$	0.546	0.409	0.398
Adjusted $\mathbb{R}^2$	0.536	0.397	0.385
Residual Std. Error $(df = 229)$	0.890	0.900	1.013
F Statistic (df = $5$ ; $229$ )	55.165***	31.753***	30.306***

Note:

\*p<0.1; \*\*p<0.05; \*\*\*p<0.01