# Package: poliscidata (via r-universe)

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**Type** Package

**Title** Datasets and Functions Featured in Pollock and Edwards, an R Companion to Essentials of Political Analysis, Second Edition

**Version** 2.3.0

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**Description** Bundles the datasets and functions used in the textbook by Philip Pollock and Barry Edwards, an R Companion to Essentials of Political Analysis, Second Edition.

**License** CC0

**LazyData** TRUE

**RoxygenNote** 7.1.0

**Depends** R (>= 2.10)

**Imports** methods, descr, Hmisc, weights, plyr, gplots, xtable, survey, car, plotrix, abind

**Suggests** hexbin, rgl, scatterplot3d, R2HTML, gdata

**NeedsCompilation** no

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# Contents

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AdjR2                    *Calculates adjusted R-Squared statistic*

---

### Description

Calculates adjusted R-Squared statistic based on user-defined inputs. This function can be used after estimating a model that does not report adjusted R-Squared statistic. For svyglm model fit statistics, see `fit.svyglm` function documentation.

## Usage

```
AdjR2(tdf, null.dev, resid.dev, k)
```

## Arguments

| | |
|---|---|
| `tdf` | The total degrees of freedom |
| `null.dev` | The null deviance or total sum of squares |
| `resid.dev` | The residual deviance or error sum of squares |
| `k` | The number of parameters used (to reduce deviance) |

## Value

Returns an adjusted R-Squared statistic, a numeric value between 0 and 1

## Examples

```
AdjR2(200, 1500, 1100, 5)

AdjR2(tdf=200, null.dev=1500, resid.dev=1100, k=5)
```

---

available.imported.functions

*Imported Functions Made Available to Users*

---

## Description

The compmeans function is imported from descr package. See compmeans documentation for details.

The crosstab function is imported from the descr package. See crosstab documentation for details.

The csv.get function is imported from the Hmisc package. See csv.get documentation for details.

The cut2 function is imported from the Hmisc package. See cut2 documentation for details.

The ddply function is imported from the plyr package. See ddply documentation for details.

The describe function is imported from the Hmisc package. See describe documentation for details.

The freq function is imported from the descr package. See freq documentation for details.

The plotmeans function is imported from the gplots package. See plotmeans documentation for details.

The scatterplot function is imported from the car package. See scatterplot documentation for details.

The spss.get function is imported from the Hmisc package. See spss.get documentation for details.

The `stata.get` function is imported from the Hmisc package. See `stata.get` documentation for details.

The svyboxplot function is imported from the survey package. See `svyhist` documentation for details.

The `svyby` function is imported from the survey package. See `svyby` documentation for details.

The `svychisq` function is imported from the survey package. See `svychisq` documentation for details.

The `svydesign` function is imported from the survey package. See `svydesign` documentation for details.

The `svyglm` function is imported from the survey package. See `svyglm` documentation for details.

The svymean function is imported from the survey package. See `surveysummary` documentation for details.

The `svyplot` function is imported from the survey package. See `svyplot` documentation for details.

The svytable function is imported from the survey package. See `svychisq` documentation for details.

The `wtd.chi.sq` function is imported from the weights package. See `wtd.chi.sq` documentation for details.

The `wtd.cor` function is imported from the weights package. See `wtd.cor` documentation for details.

The `wtd.hist` function is imported from the weights package. See `wtd.hist` documentation for details.

The wtd.mean function is imported from the Hmisc package. See `wtd.stats` documentation for details.

The wtd.quantile function is imported from the Hmisc package. See `wtd.stats` documentation for details.

The `wtd.t.test` function is imported from the weights package. See `wtd.t.test` documentation for details.

The wtd.var function is imported from the Hmisc package. See `wtd.stats` documentation for details.

## Usage

```
compmeans(...)

crosstab(...)

csv.get(...)

cut2(...)

ddply(...)

describe(...)
```

```
freq(...)

plotmeans(...)

scatterplot(...)

spss.get(...)

stata.get(...)

svyboxplot(...)

svyby(...)

svychisq(...)

svydesign(...)

svyglm(...)

svymean(...)

svyplot(...)

svytable(...)

wtd.chi.sq(...)

wtd.cor(...)

wtd.hist(...)

wtd.mean(...)

wtd.quantile(...)

wtd.t.test(...)

wtd.var(...)
```

## Arguments

...          See source package help file for details on function usage.

---

CI95                 *Calculates a 95 Percent Confidence Interval*

---

## Description

Prints the lower and upper boundaries of a 95 Percent confidence interval. Also see the CI95 function.

## Usage

```
CI95(m, se)
```

## Arguments

m                  A single number equal to the mean value of a statistic.

se                 single number equal to the standard error of the statistic.

## Value

Returns the 95

## Examples

```
CI95(10, 1)

CI95(m=8, se=2)
```

---

| CI99 | *Calculates a 99 Percent Confidence Interval* |

---

## Description

Prints the lower and upper boundaries of a 99 Percent confidence interval. Also see the CI95 function.

## Usage

```
CI99(m, se)
```

## Arguments

m                  A single number equal to the mean value of a statistic.

se                 single number equal to the standard error of the statistic.

## Value

Returns the 99

## Examples

```
CI99(10, 1)

CI99(m=8, se=2)
```

---

Colors *Displays R Colors*

---

### Description

Produces plot of colors available in R. Colored cells labels with numeric value that corresponds to that color. No values supplied to function.

### Usage

```
Colors()
```

### Value

No value returned

### Examples

```
Colors()
```

---

colPercents *Column Percentages*

---

### Description

Generates column percentaged tables for multi-dimensional controlled cross-tabulations, based on function by John Fox. Used by [xtabC](xtabC) function.

### Usage

```
colPercents(tab, digits = 2)
```

### Arguments

tab         A table of values

digits      Number of decimal places to display, default is 2.

### Value

Table of column-percentaged values

---

compADPQ                         *Calculates a statistic for measure of association in cross-tabulation*

---

**Description**

This function is called by `tablesomersDC` function.

**Usage**

```
compADPQ(x)
```

**Arguments**

x                       A matrix or data frame

**Value**

Returns a list of statistics

---

CramersV                         *Calculates Cramer's V*

---

**Description**

Calculates Cramer's V, a measure of association to gauge the strength of the relationship between two nominal-level variables. A score of 0 indicates no relationship; a score of 1 indicates a perfect relationship.

**Usage**

```
CramersV(chi, r, c, n)
```

**Arguments**

chi                     A number equal to the Chi-Squared statistic
r                       A number equal to the number of rows
c                       A number equal to the number of columns
n                       A number equal to the sample size

**Value**

The Cramer's V statistic, a number between 0 and 1.

**Examples**

```
CramersV(84.18, 2, 2, 1315)

CramersV(chi=84.18, r=2, c=2, n=1315)
```

---

| fit.svyglm | *Calculates model fit statistics for a svyglm weighted regression model* |

---

### Description

Model fit statistics for a svyglm weighted regression model

### Usage

```
fit.svyglm(svyglm, digits = 3)
```

### Arguments

| | |
|---|---|
| svyglm | An object of type svyglm. This object is the output of the svyglm functon. |
| digits | Number of digits to report after decimal place, optional (default = 3). |

### Value

Returns a numeric vector of R-Squared and Adjusted R-sSquared statistics.

### Examples

```
library(poliscidata)

obamaThermModel <- svyglm(obama_therm ~ gender, design=nesD, na.action="na.omit")
summary(obamaThermModel)
fit.svyglm(obamaThermModel)
```

---

| freqC | *Generates table and figure describing distribution of variable values.* |

---

### Description

Generates frequency distribution table and bar chart to describe distribution of variable values. Based on [freq](#) function in descr package.

### Usage

```
freqC(x, w, plot = TRUE)
```

### Arguments

| | |
|---|---|
| x | A vector of variable values, should be in form dataset$var |
| w | Sample weights (optional), should be in form dataset$weighvar |
| plot | Do you want a bar chart? (default set to TRUE) |

## Value

A frequency distribution table (a "freqtable" and "matrix" class object)

## Examples

```
library(poliscidata)

freqC(gss$zodiac, gss$wtss)

freqC(x=gss$zodiac, w=gss$wtss)
```

---

gss                                *GSS dataset for R Companion to Essentials of Political Analysis, Second Edition*

---

## Description

The General Social Survey polls individuals about their attitudes and beliefs. This dataset is used to demonstrate application of R to political analysis. See book Appendix for variable names and descriptions.

## Usage

```
gss
```

## Format

A data frame with 1974 rows and 221 variables.

**abany** Abortion Permissible: Woman Wants For Any Reason

**abdefect** Abortion Permissible: Strong Chance of Serious Defect

**abhlth** Abortion Permissible: Woman's Health Seriously Endangered

**abnomore** Abortion Permissible: Woman Married–Wants No More Children

**abortion** Under How Many Conditions Abortion Permissible?

**abortion_3** Under How Many Conditions Abortion Permissible? 3 Categories

**abpoor** Abortion Permissible: Low Income–Can't Afford More Children

**abrape** Abortion Permissible: Pregnant As Result of Rape

**absingle** Abortion Permissible: Not Married

**affrmact** Favor Preference in Hiring Blacks

**affrmact2** Support Affirmative Action?

**age** Respondent's Age

**age.f** Respondent's Age (as ordered factor)

**age2** Respondent's Age: 2 Categories

**age_3** Age Group: 3 Categories

**age_5** Age Group: 5 Categories

**attend** How Often Respondent Attends Religious Services

**attend2** Attendance at Religious Services: Low or High

**attend3** Attendance at Religious Services: 3 Categories

**attend7** Attendance at Religious Services: 7 Categories

**authoritarianism** Authoritarianism Scale

**bible** Feelings About the Bible

**black** Is Respondent African American?

**black_traits** Black Stereotypes

**born** Was Respondent Born in This Country

**cappun** Favor or Oppose Death Penalty For Murder

**childs** Number of Children

**closeblk** How Close Do You Feel to Blacks?

**closeblk2** How Close to Blacks? 2 Categories

**closewht** How Close Feel to Whites

**closewht2** How Close Do You Feel to Whites? 2 Categories

**cohort** Year of Birth

**colath** College Teaching: Allow Anti-Religionist to Teach

**colcom** College Teaching: Should Communist Teacher Be Fired

**colhomo** College Teaching: Allow Homosexual to Teach

**colmil** College Teaching: Allow Militarist to Teach

**colmslm** College Teaching: Allow Anti-American Muslim Clergymen to Teach

**colrac** College Teaching: Allow Racist to Teach

**con_govt** Confidence in Government Institutions

**conarmy** Confidence in Military

**conbus** Confidence in Major Companies

**conclerg** Confidence in Organized Religion

**coneduc** Confidence in Education

**confed** Confidence in Exec Branch of Fed Government

**confinan** Confidence in Banks & Financial Institutions

**conjudge** Confidence in United States Supreme Court

**conlabor** Confidence in Organized Labor

**conlegis** Confidence in Congress

**conmedic** Confidence in Medicine

**conpress** Confidence in Press

**consci** Confidence in Scientific Community

**contv**  Confidence in Television

**courts**  Courts Dealing With Criminals

**dateintv**  Date of Interview

**degree**  Respondent's Highest Degree

**dem**  Is Respondent a Democrat?

**divlaw**  Divorce Laws

**divlaw2**  Should divorce laws make it more difficult?

**educ**  Highest Year of School

**educ_2**  Education: 2 Categories

**educ_4**  Education: 4 Categories

**egalit_scale**  Egalitarianism Scale

**egalit_scale3**  Egalitarianism: 3 Categories

**egalit_scale4**  Egalitarianism: 4 Categories

**eqwlth**  Should Government Reduce Income Differences?

**ethnic**  Country of Family Origin

**evangelical**  Evangelical Scale

**fechld**  Female Roles: Mother Working Doesn't Hurt Children

**feelevel**  Amount of Fees Paid (to Respondent for Interview)

**feeused**  Fee Given to Get Case (for the Interview)

**fefam**  Female Roles: Better For Man to Work, Woman Tend Home

**femrole**  Female Role (Scale of Values)

**femrole2**  Female Role: 2 Categories

**fepresch**  Female Roles: Preschool Kids Suffer If Mother Works

**fucitzn**  Is Respondent Planning/Applying For US Citizenship?

**fund**  How Fundamentalist Is Respondent Currently?

**fund2**  Is Respondent Fundamentalist?

**getahead**  Opinion of How People Get Ahead

**god_r**  Know God Exists?

**grass**  Should Marijuana Be Made Legal?

**grass.legal**  Should Marijuana Be Made Legal? (numeric)

**gunlaw**  Favor or Oppose Gun Permits?

**happy**  General Happiness

**helpblk**  Should Government Aid Blacks?

**helpnot**  Should Government Do More or Less?

**helpoth**  To Help Others

**helppoor**  Should Government Improve Standard of Living?

**helpsick**  Should Government Help Pay For Medical Care?

**hhtype1** Household Type (Condensed)

**hispanic** Hispanic Specified

**hispanic_2** Is Respondent Hispanic?

**homosex** Homosexual Sex Relations

**homosex2** Homosexuality Always Wrong?

**id** Respondent Id Number

**income06** Total Family Income

**int_info_scale** Interest in Current Issues? (Additive index)

**intage** Interviewer: Age of Interviewer

**intecon** Interested in Economic Issues?

**inteduc** Interested in Local School Issues?

**intenvir** Interested in Environmental Issues?

**intethn** Interviewer: Race of Interviewer

**intethn_2** Interviewer: Interviewer's Race

**intfarm** Interested in Farm Issues?

**inthisp** Interviewer: Is Interviewer Spanish, Hispanic or Latino

**intintl** Interested in International Issues?

**intmed** Interested in Medical Discoveries?

**intmil** Interested in Military Policy?

**intrace1** Interviewer: Interviewer's Race1

**intrace2** Interviewer: Interviewer's Race2

**intrace3** Interviewer: Interviewer's Race3

**intsci** Interested in New Scientific Discoveries?

**intsex** Interviewer: Sex of Interviewer

**intspace** Interested in Space Exploration?

**inttech** Interested in Technologies?

**intyrs** Interviewer: Years of Service as an Interviewer at NORC

**kids** Does Respondent Have Kids?

**libath** Allow Anti-Religious Book in Library?

**libcom** Allow Communists Book in Library?

**libhomo** Allow Homosexuals Book in Library?

**libmil** Allow Militarists Book in Library?

**libmslm** Allow Anti-American Muslim Clergymen's Books in Library?

**librac** Allow Racists Book in Library?

**lngthinv** How Long Was Interview

**marital** Marital Status

**militarist_tol** Tolerance Toward Militarists

**mobile16**  Geographic Mobility Since Age 16

**mode**  Interview Done In-Person or Over the Phone

**mslm_col**  Muslims: Teach in College?

**mslm_lib**  Muslims: Book in Library?

**mslm_spk**  Muslims: Preach?

**mslm_spk.yes**  Muslims: Preach? (as numeric)

**mslm_spk.high**  Muslims: Preach? (as numeric)

**nataid**  Federal spending: Foreign Aid

**natarms**  Federal spending: Military, Armaments, and Defense

**natchld**  Federal spending: Assistance for Childcare

**natcity**  Federal spending: Solving Problems of Big Cities

**natcrime**  Federal spending: Halting Rising Crime Rate

**natdrug**  Federal spending: Dealing with Drug Addiction

**nateduc**  Federal spending: Improving Nations Education System

**natenrgy**  Federal spending: Developing Alternative Energy Sources

**natenvir**  Federal spending: Improving & Protecting Environment

**natfare**  Federal spending: Welfare

**natheal**  Federal spending: Improving & Protecting Nations Health

**natmass**  Federal spending: Mass Transportation

**natpark**  Federal spending: Parks and Recreation

**natrace**  Federal spending: Improving the Conditions of Blacks

**natroad**  Federal spending: Highways and Bridges

**natsci**  Federal spending: Supporting Scientific Research

**natsoc**  Federal spending: Social Security

**natspac**  Federal spending: Space Exploration Program

**news**  How Often Does Respondent Read Newspaper

**obey**  To Obey

**obey2**  Obedience Important in Children?

**owngun**  Have Gun in Home

**partyid**  Political Party Affiliation

**partyid_3**  Party Id: 3 Categories

**polviews**  Ideological Self-Placement

**popular**  Important for Child: To Be Well Liked or Popular

**pornlaw**  Feelings About Pornography Laws

**pornlaw2**  Pornography opinion

**postlife**  Belief in Life After Death

**pray**  How Often Does Respondent Pray

**premarsx**  Sex Before Marriage

**pres08**  Vote Obama or Mccain

**racdif1**  Differences Due to Discrimination

**racdif2**  Differences Due to Inborn Disability

**racdif3**  Differences Due to Lack of Education

**racdif4**  Differences Due to Lack of Will

**race**  Race of Respondent

**race_2**  Race: Black / White

**racial_liberal3**  Racial Liberalism

**reborn_r**  Born Again?

**region**  Region of Interview

**relig**  Respondent's Religious Preference

**relig2**  Respondent's Religious Preference, limited to Catholic and Protestant

**reliten**  Strength of Affiliation

**reliten2**  Strong Religious Affiliation

**rincom06**  Respondent Income

**rincom06_5**  Respondent Income: 5 Categories

**savesoul_r**  Tried to Convince Others of Jesus?

**science_quiz**  Number Correct on Science Quiz

**science_quiz.f**  Number Correct on Science Quiz, stored as factor

**sex**  Respondent's Sex

**sibs**  Number of Brothers and Sisters

**size**  Size of Place in 1000s

**social_connect**  Social Connectedness

**social_cons3**  Social Conservatism

**social_trust**  Social Trust (Numeric Scale)

**south**  Respondent from South?

**spanking**  Favor Spanking to Discipline Child?

**spanking2**  Approve of spanking

**spend3**  Econ Liberalism

**spkath**  Allow Speaker in Your Community: Anti-Religionist

**spkcom**  Allow Speaker in Your Community: Communist

**spkhomo**  Allow Speaker in Your Community: Homosexual

**spkmil**  Allow Speaker in Your Community: Militarist

**spkmslm**  Allow Speaker in Your Community: Muslim Clergymen Preaching Hatred

**spkrac**  Allow Speaker in Your Community: Allow Racist to Speak

**teensex**  Sex Before Marriage – Teens 14-16

**thnkself** Important for Child: To Think For One's Self

**tolerance** Tolerance Scale

**tolerance4** Tolerance Scale (Binned)

**tvhours** Hours Per Day Watching TV

**tvhours5** Hours per day

**union** Does Respondent or Spouse Belong to Union

**uscitzn** Is Respondent US Citizen

**vetyears** Years in Armed Forces

**vote08_coded** Did Respondent Vote in 2008 Election

**voted08** Did Respondent Vote in 2008?

**white_traits** White Stereotypes

**wordsum** Number Words Correct in Vocabulary Test

**workhard** To Work Hard

**wrkgvt** Respondent Work for Government or Private Employee

**wrkslf** Respondent Self-Emp or Works For Somebody

**wrkstat** Labor Force Status

**wrkwayup** Irish, Italian, Jewish and other Should Overcome Prejudice Without Favors

**wtss** Weight Variable

**wtssall** Weight Variable (same as wtss)

**xmarsex** Sex With Person Other Than Spouse

**year** GSS Year For This Respondent

**zodiac** Respondent's Astrological Sign

#### Source

2012 General Social Survey. See Appendix Table A.1 of printed textbook for further information

---

| gssD | *GSS design dataset for R Companion to Essentials of Political Analysis, Second Edition* |
|------|------|

---

#### Description

The General Social Survey polls individuals about their attitudes and beliefs. This design dataset is used to demonstrate application of certain R functions to political analysis. See gss dataset documentation for variable names and descriptions.

#### Usage

```
gssD
```

#### Format

A design dataset version of the gss dataset used for certain weighted analyses. The variables element has 1974 observations of 221 variables.

#### Source

2012 General Social Survey. See Appendix Table A.1 of printed textbook for further information

---

imeansC                    *Controlled Mean Comparison Table*

---

#### Description

Produces a controlled mean comparison table. Rows defined by values of independent variable and columns defines by values of the control variable.

#### Usage

```
imeansC(function1 = NULL, function2 = NULL, data, digits = 2)
```

#### Arguments

| | |
|---|---|
| function1 | A function identifying the dependent variable in the form ~ depvar |
| function2 | A function specifying the independent and control variables in the form ~ indepvar + controlvar |
| data | A design dataset (like gssD, nesD, statesD, or worldD) |
| digits | Number of digits to report after decimal place, optional (default = 2). |

#### Value

A controlled mean comparison table (an "ftable" class object)

#### Examples

```
library(poliscidata)

imeansC(function1 = ~ft_dem, function2 = ~gender + married, data=nesD)

imeansC(~ft_dem, ~gender + married, nesD)
```

---

inverse.logit                        *Calculates predicted probability for a given logged odds value*

---

### Description

This function calculates predicted probability for a given logged odds value, often useful for plotting or reporting predicted probabilities.

### Usage

```
inverse.logit(logged_odds)
```

### Arguments

logged_odds        A numeric value, or vector of numeric values.

### Value

Returns predicted probability corresponding the the logged odds value, a numeric value between 0 and 1.

### Examples

```
inverse.logit(0)

inverse.logit(-5:5)
```

---

iplotC                        *Interaction plot*

---

### Description

Interaction plot uses `brkdn.plot` in plotrix package and `svyby` function from survey package. Warnings suppressed so the function creates plot without generating intermediate results used to create plot.

### Usage

```
iplotC(function1 = NULL, function2 = NULL, data, function3 = NULL, ...)
```

### Arguments

| | |
|---|---|
| function1 | A function in the form ~depvar |
| function2 | A function. Here indepvar is typed before controlvar: ~indepvar + controlvar |
| data | Design dataset (e.g. nesD, gssD, statesD, or worldD) |
| function3 | A function. Here indepvar is typed after controlvar: ~controlvar + indepvar |
| ... | Further arguments to be passed to `brkdn.plot` function (plotrix package) |

## Value

No value returned

## Examples

```
library(poliscidata)

iplotC(function1 = ~ ft_dem, function2 = ~ gender + married,
        data = nesD, function3 = ft_dem ~ married + gender)

iplotC(~ft_dem, ~gender+married, nesD, ft_dem~married+gender,
        xlab="Gender", ylab="Democratic Party Rating",
        main="Democratic Party Rating by Gender and Marital Status")
```

---

lineType                           *Displays line types for R plots*

---

## Description

Displays line types for R plots. No values supplied to function.

## Usage

```
lineType()
```

## Value

No value returned

## Examples

```
lineType()
```

---

logregR2                           *Logistic regression model statistics*

---

## Description

Logistic regression model statistics

## Usage

```
logregR2(model, digits = 3)
```

## Arguments

| | |
|---|---|
| `model` | An estimated logistic regression model |
| `digits` | Number of digits to be displayed after decimal points |

## Value

Returns list of statistics about model (a "LogRegR2" class object)

## Examples

```
  library(poliscidata)
obama_state_model <- glm(obama_win12 ~ secularism + gunlaw_rank, data=states, family=binomial)
 summary(obama_state_model)
 logregR2(obama_state_model)

 obama_vote_model <- svyglm(obama_vote ~ ft_dem, design=nesD, family="quasibinomial")
 summary(obama_vote_model)
 logregR2(obama_vote_model)
```

---

nes                               *NES dataset for R Companion to Essentials of Political Analysis, Second Edition*

---

## Description

The American National Election Survey polls individuals about their political beliefs and behavior. This dataset is used to demonstrate application of R to political analysis. See book Appendix for variable names and descriptions.

## Usage

```
nes
```

## Format

A data frame with 5916 rows and 399 variables.

**abort_scale**  Anti-abortion Scale

**abort4**  Abortion Opinion: Self-Placement, 4 Categories

**abortpre_4point**  Abortion Opinion: Self-Placement, 4 Categories

**aidblack_self**  Support for Government assistance to blacks scale, 7 point scale

**auth_consid**  Child trait more important: considerate or well-behaved

**auth_cur**  Child trait more important: curiosity or good manners

**auth_ind**  Child trait more important: independence or respect

**auth_obed**  Child trait more important: obedience or self-reliance

**authoritarianism**  Authoritarianism (4 point scale based on child trait questions)

**black**  Is Respondent Black?

**budget_deficit_x**  Favor reducing the Federal budget deficit, 7 point scale

**caseid**  Case ID

**casistart_iwrset4**  Does Respondent have a dog (Interview set-up test)

**casistartpo_iwrset4**  Does Respondent have a dog (Interview set-up test)

**cog_opin_x**  Number of opinions Respondent has compared to average person

**congapp_job_x**  Approval of Congress

**congapp_jobst**  Strength of approve/disapprove Congress handling its job

**conservatism**  ftgr_cons minus ftgr_liberals

**cses_closepty**  Close to any political party?

**cses_contct**  Campaign mobilization: institutional contact

**cses_email**  Campaign mobilization: institutional contact - email

**cses_ftf**  Campaign mobilization: institutional contact - in person

**cses_gotv**  Respondent contacted by party/candidate?

**cses_govtact**  Support for government action income inequality (5 point scale)

**cses_govtact_3**  Government action on income inequality (3 point scale)

**cses_mail**  Campaign mobilization: institutional contact - by mail

**cses_mobph**  Campaign mobilization: sign up online information or alerts

**cses_perseml**  Campaign mobilization: personal contact - email

**cses_persftf**  Campaign mobilization: personal contact - in person

**cses_persmail**  Campaign mobilization: personal contact - by mail

**cses_persph**  Campaign mobilization: personal contact - by phone

**cses_perstxt**  Campaign mobilization: personal contact - text message

**cses_persuade**  Campaign mobilization: personal contact

**cses_persweb**  Campaign mobilization: personal contact - social network

**cses_phone**  Campaign mobilization: institutional contact - by phone

**cses_poliinffour**  Political information - Secretary of the U.N.

**cses_poliinfone**  Political information - Secretary of the Treasury

**cses_poliinfthree**  Political information - party 2nd in House seats won

**cses_polinf_x**  Pol info scale

**cses_polinftwo**  Political information - unemployment rate

**cses_polinftwo_date**  Political information - date used for date of unemployment rate

**cses_polinftwo_rate**  Political information - number used for unemployment rate

**cses_spending**  Econ conservatism (numeric scale)

**deathpen**  Death Penalty Opinion

**defsppr_self**  Support for defense spending, 7 point scale

**dem** Party identification: Does Respondent self-identify as Democrat? (coded 0/1)

**dem_age_group_r** Demographic: Age Groups

**dem_age3** Demographic: Age group

**dem_age6** Demographic: Six Age Groups

**dem_agegrp_iwdate** Demographic: Respondent age on interview date (age group)

**dem_educ3** Demographic: Education

**dem_edugroup** Demographic: Respondent level of highest education

**dem_hisp** Demographic: Is Respondent Spanish, Hispanic, or Latino

**dem_marital** Demographic: Marital status

**dem_parents** Demographic: Native status of parents

**dem_racecps_black** Demographic: Race self-identification: mention Black

**dem_racecps_racedkrf** Demographic: Race self-identification with don't know or refused to say

**dem_racecps_white** Demographic: Race self-identification: mention White

**dem_raceeth** Demographic: Respondent race and ethnicity group

**dem_raceeth2** Demographic: White/Black

**dem_raceeth4** Demographic: Respondent race and ethnicity group

**dem_unionhh** Demographic: Anyone in household belong to labor union

**dem_veteran** Demographic: Respondent ever served on active duty in Armed Forces

**dem2_numchild** Demographic: Total Number of children in household

**dem3_ownhome** Demographic: Does Respondent family own/rent home

**dem3_yearscomm** Demographic: How many years has Respondent lived in this community?

**dhs_appterr_x** Homeland security: Approve/disapprove of efforts to reduce terrorism

**dhs_attack** Homeland security: Likely terrorist attack kill 100/more in next year?

**dhs_threat_x** Homeland security: Is fed. gov't a threat to rights and freedoms? (numeric scale)

**dhs_threat3** Homeland security: Is fed. gov't a threat to rights and freedoms?

**dhs_torture_x** Homeland security: Favor/Oppose torture for suspected terrorists

**dhsinvolv_board** Civic engagement: Has Respondent in past 4 years: attended city/school board meeting

**dhsinvolv_call** Civic engagement: Has Respondent in past 4 years: called radio/TV about political issue

**dhsinvolv_contact1** Civic engagement: Contact U.S. Representative or Senator

**dhsinvolv_letter** Civic engagement: written a letter to newspaper/magazine about political issue

**dhsinvolv_march** Civic engagement: Has Respondent joined a protest march

**dhsinvolv_message** Civic engagement: sent Facebook/Twitter message about political issue

**dhsinvolv_netpetition** Civic engagement: Has Respondent in past 4 years: sign internet petition

**dhsinvolv_org** Civic engagement: Has Respondent in past 4 years: gave money to social/political organization

**dhsinvolv_petition** Civic engagement: Has Respondent signed paper petition

**dhsinvolv_relig** Civic engagement: Has Respondent in past 4 years: given money to religious organization

**discrim_blacks** Discrimination: Amount against Blacks

**discrim_blacks_r** Discrimination: Against Blacks? (yes/no)

**discrim_gays** Discrimination: Amount against Gays and Lesbians?

**discrim_gays_r** Discrimination: Against gays? (yes/no)

**discrim_hispanics** Discrimination: Amount against Hispanics

**discrim_hispanics_r** Discrimination: Against Hispanics? (yes/no)

**discrim_scale** Discrimination: How much discrimination against blacks, gays, Hispanics, women? (Sum of yes answers)

**discrim_self** Discrimination: How much discrimination faced personally?

**discrim_whites** Discrimination: Amount against Whites

**discrim_women** Discrimination: Amount against Women

**discrim_women_r** Discrimination: Against women? (yes/no)

**discuss_disc** Ever discuss politics with family or friends

**discuss_discpstwk** Days in past week discussed politics

**ecblame_fmpr** Economy: How much is former President to blame for poor economy?

**ecblame_pres** Economy: How much is President to blame for poor economy?

**econ_ecnext_x** Economy: U.S. economy better or worse 1 year from now

**econ_ecnextamt** Economy: How much better/worse next 12 months

**econ_ecnow** Economy: Currently good or bad

**econ_ecpast** Economy: Better/worse in last year

**econ_ecpast_x** Economy: Better or worse than 1 year ago

**econ_ecpastamt** Economy: How much better/worse in last year

**econ_unlast** Economy: How much unemployment better/worse in last year

**econ_unnext** Economy: More/less unemployment in next year

**econ_unpast** Economy: Unemployment better/worse in last year

**econ_unpast_x** Economy: Unemployment better/worse than 1 year ago

**econcand_dwin** Economy: Better/worse if Democratic Presidential candidate wins

**econcand_rwin** Economy: Better/worse if Republican Presidential candidate wins

**ecperil_home** How do you pay for your home?

**effic_carerev** Political efficacy: Public officials don't care what people think

**effic_carestd** Political efficacy: Public officials don't care what people think

**effic_complicrev** Political efficacy: Politics/government too complicated to understand

**effic_complicstd** Political efficacy: Politics/government too complicated to understand

**effic_external** Political efficacy: External political efficacy (numeric scale)

**effic_external3** Political efficacy: External political efficacy (3 categories)

**effic_internal** Political efficacy: Internal political efficacy (numeric scale)

**effic_internal3**  Political efficacy: Internal political efficacy (3 categories)

**effic_sayrev**  Political efficacy: Have no say about what government does

**effic_saystd**  Political efficacy: Have no say about what government does

**effic_undrev**  Political efficacy: Good understanding of political issues

**effic_undstd**  Political efficacy: Good understanding of political issues

**efficpo_bothside**  Political efficacy: How often see both disagreeing parties as right

**egal_bigprob**  Equality: It's a big problem that we don't give equal chance to succeed

**egal_equal**  Equality: Society should make sure everyone has equal opportunity

**egal_fewerprobs**  Equality: If people were treated more fairly would be fewer problems

**egal_notbigprob**  Equality: Not a big problem if some have more chance in life

**egal_scale**  Equality: Egalitarianism (numeric scale)

**egal_scale_3**  Equality: Egalitarianism: 3 categories

**egal_toofar**  Equality: We have gone too far pushing equal rights

**egal_worryless**  Equality: We'd be better off if worried less about equality

**envir**  Environment: Environment more important response (on envjob_3) as 0/100

**envir_drill**  Environment: Favor/oppose increased U.S. offshore drilling

**envir_gwarm**  Environment: Is global warming happening or not

**envir_gwgood**  Environment: Rising temperatures good or bad

**envir_gwhow**  Environment: Anthropogenic climate change

**envir_nuke**  Environment: Should US have more/fewer nuclear power plants

**enviro.yes**  Environment: Environment more important response (on envjob_3) as 0/100

**envjob_3**  Environment: Environment or jobs more important?

**envjob_self**  Environment: 7 point scale environment-jobs tradeoff

**fairjob_opin_x**  Opinion about government ensuring fair jobs for blacks

**fedspend_child**  Federal budget increase/decrease: child care

**fedspend_childr**  Federal budget increase/decrease: child care (rev. scale)

**fedspend_crime**  Federal budget increase/decrease: crime control

**fedspend_crimer**  Federal budget increase/decrease: crime control (rev. scale)

**fedspend_enviro**  Federal budget increase/decrease: protecting environment

**fedspend_enviror**  Federal budget increase/decrease: protecting environment (rev. scale)

**fedspend_poor**  Federal budget increase/decrease: aid to the poor

**fedspend_poorr**  Federal budget increase/decrease: aid to the poor (rev. scale)

**fedspend_scale**  Federal Spending Scale (numeric scale, sum of increase responses)

**fedspend_schools**  Federal budget increase/decrease: public schools

**fedspend_schoolsr**  Federal budget increase/decrease: public schools (rev. scale)

**fedspend_scitech**  Federal budget increase/decrease: science and technology

**fedspend_scitechr**  Federal budget increase/decrease: science and technology (rev. scale)

**fedspend_ss**  Federal budget increase/decrease: Social Security

**fedspend_ssr**  Federal budget increase/decrease: Social Security (rev. scale)

**fedspend_welfare**  Federal budget increase/decrease: welfare programs

**fedspend_welfarer**  Federal budget increase/decrease: welfare programs (rev. scale)

**fem3**  Feeling about feminists (recode of ftgr_feminists into 3 categories)

**finance_finfam**  Financial situation: Respondent living with how many family members

**finance_finnext_x**  Financial situation: Better or worse off 1 year from now

**finance_finpast_x**  Financial situation: Better or worse off than 1 year ago

**ft_dem**  Feeling Thermometer: Democratic Party

**ft_dpc**  Feeling Thermometer: Democratic Presidential candidate

**ft_dvpc**  Feeling Thermometer: Democratic Vice-Presidential candidate

**ft_gwb**  Feeling Thermometer: G.W. Bush

**ft_hclinton**  Feeling Thermometer: Hillary Clinton

**ft_rep**  Feeling Thermometer: Republican Party

**ft_rpc**  Feeling Thermometer: Republican Presidential candidate

**ft_rvpc**  Feeling Thermometer: Republican Vice-Pres candidate

**ftcasi_asian**  Feeling thermometer: Asian-Americans

**ftcasi_black**  Feeling thermometer: Blacks

**ftcasi_hisp**  Feeling thermometer: Hispanics

**ftcasi_illegal**  Feeling thermometer: Illegal Immigrants

**ftcasi_white**  Feeling thermometer: Whites

**ftf_oversample**  Was Respondent a 2012 Time Series Oversample Case?

**ftgr_atheists**  Feeling thermometer: Atheists

**ftgr_bigbus**  Feeling thermometer: Big Business

**ftgr_catholics**  Feeling thermometer: Catholics

**ftgr_congress**  Feeling thermometer: Congress

**ftgr_cons**  Feeling thermometer: Conservatives

**ftgr_fedgov**  Feeling thermometer: Federal Government

**ftgr_fem3**  Feeling thermometer: Feminists (3 categories)

**ftgr_feminists**  Feeling thermometer: Feminists

**ftgr_gay**  Feeling thermometer: Gay Men and Lesbians

**ftgr_liberals**  Feeling thermometer: Liberals

**ftgr_middle**  Feeling thermometer: Middle Class People

**ftgr_military**  Feeling thermometer: The Military

**ftgr_mormons**  Feeling thermometer: Mormons

**ftgr_muslims**  Feeling thermometer: Muslims

**ftgr_poor**  Feeling thermometer: Poor People

**ftgr_rich**  Feeling thermometer: Rich People

**ftgr_tea**  Feeling thermometer: Tea Party

**ftgr_unions**  Feeling thermometer: Labor Unions

**ftgr_ussc**  Feeling thermometer: The U.S. Supreme Court

**ftgr_welfare**  Feeling thermometer: People on Welfare

**ftgr_working**  Feeling thermometer: Working Class People

**ftgr_xfund**  Feeling thermometer: Christian Fundamentalists

**ftgr_xian**  Feeling thermometer: Christians

**ftpo_dpcsp**  Feeling thermometer: Spouse of Democratic Presidential candidate

**ftpo_dvpc**  Feeling thermometer: Democratic Vice Presidential candidate

**ftpo_hdc**  Feeling thermometer: House Democratic Candidate

**ftpo_hoth**  Feeling thermometer: House Independent/3rd-party Candidate

**ftpo_hrc**  Feeling thermometer: House Republican Candidate

**ftpo_pres**  Feeling thermometer: Democratic Presidential candidate

**ftpo_roberts**  Feeling thermometer: John Roberts

**ftpo_rpc**  Feeling thermometer: Republican Presidential candidate

**ftpo_rpcsp**  Feeling thermometer: Spouse of Republican Presidential candidate

**ftpo_rvpc**  Feeling thermometer: Republican Vice Presidential candidate

**ftpo_sdc**  Feeling thermometer: Senate Democratic Candidate

**ftpo_senjr**  Feeling thermometer: Jr. Senator in State Without Race

**ftpo_sennot**  Feeling thermometer: Non-running Senator in State W/Race

**ftpo_sensr**  Feeling thermometer: Sr. Senator in State Without Race

**ftpo_soth**  Feeling thermometer: Senate Independent/3rd-party Candidate

**ftpo_src**  Feeling thermometer: Senate Republican Candidate

**gay_adopt**  Gay rights: gayrt_adopt==1. Yes

**gay_disc**  Gay rights: gayrt_discstd_x==1. Approve strongly

**gay_marry**  Gay rights: Approve same-sex marriage?

**gay_mil**  Gay rights: gayrt_milstd_x==1. Feel strongly that homosexuals should be allowed to serve

**gay_rights3**  Gay rights: Gay Rights Support (3 categories)

**gayrt_adopt**  Gay rights: Should gay and lesbian couples be allowed to adopt?

**gayrt_discrev_x**  Gay rights: favor laws against gays/lesbians job discrimination (rev.)

**gayrt_discstd_x**  Gay rights: favor laws against gays/lesbians job discrimination

**gayrt_marry**  Gay rights: Respondent position on gay marriage

**gayrt_milrev_x**  Gay rights: allow gays/lesbians serve in US armed forces (reversed)

**gayrt_milstd_x**  Gay rights: allow gays/lesbians serve in US armed forces

**gender**  Respondent's Gender

**govrole_scale**  Pro-government scale (numeric scale)

**guarpr_self**  Should gov't guarantee a job and standard of living? (7 point scale)

**gun_control**  Gun control: Should federal gov't make it more difficult to buy a gun?

**gun_control2**  Gun control: Make it more difficult to buy a gun?

**gun_importance**  Gun control: Importance of gun access issue to R

**gun_importance3**  Gun control: How important is gun issue?

**happ_lifesatisf**  How satisfied is Respondent with life?

**health_2010hcr_x**  Health care: Support 2010 health care law

**health_insured**  Health care: Does Respondent have health insurance

**health_self**  Health care: Health of Respondent

**health_smoke**  Health care: Smoked Cigarettes

**health_smokeamt**  Health care: If smoked, how many now

**hispanic**  Is Respondent Hispanic?

**hlthlaw_num**  Health care: Health Care Law effect on number insured

**hlthlaw_qual**  Health care: Health Care Law effect on health care services

**hseinc_approval**  Congress: Approve or disapprove of House incumbent

**hseinc_approval_x**  Congress: House incumbent approval

**hseinc_appstr**  Congress: How much approve House incumbent

**hseinc_disstr**  Congress: How much disapprove House incumbent

**hseinc_hinctouch**  Congress: How good a job does House incumbent do in district

**immig_checks**  Immigration: Opinion on immigration status checks on suspects

**immig_citizen**  Immigration: Opinion on allowing citizenship to some illegal aliens

**immig_policy**  Immigration: U.S. government policy toward unauthorized immigrants

**immigpo_jobs**  Immigration: How likely immigration will take away jobs

**immigpo_level**  Immigration: What should immigration levels be

**imports_limit**  Favor or oppose limits on foreign imports

**inc_incgroup_pre**  Respondent's family income

**incgroup_prepost**  Respondent's family income

**income5**  Respondent's income quintile

**indifference**  Indifference scale

**ineq_incgap_x**  Income gap size compared to 20 years ago

**ineqinc_ineqgb**  Is increased income inequality in U.S. good?

**ineqinc_ineqreduc**  Does Respondent favor/oppose government reducing income inequality?

**inspre_self**  Health care: Should care be insured by government or by private medical insurance? (7 point scale)

**involv_contact**  Involvement in politics: Contact congress?

**involv_message**  Involvement in politics: post political message?

**involv_numorgs_4** Involvement in politics: Number of group memberships

**involv_org** Involvement in politics: Give money to political organization?

**involv_petition** Involvement in politics: Sign net petition?

**involv_voltr** Involvement in politics: Has Respondent done any volunteer work in past 12 months?

**israel_support** Is U.S. too supportive of Israel or not supportive enough

**knowl_housemaj** Political knowledge: Know party with most members in House?

**knowl_senmaj** Political knowledge: Know party with most members in Senate?

**libcon3** Respondent's Political Ideology (3 categories)

**libcpo_self** Respondent's Political Ideology (7 point scale)

**libcpre_ptyd** Ideological placement of Democrats (7 point scale)

**libcpre_ptyr** Ideological placement of Republicans (7 point scale)

**libcpre_rpc** Ideological placement of Republican Pres. Candidate (7 point scale)

**libcpre_self** Respondent's Political Ideology (7 point scale)

**libcpre_self_x** Respondent's Political Ideology (7 point scale)

**link_black_scale** Linked fate: blacks

**link_hisp_scale** Linked fate: Hispanics

**link_oth_scale** Linked fate: other people

**link_white_scale** Linked fate: whites

**link_wom_scale** Linked fate: women

**married** Demographic: Is Respondent married?

**mobilpo_x** Campaign mobilization: Respondent contacted by Party, Candidates, GOTV (numeric scale)

**mode** Mode of interview (face-to-face or internet)

**modsex_disc** Sex discrimination: How much job discrimination against women

**modsex_discamt** Sex discrimination: Discrimination against women

**modsex_media_x** Sex discrimination: How much attention media should pay to discrimination against women

**modsex_oppor_x** Sex discrimination: Opportunities compared for women and men

**modsex_prob** Sex discrimination: Do women complaining about discrimination cause more problems

**modsex_scale** Sex discrimination: Modern sexism

**modsex_special** Sex discrimination: Do women demanding equality seek special favors

**modsex_wommore** Sex discrimination: How much more opportunities do women have

**mormon_xn** Mormon a Christian religion?

**nesw** Sampling weights: Weight variable

**nesw_rnd** Sampling weights: Weight variable (rounded)

**obama_therm** Obama Rating

**obama_vote** Respondent vote for Obama?

**orientn_knowgay**  Sexual orientation of family and friends

**orientn_rgay**  Respondent's sexual orientation

**own_dog**  Does Respondent own a dog?

**owngun_owngun**  Does Respondent own a gun

**patriot_amident**  Patriotism: Important being American

**patriot_flag**  Patriotism: Emotion seeing flag fly

**patriot_love**  Patriotism: Love of country

**patriotism**  Patriotism scale

**penalty_dpenstr**  Strength Respondent favors/opposes death penalty

**penalty_favdpen**  Respondent favor/oppose death penalty

**penalty_favopp_x**  Favor death penalty?

**pid_3**  Party Identification, 3 categories

**pid_x**  Party Identification, 7 categories

**polknow_combined**  Political knowledge: Number political facts correct

**polknow3**  Political knowledge, 3 categories

**postvote_presvt**  Did Respondent vote for President

**postvote_presvtwho**  For whom did Respondent vote for President

**postvote_rvote**  Did Respondent vote in the November general election

**postvote_votehs**  Did Respondent vote for U.S. House of Representatives

**pot_legal**  Should marijuana be legal?

**pot_legal3**  Legalize marijuana?

**preknow_leastsp**  Political knowledge: Program that federal gov't spends the least on

**preknow_medicare**  Political knowledge: What is Medicare

**preknow_prestimes**  Political knowledge: Number of times president can be elected

**preknow_senterm**  Political knowledge: Years Senator Elected

**preknow_sizedef**  Political knowledge: Size of federal deficit

**preknow3**  Political knowledge, 3 categories

**pres_econ**  Presidential approval: Handling of economy (Recode of presapp_econ)

**pres_vote12**  Respondent's vote in 2012 presidential election

**presapp_econ_x**  Presidential approval: Handling of economy

**presapp_foreign**  Presidential approval: Handling of foreign relations

**presapp_foreign_x**  Presidential approval: Handling of foreign relations

**presapp_health_x**  Presidential approval: Handling of health care

**presapp_job_x**  Presidential approval: Handling of job

**presapp_scale**  Presidential approval scale

**presapp_war_x**  Presidential approval: Handling of war in Afghanistan

**presvote2012_2**  Respondent's vote in 2012 presidential election

**presvote2012_x**  Respondent's vote in 2012 presidential election

**preswin_care**  Care who wins Presidential Election

**preswin_dutychoice_x**  Does Respondent consider voting as duty/choice

**prevote_primv**  Did Respondent vote in the Presidential primary or caucus

**prevote_primvwho**  Which candidate did Respondent vote for in Pres. primary or caucus

**prochoice_scale**  Abortion: Pro-choice Scale

**relig_4cat**  Religion: Catholic, other Christian, other, or not religious?

**relig_attend**  Religion: Attend services

**relig_attend3**  Religion: Attend services

**relig_bornagn**  Religion: Does Christian Respondent consider self born-again?

**relig_guide**  Religion: Provides guidance in day-to-day living

**relig_imp**  Religion: Important to Respondent?

**relig_imp2**  Religion: Important to Respondent?

**relig_import**  Religion: Important part of Respondent's life

**relig_pray**  Religion: How often does Respondent pray

**relig_wordgod**  Religion: Is Bible word of God or men

**resent_deserve**  Black community: Agree/disagree blacks have gotten less than deserve

**resent_racial_scale**  Black community: Racial conservatism scale

**resent_slavery**  Black community: Agree/disagree past slavery make life more difficult

**resent_try**  Black community: Agree/disagree blacks must try harder to get ahead

**resent_workway**  Black community: Agree/disagree that blacks should work way up without special favors

**rvote2012_x**  Did Respondent vote in November general election?

**sample_district**  Respondent's Congressional district (in 113th U.S. Congress)

**sample_ftfpsu**  Sample strata: Primary sampling unit for face-to-face cases

**sample_state**  State of Respondent address

**science_use**  How often should gov't use scientific methods to solve problems?

**scourt_elim_x**  Should the Supreme Court be done away with?

**scourt_remove_x**  Should it be possible to remove Supreme Court justices?

**south**  Respondent from South?

**spsrvpr_ssself**  Support for government services/spending (7 point scale)

**strata_ftf**  Sample strata for face-to-face sample component

**strata_full**  Sample strata for full sample

**tarp_favopp_x**  Favor the TARP program?

**tea_supp_x**  Tea Party support

**trad_adjust**  Traditional values: Agree/disagree world is changing we should adjust

**trad_famval**  Traditional values: Agree/disagree that more emphasis needed on traditional family values

**trad_lifestyle** Traditional values: Agree/disagree are newer lifestyles are breaking down society

**trad_tolerant** Traditional values: Agree/disagree that one should be more tolerant of other moral standards

**trad_values_scale** Traditional values: Moral traditionalism scale

**trust_social** Trust: How often can people be trusted?

**trustgov_bigintrst** Trust: Is government run by a few big interests or for benefit of all?

**trustgov_corrpt** Trust: How many in government are corrupt?

**trustgov_trustgrev** Trust: How often trust gov't in Wash to do what is right? (reversed)

**trustgov_trustgstd** Trust: How often trust government in Wash to do what is right?

**trustgov_waste** Trust: Does government waste much tax money?

**trustgvpo_crook** Trust: How many in government are crooked?

**usworld_stay** International relations: Country better off if we just stayed home

**usworld_stronger** International relations: During last year, U.S. position in world is weaker/stronger/same?

**version** ANES 2012 Time Series Release Version

**voted2008** Did Respondent vote for President in 2008? (Recode of interest_voted2008)

**voted2012** Did Respondent vote in 2012?

**voter_type** Voter type (non, new, voter)

**weight_ftf** Post-stratified weight for face-to-face cases, preliminary

**weight_full** Post-stratified weight for full sample, preliminary release

**weight_web** Post-stratified weight for web cases, preliminary release

**white** Is Respondent white?

**wiretap_warrant** Wiretaps: Favor or oppose authority to wiretap terrorism suspects?

**wiretappo_toofar** Wiretaps: Has government power gone too far?

**women_bond_x** Working women: Harder to establish bond with child?

**women_role** Working women: Women's role (numeric scale)

**women_role_2** Working women: Women's role at home or work?

**women_works_x** Working women: Better if man works and woman takes care of home and family?

**wpres_gdbd_x** How good/bad to have woman president in next 20 years?

**wt** Sampling weight

**year** ANES year

**Source**

2012 American National Election Survey. See Appendix Table A.2 of printed textbook for further information

---

nesD *NES design dataset for R Companion to Essentials of Political Analysis, Second Edition*

---

### Description

The American National Election Survey polls individuals about their political beliefs and behavior. This design dataset is used to demonstrate application of certain R functions to political analysis. See nes dataset documentation for variable names and descriptions.

### Usage

```
nesD
```

### Format

A design dataset version of the nes dataset used for certain weighted analyses. The variables element has 5916 observations of 399 variables.

### Source

2012 American National Election Survey. See Appendix Table A.2 of printed textbook for further information

---

orci *Translate logistic regression coefficients into odds ratios*

---

### Description

Generates odds-ratios based on logistic regression model coefficients

### Usage

```
orci(model, digits = 3)
```

### Arguments

| | |
|---|---|
| model | An estimated logistic regression model |
| digits | Number of digits after decimal to display |

### Value

Returns odds rations and confidence intervals in columns (a matrix class object)

## Examples

```
   library(poliscidata)
 obama_state_model <- glm(obama_win12 ~ secularism + gunlaw_rank, data=states, family=binomial)
 summary(obama_state_model)
 orci(obama_state_model)

 obama_vote_model <- svyglm(obama_vote ~ ft_dem, design=nesD, family="quasibinomial")
 summary(obama_vote_model)
 orci(obama_vote_model)
```

---

| pchisqC | *Comparing Logistic Regression Models with Chi-Squared Test* |
|---|---|

---

## Description

Comparing Logistic Regression Models with Chi-Squared Test

## Usage

```
pchisqC(reduced, full, digits = 3)
```

## Arguments

| | |
|---|---|
| reduced | The reduced logisitic regression model as an object. This is model with fewer independent variables. |
| full | The full logisitic regression model as an object. This is model with more independent variables. |
| digits | The number of digits to display after decimal point, default is 3. |

## Value

The chi-squared statistic, df, and p-value as a vector of numbers to test null hypothesis that full model no better than reduced model.

## Examples

```
   library(poliscidata)

 obama_vote_model_reduced <- svyglm(obama_vote ~ ft_dem + white, design=nesD,
                               family="quasibinomial")
 obama_vote_model_full <- svyglm(obama_vote ~ ft_dem + white + (owngun_owngun=="1. Yes"),
                             design=nesD, family="quasibinomial")
 pchisqC(obama_vote_model_reduced, obama_vote_model_full)
```

---

plotChar                    *Displays plotting characters available in R*

---

### Description

Displays plotting characters available in R. No values supplied to function.

### Usage

```
plotChar()
```

### Value

No return

### Examples

```
plotChar()
```

---

plotmeansC                  *Plots mean comparison*

---

### Description

Plots the mean values of a dependent variable at different values of nominal or ordinal independent variable. Makes use of survey package's svy

### Usage

```
plotmeansC(data, function1 = NULL, function2 = NULL, function3, w = 1, ...)
```

### Arguments

| | |
|---|---|
| data | A dataset (e.g. gss, nes, states, or world) or design dataset (e.g. gssD, nesD, statesD, or worldD) |
| function1 | A function in the form of ~ depvar |
| function2 | A formula in the form of ~ indepvar |
| function3 | A formula in the form of depvar ~ indepvar |
| w | Weights, in the form ~ weightvar (optional, not needed if you use a design dataset) |
| ... | Additonal arguments passed to gplots package's [plotmeans](plotmeans) function |

### Value

No return

### Examples

```
library(poliscidata)

plotmeansC(nesD, ~ft_hclinton, ~pid_x, ft_hclinton~pid_x,
xlab="Party Identification", ylab="Ratings of Hillary Clinton",
main="Ratings of Hillary Clinton by Party Identification")

plotmeansC(nes,~envir,~pid_3,envir~pid_3,w=~wt,
xlab="Party Identification",
ylab="Percent Pro-Environment",
main="Percentage Favoring Environment over Jobs,\n by Party ID")
```

---

printC                    *Prints html-ready table to local working directory*

---

### Description

Prints html-ready table to local working directory. Makes use of xtable package's `print.xtable` function. See pp. 22 of An R Companion to Political Analysis for example and more information.

### Usage

```
printC(objx)
```

### Arguments

objx              A table or data frame

### Value

No return

---

prop.testC                *Difference of Proportions Test*

---

### Description

Difference of proportions test with optional sample weights. Reports P-value of two-tailed significance test.

### Usage

```
prop.testC(y, x, w = NULL, digits = 3)
```

## Arguments

| | |
|---|---|
| y | Dependent variable, should be coded as 0 or 1. |
| x | Independent variable, should have only two unique values. |
| w | Weights, optional. |
| digits | Number of digits to report after decimal place, optional (default = 3). |

## Value

No return

## Examples

```
library(poliscidata)

prop.testC(nes$dem, nes$gender, w=nes$nesw)
```

---

quickConsolePrint          *Prints string to console quickly*

---

## Description

Prints string to console quickly, but still scolls for visual effect

## Usage

```
quickConsolePrint(linetoprint)
```

## Arguments

| | |
|---|---|
| linetoprint | Text to be printed to console |

## Value

No value returned

---

SetTextContrastColor     *Sets contrasting color for text*

---

### Description

Sets color for text that effectively contrasts with the background color specified. Used by the [Colors](#) function.

### Usage

```
SetTextContrastColor(color)
```

### Arguments

color          A color

### Value

Returns either "black" or "white"

---

slowConsolePrint     *Prints string to console slowly*

---

### Description

Prints string to console slowly to make text more readable to the user. Used by [welcome](#) function.

### Usage

```
slowConsolePrint(linetoprint, slow = 0.05)
```

### Arguments

linetoprint    Text to be printed to console

slow           Time, in milliseconds, to wait between characters printed to console (default is
               .05).

### Value

No value returned

---

somersD                                     *Calculates Somer's D*

---

### Description

This function calculates the Somer's D measure of association statistic. This function makes use of the svytable function from the survey package.

### Usage

```
somersD(formula, data)
```

### Arguments

formula          A formula in the form ~ indepvar + depvar

data             A design dataset (e.g. gssD, nesD, statesD, or worldD)

### Value

Return Somer's D measure of association statistic, a number between 0 and 1.

### Examples

```
    library(poliscidata)

    somersD(~ dem_educ3 + envjob_3, nesD)
```

---

sortC                                       *Returns case-level information in order*

---

### Description

Returns case-level information in order specified by user.

### Usage

```
sortC(data, id, by, descending = TRUE)
```

### Arguments

data             Dataset to be sorted.

id               A variable in the dataset (data) that identfies individual cases, typically the name of states, countries, etc.

by               Variable the dataset should be sorted by.

descending       Should the cases be sorted in descending order? By default, set to TRUE.

## Value

A data frame of sorted observations.

## Examples

```
library(poliscidata)

sortC(data=states, id=state, by=abortlaw10)

sortC(data=states, id=state, by=abortlaw10, descending=FALSE)
```

---

| states | *States dataset for R Companion to Essentials of Political Analysis, Second Edition* |
|---|---|

---

## Description

A dataset with variables about the 50 states. This dataset is used to demonstrate application of R to political analysis. See book Appendix for variable names and descriptions.

## Usage

```
states
```

## Format

A data frame with 50 rows and 135 variables.

**abort_rank3** Abortion restrictions (3 category ranking)

**abort_rate05** Abortions per 1,000 women (2005)

**abort_rate08** Number of abortions per 1,000 women aged 15-44 (2008)

**abortion_rank12** 2012 Abortion rank (Americans United for Life)

**abortlaw10** Number of restrictions on abortion (2010)

**abortlaw3** Abortion restrictions (three tiers of number of restrictions)

**adv_or_more** Percent of population with advanced degree or higher

**alcohol** Alcohol consumption in gallons per capita (2007)

**attend_pct** Percent frequently attend religious serviced (Pew)

**ba_or_more** Percent of population with college degree or higher

**battle04** Battleground state in 2004?

**blkleg** Percent of state legislators who are black

**blkpct04** Percent black (2004)

**blkpct08** Percent black (2008)

**blkpct10** Percent black (2010)

**bush00**  Percent voting for Bush in 2000

**bush04**  Percent voting for Bush in 2004

**carfatal**  Motor vehicle fatalities (per 100,000 pop)

**carfatal07**  Motor vehicle fatalities per 100,000 pop (2007)

**cig_tax**  Cigarette tax per pack (2007)

**cig_tax_3**  Cigarette tax per pack: 3 categories (2007)

**cig_tax12**  Cigarette tax per pack (2012)

**cig_tax12_3**  Cigarette tax per pack: 3 categories (2012)

**cigarettes**  Packs smoked bimonthly per adult (2003)

**college**  Percent of population with college or higher

**conpct_m**  Percent mass public Conservative

**cons_hr06**  Conservatism score, US House delegation (2006)

**cons_hr09**  Conservatism score, US House delegation (2009)

**conserv_advantage**  Conservative advantage, mass public (2012)

**conserv_public**  Percent mass public conservative (2013)

**cook_index**  Cook Index: Higher scores mean more Democratic

**cook_index3**  3 quantiles of cook_index

**defexpen**  Federal defense expenditures per capita

**dem_advantage**  Democratic advantage, mass public (2012)

**dem_hr09**  Percent US House delegation Democratic (2009)

**demhr11**  Percent HR delegation Democratic (2011)

**demnat06**  Percent US House and Senate Democratic (2006)

**dempct_m**  Percent mass public Democratic

**demstate06**  Percent of state legislators who are Democrats (2006)

**demstate09**  Percent of state legislators who are Democrats (2009)

**demstate13**  Percent state legislature Democrats (2013)

**density**  Population density (2010)

**division**  Census division (9 different regions of country)

**earmarks_pcap**  Earmarks per capita (in dollars)

**evm**  State electoral vote: McCain (2008)

**evo**  State electoral vote: Obama (2008)

**evo2012**  Obama's Electoral College vote

**evr2012**  Romney's Electoral College vote

**gay_policy**  Billman's policy scale (4 ordinal categories)

**gay_policy_con**  Does state have 'most conservative' gay policies?

**gay_policy2**  RECODE of gay_policy (Billman's policy scale)

**gay_support**  Lax-Phillips opinion index

**gay_support3** Gay rights: public support (3 categories)

**gb_win00** Did Bush win electoral vote, 2000?

**gb_win04** Did Bush win electoral vote, 2004?

**gore00** Percent voting for Gore 2000

**govt_worker** Percentage workforce government workers (2012)

**gun_check** Background checks for gun purchases per 100,000 pop (2012)

**gun_dealer** Gun dealers per 100,000 pop

**gun_murder10** Gun murder rate (2010)

**gun_rank_rev** Recode of gun_rank11 so higher number ranks = more gun restrictions

**gun_rank11** Brady gun rank (2011)

**gun_rank3** Recode of gun_rank11 (3 ordinal categories)

**gun_scale11** Brady gun law scale (2011)

**gunlaw_rank** Brady campaign rank (2008)

**gunlaw_rank3_rev** Number of restrictions (2008)

**gunlaw_scale** Brady campaign score (2008)

**hispanic04** Percent Hispanic (2004)

**hispanic08** Percent Hispanic (2008)

**hispanic10** Percent Hispanic (2010)

**hr_cons_rank11** Conservativism ranking of House of Representatives delegation (2011, American Conservative Union)

**hr_conserv11** Conservativism rating of House of Representatives delegation (2011, American Conservative Union)

**hr_lib_rank11** Liberalism ranking of House of Representatives delegation (2011, Americans for Democratic Action)

**hr_liberal11** Liberalism rating of House of Representatives delegation (2011, Americans for Democratic Action)

**hs_or_more** Percent population high school education or higher

**indpct_m** Percent mass public Independent

**kerry04** Percent voting for Kerry 2004

**libpct_m** Percent mass public Liberal

**mccain08** Percent voting for McCain 2008

**modpct_m** Percent mass public Moderate

**nader00** Percent voting for Nader 2000

**obama_win08** Did Obama win electoral vote, 2008?

**obama_win12** Did Obama win the state in 2012?

**obama08** Percent voting for Obama 2008

**obama2012** Obama vote share in 2012

**over64** Percent population over age 64

**permit** Percent public that would always permit abortion (2004 NES)

**pop_18_24** Percent population aged 18-24 (2004)

**pop_18_24_10** Percent population aged 18-24 (2010)

**pop2000** State population, 2000

**pop2010** State population, 2010

**pop2010_hun_thou** State population, 2010 (in 100k)

**popchng0010** State population, 2000-2012

**popchngpct** State population percentage, 2000-2010

**pot_policy** Marijuana laws

**prcapinc** Per capita income

**prochoice** Percent public pro-choice

**prolife** Percent public pro-life

**region** Census region (4 categories)

**relig_cath** Percentage Catholic (2012)

**relig_high** Percentage high religiosity (2012)

**relig_import** Percent religion "A great deal of guidance"

**relig_low** Percentage low religiosity (2012)

**relig_prot** Percentage Protestant (2012)

**religiosity** Religious observance-belief scale (Pew)

**religiosity3** Religiosity (3 categories)

**reppct_m** Percent mass public Republican

**romney2012** Romney vote share in 2012

**rtw** Right to work state?

**secularism** Secularism scale (Pew)

**secularism3** 3 quantiles of secularism

**seniority_sen2** Does state have influential US Senator?

**smokers12** Percentage of population who smoke

**south** Southern state?

**state** State name

**stateid** Two letter postal abbreviation for state name

**to_0004** Percentage point change in turnout from 2000 to 2004

**to_0408** Percentage point change in turnout from 2004 to 2008

**to_0812** Percentage point change in turnout from 2008 to 2012

**trnout00** Turnout in 2000 presidential election

**trnout04** Turnout in 2004 presidential election

**unemploy** Unemployment rate (2004)

**uninsured_pct** Percentage without health insurance (2012)

**union04** Percent workers who are union members (2004)

**union07** Percent workers who are union members (2007)

**union10** Percent workforce unionized (2010)

**urban** Percent urban population (2000)

**vep00_turnout** Percent turnout of voting eligible population in 2000

**vep04_turnout** Percent turnout of voting eligible population in 2004

**vep08_turnout** Percent turnout of voting eligible population in 2008

**vep12_turnout** Percent turnout of voting eligible population in 2012

**womleg_2007** Percent of state legislators who are women (2007)

**womleg_2010** Percent of state legislators who are women (2010)

**womleg_2011** Percent of state legislators who are women (2011)

**womleg_2015** Percent of state legislators who are women (2015)

## Source

Data sources vary. See Appendix Table A.3 of printed textbook for further information.

---

| statesD | *States design dataset for R Companion to Essentials of Political Analysis, Second Edition* |
|---|---|

---

## Description

This is a design dataset with variables about the 50 states. This design dataset is used to demonstrate application of certain R functions to political analysis. See [states](states) dataset documentation for variable names and descriptions.

## Usage

```
statesD
```

## Format

A design dataset version of the states dataset used for certain weighted analyses. The variables element has 50 observations of 135 variables.

## Source

Sources vary. See Appendix Table A.3 of printed textbook for further information

---

svybyC                          *Computes summary statistics*

---

### Description

Computes statistics for controlled mean comparison table. Used by [imeansC](#) function.

### Usage

```
svybyC(formula1 = NULL, formula2 = NULL, data, ...)
```

### Arguments

formula1        A formula

formula2        A formula

data            Dataset

...             Further arguments to be passed to svyby function.

### Value

A svyby-type object

---

svychisqC                       *Chi-Squared Statistic for Relationship Between Categorical Variables using Weighted Dataset*

---

### Description

This function reports chi-squared test statistic based on weighted dataset

### Usage

```
svychisqC(formula, design)
```

### Arguments

formula         Formula expressing the relationship between variables in the form ~ depvar + indepvar

design          Weighted design dataset (like gssD, nesD, statesD, or worldD)

### Value

No return

## Examples

```
library(poliscidata)

svychisqC(~ gay_rights3 + libcon3, nesD)
```

---

tablesomersDC                    *Produces summary statistics*

---

### Description

This function is called by [somersD](#) function.

### Usage

```
tablesomersDC(x, dep = 2)
```

### Arguments

x               A svytable

dep             which dimension stands for the dependent variable (1 = ROWS, 2 = COLS), default is 2.

### Value

No return

---

welcome                    *Function to Introduce Users to R Companion Environment*

---

### Description

Welcomes users to Companion Package to Political Analysis and provides basic information about using Companion functions and datasets.

### Usage

```
welcome()
```

### Value

No value returned

| world | *World dataset for R Companion to Essentials of Political Analysis, Second Edition* |
|---|---|

## Description

A dataset with variables about countries in the world. This dataset is used to demonstrate application of R to political analysis. See book Appendix for variable names and descriptions.

## Usage

```
world
```

## Format

A data frame with 167 rows and 103 variables.

**arda** Country numerical code

**colony** Colony of what country? (CIA)

**confidence** Confidence in institutions scale (World Values Survey)

**country** Country/territory name (title case)

**country1** Country/territory name (title case), may be same as country

**debt** Public debt as a percentage of GDP (CIA)

**decent08** Democratic decentralization, 2008 (UN)

**dem_economist** Full or Part Democracy (Economist, 2014)

**dem_level4** Regime type (Economist 2014)

**dem_other** Percentage of other democracies in region

**dem_other5** Percentage of other democracies in region: 5 categories

**dem_rank14** Democracy rank, lower scores more democratic (Economist 2014)

**dem_score14** Democracy score, higher scores more democratic (Economist 2014)

**democ** Is government a democracy? (Based on regime_type3)

**democ.yes** Is government a democracy? Coded 0/100 (Based on regime_type3)

**democ_regime** Is regime a democracy? (1990)

**democ_regime08** Is government a democracy? (may be redundant)

**democ11** Democracy score, 2011 (UN)

**district_size3** Average # of members per district (World Values Survey)

**dnpp_3** Effective number of parliamentary parties

**durable** Number of years since the last regime transition (Polity)

**effectiveness** Government effectiveness scale (Kaufmann 2002)

**enpp3_democ** Effective number of parliamentary parties: 3 categories

**enpp3_democ08** Effective number of parliamentary parties (World Values Survey)

**eu** EU member state (yes/no)

**fertility** Total fertility rate: Number children born per woman (CIA)

**fhrate04_rev** Freedom House rating of democracy (reversed)

**fhrate08_rev** Freedom House 1-7 scale reversed, rescaled 0-12

**frac_eth** Ethnic factionalization (combined linguistic and racial) (Alesina et al 2003)

**frac_eth2** Ethnic factionalization (combined linguistic and racial) (Binned)

**frac_eth3** Level of ethnic fractionalization: 3 categories

**free_business** Heritage Foundation rating: bus. freedom (2010)

**free_corrupt** Heritage Foundation rating: corruption (2010)

**free_finance** Heritage Foundation rating: financial freedom (2010)

**free_fiscal** Heritage Foundation rating: fiscal freedom (2010)

**free_govspend** Heritage Foundation rating: government spending (2010)

**free_invest** Heritage Foundation rating: invest freedom (2010)

**free_labor** Heritage Foundation rating: labor freedom (2010)

**free_monetary** Heritage Foundation rating: monetary freedom (2010)

**free_overall** Heritage Foundation rating: overall economic freedom (2010)

**free_overall_4** 4 quantiles of free_overall

**free_property** Heritage Foundation rating: property rights (2010)

**free_trade** Heritage Foundation rating: free trade (2010)

**gdp_10_thou** GDP per capita in 10K US$ (2002)

**gdp_cap2** GDP per capita (US$): 2 categories (2002)

**gdp_cap3** GDP per capita (US$): 3 categories (2002)

**gdp08** GDP in billions in 2008 (World Bank)

**gdpcap08_2** GDP per capita (US$) in 2008, 2 categories

**gdpcap2_08** GDP per capita (US$) in 2008, 2 categories (may be redundant)

**gdpcap3_08** GDP per capita (US$) in 2008 (Binned)

**gdppcap08** GDP per capita in 2008 (World Bank)

**gdppcap08_3** 3 quantiles of gdppcap08 (as numeric)

**gender_equal3** Gender empowerment measure, 3 categories (World Values Survey)

**gender_unequal** Gender Inequality Index value, 2008 (UN)

**gender_unequal_rank** Gender Inequality Index rank, 2008 (UN)

**gini04** Gini coefficient (UN 2004)

**gini08** Gini coeff (UN 2008)

**gini10** Income Gini coefficient, 2000-2010 (UN)

**govregrel** Government regulation of religion index, 2008 (CIA)

**hdi** Human development index (HDI) value, 2010 (UN)

**hi_gdp**  High GDP dummy

**indy**  Year of independence (CIA)

**ipu_wom13_all**  Percent Women in lower house of legislature, all countries, 2013 (Inter-Parliamentary Union)

**lifeex_f**  Life expectancy at birth among females (CIA)

**lifeex_m**  Life expectancy at birth among males (CIA)

**lifeex_total**  Life expectancy at birth, total population (CIA)

**literacy**  Literacy rate (CIA)

**muslim**  Is Muslim predominate religious group?

**natcode**  Name of country (lower case)

**oecd**  OECD member state (yes/no)

**oil**  Oil production, in barrels per day (CIA)

**pmat12_3**  Post-materialism, 3 categories (World Values Survey)

**polity**  Higher scores more democratic (Polity)

**pop_0_14**  Percentage of population age 0-14 (CIA)

**pop_15_64**  Percentage of population age 15-64 (CIA)

**pop_65_older**  Percent of population age 65 and older (CIA)

**pop_age**  Median age in years, 2010

**pop_total**  Total population in millions, 2010 (UN)

**pop_urban**  Percentage of the total population living in urban areas, 2010 (UN)

**pr_sys**  Proportional representation system? (Institute for Democracy and Electoral Assistance)

**protact3**  Protest activity (World Values Survey)

**regime_type3**  Regime type (Cheibub's Democracy Dictatorship dataset)

**regionun**  United Nations region

**religoin**  Largest religion by proportion (UN)

**rich_democ**  Rich democracy, interaction of Hi_gdp*democ_regime

**sexratio**  Sex ratio at birth (male births per 100 female births), 2010

**spendeduc**  Public expenditure on education as a percentage of GDP (UN)

**spendhealth**  Public expenditure on health as a percentage of GDP (UN)

**spendmil**  Public expenditure on the military as a percentage of GDP, 2008 (UN)

**unions**  Union density (www.ilo.org)

**unnetgro**  Percent growth in the number of Internet users, population based, 2000-2008 (UN)

**unnetuse**  Internet users per 100 people, 2008 (UN)

**unpovnpl**  Percentage of population below national poverty line, 2000-2008 (UN)

**unremitp**  Per capita remittance inflows in US dollars, 2008

**unremitt**  Remittance inflows as a percentage of GDP, 2008

**vi_rel3**  Percent saying religion very important, 3 categories

**votevap00s** Turnout: most recent election in 2000s (Institute for Democracy and Electoral Assistance)

**votevap90s** Turnout: elections in 1990s (Institute for Democracy and Electoral Assistance)

**women05** Percent women in lower house of legislature, democracies only, 2005 (Inter-Parliamentary Union)

**women09** Percent women in lower house of legislature, democracies only, 2009 (Inter-Parliamentary Union)

**women13** Percent Women in lower house of legislature, democracies only, 2013 (Inter-Parliamentary Union)

**womyear** Year women first enfranchised (Inter-Parliamentary Union)

**womyear2** Women's suffrage (Inter-Parliamentary Union)

### Source

Sources vary. See Appendix Table A.4 of printed textbook for further information.

---

| worldD | *World design dataset for R Companion to Essentials of Political Analysis, Second Edition* |

---

### Description

This is a design dataset with variables about countries in the world. This dataset is used to demonstrate application of R to political analysis. See [world](world) dataset documentation for variable names and descriptions.

### Usage

```
worldD
```

### Format

A design dataset version of the world dataset used for certain weighted analyses. The variables element has 167 observations of 103 variables.

### Source

Sources vary. See Appendix Table A.4 of printed textbook for further information

---

wtd.boxplot                     *Weighted Box Plot*

---

#### Description

The wtd.boxplot function is no longer being used by the poliscidata package. Please use the svyboxplot function instead. See svyhist documentation for details; also see pp. 67-69 of The R Companion to Political Analysis, 2nd Edition.

#### Usage

```
wtd.boxplot(...)
```

#### Arguments

...            Any arguments used will yield same warning message.

#### Value

Warning message only.

---

wtd.median                      *Find Median of Variable*

---

#### Description

Takes in variable and finds median, works with sampling weights

#### Usage

```
wtd.median(x, weights = NULL)
```

#### Arguments

x            A variable

weights        Sampling weights of variable (optional)

#### Details

Makes use of the wtd.quantile function, part of the Hmisc package

#### Value

Returns the median value of the variable

## Examples

```
library(poliscidata)

wtd.median(nes$budget_deficit_x, nes$wt)
```

---

wtd.mode *Find Mode of Variable*

---

## Description

Takes in variable and finds mode, works with sampling weights

## Usage

```
wtd.mode(x, weights = NULL)
```

## Arguments

| | |
|---|---|
| x | A variable |
| weights | Sampling weights of variable (optional) |

## Details

Makes use of the freq function, part of the descr package

## Value

Returns the modal value of the variable

## Examples

```
library(poliscidata)

wtd.mode(gss$zodiac, gss$wtss)
```

---

wtd.sd                          *Find Standard Deviation of Variable*

---

### Description

Takes in variable and calculates standard deviation, works with sampling weights.

### Usage

```
wtd.sd(x, weights = NULL)
```

### Arguments

| | |
|---|---|
| x | A variable (must be numeric), should be in dataset$var form. |
| weights | Sampling weights of variable (optional), should be in dataset$weightvar form. |

### Details

Makes use of the freq function, part of the descr package.

### Value

Returns the standard deviation of the variable, a numeric value.

### Examples

```
library(poliscidata)

wtd.sd(nes$polknow_combined, nes$wt)
```

---

wtd.ttestC                      *Weighted T-Test*

---

### Description

This function conducts a weighted t-test

### Usage

```
wtd.ttestC(f1, f2, data, digits = 3)
```

### Arguments

| | |
|---|---|
| f1 | Function identifying interval-level dependent variable in the form ~ depvar |
| f2 | A function that defines groups to be compared in the form ~ indepvar |
| data | A design dataset such as gssD, nesD, statesD, or worldD |
| digits | Number of digits to report after decimal place, optional (default = 3). |

## Value

No return

## Examples

```
library(poliscidata)

wtd.ttestC(f1 = ~ ftgr_gay, f2 = ~ gender, data = nesD)

wtd.ttestC(~ ft_rep, ~ gender, nesD)
```

---

xtabC                              *Controlled cross tabulation analysis with optional weights*

---

## Description

Controlled cross tabulation analysis with optional weights

## Usage

```
xtabC(function1, data, digits = 2)
```

## Arguments

| | |
|---|---|
| function1 | A function of the relationship to be analyzed expressed in the form ~ depvar + indepvar + controlvar |
| data | A design dataset (e.g. gssD, nesD, statesD, worldD) |
| digits | Number of digits to report after decimal place, optional (default = 2). |

## Value

A controlled cross tabulation as a multi-dimensional array.

## Examples

```
library(poliscidata)

xtabC(~ divlaw2 + attend3 + kids, gssD)
```

---

xtp                               *Cross tabulation Analysis*

---

**Description**

Generates cross-tabulation of dependent and indendent variables, also creates a mosiac plot. Makes use of the crosstab function in the descr package.

**Usage**

```
xtp(
  data,
  y,
  x,
  w = NULL,
  ylab = NULL,
  xlab = NULL,
  main = NULL,
  digits = 2,
  chisq = FALSE
)
```

**Arguments**

| | |
|---|---|
| data | Dataset (like gss, nes, states, or world) |
| y | Dependent variable |
| x | Independent variable |
| w | Weights (optional) |
| ylab | Y-axis label (optional) |
| xlab | X-axis label (optional) |
| main | Main label for plot (optional) |
| digits | Number of digits to report after decimal place, optional (default = 2) |
| chisq | Do you want Chi-Squared test reported? (default is FALSE) |

**Value**

A data frame of the cross tabulation results

**Examples**

```
library(poliscidata)

xtp(gss, grass, attend3, wtss)
```

---

xtp.chi2 *Cross tabulation Analysis with Chi-Squared Statistic*

---

### Description

This function makes use of the crosstab function from the descr package

### Usage

```
xtp.chi2(data, y, x, w = NULL, digits = 1, prop.c = FALSE)
```

### Arguments

| | |
|---|---|
| data | Dataset to be sorted |
| y | Dependent variable |
| x | Independent variable |
| w | Weights (optional) |
| digits | Number of digits to report after decimal place, optional (default = 1). |
| prop.c | Do you want column percentages reported in table? (default is FALSE) |

### Value

Returns a data frame of cross tabulation results

### Examples

```
library(poliscidata)

xtp.chi2(gss, pornlaw, attend3, wtss)
```

# Index