Package ‘poliscidata’

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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

\texttt{AdjR2(tdf, null.dev, resid.dev, k)}

Arguments

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

Value

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

Examples

\texttt{AdjR2(200, 1500, 1100, 5)}

\texttt{AdjR2(tdf=200, null.dev=1500, resid.dev=1100, k=5)}

---

Description

The \texttt{compmeans} function is imported from descr package. See \texttt{compmeans} documentation for details.

The \texttt{crosstab} function is imported from the descr package. See \texttt{crosstab} documentation for details.

The \texttt{csv.get} function is imported from the Hmisc package. See \texttt{csv.get} documentation for details.

The \texttt{cut2} function is imported from the Hmisc package. See \texttt{cut2} documentation for details.

The \texttt{ddply} function is imported from the plyr package. See \texttt{ddply} documentation for details.

The \texttt{describe} function is imported from the Hmisc package. See \texttt{describe} documentation for details.

The \texttt{freq} function is imported from the descr package. See \texttt{freq} documentation for details.

The \texttt{plotmeans} function is imported from the gplots package. See \texttt{plotmeans} documentation for details.

The \texttt{scatterplot} function is imported from the car package. See \texttt{scatterplot} documentation for details.

The \texttt{spss.get} function is imported from the Hmisc package. See \texttt{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**

```r
compmeans(...) crosstab(...) csv.get(...) cut2(...) ddply(...) describe(...)```
CI95

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
\[
\text{CI95}(10, 1) \\
\text{CI95}(m=8, se=2)
\]

---

CI99  \textit{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
Colors

Examples

CI99(10, 1)
CI99(m=8, se=2)

<table>
<thead>
<tr>
<th>Colors</th>
<th>Displays R Colors</th>
</tr>
</thead>
</table>

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 function.

Usage

colPercents(tab, digits = 2)

Arguments

<table>
<thead>
<tr>
<th>arg</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>tab</td>
<td>A table of values</td>
</tr>
<tr>
<td>digits</td>
<td>Number of decimal places to display, default is 2.</td>
</tr>
</tbody>
</table>

Value

Table of column-percentaged values
CramersV

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

**Description**
This function is called by `tablesomersDC` function.

**Usage**
```r
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**
```r
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**
```r
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 function.
- `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**
```r
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 "fretable" 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
congovt  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

eqwth  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)

feused  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?
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>hhtype1</td>
<td>Household Type (Condensed)</td>
</tr>
<tr>
<td>hispanic</td>
<td>Hispanic Specified</td>
</tr>
<tr>
<td>hispanic_2</td>
<td>Is Respondent Hispanic?</td>
</tr>
<tr>
<td>homosex</td>
<td>Homosexual Sex Relations</td>
</tr>
<tr>
<td>homosex2</td>
<td>Homosexuality Always Wrong?</td>
</tr>
<tr>
<td>id</td>
<td>Respondent Id Number</td>
</tr>
<tr>
<td>income06</td>
<td>Total Family Income</td>
</tr>
<tr>
<td>int_info_scale</td>
<td>Interest in Current Issues? (Additive index)</td>
</tr>
<tr>
<td>intage</td>
<td>Interviewer: Age of Interviewer</td>
</tr>
<tr>
<td>intecon</td>
<td>Interested in Economic Issues?</td>
</tr>
<tr>
<td>inteduc</td>
<td>Interested in Local School Issues?</td>
</tr>
<tr>
<td>intenvir</td>
<td>Interested in Environmental Issues?</td>
</tr>
<tr>
<td>intethn</td>
<td>Interviewer: Race of Interviewer</td>
</tr>
<tr>
<td>intethn_2</td>
<td>Interviewer: Interviewer’s Race</td>
</tr>
<tr>
<td>intfarm</td>
<td>Interested in Farm Issues?</td>
</tr>
<tr>
<td>inthisp</td>
<td>Interviewer: Is Interviewer Spanish, Hispanic or Latino</td>
</tr>
<tr>
<td>intintl</td>
<td>Interested in International Issues?</td>
</tr>
<tr>
<td>intmed</td>
<td>Interested in Medical Discoveries?</td>
</tr>
<tr>
<td>intmil</td>
<td>Interested in Military Policy?</td>
</tr>
<tr>
<td>intrace1</td>
<td>Interviewer: Interviewer’s Race1</td>
</tr>
<tr>
<td>intrace2</td>
<td>Interviewer: Interviewer’s Race2</td>
</tr>
<tr>
<td>intrace3</td>
<td>Interviewer: Interviewer’s Race3</td>
</tr>
<tr>
<td>intsci</td>
<td>Interested in New Scientific Discoveries?</td>
</tr>
<tr>
<td>intsex</td>
<td>Interviewer: Sex of Interviewer</td>
</tr>
<tr>
<td>intspace</td>
<td>Interested in Space Exploration?</td>
</tr>
<tr>
<td>inttech</td>
<td>Interested in Technologies?</td>
</tr>
<tr>
<td>intyrs</td>
<td>Interviewer: Years of Service as an Interviewer at NORC</td>
</tr>
<tr>
<td>kids</td>
<td>Does Respondent Have Kids?</td>
</tr>
<tr>
<td>libath</td>
<td>Allow Anti-Religious Book in Library?</td>
</tr>
<tr>
<td>libcom</td>
<td>Allow Communists Book in Library?</td>
</tr>
<tr>
<td>libhomo</td>
<td>Allow Homosexuals Book in Library?</td>
</tr>
<tr>
<td>libmil</td>
<td>Allow Militarists Book in Library?</td>
</tr>
<tr>
<td>libmslm</td>
<td>Allow Anti-American Muslim Clergymen’s Books in Library?</td>
</tr>
<tr>
<td>librac</td>
<td>Allow Racists Book in Library?</td>
</tr>
<tr>
<td>lngthinv</td>
<td>How Long Was Interview</td>
</tr>
<tr>
<td>marital</td>
<td>Marital Status</td>
</tr>
<tr>
<td>militarist_tol</td>
<td>Tolerance Toward Militarists</td>
</tr>
</tbody>
</table>
**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
**nacity** 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
**natenergy** 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
**natsoe** 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
pemarsx  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?
sience_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
Important for Child: To Think For One’s Self
Tolerance Scale
Tolerance Scale (Binned)
Hours Per Day Watching TV
Hours per day
Does Respondent or Spouse Belong to Union
Is Respondent US Citizen
Years in Armed Forces
Did Respondent Vote in 2008 Election
Did Respondent Vote in 2008?
White Stereotypes
Number Words Correct in Vocabulary Test
To Work Hard
Respondent Work for Government or Private Employee
Respondent Self-Emp or Works For Somebody
Labor Force Status
Irish, Italian, Jewish and other Should Overcome Prejudice Without Favors
Weight Variable
Weight Variable (same as wtss)
Sex With Person Other Than Spouse
GSS Year For This Respondent
Respondent’s Astrological Sign

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

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
imeansC

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  \hspace{1cm} \textit{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  \hspace{1cm} 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  \hspace{1cm} \textit{Interaction plot}

**Description**

Interaction plot uses \texttt{brkdn.plot} in plotrix package and \texttt{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  \hspace{1cm} A function in the form \texttt{~depvar}
function2  \hspace{1cm} A function. Here \texttt{indepvar} is typed before \texttt{controlvar}: \texttt{~indepvar + controlvar}
data  \hspace{1cm} Design dataset (e.g. \texttt{nesD}, \texttt{gssD}, \texttt{statesD}, or \texttt{worldD})
function3  \hspace{1cm} A function. Here \texttt{indepvar} is typed after \texttt{controlvar}: \texttt{~controlvar + indepvar}
...  \hspace{1cm} Further arguments to be passed to \texttt{brkdn.plot} function (plotrix package)
lineType

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")

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

nen

Format

A data frame with 5916 rows and 399 variables.

abort_scale  Anti-abortion Scale
abort4       Abortion Opinion: Self-Placement, 4 Categories
abort4point  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_iwrsset4**  Does Respondent have a dog (Interview set-up test)

**casistartipo_iwrsset4**  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_closepy**  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_poliinftwo**  Political information - party 2nd in House seats won

**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_edu3  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
nes

**dhsinvolve_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?

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

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

**ecenow** Economy: Currently good or bad

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

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

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

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

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

**ecnunpast_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_envior** 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)
ues

**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_dpcesp  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_rpcs  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)
guarp_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
hseince_approval  Congress: Approve or disapprove of House incumbent
hseince_approval_x  Congress: House incumbent approval
hseince_appstr  Congress: How much approve House incumbent
hseince_disstr  Congress: How much disapprove House incumbent
hseince_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_incgrowth_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
ineqine_ineqgb  Is increased income inequality in U.S. good?
ineqine_ineqred  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_favpen  Respondent favor/oppose death penalty
penalty_favopp_x  Favor death penalty?
pid_3  Party Identification, 3 categories
pid_x  Party Identification, 7 categories
poknow_combined  Political knowledge: Number political facts correct
poknow3  Political knowledge, 3 categories
postvote_presvt  Did Respondent vote for President
postvote_presvwho  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?
poknow_leastsp  Political knowledge: Program that federal govt’ spends the least on
poknow_medicare  Political knowledge: What is Medicare
poknow_prestimes  Political knowledge: Number of times president can be elected
poknow_senterm  Political knowledge: Years Senator Elected
poknow_sizedef  Political knowledge: Size of federal deficit
poknow3  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_sssel  Support for government services/spending (7 point scale)
strata_fif  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_bigintrust**  Trust: Is government run by a few big interests or for benefit of all?

**trustgov_corrupt**  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?

**trustgypo_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 ratios and confidence intervals in columns (a matrix class object)
Examples

```r
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**

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

**Arguments**

- `reduced`: The reduced logistic regression model as an object. This is model with fewer independent variables.
- `full`: The full logistic 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**

```r
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)
- ...: Additional arguments passed to gplots package’s plotmeans function

Value
No return
**Examples**

```r
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**

```r
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**

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

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  \textit{Prints string to console quickly}

Description

Prints string to console quickly, but still scrolls 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**

```r
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 identifies 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.
states

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)
demspct_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)
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_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
precapine  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)
statesD

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 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)

svychisq(~ 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 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.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>arda</td>
<td>Country numerical code</td>
</tr>
<tr>
<td>colony</td>
<td>Colony of what country? (CIA)</td>
</tr>
<tr>
<td>confidence</td>
<td>Confidence in institutions scale (World Values Survey)</td>
</tr>
<tr>
<td>country</td>
<td>Country/territory name (title case)</td>
</tr>
<tr>
<td>country1</td>
<td>Country/territory name (title case), may be same as country</td>
</tr>
<tr>
<td>debt</td>
<td>Public debt as a percentage of GDP (CIA)</td>
</tr>
<tr>
<td>decent08</td>
<td>Democratic decentralization, 2008 (UN)</td>
</tr>
<tr>
<td>dem_economist</td>
<td>Full or Part Democracy (Economist, 2014)</td>
</tr>
<tr>
<td>dem_level4</td>
<td>Regime type (Economist 2014)</td>
</tr>
<tr>
<td>dem_other</td>
<td>Percentage of other democracies in region</td>
</tr>
<tr>
<td>dem_other5</td>
<td>Percentage of other democracies in region: 5 categories</td>
</tr>
<tr>
<td>dem_rank14</td>
<td>Democracy rank, lower scores more democratic (Economist 2014)</td>
</tr>
<tr>
<td>dem_score14</td>
<td>Democracy score, higher scores more democratic (Economist 2014)</td>
</tr>
<tr>
<td>democ</td>
<td>Is government a democracy? (Based on regime_type3)</td>
</tr>
<tr>
<td>democ.yes</td>
<td>Is government a democracy? Coded 0/100 (Based on regime_type3)</td>
</tr>
<tr>
<td>democ_regime</td>
<td>Is regime a democracy? (1990)</td>
</tr>
<tr>
<td>democ_regime08</td>
<td>Is government a democracy? (may be redundant)</td>
</tr>
<tr>
<td>democ11</td>
<td>Democracy score, 2011 (UN)</td>
</tr>
<tr>
<td>district_size3</td>
<td>Average # of members per district (World Values Survey)</td>
</tr>
<tr>
<td>dnpp_3</td>
<td>Effective number of parliamentary parties</td>
</tr>
<tr>
<td>durable</td>
<td>Number of years since the last regime transition (Polity)</td>
</tr>
<tr>
<td>effectiveness</td>
<td>Government effectiveness scale (Kaufmann 2002)</td>
</tr>
<tr>
<td>enpp3_democ</td>
<td>Effective number of parliamentary parties: 3 categories</td>
</tr>
</tbody>
</table>
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)


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 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
**wtd.mode**

**Examples**

```r
library(poliscidata)

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

---

Find Mode of Variable

**Description**

Takes in variable and finds mode, works with sampling weights.

**Usage**

```r
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**

```r
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**

```r
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**

```r
library(poliscidata)

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

---

wtd.ttestC  
*Weighted T-Test*

**Description**

This function conducts a weighted t-test.

**Usage**

```r
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).
xtabC

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)
Cross tabulation Analysis

Description

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

Usage

```r
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

```r
library(poliscidata)

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

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

Usage

```r
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

```r
library(poliscidata)

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