Package 'poliscidata'

July 6, 2020

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.

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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

Repository CRAN

Date/Publication 2020-07-06 09:30:03 UTC

R topics documented:

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 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 Analy-*
sis, 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 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 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` 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 svy-boxplot 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)
```

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