

Title

bradmean — Computes multiple independent means in a single table

Syntax

bradmean [*varlist*] [*if*] [*in*] [, *options*]

<i>options</i>	Description
<hr/>	
Weight	
svy	statistics will be survey weighted
subpop (<i>varname</i>)	subpopulation estimation by <i>varname</i> ; <i>varname</i> must be 0/1
Over	
over (<i>varlist</i>)	estimation over groups defined by <i>varlist</i>
overopt (<i>string</i>)	options for over variables
test (<i>string</i>)	options for significance testing
Output	
display (<i>string</i>)	general display options
title (<i>string</i>)	optional custom title or "none" to display no title
sort (<i>string</i>)	sorting results within a series
stats (<i>string</i>)	select which statistics to be displayed
format (<i>string</i>)	formatting options for displayed statistics
excel (<i>string</i>)	Excel output options

weights are allowed; see [svyset](#).

Description

bradmean computes multiple independent means of *varlist*. Estimations can be run by groups and can include significance testing.

Options

Weight

svy specifies that statistics will be survey weighted.

subpop(*varname*) specifies that estimates be computed using subpopulation *varname*. *varname* must be 0/1.

Over

over(*varlist*) specifies that estimates be computed for multiple groups, which are identified by the different values of the variable(s) *varlist*.

overopt(*string*) has the following options:

nolabels	do not display over labels
nolegend	do not display legend for over groups
nomiss	do not display groups with no non-missing values
total	display overall statistics
group	display each group size below name (wide only)

test(*string*) has the following options:

<u>chi2</u>	display Chi2 p-values for categorical variables. When data is <u>svyset</u> , Chi2 is corrected to a Pearson F test
<u>ttest</u> (<u>string</u>)	display t-test p-values for overall comparisons (only applies when there are 2 groups), individual comparisons, or all for both overall and individual
<u>ftest</u> (<u>string</u>)	display adjusted Wald F-test p-values for overall comparisons, individual comparisons, or all for both overall and individual.
<u>mtest</u> (<u>string</u>)	allows adjustments for multiple comparisons using bonferroni , holm , or sidak
<u>stars</u> (<u>numlist</u>)	creates up to 3 significance stars for overall p-values less than <u>numlist</u> containing 0-3 values. Leaving <u>numlist</u> empty defaults to $p < 0.05$ and $p < 0.01$
<u>scripts</u> (<u>numlist</u>)	creates up to 18 significance scripts for individual p-values less than <u>numlist</u> containing 0-1 values. Leaving <u>numlist</u> empty defaults to $p < 0.05$
<u>stat</u>	display test statistics with p-values
<u>force</u>	display p-values even with stars or scripts enabled
<u>nofooter</u>	do not display footer explaining significance stars and scripts

Output

display(string) has the following options:

<u>xi</u>	enable both xi value and xi variable labels
<u>xivals</u>	enable xi value labels (default is ON)
<u>xivars</u>	enable xi variable labels (default is OFF)
<u>series</u>	enable both series value and series variable labels
<u>seriesvals</u>	enable series value labels (default is OFF)
<u>seriesvars</u>	enable series variable labels (default is OFF)
<u>wide</u>	print table in a wide format
<u>align</u> (<u>string</u>)	choose left , center , or right alignment of statistics
<u>nostat</u>	do not display statistic names (wide only & single statistic only)
<u>noprint</u>	do not display table (can be used with Excel output)

title(string) specifies an optional custom title or **"none"** to display no title.

sort(string) allows sorting within series by choosing direction (+ for ascending, - for descending) and statistic (obs nyes mean se sd var min max).

stats(string) allows users to choose from the following statistics:

<u>obs</u>	observations
<u>nyes</u>	number of "yes" answers (only for binary variables)
<u>mean</u>	mean
<u>se</u>	standard error
<u>sd</u>	standard deviation
<u>var</u>	variance
<u>ci</u>	confidence interval
<u>min</u>	minimum
<u>max</u>	maximum
<u>all</u>	all of the above

format(string) sets the formatting for statistics. Individual statistics can be formatted using **stat**(string) where **stat** can be obs, nyes, mean, se, sd, var, ci, min, max, count (obs/nyes), error (se/sd/var), or minmax (min/max). The following options are allowed:

<code>round(#)</code>	round for both binary and continuous variables. Default is 7
<code>roundi(#)</code>	round for binary variables. Default is 7
<code>roundc(#)</code>	round for continuous variables. Default is 7
<code>pct</code>	format binary variables as a percentage
<code>percent</code>	format binary variables as a percentage
<code>nosymbol</code>	do not display % after percentage
<code>notation(string)</code>	choose to surround statistic with parentheses or brackets
<code>stars</code>	display significance stars on this statistic. Default is mean
<code>scripts</code>	display significance scripts on this statistic. Default is ci
<code>lvl(#)</code>	(ci only) choose level for confidence interval
<code>level(#)</code>	(ci only) choose level for confidence interval
<code>proportion</code>	(ci only) logit transform the confidence interval (similar to proportion)
<code>combined</code>	(ci only) put lower CI and upper CI in 1 column
<code>separator(string)</code>	(ci only) use "-" or "," to separate a combined CI
<code>nocomma</code>	(count only) do not display thousands separators

`excel(string)` has the following options:

<code>file(string)</code>	location of output file. Default is a file named bradmean_output.xlsx in the current working directory
<code>sheet(string)</code>	name of sheet to be used. Default is the first file in the sheet or Sheet1 in a new workbook
<code>replace</code>	replace the workbook
<code>sheetreplace</code>	replace the sheet
<code>modify</code>	append table to the end of the sheet
<code>font(string)</code>	choose the font face from Arial , Calibri , Garamond , Helvetica , TNR (Times New Roman), or Verdana . Default is Calibri
<code>size(#)</code>	choose the font size between 9 and 12. Default is 11
<code>color(string)</code>	choose the color styles from bradmean , monochrome , rti , material_red , material_purple , material_indigo , material_blue , material_green , and material_orange