

Title

bradmean — Computes multiple independent means in a single table

Syntax

bradmean [*varList*] [*if*] [*in*] [*weight*] [, *options*]

<i>options</i>	Description
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Weight

svy	statistics will be survey weighted
subpop (<i>varname</i>)	subpopulation estimation by <i>varname</i> ; <i>varname</i> must be 0/1

SE/Cluster

vce (<i>vcetype</i>)	<i>vcetype</i> may be analytic , cluster <i>clustvar</i> , bootstrap , or jackknife
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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

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

vce() and weights are not allowed with the **svy** option.

fweights, aweights, iweights, and pweights are allowed; see [weight](#).

Description

bradmean computes multiple independent means of [varList](#). Estimations can be run by groups and can include significant

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.

SE/Cluster

vce(*vcetype*) specifies the type of standard error reported, which includes types that are derived from asymptotic theory (**analytic**), that allow for intragroup correlation (**cluster** *clustvar*), and that use bootstrap or jackknife methods (**bootstrap**, **jackknife**); see [\[R\] vce option](#).

vce(**analytic**), the default, uses the analytically derived variance estimator associated with the sample mean.

Over

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

overopt(*string*) has the following options:

<u>no</u>labels	do not display over labels
<u>no</u>legend	do not display legend for over groups
<u>no</u>miss	do not display groups with no non-missing values
row	calculate row percentages for binary variables
<u>total</u>	display overall statistics
group	display each group size below name (wide only)

test(string) has the following options:

<u>chi</u>2	display Chi2 p-values for categorical and binary variables. When data is <u>svyset</u> , a default-comparison Pearson F-test is used instead
ttest(<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
ftest(<u>string</u>)	display adjusted Wald F-test p-values for overall comparisons, individual comparisons, or all overall and individual. mtest(<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 0-18 values. Leaving <u>numList</u> empty defaults to $p < 0.05$
stat	display test statistics with p-values
force	display p-values even with stars or scripts enabled
<u>no</u>footer	do not display footer explaining significance stars and scripts

Output

display(string) has the following options:

xi	enable both xi value and xi variable labels
<u>x</u>ivals	enable xi value labels (default is ON)
<u>x</u>ivars	enable xi variable labels (default is ON)
series	enable both series value and series variable labels
<u>series</u>vals	enable series value labels (default is OFF)
<u>series</u>vars	enable series variable labels (default is OFF)
wide	print table in a wide format
<u>align</u>(<u>string</u>)	choose left , center , or right alignment of statistics
nostat	do not display statistic names (wide only & single statistic only)
<u>no</u>print	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 (count, sd, var, min, max).

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

obs	observations
n yes	number of "yes" answers (only for binary variables)
mean	mean
se	standard error
sd	standard deviation
var	variance
ci	confidence interval
min	minimum
max	maximum
p25	25th percentile (unweighted)
p50	50th percentile (unweighted)
p75	75th percentile (unweighted)
all	all of the above

format(string) sets the formatting for statistics. Individual statistics can be formatted using **stat(string)** where **stat** is nyes, mean, se, sd, var, ci, min, max, p25, p50, p75, 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 <u>parentheses</u> or <u>brackets</u>
<code>stars</code>	display significance stars on this statistic. Default is <code>mean</code>
<code>scripts</code>	display significance scripts on this statistic. Default is <code>ci</code>
<code>lvl(#)</code>	(<code>ci</code> only) choose level for confidence interval
<code>level(#)</code>	(<code>ci</code> only) choose level for confidence interval
<code>proportion</code>	(<code>ci</code> only) logit transform the confidence interval (similar to <u>proportion</u>)
<code>combined</code>	(<code>ci</code> only) put lower CI and upper CI in 1 column
<code>separator(string)</code>	(<code>ci</code> only) use "-" or "," to separate a combined CI
<code>nocomma</code>	(<code>count</code> 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 <code>bradmean_output.xlsx</code> in the current working dir
<code>sheet(string)</code>	name of sheet to be used. Default is the first file in the sheet or <code>Sheet1</code> 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 <code>Arial</code> , <code>Calibri</code> , <code>Garamond</code> , <code>Helvetica</code> , <code>TNR</code> (Times New Roman), or <code>Verdana</code> is <code>Calibri</code>
<code>size(#)</code>	choose the font size between 9 and 12. Default is 11
<code>color(string)</code>	choose the color styles from <code>bradmean</code> , <code>monochrome</code> , <code>rti</code> , <code>material_red</code> , <code>material_purple</code> , <code>material_</code> <code>material_blue</code> , <code>material_green</code> , and <code>material_orange</code>