Title

bradmean — Computes multiple independent means in a single table

Syntax

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

options	Description
Weight	
svy	statistics will be survey weighted
subpop(*varname***)**	subpopulation estimation by *varname*; *varname* must be 0/1
SE/Cluster	
vce(*vcetype***)**	*vcetype* may be **analytic**, **cluster** *clustvar*, **bootstrap**, or **jackknife**
Over	
over(*varlist***)**	estimation over groups defined by *varlist*
overopt(*string***)**	options for over variables
test(*string***)**	options for significance testing
Output	
display(*string***)**	general display options
title(*string***)**	optional custom title or "**none**" to display no title
sort(*string***)**	sorting results within a series
stats(*string***)**	select which statistics to be displayed
format(*string***)**	formatting options for displayed statistics
excel(*string***)**	Excel output options
collect(*string***)**	Excel collect options

svy weights are allowed; see svyset.
vce() and weights are not allowed with the **svy** option.
fweights, **aweight**s, **iweight**s, and **pweight**s are allowed; see weight.

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.

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 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
row	calculate row percentages for binary variables
total	display overall statistics
group	display each group size below name (wide only)

test(*string***)** has the following options:

chi2	display Chi2 p-values for categorical and binary variables. When data is svyset, a default-corrected Pearson F-test is used instead
ttest(*string***)**	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(*string***)**	display adjusted Wald F-test p-values for **overall** comparisons, **individual** comparisons, or **all** for both overall and individual. **mtest(***string***)** allows adjustments for multiple comparisons using **bonferroni**, **holm**, or **sidak**
stars(*numlist***)**	creates up to 3 significance stars for overall p-values less than *numlist* containing 0-3 values. Leaving *numlist* empty defaults to p < 0.05 and p < 0.01
scripts(*numlist***)**	creates up to 18 significance scripts for individual p-values less than *numlist* containing 0-1 values. Leaving *numlist* empty defaults to p < 0.05
stat	display test statistics with p-values
force	display p-values even with stars or scripts enabled
nofooter	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
xivals	enable xi value labels (default is **ON**)
xivars	enable xi variable labels (default is **ON**)
series	enable both series value and series variable labels
seriesvals	enable series value labels (default is **OFF**)
seriesvars	enable series variable labels (default is **OFF**)
wide	print table in a wide format
align(*string***)**	choose **left**, **center**, or **right** alignment of statistics
nostat	do not display statistic names (wide only & single statistic only)
noprint	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:

obs	observations
nyes	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** can be obs, 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:

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

excel(*string***)** sets the options for outputting tables to Excel. If you see an error about "invalid formats", this is due to an Excel-level issue on the number of cell styles. Using the replace option or deleting the workbook before re-running should fix it in most circumstances. The following options are available:

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

collect(*string***)** has the following options:

save	saves the current Excel output options to be executed later
export	exports all currently saved Excel outputs. Once export is used, all previously saved Excel output options will be cleared. Note that export will always use the first Excel file specified in your currently saved Excel output options. For instance, if you save to **file1.xlsx** then **file2.xlsx**, export will save to **file1.xlsx** only.