Title stata.com

table — Table of frequencies, summaries, and command results

Description Quick start Menu Syntax

Options Remarks and examples Stored results Methods and formulas

Also see

# **Description**

table is a flexible command for creating tables of many types—tabulations, tables of summary statistics, tables of regression results, and more. table can calculate summary statistics to display in the table. table can also include results from other Stata commands.

### **Quick start**

```
Two-way tabulation of a1 and a2
```

```
table a1 a2
```

Table of means for v1 and v2 across the levels of a1

```
table a1, statistic(mean v1 v2)
```

Two-way table with a1 defining rows and a2 defining columns, with frequencies and pairwise correlation coefficients between v3 and v4 computed for every cell

```
table a1 a2, command(pwcorr v3 v4)
```

Table of regression coefficients with means of the covariates; rows correspond to covariates and columns correspond to the statistics

```
table (colname) (statcmd result),
  command(regress y x1 x2)
  statistic(mean x1 x2)
```

Same as above, and include standard deviations for the covariates

```
table (colname) (statcmd result),
  command(regress y x1 x2)
  statistic(mean x1 x2)
  statistic(sd x1 x2)
```

### Menu

Statistics > Summaries, tables, and tests > Tables of frequencies, summaries, and command results

## **Syntax**

```
Basic syntax for a one-way table
```

```
table rowvar
table () colvar
```

Basic syntax for a two-way table

table rowvar colvar

Basic syntax for an n-way table

```
table rowvars colvar
table rowvar (colvars)
table (rowvars) (colvars)
```

Basic syntax for multiple n-way tables

```
table (rowvars) (colvars) (tabvars)
```

Full syntax

```
 \begin{table}[t]{ll} table (rowspec) (colspec) [ (tabspec)] [if] [in] [weight] [, options] \\ \end{table}
```

*rowspec*, *colspec*, and *tabspec* may be empty or may include variable names or any of the following keywords:

keyword	Description
result	requested statistics
stars	stars denoting statistical significance
var	variables from statistic() option
across	index across() specifications
colname	column names for matrix statistics
rowname	row names for matrix statistics
coleq	column equation names for matrix statistics
roweq	row equation names for matrix statistics
command	index option command()
statcmd	<pre>index options statistic() and command()</pre>

options	Description
Main	
totals(totals)	report only the specified totals
nototals	suppress the marginal totals
Statistics	
<pre>statistic(statspec)</pre>	statistic to be reported; default is statistic(frequency) when no weights are specified and statistic(sumw) otherwise
Commands	
command(cmdspec)	collect results from the specified Stata command
Formats  nformat(%fmt [results][, basestyle])  sformat(sfmt [results])  cidelimiter(char)  cridelimiter(char)	specify numeric format specify string format use character as delimiter for confidence interval limits use character as delimiter for credible interval limits
Stars	
stars(starspec)	add stars to denote statistical significance
Options	
listwise	use listwise deletion to handle missing values
<u>miss</u> ing	treat numeric missing values like other values
showcounts	show sample size for all variables in statistic() option
<u>zero</u> counts	report 0 for empty cell counts
name(cname)	collect results into a collection named cname
append	append results to an existing collection
replace	replace results of an existing collection
label(filename)	specify the collection labels
$ exttt{style}( extit{filename} ig[ exttt{, override}ig])$	specify the collection style
markvar(newvar)	create <i>newvar</i> that identifies observations used in the tabulation
noisily	display output from each command

```
fweights, aweights, iweights, and pweights are allowed; see [U] 11.1.6 weight.
strL variables are not allowed; see [U] 12.4.8 strL.
markvar() and noisily do not appear in the dialog box.
```

# **Options**

Main

totals (totals) and nototals control which totals are to be displayed in the table. By default, all totals are reported.

totals (totals) specifies which margin totals to display in the reported table. totals can contain variables in rowspec, colspec, tabspec, and their interaction. Interactions can be specified by using the # operator.

nototals prevents table from displaying any totals.

Statistics

statistic(statspec) specifies the statistic to be displayed. Frequency statistics, summary statistics,
and ratio statistics are available by specifying statistic(freqstat), statistic(sumstat varlist),
and statistic(ratiostat [varlist] [, ratio\_options]), respectively.

statistic() may be repeated to request multiple statistics.

statistic (freqstat) specifies that frequencies be computed.

freqstat	Definition
frequency	frequency
sumw	sum of weights

statistic(sumstat varlist) specifies that summary statistic sumstat be computed for the variables in varlist.

sumstat	Definition
mean	mean
semean	standard error of the mean
sebinomial	standard error of the mean, binomial
sepoisson	standard error of the mean, Poisson
variance	variance
sd	standard deviation
skewness	skewness
kurtosis	kurtosis
CV	coefficient of variation
svycv	coefficient of variation (svy)
geomean	geometric mean
geosd	geometric standard deviation
count	number of nonmissing values
median	median
p#	#th percentile
q1	first quartile
q2	second quartile
q3	third quartile
iqr	interquartile range
min	minimum value
max	maximum value
range	range
runge	
first	first value
last	last value
firstnm	first nonmissing value
lastnm	last nonmissing value
total	total
rawtotal	unweighted total
fvfrequency	frequency of each factor-variable level
fvrawfrequency	unweighted frequency of each factor-variable level
fvproportion	proportion within each factor-variable level
fvrawproportion	unweighted proportion within each factor-variable level
fvpercent	percentage within each factor-variable level
fvrawpercent	unweighted percentage within each factor-variable level
	an weighted percentage within each factor-variable level

statistic(ratiostat [varlist] [, ratio\_options]) specifies that ratio statistic ratiostat be computed. If varlist is specified, ratios are computed based on the totals of the specified variables. If varlist is not specified, ratios are computed based on frequencies.

ratiostat	Definition
proportion	proportion
percent	percentage
rawproportion	proportion ignoring optionally specified weights
rawpercent	percentage ignoring optionally specified weights
ratio_options	Definition
across(cellspec)	percentages or proportions across levels of variables or interactions
total	compute overall percentages or proportions

*cellspec* may contain *rowvars*, *colvars*, *tabvars*, or an interaction between any of these variables. Interactions can be specified by using the # operator.

Commands

command(*cmdspec*) specifies the Stata commands from which to collect results. command() may be repeated to collect results from multiple commands.

```
cmdspec is [explist:] command [arguments] [, cmdoptions]
```

explist specifies which results to collect and report in the table. explist may include result identifiers and named expressions.

result identifiers are results stored in r() and e() by the command. For instance, result identifiers could be r(mean), r(C), or e(chi2). After estimation commands, result identifiers also include the following:

Identifier	Result
_r_b	coefficients or transformed coefficients reported by command
_r_se	standard errors of _r_b
_r_z	test statistics for _r_b
_r_z_abs	absolute value of _r_z
_r_p	p-values for _r_b
_r_lb	lower bounds of confidence intervals for _r_b
_r_ub	upper bounds of confidence intervals for _r_b
_r_ci	confidence intervals for _r_b
_r_crlb	lower bounds of credible intervals for _r_b
_r_crub	upper bounds of credible intervals for _r_b
_r_cri	credible intervals for _r_b
_r_df	degrees of freedom for _r_b

named expressions are specified as name = exp, where name may be any valid Stata name and exp is an expression, typically an expression that involves one or more result identifiers.
 An example of a named expression is sd = sqrt(r(variance)).

For r-class commands, the default is to include all numeric scalars posted to r() in the table results. For e-class commands, the default is to include  $_{r}$  in the table results.

command is any command that follows standard Stata syntax.

arguments may be anything so long as they do not include an if clause, in range, or weight specification.

Any if or in qualifier and weights should be specified directly with table, not within the command() option.

*cmdoptions* may be anything supported by *command*.

Formats

nformat(%fmt [results][, basestyle]) changes the numeric format, such as the number of decimal places, for specified results. If results are not specified, the numeric format is changed for all results.

results may be any statistic named in option statistic() (that is, any fregstat, sumstat, or ratiostat) or may be any name in the e() or r() results produced by commands specified in option command().

This option is repeatable, and when multiple formats apply to one result, the rightmost specification is applied.

This option does not affect the format of numeric layout variables (rowspec, colspec, and tabspec) or the format of factor variables specified in the statistic() option. The default format of these variables is taken from the dataset.

basestyle indicates that the format be applied to results that do not already have their own format instead of overriding the format for all results.

sformat (sfmt | results |) changes the string format for specified results. You can, for instance, add symbols or text to the values reported in the table by modifying the string format.

sfmt may contain a mix of text and \%s. Here \%s refers to the numeric value that is formatted as specified using nformat(). The text will be placed around the numeric values in your table as it is placed around \%s in this option. For instance, to place parentheses around the percent statistics, you can specify sformat("(%s)" percent).

results may be any statistic named in option statistic() (that is, any fregstat, sumstat, or ratiostat) or may be any name in the e() or r() results produced by commands specified in option command().

Two text characters must be specified using a special character sequence if you want them to be displayed in your table. To include \,, type \\. For instance, to place a percent sign following percent statistics, you can specify sformat("%s%%" percent).

This option is repeatable, and when multiple formats apply to one result, the rightmost specification is applied.

cidelimiter (char) changes the delimiter between confidence interval limits to char. The default is cidelimiter(" "), that is, two spaces.

cridelimiter (char) changes the delimiter between credible interval limits to char. The default is cridelimiter(" "), that is, two spaces.

Stars

stars(starspec) specifies that stars representing statistical significance be included in the table. starspec identifies the result whose values determine significance, which characters should represent each significance level, and where these characters should be displayed in the table. starspec is

```
starres [#1 "label1" [#2 "label2" [#3 "label3" [#4 "label4" [#5 "label5"]]]]]
[, attach(attachres) result dimension starsnoteopts]
```

starres is the name of the result whose values determine which characters, typically which number of stars, are to be displayed.

label1 specifies the characters to be displayed when starres < #1.

*label2* specifies the characters to be displayed when *starres* < #2.

label3 specifies the characters to be displayed when starres < #3.

label4 specifies the characters to be displayed when starres < #4.

*label5* specifies the characters to be displayed when *starres* < #5.

attach(attachres) specifies the name of the result to which the characters defined by label1, ..., label5 are to be attached. If attach() is not specified, a new result named stars is created and is automatically added to the table.

result and dimension control how collect stars adds items when labeling significant results. These options are mutually exclusive.

result specifies the default behavior, and this option is necessary only if the following dimension behavior is in effect and you want to change back to the result behavior.

dimension specifies that dimension stars be added to the collection. Items will be tagged with stars[value], and the labels will be tagged with stars[label]. Use this option for layouts where results are to be stacked within columns, and use new dimension stars in the column specification of the layout.

starsnoteopts control the display and composition of the stars note.

noshownote and shownote control whether to display the stars note.

increasing and decreasing control the order of p-values in the stars note.

pvname(string) specifies a name for the p-value in the stars note. The default is pvname(p).

delimiter(*string*) specifies the delimiter between labels in the stars note. The default is delimiter(",").

nformat(% fmt) specifies the numeric format for the cutoff values in the stars note. The default is nformat(%9.0g).

prefix(string) specifies the prefix for the stars note. The prefix is empty by default.

suffix(string) specifies the suffix for the stars note. The suffix is empty by default.

For example,  $stars(\_r_p 0.01 "***" 0.05 "**" 0.1 "*", attach(\_r_b))$  could be added to a table of regression results to specify that stars be defined based on the p-values in  $\_r_p$  and be attached to the reported coefficients ( $\_r_b$ ).

Options

listwise handles missing values through listwise deletion, meaning that the entire observation is omitted from the sample if any variable specified in a statistic() option is missing for that observation. By default, table will omit an observation only if all variables specified in all statistic() options are missing for that observation.

missing specifies that numeric missing values of any variables specified in *rowspec*, *colspec*, or *tabspec* be treated as valid categories. By default, observations with a numeric missing value in any of these variables are omitted.

This option does not apply to factor variables specified with statistics fvfrequency, fvrawfrequency, fyproportion, fyrawproportion, fypercent, or fyrawpercent.

- showcounts specifies that table report the sample size for each variable specified in option statistic().
- zerocounts specifies that table report a 0 in empty cells for results count, frequency, fvfrequency, and fvrawfrequency.
- name(cname) specifies that a collection named cname be associated with the collected statistics and results. The default is name (Table).
- append specifies that table append its collection information into the collection named in name().
- replace permits table to overwrite an existing collection. This option is implied for name (Table) when append is not specified.
- label(filename) specifies the filename containing the collection labels to use for your table. Labels in filename will be loaded for the table, and any labels not specified in filename will be taken from the labels defined in c(collect\_label). The default is to use only the collection labels set in c(collect\_label); see [TABLES] set collect\_label.
- style(filename | , override |) specifies the filename containing the collection styles to use for your table. The default collection styles will be discarded, and only the collection styles in *filename* will be applied.

If you prefer the default collection styles but also want to apply any styles in *filename*, specify override. If there are conflicts between the default collection styles and those in filename, the ones in filename will take precedence.

The default is to use only the collection styles set in c(table\_style); see [TABLES] set table\_style.

The following options are available with table but are not shown in the dialog box:

markvar (newvar) generates an indicator variable that identifies the observations used in the tabulation.

noisily specifies that output from the commands specified in command() options be displayed. By default, output from commands is suppressed.

# Remarks and examples

stata.com

Remarks are presented under the following headings:

Introduction Specifying the table layout Advanced table customization

#### Introduction

The table command can create many customized tables, ranging from simple one-way tabulations to multiple n-way tables with summary statistics and estimation results, table can compute and report frequencies, proportions, percentiles, and other summary statistics. It can also run other Stata commands and include their results in the table. This means you can combine the summary statistics computed by table with test statistics, correlations, regression coefficients, and other results collected from Stata commands. In addition to building tables with the desired statistics, you can customize them by formatting the values in the table and applying predefined styles and labels that affect how the row headers, column headers, and values are displayed in the table.

table can accommodate a variety of layouts. You can define the rows, columns, and even separate tables by levels of categorical variables, statistics, or Stata commands.

If your goal is simply to create a table of estimation results or descriptive statistics, you can use the etable and dtable commands, respectively. These commands allow you to create these tables and export them to a variety of file types in a single step. However, unlike table, these commands create tables with a predefined layout. Therefore, if you want control over the layout or you wish to include a combination of summary statistics, estimation results, and results from other Stata commands, you should use the table command.

In the following entries, we provide simplified syntax, examples, and discussion for specialized types of tables that can be created using table. If you are interested in creating one of these types of tables, we suggest reading the corresponding entry.

[R] table oneway	One-way tabulation
[R] table twoway	Two-way tabulation
[R] table multiway	Multiway tables
[R] table summary	Table of summary statistics

[R] table hypothesis tests
[R] table regression

Table of hypothesis tests
Table of regression results

All the concepts demonstrated in the entries above can be combined to create tables including combinations of tabulations, summary statistics, hypothesis tests, and regression results.

In this entry, we provide additional information on specifying the table layout and which portions of the layout table will automate for you. In addition, we provide resources for customizing the table and exporting the results to your preferred format.

## Specifying the table layout

A table's layout is determined by our row, column, and table dimension specifications. For example, we specify variable names to define the rows and place statistics in the columns, or vice versa. Because we can include so many different statistics, we can specify keywords that we use to identify the results we have collected from commands and the statistics that table has calculated.

The syntax for specifying the table layout is

table (
$$[rowspec]$$
) ( $[colspec]$ ) ( $[tabspec]$ )

We refer to *rowspec*, *colspec*, and *tabspec* collectively as the "layout". For some tables, keywords are required in the layout to uniquely identify the values that we want to include in our table. If you omit a necessary keyword from the layout, table will fill one in for you.

The rules determining whether a keyword is necessary to uniquely identify values in the table are as follows:

- 1. If more than one statistic is specified, then result is needed in the layout.
- If more than one variable is specified in option statistic() and option command() is not specified, then var is needed in the layout.
- If more than one across() specification is used for ratio statistics, then across is needed in the layout.
- 4. If option command() is specified, then colname is needed in the layout. If, in addition, more than one variable is specified in option statistic(), then colname is needed instead of var, which was required in 2.

- 5. If multiple command() options are specified and option statistic() is not specified, then command is needed in the layout.
- 6. If both options command() and statistic() are specified, then statemd is needed in the layout.

If we do not directly specify a necessary keyword in one of rowspec, colspec, or tabspec, the missing keywords will be automatically added to the layout as follows:

- 1. If the row specification is empty, then put the missing keywords in rowspec.
- 2. If the row specification is not empty but the column specification is empty, then put the missing keywords in colspec.
- 3. If the row and column specifications are not empty but the table specification is empty and if result is the only missing keyword and there is only one statistic (result), then put result in tabspec.
- 4. Otherwise, append the missing keywords to rowvars.

Below, we demonstrate how missing keywords are added to the *layout*.

Using auto.dta, we create a table with the minimum and maximum mpg for each level of rep78. The keyword result identifies the statistics we computed. By listing an empty set of parentheses followed by rep78, we request that the levels of rep78 be placed on the columns.

- . use https://www.stata-press.com/data/r18/auto (1978 automobile data)
- . table () rep78, statistic(min mpg) statistic(max mpg)

	1	Re 2	pair 3	record	1978 5	Total
Minimum value		14	12	14	17	12
Maximum value		24	29	30	41	41

Based on rule 1, if we request more than one statistic, result must be in the layout. Based on situation 1, if the row specification is empty, then the missing keyword will be placed in the row specification. We could have created the same table by typing

. table (result) (rep78), statistic(min mpg) statistic(max mpg)

Now, let's include multiple variables in our statistic() option. We also type rep78 immediately after table to specify that the levels of rep78 be placed on the rows.

. table rep78, statistic(mean mpg price)

	Mileage (mpg)	Price
Repair record 1978		
1	21	4564.5
2	19.125	5967.625
3	19.43333	6429.233
4	21.66667	6071.5
5	27.36364	5913
Total	21.28986	6146.043

Because we have more than one variable in the statistic() option, then keyword var must be in the layout (rule 2). If we include a row specification but leave the column specification empty, table will treat var as the column identifier. We could have equivalently typed

. table (rep78) (var), statistic(mean mpg price)

Next, let's include both a command() option and a statistic() option with multiple variables in the same table. We want a table with coefficients and means of the independent variables. We use the command() option to fit the regression and obtain the means with the statistic() option. Now, we need both colname and statcmd to uniquely identify the values in the table. Let's omit statcmd from our command.

- . table (colname) (result[\_r\_b mean]),
- > command(regress mpg turn trunk) statistic(mean turn trunk)

	Coefficient	Mean
Turn circle (ft.) regress mpg turn trunk Mean Trunk space (cu. ft.) regress mpg turn trunk Mean Intercept	7610113 3161825	39.64865 13.75676
regress mpg turn trunk	55.82001	

But based on situation 4, table will add statcmd to the row specification if we leave it out. So we could have also typed the following to create the same table:

```
. table (colname statcmd) (result[_r_b mean]),
  command(regress mpg turn trunk) statistic(mean turn trunk)
```

This table displays each of the statistics that we requested. If we simply wanted to compute some statistics quickly, it has served its purpose. However, if we wish to share these results with others or include a table in a report, we will want to make some modifications.

#### Advanced table customization

table allows you to customize the results of your table using the stars(), nformat(), sformat(), cidelimiter(), label(), and style() options. With these, you can add significance stars, change the numeric format, and attach characters such as percent signs or parentheses to values in the table, use a stored set of labels, or use a predefined style. See [TABLES] **Predefined styles** for more information on selecting a style that adjusts elements of the table such as row header alignment, alignment of values within the cells, and which labels are included in the headers.

Customization can also go beyond the predefined styles and options available to you in the table command. table stores all of its results in a collection named Table. This means that you can use the specialized tools available in the collect suite of commands to further customize your table. With collect, you can modify specific labels, add borders, change the style of the headers, and the like. Once you have a publication-ready table, you can use collect export to export your table to HTML, Word, LATEX, PDF, Excel, or another format appropriate for your report.

## Stored results

```
table stores the following in r():
```

Scalars

r(N) number of observations

### Methods and formulas

Variables specified in *rowspec*, *colspec*, and *tabspec* identify groups of observations within the dataset. These groups are represented in the table by cells and cell margins (totals). For a given cell or cell margin, let n denote the number of observations (frequency). Let x denote the variable on which we want to calculate summary statistics, and let  $x_i$ ,  $i = 1, \ldots, n$ , denote an individual observation on x. count is the number of nonmissing values of x. first is  $x_1$  and last is  $x_n$ . Let a be the smallest a such that a is not missing, and then firstnm is a. Let a be the largest a such that a is not missing, and then lastnm is a.

Let  $v_i$  be the weight, and if no weight is specified, define  $v_i = 1$  for all i. Let v. denote the sum of the weights (sumw):

$$v_{\cdot} = \sum_{i=1}^{n} v_{i}$$

When aweights or pweights are specified, the normalized weights are given by  $w_i = v_i(n/v_i)$  with  $w_i = n$ ; otherwise,  $w_i = v_i$  and  $w_i = v_i$ .

The remaining summary statistics are computed according to the following formulas:

total

$$x_{\cdot} = \begin{cases} \sum_{i=1}^{n} v_{i}x_{i} & \text{if pweights} \\ \sum_{i=1}^{n} w_{i}x_{i} & \text{otherwise} \end{cases}$$

rawtotal

$$\sum_{i=1}^{n} x_i$$

mean

$$\overline{x} = \frac{1}{w} \sum_{i=1}^{n} w_i x_i$$

Define  $m_r$  as the rth moment about the mean:

$$m_r = \frac{1}{w} \sum_{i=1}^n w_i (x_i - \overline{x})^r$$

variance

$$s^{2} = \frac{w}{w - 1} m_{2} = \frac{1}{w - 1} \sum_{i=1}^{n} w_{i} (x_{i} - \overline{x})^{2}$$

sd (standard deviation)

$$s = \sqrt{s^2}$$

semean (standard error of the mean)

$$\operatorname{se}(\overline{x}) = \frac{s}{\sqrt{w_{\cdot}}}$$

sebinomial (standard error of the mean, binomial distribution)

$$\sqrt{\frac{\overline{x}(1-\overline{x})}{w}}$$

sepoisson (standard error of the mean, Poisson distribution)

$$\sqrt{\frac{\overline{x}}{w}}$$

When pweights are specified, semean, sebinomial, and sepoisson are all computed as

$$\operatorname{se}_{\mathrm{pw}}(\overline{x}) = \sqrt{\frac{n}{n-1} \sum_{i=1}^{n} \left\{ \frac{v_i}{v_i} (x_i - \overline{x}) \right\}^2}$$

skewness

$$m_3 m_2^{-3/2}$$

kurtosis

$$m_4 m_2^{-2}$$

cv (coefficient of variation)

$$\frac{s}{\overline{x}}$$

svycv (coefficient of variation, survey literature)

$$100 \frac{\operatorname{se}(\overline{x})}{|\overline{x}|}$$

svycv with pweights

$$100 \frac{\mathrm{se}_{\mathrm{pw}}(\overline{x})}{|\overline{x}|}$$

geomean (geometric mean)

$$\overline{x}_g = \exp\left(\frac{1}{w_{\cdot}} \sum_{i=1}^n w_i \ln x_i\right)$$

geosd (geometric standard deviation)

$$\exp\left(\sqrt{\frac{1}{w_{\cdot}-1}\sum_{i=1}^{n}w_{i}(\ln x_{i}-\ln \overline{x}_{g})^{2}}\right)$$

Let  $x_{(i)}$  refer to the x in ascending order, and let  $w_{(i)}$  refer to the corresponding weights of  $x_{(i)}$ .

minimum

 $x_{(1)}$ 

maximum

 $x_{(n)}$ 

range

$$x_{(n)} - x_{(1)}$$

To obtain the pth percentile, which we will denote as  $x_{[p]}$ , let P = np/100 and

$$W_{(i)} = \frac{n}{w} \sum_{j=1}^{i} w_{(j)}$$

Find the first index i such that  $W_{(i)} > P$ . The pth percentile is then

$$x_{[p]} = \begin{cases} \frac{x_{(i-1)} + x_{(i)}}{2} & \text{if } W_{(i-1)} = P\\ x_{(i)} & \text{otherwise} \end{cases}$$

q1 (first quartile)

 $x_{[25]}$ 

q2 (second quartile)

 $x_{[50]}$ 

q3 (third quartile)

 $x_{[75]}$ 

iqr (interquartile range)

$$x_{[75]} - x_{[25]}$$

Let f be an indicator for a specific level of a factor variable and  $f_i$  denote an individual observation on f.

fvfrequency (frequency of the factor variable's level)

$$\sum_{i=1}^{n} w_i f_i$$

fvrawfrequency (unweighted frequency of the factor variable's level)

$$\sum_{i=1}^{n} f_i$$

fyproportion (proportion of the factor variable's level)

$$\frac{1}{w_{\cdot}} \sum_{i=1}^{n} w_{i} f_{i}$$

furawproportion (unweighted proportion of the factor variable's level)

$$\frac{1}{n}\sum_{i=1}^{n}f_{i}$$

fvpercent (percentage of the factor variable's level)

$$\frac{100}{w} \sum_{i=1}^{n} w_i f_i$$

fvrawpercent (unweighted percentage of the factor variable's level)

$$\frac{100}{n} \sum_{i=1}^{n} f_i$$

proportion is computed from ratios of totals. The numerator is taken from the total for the given cell or cell margin, and the denominator is taken from the total for a cell margin that contains the given cell or cell margin. percent is proportion multiplied by 100.

rawproportion and rawpercent are similarly computed using unweighted totals.

## Also see

- [R] table intro Introduction to tables of frequencies, summaries, and command results
- [R] table hypothesis tests Table of hypothesis tests
- [R] table multiway Multiway tables
- [R] **table oneway** One-way tabulation
- [R] table regression Table of regression results
- [R] table summary Table of summary statistics
- [R] table twoway Two-way tabulation
- [TABLES] **Intro** Introduction

Stata, Stata Press, and Mata are registered trademarks of StataCorp LLC. Stata and Stata Press are registered trademarks with the World Intellectual Property Organization of the United Nations. Other brand and product names are registered trademarks or trademarks of their respective companies. Copyright © 1985-2023 StataCorp LLC, College Station, TX, USA. All rights reserved.

