

Description

`estat summarize` summarizes the variables used by the command and automatically restricts the sample to the estimation sample; it also summarizes the weight variable and cluster structure, if specified.

Quick start

Summary statistics for all variables in the model using estimation sample

```
estat summarize
```

Add variable labels to output

```
estat summarize, labels
```

Obtain summary of estimation sample for each equation

```
estat summarize, equation
```

Ignore weights when calculating summary statistics after weighted estimation

```
estat summarize, noweights
```

Menu for estat

Statistics > Postestimation

Syntax

```
estat summarize [eqlist] [ , estat_summ_options ]
```

<i>estat_summ_options</i>	Description
<u>equation</u>	display summary by equation
<u>group</u>	display summary by group; only after <code>sem</code> and <code>gsem</code>
<u>labels</u>	display variable labels
<u>noheader</u>	suppress the header
<u>noweights</u>	ignore weights
<i>display_options</i>	control row spacing, line width, display of omitted variables and base and empty cells, and factor-variable labeling

eqlist is rarely used and specifies the variables, with optional equation name, to be summarized. *eqlist* may be *varlist* or (*eqname*₁: *varlist*) (*eqname*₂: *varlist*) ... *varlist* may contain time-series operators; see [U] 11.4.4 Time-series varlists.

`collect` is allowed; see [U] 11.1.10 Prefix commands.

Options

`equation` requests that the dependent variables and the independent variables in the equations be displayed in the equation-style format of estimation commands, repeating the summary information about variables entered in more than one equation.

`group` displays summary information separately for each group. `group` is only allowed after `sem` or `gsem` with a `group()` variable specified.

`labels` displays variable labels.

`noheader` suppresses the header.

`noweights` ignores the weights, if any, from the previous estimation command. The default when weights are present is to perform a weighted `summarize` on all variables except the weight variable itself. An unweighted `summarize` is performed on the weight variable.

display_options: `noomitted`, `vsquish`, `noemptycells`, `baselevels`, `allbaselevels`, `nofvlabel`, `fvwrap(#)`, and `fvwrapon(style)`; see [R] Estimation options.

Remarks and examples

Often when fitting a model, you will also be interested in obtaining summary statistics, such as the sample means and standard deviations of the variables in the model. `estat summarize` makes this process simple. The output displayed is similar to that obtained by typing

```
. summarize varlist if e(sample)
```

without the need to type the *varlist* containing the dependent and independent variables.

► Example 1

Continuing with the [example](#) in [\[R\] estat ic](#), here we summarize the variables by using `estat summarize`.

```
. use https://www.stata-press.com/data/r19/sysdsn1
(Health insurance data)
```

```
. mlogit insure age male nonwhite i.site
(output omitted)
```

```
. estat summarize, noomitted
```

Estimation sample mlogit		Number of obs =			615
Variable	Mean	Std. dev.	Min	Max	
insure	1.596748	.6225846	1	3	
age	44.46832	14.18523	18.11087	86.07254	
male	.2504065	.4335998	0	1	
nonwhite	.196748	.3978638	0	1	
site					
2	.3707317	.4833939	0	1	
3	.3138211	.4644224	0	1	



The output in the previous example contains all the variables in one table, though `mlogit` presents its results in a multiple-equation format. For models in which the same variables appear in all equations, that is fine; but for other multiple-equation models, we may prefer to have the variables separated by the equation in which they appear. The `equation` option makes this possible.

For suggested citations, see the FAQ on [citing Stata documentation](#).