count — Count observations satisfying specified conditions

Description
count counts the number of observations that satisfy the specified conditions. If no conditions are specified, count displays the number of observations in the data.

Quick start
Count the number of observations
count
As above, but where catvar equals 3
count if catvar==3
Count observations for each value of catvar
by catvar: count

Menu
Data > Data utilities > Count observations satisfying condition

Syntax
count [if] [in]
by is allowed; see [D] by.

Remarks and examples
count may strike you as an almost useless command, but it can be one of Stata’s handiest.

Example 1
How many times have you obtained a statistical result and then asked yourself how it was possible? You think a moment and then mutter aloud, “Wait a minute. Is income ever negative in these data?” or “Is sex ever equal to 3?” count can quickly answer those questions:

. use https://www.stata-press.com/data/r16/countxmpl
   (1980 Census data by state)
. count
   641
. count if income<0
. count if sex==3
  1
. by division: count if sex==3

-> division = New England
  0

-> division = Mountain
  0

-> division = Pacific
  1

We have 641 observations. income is never negative. sex, however, takes on the value 3 once. When we decompose the count by division, we see that it takes on that odd value in the Pacific division.

Stored results

count stores the following in r():

Scalars
  r(N)    number of observations

References


Also see

[R] tabulate oneway — One-way table of frequencies