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

\section*{Stored results}

\texttt{count} stores the following in \texttt{r()}:\[0.5cm\]

- Scalars
  - \texttt{r(N)} number of observations

\section*{References}


\section*{Also see}

\texttt{[R] tabulate oneway} — One-way table of frequencies