st_addobs() — Add observations to current Stata dataset

Syntax

void st_addobs(real scalar n)
void st_addobs(real scalar n, real scalar nofill)
real scalar _st_addobs(real scalar n)
real scalar _st_addobs(real scalar n, real scalar nofill)

Description

st_addobs(n) adds n observations to the current Stata dataset.

st_addobs(n, nofill) does the same thing but saves computer time by not filling in the additional observations with the appropriate missing-value code if nofill ≠ 0. st_addobs(n, 0) is equivalent to st_addobs(n). Use of st_addobs() with nofill ≠ 0 is not recommended. If you specify nofill ≠ 0, it is your responsibility to ensure that the added observations ultimately are filled in or removed before control is returned to Stata.

_st_addobs(n) and _st_addobs(n, nofill) perform the same action as st_addobs(n) and st_addobs(n, nofill), except that they return 0 if successful and the appropriate Stata return code otherwise (otherwise usually being caused by insufficient memory). Where _st_addobs() would return nonzero, st_addobs() aborts with error.

Remarks and examples

There need not be any variables defined to add observations. If you are attempting to create a dataset from nothing, you can add the observations first and then add the variables, or you can add the variables and then add the observations. Use st_addvar() (see [M-5] st_addvar()) to add variables.

Conformability

st_addobs(n, nofill):

n: 1 × 1
nofill: 1 × 1 (optional)
result: void

_st_addobs(n, nofill):

n: 1 × 1
nofill: 1 × 1 (optional)
result: 1 × 1
Diagnostics

`st_addobs(n[, nofill])` and `_st_addobs(n[, nofill])` abort with error if \( n < 0 \). They do nothing if \( n = 0 \).

`st_addobs()` aborts with error if there is insufficient memory to add the requested number of observations.

`_st_addobs()` aborts with error if \( n < 0 \) but otherwise returns the appropriate Stata return code if the observations cannot be added. If they are added, 0 is returned.

`st_addobs()` and `_st_addobs()` do not set `st_update()` (see [M-5] `st_update()`); you must set it if you want it set.

Also see

[M-4] `stata` — Stata interface functions