st_rclear( ) — Clear r( ), e( ), or s( )

Description Syntax Remarks and examples Conformability Diagnostics Also see

Description

`st_rclear()` clears Stata's `r()` stored results.

`st_eclear()` clears Stata's `e()` stored results.

`st_sclear()` clears Stata's `s()` stored results.

Syntax

void `st_rclear()`

void `st_eclear()`

void `st_sclear()`

Remarks and examples

Returning results in `r()`, `e()`, or `s()` is one way of communicating results calculated in Mata back to Stata; see [M-1] **Ado**. See [R] **Stored results** for a description of `e()`, `r()`, and `s()`.

Use `st_rclear()`, `st_eclear()`, or `st_sclear()` to clear results, and then use `st_global()` to define macros, `st_numscalar()` to define scalars, and `st_matrix()` to define Stata matrices in `r()`, `e()`, or `s()`. For example,

```
st_rclear()
st_global("r(name)", "tab")      see [M-5] st_global( )
st_numscalar("r(N)", n1+n2)      see [M-5] st_numscalar( )
st_matrix("r(table)", X+Y)       see [M-5] st_matrix( )
```

It is not necessary to clear before saving, but it is considered good style unless it is your intention to add to previously stored results.

If a stored result already exists, `st_global()`, `st_numscalar()`, and `st_matrix()` may be used to redefine it and even to redefine it to a different type. For instance, continuing with our example, later in the same code might appear

```
if (...) {
     st_matrix("r(name)", X)
}
```

Stored result `r(name)` was previously defined as a macro containing `"tab"`, and, even so, can now be redefined to become a matrix.

If you want to eliminate a particular stored result, use `st_global()` to change its contents to `""`:

```
st_global("r(name)", "")
```

Do this regardless of the type of the stored result. Here we use `st_global()` to clear stored result `r(name)`, which might be a macro and might be a matrix.

Conformability

`st_rclear()`, `st_eclear()`, and `st_sclear()` take no arguments and return void.

Diagnostics

`st_rclear()`, `st_eclear()`, and `st_sclear()` cannot fail.

Also see

[M-5] **st_global( )** — Obtain strings from and put strings into global macros

[M-5] **st_matrix( )** — Obtain and put Stata matrices

[M-5] **st_numscalar( )** — Obtain values from and put values into Stata scalars

[M-4] **Stata** — Stata interface functions

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