st_varname() — Obtain variable names from variable indices

Description

st_varname(k) returns the Stata variable names associated with the variable indices stored in k. For instance, with the automobile data in memory

    names = st_varname((1..3))

results in names being ("make", "price", "mpg").

st_varname(k, tsmap) does the same thing but allows you to specify whether you want the actual or logical variable names of any time-series–operated variables created by the Mata function st_tsrevar() (see [M-5] st_tsrevar()) or by the Stata command tsrevar (see [TS] tsrevar).

st_varname(k) is equivalent to st_varname(k, 0); actual variable names are returned. st_varname(k, 1) returns logical variable names.

Syntax

    string rowvector  st_varname(real rowvector k)

    string rowvector  st_varname(real rowvector k, real scalar tsmap)

Remarks and examples

To understand the actions of st_varname(k, 1), pretend that variable 58 was created by st_tsrevar():

    k = st_tsrevar("gnp", "r", "l.gnp")

Pretend that k now contains (12, 5, 58). Variable 58 is a new, temporary variable, containing l.gnp values. Were you to ask for the actual names of the variables

    actualnames = st_varname(k)

actualnames would contain ("gnp", "r", "__00004a"), although the name of the last variable will vary because it is a temporary variable. Were you to ask for the logical names,

    logicalnames = st_varname(k, 1)

you would get back ("gnp", "r", "L.gnp").
**Conformability**

\[ \text{st\_varname}(k, tmap) \]

- \( k \): \( 1 \times c \)
- \( tmap \): \( 1 \times 1 \) (optional)
- \( \text{result} \): \( 1 \times c \)

**Diagnostics**

\( \text{st\_varname}(k) \) and \( \text{st\_varname}(k, tmap) \) abort with error if any element of \( k \) is less than 1 or greater than \( \text{st\_nvar}() \); see [M-5] \( \text{st\_nvar}() \).

**Also see**

- [M-5] \( \text{st\_tsrevar}() \) — Create time-series op.varname variables
- [M-5] \( \text{st\_varindex}() \) — Obtain variable indices from variable names
- [M-4] \textbf{Stata} — Stata interface functions