Title

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st_varname( ) — Obtain variable names from variable indices

Syntax   Description   Remarks and examples   Conformability
Diagnostics   Also see

Syntax

> *string rowvector*   st_varname(*real rowvector k*)

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

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.

Remarks and examples

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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").

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Conformability

st_varname(*k*, *tsmap*)
$$
\begin{array}{rl}
k: & 1 \times c \\
tsmap: & 1 \times 1 \quad \text{(optional)} \\
result: & 1 \times c
\end{array}
$$

Diagnostics

st_varname(*k*) and st_varname(*k*, *tsmap*) abort with error if any element of *k* is less than 1 or greater than st_nvar( ); see [M-5] **st_nvar( )**.

Also see

[M-5] **st_varindex( )** — Obtain variable indices from variable names

[M-5] **st_tsrevar( )** — Create time-series op.varname variables

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