**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

\texttt{\textbackslash st\_varname}(k, tmap)  
\hspace{1cm} k: 1 \times c  
\hspace{1cm} tmap: 1 \times 1 \text{ (optional)}  
\hspace{1cm} result: 1 \times c

Diagnostics

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

Also see

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