### Description

\texttt{st_viewvars(V)} returns the indices of the Stata variables corresponding to the columns of \( V \).

\texttt{st_viewobs(V)} returns the Stata observation numbers corresponding to the rows of \( V \). Returned is either a \( 1 \times 2 \) row vector recording the observation range or an \( N \times 1 \) column vector recording the individual observation numbers.

### Syntax

\begin{verbatim}
real rowvector st_viewvars(matrix V)
real vector st_viewobs(matrix V)
\end{verbatim}

where \( V \) is required to be a view.

### Remarks and examples

The results returned by these two functions are suitable for inclusion as arguments in subsequent calls to \texttt{st_view()} and \texttt{st_sview()}; see [M-5] \texttt{st_view()}.

### Conformability

\texttt{st_viewvars}(V):

\begin{align*}
V & : \quad N \times k \\
result & : \quad 1 \times k
\end{align*}

\texttt{st_viewobs}(V):

\begin{align*}
V & : \quad N \times k \\
result & : \quad 1 \times 2 \quad \text{or} \quad N \times 1
\end{align*}

### Diagnostics

\texttt{st_viewvars}(V) and \texttt{st_viewobs}(V) abort with error if \( V \) is not a view.

### Also see

[M-5] \texttt{st_view()} — Make matrix that is a view onto current Stata dataset

[M-4] \texttt{Stata} — Stata interface functions