Title

missing( ) — Count missing and nonmissing values

Description

These functions return the indicated count of missing or nonmissing values.

colmissing(X) returns the count of missing values of each column of X, rowmissing(X) returns the count of missing values of each row, and missing(X) returns the overall count.

colnonmissing(X) returns the count of nonmissing values of each column of X, rownonmissing(X) returns the count of nonmissing values of each row, and nonmissing(X) returns the overall count.

hasmissing(X) returns 1 if X has a missing value or 0 if X does not have a missing value.

Syntax

> *real rowvector* colmissing(*numeric matrix X*)
>
> *real colvector* rowmissing(*numeric matrix X*)
>
> *real scalar*   missing(*numeric matrix X*)
>
> *real rowvector* colnonmissing(*numeric matrix X*)
>
> *real colvector* rownonmissing(*numeric matrix X*)
>
> *real scalar*   nonmissing(*numeric matrix X*)
>
> *real scalar*   hasmissing(*numeric matrix X*)

Remarks and examples

> colnonmissing(X) = rows(X) :- colmissing(X)
> rownonmissing(X) = cols(X) :- rowmissing(X)
>   nonmissing(X) = rows(X)*cols(X) - missing(X)

Conformability

colmissing(X), colnonmissing(X):

X:	$r \times c$
result:	$1 \times c$

rowmissing(X), rownonmissing(X):

X:	$r \times c$
result:	$r \times 1$

missing(X), nonmissing(X), hasmissing(X):

X:	$r \times c$
result:	1×1

Diagnostics

None.

Also see

[M-5] **editmissing( )** — Edit matrix for missing values

[M-4] **Utility** — Matrix utility functions

For suggested citations, see the FAQ on citing Stata documentation.