

**designmatrix()** — Design matrices[Description](#)  
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## Description

`designmatrix(v)` returns a  $\text{rows}(\mathit{v}) \times \text{colmax}(\mathit{v})$  matrix with ones in the indicated columns and zero everywhere else.

## Syntax

*real matrix* `designmatrix(real colvector v)`

## Remarks and examples

stata.com

`designmatrix((1\2\3))` is equal to  $I(3)$ , the  $3 \times 3$  identity matrix.

## Conformability

`designmatrix(v):`

*v*:  $r \times 1$   
*result*:  $r \times \text{colmax}(\mathit{v})$  ( $0 \times 0$  if  $r = 0$ )

## Diagnostics

`designmatrix(v)` aborts with error if any element of *v* is  $< 1$ .

## Also see

[M-4] [standard](#) — Functions to create standard matrices