_transpose() — Transposition in place	

Conformability

Diagnostics

Also see

Remarks and examples

#### Description

Description

\_transpose(A) replaces A with A'. Coding \_transpose(A) is equivalent to coding A = A', except that execution can take a little longer and less memory is used. When A is complex, A is replaced with its conjugate transpose; see [M-5] transposeonly() if transposition without conjugation is desired.

#### Syntax

```
void _transpose(numeric matrix A)
```

### **Remarks and examples**

In some calculation, you need A'

 $X = \ldots$  calculation using  $A' \ldots$ 

If A is large, you can save considerable memory by coding

```
_transpose(A)
X = ... calculation using A ...
_transpose(A)
```

Syntax

# Conformability

```
_transpose(A):

input:

A: r \times c

output:

A: c \times r
```

# Diagnostics

\_transpose(A) aborts with error if A is a view.

#### Also see

- [M-2] op\_transpose Conjugate transpose operator
- [M-5] **conj()** Complex conjugate
- [M-5] transposeonly() Transposition without conjugation
- [M-4] Manipulation Matrix manipulation

Stata, Stata Press, and Mata are registered trademarks of StataCorp LLC. Stata and Stata Press are registered trademarks with the World Intellectual Property Organization of the United Nations. StataNow and NetCourseNow are trademarks of StataCorp LLC. Other brand and product names are registered trademarks or trademarks of their respective companies. Copyright © 1985–2025 StataCorp LLC, College Station, TX, USA. All rights reserved.



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