

strupper() — Convert string to uppercase (lowercase)

Syntax Diagnostics	Description Also see	Remarks and examples	Conformability
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Syntax

string matrix `strupper(string matrix s)`

string matrix `strlower(string matrix s)`

string matrix `strproper(string matrix s)`

Description

`strupper(s)` returns *s*, converted to uppercase.

`strlower(s)` returns *s*, converted to lowercase.

`strproper(s)` returns a string with the first letter capitalized and any other letters capitalized that immediately follow characters that are not letters; all other letters are converted to lowercase.

When *s* is not a scalar, these functions return element-by-element results.

Remarks and examples

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`strproper("mR. joHn a. sMitH")` returns Mr. John A. Smith.

`strproper("jack o'reilly")` returns Jack O'Reilly.

`strproper("2-cent's worth")` returns 2-Cent'S Worth.

Also, Stata understands `strupper()`, `strlower()`, and `strproper()` as synonyms for its own `upper()`, `lower()`, and `proper()` functions, so you can use the `str*()` names in both your Stata and Mata code.

Conformability

`strupper(s)`, `strlower(s)`, `strproper(s)`:

<i>s</i> :	$r \times c$
<i>result</i> :	$r \times c$

Diagnostics

None.

Also see

[M-4] [string](#) — String manipulation functions