

## Description

mi reshape is Stata's reshape for mi data; see [\[D\] reshape](#).

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## Syntax

### Overview

(The words long and wide in what follows have nothing to do with mi styles mlong, flong, flongsep, and wide; they have to do with reshape's concepts.)

long						wide		
<i>i</i>	<i>j</i>	<i>stub</i>				<i>i</i>	<i>stub1</i>	<i>stub2</i>
1	1	4.1				1	4.1	4.5
1	2	4.5				2	3.3	3.0
2	1	3.3						
2	2	3.0						

← reshape →

To go from long to wide:

```

      j existing variable
      /
mi reshape wide stub, i(i) j(j)

```

To go from wide to long:

```

mi reshape long stub, i(i) j(j)
      \
      j new variable

```

### Basic syntax

Convert mi data from long form to wide form

```
mi reshape wide stubnames, i(varlist) j(varname) [options]
```

Convert mi data from wide form to long form

```
mi reshape long stubnames, i(varlist) j(varname) [options]
```

options	Description
i( <i>varlist</i> )	<i>i</i> variable(s)
j( <i>varname</i> [ <i>values</i> ])	long→wide: <i>j</i> , existing variable wide→long: <i>j</i> , new variable optionally specify values to subset <i>j</i>
string	<i>j</i> is string variable (default is numeric)

where *values* is    #[-#] [...]                    if *j* is numeric (the default)  
                     "string" ["string" ...]       if *j* is string

and where *stubnames* are variable names (long→wide), or stubs of variable names (wide→long). Unlike reshape (see [D] reshape), *stubnames* may not contain @ to denote where *j* appears in the name; all *stubnames* must follow the style *stub#*.

Options

See [D] reshape for descriptions of the other options.

Remarks and examples

The reshape command you specify is carried out on the  $m = 0$  data, and then the result is duplicated in  $m = 1, m = 2, \dots, m = M$ .

In mi reshape, all variables corresponding to the same *stubnames* must be registered of the same mi type: imputed, passive, or regular.

Also see

- [MI] Intro — Introduction to mi
- [MI] mi replace0 — Replace original data
- [D] reshape — Convert data from wide to long form and vice versa

