Title

mi reshape — Reshape mi data

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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

i	*j*	*stub*
1	1	4.1
1	2	4.5
2	1	3.3
2	2	3.0

reshape ⟷

wide

i	*stub*1	*stub*2
1	4.1	4.5
2	3.3	3.0

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(`*varlist*`)`	*i* variable(s)
`j(`*varname* [*values*]`)`	long→wide: *j*, existing variable wide→long: *j*, new variable optionally specify values to subset *j*
`string`	*j* 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#*.

Menu

Statistics > Multiple imputation

Description

`mi reshape` is Stata's `reshape` for `mi` data; see [D] **reshape**.

Options

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

Remarks and examples

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

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