mi expand — Expand mi data

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Description

`mi expand` is `expand` (see [D] **expand**) for `mi` data. The syntax is identical to `expand` except that `in` *range* is not allowed and the `noupdate` option is allowed.

`mi expand` *exp* replaces each observation in the dataset with n copies of the observation, where n is equal to the required expression rounded to the nearest integer. If the expression is less than 1 or equal to missing, it is interpreted as if it were 1, meaning that the observation is retained but not duplicated.

Menu

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Syntax

`mi expand` [`=`]*exp* [*if*] [, *options*]

options	Description
`generate(`*newvar*`)`	create *newvar*; 0 = original, 1 = expanded
`noupdate`	see [MI] **noupdate option**

Options

`generate(`*newvar*`)` creates new variable *newvar* containing 0 if the observation originally appeared in the dataset and 1 if the observation is a duplication.

`noupdate` in some cases suppresses the automatic `mi update` this command might perform; see [MI] **noupdate option**.

Remarks and examples

`mi expand` amounts to performing `expand` on $m = 0$, then duplicating the result on $m = 1$, $m = 2$, …, $m = M$, and then combining the result back into `mi` format. Thus if the requested expansion specified by *exp* is a function of an imputed, passive, varying, or super-varying variable, then it is the values of the variable in $m = 0$ that will be used to produce the result for $m = 1$, $m = 2$, …, $m = M$, too.

Also see

[MI] **Intro** — Introduction to mi

[D] **expand** — Duplicate observations

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