
ismissing

syntax: `ismissing(data)`

purpose: Identifies those entries in a data set that are identified by the code `NaN` as being missing. These can then be deleted with `WEED` or otherwise handled. The returned value from `ismissing` is a boolean vector, with 1 indicating that the corresponding entry is `NaN` and 0 otherwise.

example: Consider a short data set with several missing values:

```
>> data = [1.1 2.1 NaN 5.1 NaN NaN 3.2];
>> ismissing(data)
ans:      0 0 1 0 1 1 0
```

This is useful for deleting missing elements from a data set

```
>> weed(ismissing(data))
ans:      1.1 2.1 5.1 3.2
```

For MATLAB experts: Although `ismissing` simply tests for equality with `NaN`, this cannot be effectively done with the comparison operator `==`. This is because any logical comparison involving `NaN` is false:

```
>> NaN == NaN
ans:      0
```

Instead, `ismissing` uses the built-in function `isnan`.

see also: `WEED`, `SETMISSING`

This document is an excerpt from
Resampling Stats in MATLAB
Daniel T. Kaplan

Copyright (c) 1999 by Daniel T. Kaplan, All Rights Reserved

This document differs from the published book in pagination and in the omission (unintentional, but unavoidable for technical reasons) of figures and cross-references from the book. It is provided as a courtesy to those who wish to examine the book, but not intended as a replacement for the published book, which is available from Resampling Stats, Inc.

www.resample.com
703-522-2713