
between

syntax: `between(data, low, high)`

purpose: Tests whether the `data` points fall between the specified `high` and `low` values. `between` returns a boolean (yes-or-no) value for each individual point in `data`. For instance:

```
>> data = [1 2 3 4 5 6 7];  
>> between( data, 3, 5 ) ⇒ ans: 0 0 1 1 1 0 0
```

As with all boolean values in MATLAB, 0 means “no” and 1 means “yes.” As seen in the above example, a yes answer is returned when a point in `data` equals the high or low bounds.

watch out!: If you reverse the `high` and `low` arguments, all the answers will be no. For instance, reversing 3 and 5 in the above example:

```
>> between(data,5,3) ⇒ ans: 0 0 0 0 0 0 0
```

for MATLAB Experts: `between` is a very simple program and is provided purely for the convenience of beginning users. If you need somewhat different behavior, for instance you want equality to return a no answer, it is easiest to put in the boolean statement yourself, for instance:

```
data < high & data > low
```

see also:: `COUNT`, `WEED`

This document is an excerpt from
Resampling Stats in MATLAB
Daniel T. Kaplan
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703-522-2713

