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**exclude**

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syntax: `exclude(data, leaveout)`

purpose: Makes a copy of `data`, leaving out the elements at the indicated positions.

example: Consider a short data set:

```
>> data = [1 2 3 4 5 6 7 8 9 10]
```

```
ans:      1 2 3 4 5 6 7 8 9 10
```

```
>> exclude(data,5)
```

```
ans:      1 2 3 4 6 7 8 9 10
```

```
>> exclude(data,[2 5 10])
```

```
ans:      1 3 4 6 7 8 9
```

If `data` is a matrix, `exclude` works by rows.

```
>> x = [1 2; 3 4; 5 6; 7 8] => ans:  1 2
                                     3 4
                                     5 6
                                     7 8
```

```
>> exclude(x,[2 3]) => ans:  1 2
                             7 8
```

`exclude` is useful, for example, for jackknifing and leave-one-out cross-validation. For deleting missing data, `WEED` and `ISMISSING` are more useful.

See also: `WEED`

This document is an excerpt from  
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