

# Package ‘fancycut’

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**Title** A Fancy Version of 'base::cut'

**Version** 0.1.1

**Description** Provides the function fancycut() which is like cut() except you can mix left open and right open intervals with point values, intervals that are closed on both ends and intervals that are open on both ends.

**License** CC0

**LazyData** true

**RoxygenNote** 5.0.1

**NeedsCompilation** no

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fancycut *Like cut, turn a vector of numbers into a factor*

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### Description

Like cut, turn a vector of numbers into a factor

### Usage

```
fancycut(x, intervals, buckets = intervals, na.bucket = NA,  
unmatched.bucket = NA, out.as.factor = TRUE, ...)
```

**Arguments**

<code>x</code>	a numeric vector
<code>intervals</code>	a character vector of intervals
<code>buckets</code>	a character vector of levels for the new factor these have a 1-1 correspondence with intervals
<code>na.bucket</code>	what level should NA values be given?
<code>unmatched.bucket</code>	what level should numbers not covered by an interval be given?
<code>out.as.factor</code>	default is TRUE Should the resulting vector be a factor? If FALSE will return a character vector.
<code>...</code>	These take the form <code>tag = value</code> . Tags become the bucket names and values the interval definitions. If args are passed in this way <code>intervals</code> and <code>buckets</code> are both ignored.

**Examples**

```
fancycut(-10:10, c('(0,2]','(2,5)','[5,10]'), c('Small','Medium','Large'))
fancycut(-10:10, c('[0,0]','(0,2]','(2,5)','[5,10]'), c('Zero','Small','Medium','Large'))
fancycut(
  x = -10:10,
  Zero = 0,
  Small = '(0,2]',
  Medium = '(2,5)',
  Large = '[5,10]'
)
fancycut(-10:10, c('(0,2]','(2,5)','[5,10]'), c('Small','Medium','Large'))
fancycut(-10:10, c('[0,0]','(0,2]','(2,5)','[5,10]'), c('Zero','Small','Medium','Large'))
```

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