

Package ‘parviol’

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Type Package

Title Parviol

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Depends R (>= 2.9.1), vioplot

Description Parviol combines parallel coordinates and violin plot

License GPL (>= 2)

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R topics documented:

numattr	1
normalize	2
parviol	3
selecto	3

Index	5
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numattr	<i>Number of numeric variables</i>
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Description

Counts number of numeric variables in data frame.

Usage

```
nnumattr(df)
```

Arguments

df data frame.

Details

Counts number of numeric variables in data frame.

Value

Returns number of numeric variables.

Author(s)

Jaroslav Myslivec <jaroslav.myslivec@upce.cz>

normalize

Normalization

Description

Normalization of variable.

Usage

```
normalize(ar)
```

Arguments

ar numeric variable.

Details

Normalization of variable: $ar \leftarrow (ar - \min(ar)) / (\max(ar) - \min(ar))$

Value

Returns normalized variable.

Author(s)

Jaroslav Myslivec <jaroslav.myslivec@upce.cz>

parviol	<i>Parviol</i>
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Description

Parviol combines parallel coordinates and violin plot

Usage

```
parviol(df, violinplot=TRUE, main=NULL, sub=NULL)
```

Arguments

df	data frame.
violinplot	if TRUE draws violin plots on parallel axis.
main	main title for the plot.
sub	sub title for the plot.

Details

Parviol draws parallel coordinates and violin plot for every variable on parallel axis.

Author(s)

Jaroslav Myslivec <jaroslav.myslivec@upce.cz>

Examples

```
data(iris)
parviol(iris)
```

selecto	<i>Selecting in parviol</i>
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Description

Selecting object utility in parviol

Usage

```
selecto(df, ncol=0, from=0, to=1, col=2)
```

Arguments

<code>df</code>	data frame.
<code>ncol</code>	number of column in data frame for selection.
<code>from</code>	from value.
<code>to</code>	to value.
<code>col</code>	color of selected objects.

Details

Define which objects will be selected (colored) in parviol plot.

Author(s)

Jaroslav Myslivec <jaroslav.myslivec@upce.cz>

Examples

```
data(iris)
parviol(iris)
selecto(iris,ncol=2,from=2.5,to=3)
selecto(iris,ncol=3,from=1,to=1.1,col=5)
```

Index

*Topic **hplot**
parviol, 3

nnumattr, 1
normalize, 2

parviol, 3

selecto, 3