Package ‘moonBook’

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Demographic data of 857 patients with ACS

Description
A dataset containing demographic data and laboratory data of 857 patients with acute coronary syndrome (ACS).

Format
A data frame with 857 rows and 17 variables:

- **age** patient age in years
- **sex** "Male" or "Female"
- **cardiogenicShock** "No" or "Yes"
- **entry** vascular access route, either "Femoral" or "Radial"
- **Dx** Final diagnosis, One of the followings: STEMI, NSTEMI or Unstable Angina
- **EF** ejection fraction, percentage by echocardiography
- **height** height in centimeter
- **weight** weight in kilogram
- **BMI** body mass index in kg/m2
- **obesity** obesity, "No" or "Yes"
- **TC** total cholesterol level in mg/dL
- **LDLC** low density lipoprotein cholesterol level in mg/dL
- **HDLC** high density lipoprotein cholesterol level in mg/dL
- **TG** triglyceride level in mg/dL
- **DM** history of diabetes mellitus, "No" or "Yes"
- **HBP** history of hypertension, "No" or "Yes"
- **smoking** history of smoking, One of the followings: "Never", "Ex-smoker", "Smoker"

Change numbers into formatted numbers

Description
Change numbers into formatted numbers
Usage

addComma(x)

## S3 method for class 'mytable'
addComma(x)

## S3 method for class 'mytable.df'
addComma(x)

## S3 method for class 'cbind.mytable'
addComma(x)

## S3 method for class 'data.frame'
addComma(x)

## S3 method for class 'character'
addComma(x)

Arguments

x An object

Methods (by class)

• mytable: S3 method for class mytable
• mytable.df: S3 method for class mytable.df
• cbind.mytable: S3 method for class cbind.mytable
• data.frame: S3 method for class data.frame
• character: S3 method for class character

Examples

require(stringr)
require(ztable)
require(magrittr)
require(ggplot2)
mytable(cut~.,data=diamonds) %>% addComma
x=mytable(Dx=sex,data=acs)
addComma(x)

---

addLabelDf Add value labels to the data.frame

Description

Add value labels to the data.frame
Usage
addLabelDf(data, mapping = NULL)

Arguments
data A data.frame
mapping Set of aesthetic mappings created by aes or aes_

cat.test Perform chisq.test or fisher.test

Description
Perform chisq.test or fisher test

Usage
cat.test(x, mode = 1, ...)

Arguments
x a numeric vector or matrix. x and y can also both be factors.
mode An integer. If 1 (default), perform chisq.test first, if 2, perform fisher.test first
... Further arguments to be passed to chisq.test or fisher.test

cbind.mytable cbind function for class "mytable"

Description
cbind function for class "mytable"

Usage
## S3 method for class 'mytable'
cbind(..., caption, y = NULL)

Arguments
... Objects of class "mytable", a result of a call to mytable
caption Unique values of grouping variables used for column name of table
y Names of grouping variables used for caption of table
**centerprint**  
*Internal mytable functions*

**Description**  
Internal mytable functions. These are not to be called by the user.

**Usage**  
```
centerprint(x, ..., width = 10)
```

**Arguments**  
- `x`: a character vector
- `...`: further arguments passed to or from other methods.
- `width`: an integer

**changeColnameLabel**  
*Change column names with labels*

**Description**  
Change column names with labels.

**Usage**  
```
changeColnameLabel(data)
```

**Arguments**  
- `data`: A data.frame

**comma**  
*Convert number to formatted number*

**Description**  
Convert number to formatted number.

**Usage**  
```
comma(x, ...)
```

**Arguments**  
- `x`: A numeric vector
- `...`: Further arguments to be passed to function format
compress

Compress an object of class mytable or cbind.mytable

Description
Compress an object of class mytable or cbind.mytable

Usage
compress(x, no = 2, add.label = TRUE)

## S3 method for class 'mytable'
compress(x, no = 2, add.label = TRUE)

## S3 method for class 'cbind.mytable'
compress(x, no = 2, add.label = TRUE)

## S3 method for class 'data.frame'
compress(x, no = 2, add.label = TRUE)

Arguments

- **x**: An object of class mytable or cbind.mytable
- **no**: Representative group of two groups
- **add.label**: Logical. Whether or not add representative group name

Methods (by class)

- **mytable**: S3 method for class mytable
- **cbind.mytable**: S3 method for class cbind.mytable
- **data.frame**: S3 method for class data.frame

Examples

```
require(stringr)
require(ztable)
require(magrittr)
mytable(acs) %>% compress
mytable(Dx~..,data=acs) %>% compress
mytable(Dx~..,data=acs) %>% compress %>% ztable
mytable(Dx+sex~..,data=acs) %>% compress
```
**deleteRows**  
*Delete rows of class mytable object*

**Description**

Delete rows of class mytable object

**Usage**

`deleteRows(x, rows)`

**Arguments**

- `x`  
  An object of class mytable or cbind.mytable
- `rows`  
  rows to delete

---

**densityplot**  
*Make Kernel density plot*

**Description**

Make Kernel density plot

**Usage**

`densityplot(formula, data, main = "", xlab = "", ylab = "", ...)`

**Arguments**

- `formula`  
  an R model formula, of the form ~ variable to estimate the unconditional density of variable, or variable ~ factor to estimate the density of variable within each level of factor.
- `data`  
  an optional data frame containing the data.
- `main`  
  main title of plot
- `xlab`  
  label for the horizontal-axis; defaults to the name of the variable x.
- `ylab`  
  label for the vertical axis; defaults to "Density".
- `...`  
  arguments to be passed to plot

**Value**

This function return NULL invisibly and draw graphs.

**Examples**

```r
require(moonBook)
data(acs)
densityplot(age-~d, data=acs)
```
**extractHR**

*Extract hazard ratio from a data.frame*

**Description**

Extract hazard ratio from a data.frame

**Usage**

```r
extractHR(x, digits = 2)
```

**Arguments**

- `x`: an object of class coxph
- `digits`: An integer indicating the number of decimal places (round) or significant digits to be used. Default value is 2.

**Value**

A data.frame consist of hazard ratio and 95 the p values.

---

**extractKind**

*Extract kind of an object of class mytable*

**Description**

Extract kind of an object of class mytable

**Usage**

```r
extractKind(df)
```

**Arguments**

- `df`: An object of class mytable or cbind.mytable
extractOR

Extract the odds ratios from a S3 object of glm

Description

Extract the odds ratios from a S3 object of glm

Usage

extractOR(x, digits = 2, method = "default")

Arguments

x
A S3 object of glm
digits
An integer indicating the number of decimal places (round) or significant digits to be used. Default value is 2.
method
Method to compute confidence interval. Choices are one of c("default","LRT").

Value

A data.frame consist of odds ratios and 95 p values

getLabel

Add column labels to the data.frame

Description

Add column labels to the data.frame

Usage

getLabel(data, colname, use.column.label = TRUE)

Arguments

data
A data.frame
colname
character. column name
use.column.label
Logical. Whether or not use column labels.
getMapping

Description

extract variable name from mapping, aes

Usage

getMapping(mapping, varname)

Arguments

mapping aesthetic mapping
varname variable name to extract

Value

variable name in character

Examples

require(ggplot2)
mapping=aes(colour=sex)
getMapping(mapping,"colour")
getMapping(mapping,"x")

HRplot

Draw a hazard ratio plot

Description

Draw a hazard ratio plot

Usage

HRplot(out, type = 1, xlab = "", ylab = "", show.OR = TRUE,
show.CI = FALSE, sig.level = 1, cex = 1.2, lwd = 2, pch = 18,
col = NULL, ...)
Arguments

- **out**: an object of class coxph or a resultant data.frame of mycph function
- **type**: an integer indicating the type of plot. Default value is 1
- **xlab**: a title for the x axis
- **ylab**: a title for the y axis
- **show. OR**: a logical vector indicating whether or not show the text indicating the p value
- **show.CI**: a logical vector indicating whether or not show the text indicating the confidence interval
- **sig.level**: a numeric value of upper limit of p value of showing variables
- **cex**: A numerical value giving the amount by which plotting OR/HR symbols should be magnified relative to the default, defaulting 1.2.
- **lwd**: The line width, a positive number, defaulting to 2.
- **pch**: Either an integer specifying a symbol or a single character to be used as the default in plotting OR/HR points.
- **col**: A specification for the default plotting color.
- **...**: arguments to be passed to plot

Value

This function return NULL invisibly and draw graphs

Examples

```r
require(survival)
attach(colon)
colon$TS=Surv(time, status==1)
out=mycph(TS-, data=colon)
out
HRplot(out, type=1, pch=2, col=c("blue", "red"))
HRplot(out, type=2, show.CI=TRUE, pch=2, cex=2, main="Hazard ratios of all individual variables")
```

---

**my.chisq.test**

*Internal mytable functions*

Description

Internal mytable functions. These are not to be called by the user.

Usage

```r
my.chisq.test(x, y, mydata, catMethod = 2)
```
**my.t.test**

**Arguments**

- **x**  
  a vector
- **y**  
  a vector
- **mydata**  
  A data.frame
- **catMethod**  
  An integer indicating methods for categorical variables. Possible values in methods are:
  - 0: Perform chisq.test first. If warning present, perform fisher test
  - 1: Perform chisq.test without continuity correction
  - 2: Perform chisq.test with continuity correction
  - 3: perform fisher.test
  - 4: perform prop.trend test
  Default value is 2.

---

**my.t.test**  
*Internal mytable functions*

---

**Description**

Internal mytable functions. These are not to be called by the user

**Usage**

```r
my.t.test(y, x)
```

**Arguments**

- **y**  
  a vector
- **x**  
  a numeric vector

---

**mycph**  
*Perform coxph of individual expecting variables*

---

**Description**

Perform coxph of individual expecting variables

**Usage**

```r
mycph(formula, data, digits = 2)
```
Arguments

- **formula**: An object of class "formula". Left side of ~ must be a variable of class Surv and the right side of ~ must have variables in an additive way.
- **data**: A data.frame contains data for analysis.
- **digits**: An integer indicating the number of decimal places (round) or significant digits to be used. Default value is 2.

Value

A data.frame consist of hazard ratio and 95% confidence intervals and the p values.

Examples

```r
require(survival)
data(colon)
attach(colon)
colon$TS=Surv(time,status==1)
out=mycph(TS~.,data=colon)
out
HRplot(out,type=2,show.CI=TRUE,main="Hazard ratios of all individual variables")
```

---

**mycsv**

Export to csv file for class "mytable" or "cbind.mytable"

Description

Export to csv file for class "mytable" or "cbind.mytable"

Usage

mycsv(x, row.names = FALSE, ...)

Arguments

- **x**: An object of class "mytable" or "cbind.mytable"
- **row.names**: either a logical value indicating whether the row names of x are to be written along with x, or a character vector of row names to be written.
- **...**: further arguments passed to or from other methods.

Examples

```r
require(moonBook)
res=mytable(sex+age+DM,data=acs)
mycsv(res,file="test.csv")
mycsv(summary(res),file="testsummary.csv")
```
mycsv.cbind.mytable  

Export to csv file for class "cbind.mytable"

Description

Export to csv file for class "cbind.mytable"

Usage

### S3 method for class 'cbind.mytable'

mycsv(x, row.names = FALSE, ...)

Arguments

x  
An object of class "cbind.mytable" a result of a call to mytable

row.names  
either a logical value indicating whether the row names of x are to be written along with x, or a character vector of row names to be written.

...  
further arguments passed to or from other methods.

Examples

```r
require(moonBook)
res1=mytable(sex+dx+age+OM, data=acs)
mycsv(res1, file="test1.csv")
mycsv(summary(res1), file="testsummary1.csv")
```

---

mycsv.mytable  

Export to csv file for class "mytable"

Description

Export to csv file for class "mytable"

Usage

### S3 method for class 'mytable'

mycsv(x, row.names = FALSE, ...)

Arguments

x  
An object of class "mytable" a result of a call to mytable

row.names  
either a logical value indicating whether the row names of x are to be written along with x, or a character vector of row names to be written.

...  
further arguments passed to or from other methods.
**Examples**

```r
require(moonBook)
res=mytable(sex~age+DM,data=acs)
mycsv(res,file="test.csv")
mycsv(summary(res),file="testsummary.csv")
mycsv=function(x,row.names=FALSE) UseMethod("mycsv")
```

---

**myhtml**

*Export to html file for class "mytable" or "cbind.mytable" of "data.frame"*

---

**Description**

Export to html file for class "mytable" or "cbind.mytable" of "data.frame"

**Usage**

```r
myhtml(x, caption = NULL, rownames = TRUE)
```

## Default S3 method:
```r
myhtml(x, caption = NULL, rownames = TRUE)
```

## S3 method for class 'mytable'
```r
myhtml(x, caption = NULL, rownames = TRUE)
```

## S3 method for class 'cbind.mytable'
```r
myhtml(x, caption = NULL, rownames = TRUE)
```

**Arguments**

- **x**: An object of class "mytable" or "cbind.mytable"
- **caption**: A character
- **rownames**: A logical value whether or not include rownames in table

**Methods (by class)**

- default:
- mytable:
- cbind.mytable:
**myhtmlHead**

**Examples**

```r
require(moonBook)
res = mytable(sex + age + Dx, data = acs)
myhtml(res)
res1 = mytable(sex + Dx - , data = acs)
myhtml(res1)
x = head(iris)
myhtml(x)
myhtml(x, caption = "Table 1. myhtml Test")
myhtml(x, caption = "Table 1. myhtml Test", rownames = FALSE)
```

---

**myhtmlHead**

*Print my html style*

**Description**

Print my html style

**Usage**

```r
myhtmlHead()
```

---

**mylatex**

*Exporting "cbind.mytable","mytable" to LaTeX format*

**Description**

Exporting "cbind.mytable","mytable" to LaTeX format

**Usage**

```r
mylatex(myobj, size = 5, caption = NULL, caption.placement = "top",
caption.position = "c")

## Default S3 method:
mylatex(myobj, size = 5, caption = NULL,
caption.placement = "top", caption.position = "c")

## S3 method for class 'mytable'
mylatex(myobj, size = 5, caption = NULL,
caption.placement = "top", caption.position = "c")

## S3 method for class 'cbind.mytable'
mylatex(myobj, size = 5, caption = NULL,
caption.placement = "top", caption.position = "c")
```
Arguments
myobj An object of class 'mytable'
size An integer indicating font size, defaulting is 5.
caption A character
caption.placement
The caption will be have placed at the top of the table if caption.placement is "top" and at the bottom of the table if it equals "bottom". Default value is "top".
caption.position
The caption will be have placed at the center of the table if caption.position is "center" or "c", and at the left side of the table if it equals "left" or "l", and at the right side of the table if it equals "right" or "r". Default value is "center".

Methods (by class)
- default: Exporting "cbind.mytable","mytable" to LaTeX format
- mytable: Exporting "cbind.mytable","mytable" to LaTeX format
- cbind.mytable: Exporting "cbind.mytable","mytable" to LaTeX format

Examples
require(moonBook)
out=mytable(sex~.,data=acs)
mylatex(out)
out1=mytable(sex+Dx~.,data=acs)
mylatex(out1,size=6)

mytable Produce table for descriptive statistics

Description
Produce table for descriptive statistics by groups for several variables easily. Depending on the nature of these variables, different descriptive statistical methods were used(t-test, ANOVA,Kruskal-Wallis, chisq, Fisher,...)

Usage
mytable(x, ...)

## S3 method for class 'formula'
mytable(x, ...)

## S3 method for class 'data.frame'
mytable(x, ...)
mytable2

Arguments

x

An R object, formula or data.frame

... arguments to be passed to mytable_sub

Methods (by class)

• formula: S3 method for formula

• data.frame: S3 method for data.frame

Examples

mytable(acs)
mytable(~age+sex, data=acs)
mytable(Dx-age+sex+height+weight+TC+TG+HDLC, data=acs, method=3, digits=2)
mytable(am+cyl-, data=mtcars)
out=mytable(sex-, data=acs)
out
summary(out)
require(ztable)
ztable(out)
mytable(acs)

mytable2 Produce combined table for descriptive statistics

Description

Produce table for descriptive statistics by two grouping variables for several variables easily. Depending on the nature of these variables, different descriptive statistical methods were used (t-test, ANOVA, Kruskal-Wallis, chisq, Fisher,...)

Usage

mytable2(formula, data, use.labels = TRUE, use.column.label = TRUE,
max.ylev = 5, maxCatlevel = 20, digits = 2, method = 1,
catMethod = 2, show.all = FALSE, exact = FALSE, show.total = FALSE)

Arguments

formula An object of class "formula". Left side of ~ must contain two grouping variables in an additive way (e.g. sex+group-), and the right side of ~ must have variables in an additive way.

data A data.frame contains data for analysis

use.labels Logical. Whether or not use labels.

use.column.label Logical. Whether or not use column labels.
max.ylev  An integer indicating the maximum number of levels of grouping variable ('y'). If a column has unique values less than max.ylev it is treated as a categorical variable. Default value is 5.

maxCatLevel  An integer indicating the maximum number of unique levels of categorical variable. If a column has unique values more than maxCatLevel, categorical summarization will not be performed.

digits  An integer indicating the number of decimal places (round) or significant digits to be used. Default value is 1.

method  An integer indicating methods for continuous variables. Possible values in methods are
   1  forces analysis as normal-distributed
   2  forces analysis as continuous non-normal
   3  performs a Shapiro-Wilk test to decide between normal or non-normal
   Default value is 1.

catMethod  An integer indicating methods for categorical variables. Possible values in methods are
   0  Perform chisq.test first. If warning present, perform fisher test
   1  Perform chisq.test without continuity correction
   2  Perform chisq.test with continuity correction
   3  perform fisher.test
   4  perform prop.trend test
   Default value is 2.

show.all  A logical value indicating whether or not all statistical values have to be shown in table. Default value is FALSE.

exact  A logical value indicating whether or not permit call with approximate parameter. If true, only exact column name permitted. Default value is FALSE.

show.total  A logical value indicating whether or not show total group value. Default value is FALSE.

Value

An object of class "cbind.mytable"

mytable2df Convert mytable object to data.frame

Description

Add N number into data.frame

Usage

mytable2df(x)
mytableRhtml

Arguments

x

An object of class "mytable" a result of a call to mytable

Value

a data.frame with N number

mytable2html

Prepare mytable object to data.frame ready to html

Description

Add N number into data.frame

Usage

mytable2html(x)

Arguments

x

An object of class "mytable" a result of a call to mytable

Value

a data.frame with N number

mytable_df

make mytable from data.frame

Description

make mytable from data.frame

Usage

mytable_df(x, use.labels = TRUE, use.column.label = TRUE, max.ylev = 5,
maxCatLevel = 20, digits = 1, method = 1, show.all = FALSE)
Arguments

- **x**: A data.frame
- **use.labels**: Logical. Whether or not use labels.
- **use.column.label**: Logical. Whether or not use column labels.
- **max.ylev**: An integer indicating the maximum number of levels of grouping variable. If a columnn have unique values less than max.ylev it is treated as a categorical variable. Default value is 5.
- **maxCatLevel**: An integer indicating the maximum number of unique levels of categorial variable. If a columnn have unique values more than maxCatLevel, categorical summarization will not be performed.
- **digits**: An integer indicating the number of decimal places (round) or significant digits to be used. Default value is 1.
- **method**: An integer indicating methods for continuous variables. Possible values in methods are
  1. forces analysis as normal-distributed
  2. forces analysis as continuous non-normal
  3. performs a Shapiro-Wilk test to decide between normal or non-normal
  Default value is 1.
- **show.all**: A logical value indicating whether or not all statistical values have to be shown in table. Default value is FALSE.

Value

An object of class "mytable.df". 'print' returns a table for descriptive statistics.

Description

Produce table for descriptive statistics by groups for several variables easily. Depending on the nature of these variables, different descriptive statistical methods were used(t-test, ANOVA,Kruskal-Wallis, chisq, Fisher,...)

Usage

```r
mytable_sub(x, data, use.labels = TRUE, use.column.label = TRUE,
max.ylev = 5, maxCatLevel = 20, digits = 1, method = 1,
catMethod = 2, show.all = FALSE, exact = FALSE, show.total = FALSE)
```
Arguments

x  An object of class "formula". Left side of ~ must contain the name of one grouping variable or two grouping variables in an additive way (e.g. sex+group~), and the right side of ~ must have variables in an additive way.

data  A data.frame contains data for analysis

use.labels  Logical. Whether or not use labels.

use.column.label  Logical. Whether or not use column labels.

max.ylev  An integer indicating the maximum number of levels of grouping variable ('y'). If a column have unique values less than max.ylev it is treated as a categorical variable. Default value is 5.

maxCatLevel  An integer indicating the maximum number of unique levels of categorical variable. If a column have unique values more than maxCatLevel, categorical summarization will not be performed.

digits  An integer indicating the number of decimal places (round) or significant digits to be used. Default value is 1.

method  An integer indicating methods for continuous variables. Possible values in methods are
  1  forces analysis as normal-distributed
  2  forces analysis as continuous non-normal
  3  performs a Shapiro-Wilk test to decide between normal or non-normal

  Default value is 1.

  catMethod  An integer indicating methods for categorical variables. Possible values in methods are
  0  Perform chisq.test first. If warning present, perform fisher test
  1  Perform chisq.test without continuity correction
  2  Perform chisq.test with continuity correction
  3  perform fisher.test
  4  perform prop.trend test

  Default value is 2.

  show.all  A logical value indicating whether or not all statistical values have to be shown in table. Default value is FALSE.

  exact  A logical value indicating whether or not permit call with approximate parameter. If true, only exact column name permitted.Default value is FALSE.

  show.total  A logical value indicating whether or not show total group value. Default value is FALSE.

Value

An object of class "mytable". 'print' returns a table for descriptive statistics. 'summary' returns a table with all statistical values.
Description

Internal mytable functions These are not to be called by the user

Usage

num_summary(x)

Arguments

x a numeric vector

num_summary

Description

Internal mytable functions These are not to be called by the user

Usage

num_summary(x)

Arguments

x a numeric vector

num_summary

Description

Internal mytable functions These are not to be called by the user

Usage

num_summary(x)

Arguments

x a numeric vector
Internal mytable functions

These are not to be called by the user

**obj2linecount**

### Description

Internal mytable functions These are not to be called by the user

### Usage

```r
obj2linecount(myobj)
```

### Arguments

- `myobj` an R object

---

**orplot**

**Plot for odds ratios for a S3 object of glm**

### Description

Plot for odds ratios for a S3 object of glm

### Usage

```r
orplot(x, type = 1, xlab = "", ylab = "", show.OR = TRUE,
       show.CI = FALSE, sig.level = 1, cex = 1.2, lwd = 2, pch = 18,
       col = NULL, ...)
```

### Arguments

- `x` A S3 object of glm
- `type` an integer defining the shape of plots; default value is 1
- `xlab` label for the horizontal-axis; defaults to "Odds Ratios"
- `ylab` label for the vertical axis; defaults to "."
- `show.OR` A logical value; Whether or not show p values on plot
- `show.CI` A logical value; Whether or not show 95% CI values on plot
- `sig.level` A numeric value of upper limit of p value of showing variables
- `cex` A numerical value giving the amount by which plotting OR/HR symbols should be magnified relative to the default, defaulting 1.2.
- `lwd` The line width, a positive number, defaulting to 2.
- `pch` Either an integer specifying a symbol or a single character to be used as the default in plotting OR/HR points.
- `col` A specification for the default plotting color.
- `...` arguments to be passed to plot
Value

This function return NULL invisibly and draw graphs

Examples

```r
require(survival)
data(colon)
out1=glm(status~sex+age+rx+obstruct+node4,data=colon)
out2=glm(status~rx+node4,data=colon)
ORplot(out1,type=2,show.CI=TRUE,xlab="This is xlab",main="Main Title")
ORplot(out2,type=1,main="Main Title")
ORplot(out1,type=2,show.CI=TRUE,main="Main Title")
ORplot(out1,type=3,show.CI=TRUE,main="Main Title",sig.level=0.05)
ORplot(out1,type=3,show.CI=TRUE,main="Main Title",sig.level=0.05,
pch=1,cex=2,lwd=4,col=c("red","blue"))
```

ORplot.\textunderscore{}sub \hspace{1cm} \textit{A sub function for ORplot and HRplot}

Description

Plot for odds ratios for a S3 object of glm

Usage

```r
ORplot.\textunderscore{}sub(result, type = 1, xlab = "", ylab = "", show.OR = TRUE,
show.CI = FALSE, sig.level = 1, cex = 1.2, lwd = 2, pch = 18,
col = NULL, ...)
```

Arguments

- `result` A resultant data.frame of function extractOR
- `type` an integer defining the shape of plots; default value is 1
- `xlab` label for the horizontal-axis; defaults to "Odds Ratios"
- `ylab` label for the vertical axis; defaults to "".
- `show.OR` A logical value; Whether or not show p values on plot
- `show.CI` A logical value; Whether or not show 95% CI values on plot
- `sig.level` A numeric value of upper limit of p value of showing variables
- `cex` A numerical value giving the amount by which plotting OR/HR symbols should be magnified relative to the default, defaulting 1.2.
- `lwd` The line width, a positive number, defaulting to 2.
- `pch` Either an integer specifying a symbol or a single character to be used as the default in plotting OR/HR points.
- `col` A specification for the default plotting color.
- `...` Further arguments to be passed to plot
Value

This function return NULL invisibly and draw graphs

---

p2sig Internal mytable functions

Description

Internal mytable functions These are not to be called by the user

Usage

p2sig(value)

Arguments

value  a numeric vector

---

print.cbind.mytable Print function for class "cbind.mytable"

Description

Print function for class "cbind.mytable"

Usage

## S3 method for class 'cbind.mytable'
print(x, ...)

Arguments

x an object of class "cbind.mytable", a result of a call to cbind.mytable

... further arguments passed to or from other methods.
print.mytable  
*Print function for class "mytable"*

## Description
Print function for class "mytable"

## Usage
```r
## S3 method for class 'mytable'
print(x, ...)
```

## Arguments
- `x` An object of class "mytable", a result of a call to `mytable`
- `...` further arguments passed to or from other methods.

---

print.mytable.df  
*Print an object of mytable.df*

## Description
Print an object of mytable.df

## Usage
```r
## S3 method for class 'mytable.df'
print(x, ...)
```

## Arguments
- `x` An object of class mytable.df
- `...` Further arguments
printmytable2  Internal mytable functions

Description

Internal mytable functions These are not to be called by the user

Usage

printmytable2(obj, digits = 1)

Arguments

obj an object
digits an integer

r  Subfunction used in mylatex

Description

Subfunction used in mylatex

Usage

r(string)

Arguments

string a character vector

radial Demographic data of 115 patients performing IVUS(intravascular ultrasound) examination of a radial artery.

Description

A dataset containing demographic data and laboratory data of 115 patients performing IVUS(intravascular ultrasound) examination of a radial artery after transradial coronary angiography.
Format

A data frame with 115 rows and 15 variables:

- **male**: if Male, 1; if Female 0
- **age**: patient age in years
- **height**: height in centimeter
- **weight**: weight in kilogram
- **HBP**: history of hypertension, 1 for yes or 0 for no
- **DM**: history of diabetes mellitus, 1 for yes or 0 for no
- **smoking**: history of smoking, One of the followings: "non-smoker","ex-smoker","smoker"
- **TC**: total cholesterol level in mg/dL
- **TG**: triglyceride level in mg/dL
- **HDL**: high density lipoprotein cholesterol level in mg/dL
- **LDL**: low density lipoprotein cholesterol level in mg/dL
- **hsCRP**: high-sensitive C reactive protein
- **NTAV**: normalized total atheroma volume measured by IVUS in cubic mm
- **PAV**: percent atheroma volume in percentage
- **sex**: Factor with two levels; "Male" or "Female"

---

**rank2group**

*rank a numeric vector and returns a new ordinal vector*

Description

*rank a numeric vector and returns a new ordinal vector*

Usage

```
rank2group(y, k = 4)
```

Arguments

- **y**: a numeric vector
- **k**: a integer specifies how many groups you want to classify. default value is 4

Value

*a ordinal vector(numeric) with the same length of y*
**Examples**

```r
require(ggplot2)
data(diamonds)
diamonds$PriceGroup=rank2group(diamonds$price,4)
table(diamonds$PriceGroup)
aggregate(price~PriceGroup,data=diamonds,range)

diamonds$PriceGroup3=rank2group(diamonds$price,3)
table(diamonds$PriceGroup3)
aggregate(price~PriceGroup3,data=diamonds,range)
diamonds$PriceGroup5=rank2group(diamonds$price,5)
table(diamonds$PriceGroup5)
aggregate(price~PriceGroup5,data=diamonds,range)
```

---

**reprint**  
*Internal mytable functions*

**Description**

Internal mytable functions These are not to be called by the user

**Usage**

```r
reprint(x, times)
```

**Arguments**

- `x`  
a character vector
- `times`  
an integer

---

**space**  
*Internal mytable functions*

**Description**

Internal mytable functions These are not to be called by the user

**Usage**

```r
space(num)
```

**Arguments**

- `num`  
an integer
summary.cbind.mytable  Summarizing function for class "cbind.mytable"

Description
Summarizing function for class "cbind.mytable"

Usage
## S3 method for class 'cbind.mytable'
summary(object, ...)

Arguments

object          An object of class "cbind.mytable", a result of a call mytable

...        further arguments passed to or from other methods.

Examples
out=mytable(am+cyl-,data=mtcars)
summary(out)

summary.mytable  Summarizing function for class "mytable"

Description
Summarizing function for class "mytable"

Usage
## S3 method for class 'mytable'
summary(object, ...)

Arguments

object          An object of class "mytable", a result of a call mytable

...        further arguments passed to or from other methods.

Examples
out=mytable(am-,data=mtcars)
summary(out)
validColname

Find valid string among character vector from approximate string

Description
Find valid string among character vector from approximate string

Usage
validColname(pattern, x)

Arguments
pattern character string to be matched in the given character
x a character vector where matches are sought

Value
returns NA in case of no matched string found or a character string in string vector x

Examples
a="dx"
b=c("Age","Sex","Dx")
validColname(a,b)
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