Package 'EchoNet2Fish'

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colorVal

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Colors Based on Values

Description

Assign a range of unique colors based on values.

Usage

```
colorVal(x, n = 100, low = 4/6, high = 0/6)
```

Arguments

x	A numeric vector of values on which the colors are based.
n	A numeric scalar giving the number of unique colors in the palette, default 100.
low	A numeric scalar giving the hue in [0, 1] at which the color palette begins for low values, default 4/6 for blue.
high	A numeric scalar giving the hue in [0, 1] at which the color palette ends for high values, default 0 for red.

See Also

rainbow

Examples

```
rand <- rnorm(20)
plot(rand, rand, pch=16, col=colorVal(rand))</pre>
```

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combinecsv	Combine Several Comma Delimited Files into a Single Data Frame

Description

Combine all csv files in a given directory into a single data frame.

Usage

```
combinecsv(myDir, addSource = TRUE, column1name = "Region_ID")
```

Arguments

myDir A character scalar naming the directory in which the csv files are stored. Should

end in a forward slash, e.g., "C:/temp/". All the csv files should have the same

number of columns with the same header row of column names.

addSource A logical scalar indicating whether a new column, named "source", should be

added to the data frame identifying the source file, default TRUE.

column1name A character scalar assigning a name to the first column in the data frame (writing

over whatever name is there already), default "Region_ID".

Details

The column1name argument is needed to handle occasional problems with byte order marks at the beginning of the csv files, which can result in strange characters being added to the name of the first column. See, for example, this link.

Value

A data frame with the information from all the csv files combined.

dfPlot	Plot All Variables of a Data Frame	
--------	------------------------------------	--

Description

Plot all the variables of a data frame.

Usage

```
dfPlot(df, mcex = 1.2, cex = 0.8, ...)
```

df	A data frame to be plotted
mcex	A numeric scalar giving the amount by which plot titles will be magnified, default 1.2.
cex	A numeric scalar giving the amount by which plotting text and symbols will be magnified, default 0.8.
	Additional arguments to the par function.

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Details

An individual graph is generated for each variable. Barplots are drawn for factors, characters with up to 50 unique values, and numerics with up to 10 unique values. Otherwise finite values are plotted versus row number in df. An empty plot is drawnf for numerics with fewer than 2 finite values and characters with more than 50 unique values.

Examples

```
mydat <- data.frame(a=c(1:5, 10:15, 6:9),
b=as.factor(rep(c("cat", "dog", "frog", "cat", "dog"), 3)),
c=rep(c("a", "b", "a", "b"), 3),
stringsAsFactors=FALSE)
dfPlot(mydat)</pre>
```

dfSmry

Brief Summary of a Data Frame

Description

Brief summary of a data frame, number of unique and missing values.

Usage

```
dfSmry(df)
```

Arguments

df

A data frame to be summarized

Value

A matrix with a row for each variable (column) in df and three columns: no.unique the number of unique values, no.entered the number of rows in df with non-missing values, and no.missing the number of rows in df with missing values.

Examples

```
mydat <- data.frame(a=c(1, 1, NA, 2, 2),
b=as.factor(c("cat", "dog", "frog", "", "dog")),
c=c("a", "", "a", "b"),
stringsAsFactors=FALSE)
dfSmry(mydat)</pre>
```

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dfTidy

Tidy Up a Data Frame

Description

Tidy up a data frame with respect to missing values, internal quotes, and white space.

Usage

```
dfTidy(df, missNums = c(-9999, -999.9, -999, 999, 9999), missChars = c("NA", "NULL", "."))
```

Arguments

df A data frame to be tidied.

missNums A numeric vector of numbers representing missing values in df, default c(-9999,

-999.9, -999, 999, 9999).

missChars A character vector of strings representing missing values in df, default c("NA",

"NULL", ".", " ", " ").

Details

Missing values in df are replaced with NA for numeric vectors and "" for character vectors. Internal quotes and leading and trailing white space in character vectors are removed. Attempt is made to convert any character vectors of numbers to numeric.

Value

A tidied version of the original data frame.

Examples

```
mydat <- data.frame(a=c(1, 2, -999, 4, 5),
b=as.factor(c("cat ", " dog", "frog", ".", " ant")),
c=c("1.2", "NULL", "3.4", "5.6", "7.8"),
stringsAsFactors=FALSE)
dfTidy(mydat)</pre>
```

EchoEnv

EchoNet2Fish Package Local Environment

Description

An environment local to the EchoNet2Fish package, used to hold objects outside of the individual package functions

Format

An environment.

6 exploreACMT

Source

Post from Hadley Wickham to r-help on 2 Dec 2014 [link].

Description

Write and close an rtf (rich text format) document.

Usage

```
endrtf(rtf = doc, details = FALSE, ...)
```

Arguments

rtf An rtf object, default doc.

details Logical scalar indicating if session details should be added to the end of the

document, default FALSE.

... Additional parameters to addPageBreak.

References

This is a copy of the endrtf function from the [GLFC] package.

See Also

startrtf for an example, heading, para, tabl, figu, RTF, addPageBreak.

exploreACMT	Explore Acoustic and Midwater Trawl Data

Description

Explore acoustic and midwater trawl data.

Usage

```
exploreACMT(maindir, rdat = "ACMT", AC = TRUE, MT = TRUE, ageSp = NULL)
```

maindir	A character scalar giving the directory where output will be placed. Use forward slashes, e.g., "C:/temp/".
rdat	A character scalar giving the name of the RData file in maindir with the acoustic and midwater trawl data, typically the output from readAll.
AC	A logical scalar indicating if you want to explore the acoustic data, default TRUE.
MT	A logical scalar indicating if you want to explore the midwater trawl data, default TRUE.
ageSp	A numeric vector giving the species codes for species for which age-length keys should be used, default NULL.

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Details

A rich text file (rtf) with a *.doc file extension (so that it will be opened with Word by default) is saved to maindir.

figu

Add a Figure to an RTF Document

Description

Add a figure to an rtf (rich text format) document.

Usage

```
figu(..., FIG = fig, rtf = doc, figid = "Figure ",
  fign = EchoEnv$figcount, boldt = TRUE, capunder = TRUE, w = NULL,
  h = NULL, rf = 300, newpage = "none", omi = c(1, 1, 1, 1))
```

Arguments

•••	One or more character scalars (separated by commas) of text to use for the figure caption.
FIG	A function to create a figure which will be added to the document, default fig.
rtf	An rtf object, default doc.
figid	Character scalar of caption identifier, default "Figure ".
fign	Numeric scalar of figure number to use in caption, default EchoEnv\$figcount.
boldt	Logical scalar indicating if figure number should use bold font, default TRUE.
capunder	Logical scalar indicating if caption should appear under the figure (TRUE, the default) or on top of the figure (FALSE).
W	Numeric scalar width of figure in inches, default 6.5.
h	Numeric scalar height of figure in inches, default 8.
rf	Numeric scalar resolution of figure, default 300.
newpage	Character scalar indicating if the figure should start on a new page in the document "port" for a new portrait page, "land" for a new landscape page, and "none" for no new page (the default).
omi	Numeric vector, length 4, width of document page margins in inches (bottom, left, top, right), default $c(1, 1, 1, 1)$.

Details

The figure and caption are written to the rtf file. The size of a new page is assumed to be 8.5 by 11 inches.

Value

A 1 is added to the numeric vector of length 1, EchoEnv\$figcount, stored in the working directory to keep track of the number of figures written to the rtf document, and label the captions accordingly.

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References

This is a copy of the figu function from the [GLFC] package.

See Also

```
startrtf for an example, heading, para, tabl, endrtf, RTF.
```

getpkgs

Get Packages

Description

Installs (if necessary) and attaches the specified packages.

Usage

```
getpkgs(want, ...)
```

Arguments

want A character vector of package names.
... Additional arguments to library.

References

This is a copy of the getpackages function from the [jvamisc] package.

heading

Add a Heading to an RTF Document

Description

Add a text heading to an rtf (rich text format) document.

Usage

```
heading(words, htype = 1, rtf = doc)
```

Arguments

words Character scalar text of heading to add to document.

htype Integer scalar heading type, 1=bold and font size 12, 2=bold and font size 10,

3=italics and font size 10, default 1.

rtf An rtf object, default doc.

Details

The specified heading is written to the rtf file.

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References

This is a copy of the heading function from the [GLFC] package.

See Also

startrtf for an example, para, tabl, figu, endrtf, RTF.

|--|

Description

A vector with the names of the five Great Lakes.

Format

A character vector, length 5.

Description

Draw a map using different colored symbols for data exploration purposes.

Usage

```
mapSymbols(lat, long, colorz, main = "", pch = 1, cex = 1.5, xla = 0,
   yla = xla)
```

lat	A numeric vector of latitudes in decimal degrees.
long	A numeric vector of longitudes in decimal degrees. Same length aslat.
colorz	A vector of character or numeric colors to use, either of length 1 or the same length as lat and long.
main	A character scalar of the main title of the plot, default "".
pch	A vector of plotting characters or symbols, either of length 1 or the same length as lat and long, default 1. See points.
cex	A numeric vector giving the amount by which plotting characters and symbols should be scaled relative to the default, either of length 1 or the same length as lat and long, default 1.5.
xla	A numeric scalar giving an added margin of decimal degrees to be mapped beyond the range of longitudes in long, default 0.
yla	A numeric scalar giving an added margin of decimal degrees to be mapped beyond the range of latitudes in lat, default xla.

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Details

The column1name argument is needed to handle occasional problems with byte order marks at the beginning of the csv files, which can result in strange characters being added to the name of the first column. See, for example, this link.

Examples

```
## Not run:
latitude <- c(43.25, 45.73, 45.71, 44.84)
longitude <- c(-82.30, -80.85, -84.03, -80.39)
basincode <- c(1, 2, 1, 2)
mapSymbols(lat=latitude, long=longitude, colorz=basincode+3, pch=16, xla=0.4)
## End(Not run)</pre>
```

mapText

Add Text to a Map

Description

Add identifying text to a map based on a single grouping variable.

Usage

```
mapText(lat, long, group, cex = 1.5, ...)
```

Arguments

lat	A numeric vector of latitudes in decimal degrees.
long	A numeric vector of longitudes in decimal degrees. Same length aslat.
group	A character or numeric vector of group identifiers, the same length as lat and long.
cex	A numeric scalar giving the amount by which plotting characters should be scaled relative to the default, default 1.5.
	Additional arguments to text.

Details

Group identifiers are added to a map, typically created with mapSymbols, at the midpoint of the range of each groups' latitudes and longitudes

Examples

```
## Not run:
latitude <- c(43.25, 45.73, 45.71, 44.84)
longitude <- c(-82.30, -80.85, -84.03, -80.39)
basincode <- c(1, 2, 1, 2)
basin <- c("Main", "GBay", "Main", "GBay")
mapSymbols(lat=latitude, long=longitude, colorz=basincode+3,</pre>
```

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```
pch=16, xla=0.4)
mapText(lat=latitude, long=longitude, group=basin)
## End(Not run)
```

midpoint

Midpoint Between the Minimum and the Maximum

Description

Calculate the midpoint between the minimum and the maximum of a vector.

Usage

```
midpoint(x)
```

Arguments

Χ

A numeric vector.

Value

A numeric scalar representing the midpoint between the minimum and the maximum of x, ignoring missing values.

Examples

```
midpoint(c(10:20, 90))
```

para

Add a Paragraph to an RTF Document

Description

Add a paragraph to an rtf (rich text format) document.

Usage

```
para(..., rtf = doc, bold = FALSE, italic = FALSE)
```

Arguments

italic

•••	One or more character scalars (separated by commas) of text to add to document as a single paragraph.
rtf	An rtf object, default doc.
bold	Logical scalar indicating if paragraph should use bold font, default FALSE.

Logical scalar indicating if paragraph should use italic font, default FALSE.

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Details

The specified heading is written to the rtf file.

References

This is a copy of the para function from the [GLFC] package.

See Also

```
startrtf for an example, heading, tabl, figu, endrtf, RTF.
```

plotAgeLen

Plot Age-Length Key

Description

Plot age-length key as a bubble plot.

Usage

```
plotAgeLen(m, inc = 0.3, zeroes = 4, fg = "red", bg = NA, ...)
```

Arguments

m	A numeric matrix of counts or relative frequencies with the two dimensions representing ages and lengths.
inc	A numeric scalar giving the radius (in inches) of the bubble representing the largest value in m, default 0.3.
zeroes	A scalar giving the symbol to be used for plotting zeroes, default 4. See the argument pch of the points function for possible values and their interpretation.
fg	A scalar giving the color the circles are to be drawn in.
bg	A scalar giving the color the circles are to be filled with. The default, NA, leaves the symbols unfilled.
	Additional arguments to plot.

Details

The matrix m can have ages in rows and lengths in columns or vice versa. In either case, unique row values are plotted along the x-axis, unique column values are plotted along the y-axis.

Values in the matrix m are represented as circles, with zero values represented by black dots.

Examples

```
mymat <- matrix(c(10, 1, 0, 0, 5, 0, 0, 3, 2, 0, 0, 1), nrow=3,
  dimnames=list(age=1:3, len=seq(25, 55, 10)))
plotAgeLen(mymat, inc=1)
plotAgeLen(t(mymat), xlab="Length", ylab="Age")</pre>
```

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plotIntLay	Plot Acoustic Survey Data using Different Colored Symbols	

Description

Plot acoustic survey data, interval vs. layer, using different colored symbols for data exploration purposes. Place multiple group-specific plots on one page, using the same x- and y-scales.

Usage

```
plotIntLay(interval, layer, group, grouporder = sort(unique(group)), colorz,
  main = "")
```

Arguments

interval layer	A numeric vector of intervals along the length of an acoustic transect. A numeric vector of layers from surface to bottom along the vertical water column of an acoustic transect, all values should be <= 0, the same length as interval.
group	A vector of group identifiers, the same length as interval.
grouporder	A vector of unique group identifiers, providing the order that each group will be plotted, the same length as unique(group), default sort(unique(group)).
colorz	A vector of character or numeric colors to use, the same length as interval.
main	A character scalar of the main title of the plot, default "".

Details

The column1name argument is needed to handle occasional problems with byte order marks at the beginning of the csv files, which can result in strange characters being added to the name of the first column. See, for example, this link.

plo	tSpecies	Plot Boxplots of Continuous Data by Species

Description

Boxplots of species versus continuous data on the square root scale.

Usage

```
plotSpecies(y, ylabb, x = Species, uniqSp = sort(unique(x)))
```

У	A numeric vector of data to plot against species, the same length as x.
ylabb	A character scalar of the y-axis label.
X	A vector (can be numeric, character, or factor) identifying species, default Species.
uniqSp	A vector of unique species, a subset of x, default sort(unique(x)).

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plotValues	Test for and Plot Errors in Acoustic Survey Values	

Description

Test for and plot errors in acoustic survey data, based on reported lows, highs, and in-between values.

Usage

```
plotValues(low, high, between, lowhighKnown = FALSE, varname = "Varname",
  test = FALSE, ...)
```

Arguments

low A numeric vector of low values.

high A numeric vector of high values, the same length as low.

between A numeric vector of in between values, the same length as low.

lowhighKnown A logical scalar indicating whether the vector representing the lows and the

vector representing the highs are known, default FALSE. If FALSE, the low (and high) value is calculated as the elementwise minimum (and maximumu) of

the three vectors, low, high, and between.

varname A character scalar identifying what the values represent, used as the y-axis label

if test=FALSE, default "Varname".

test A logical scalar indicating whether to conduct a test for errors (TRUE) or to

draw a plot of the results (FALSE, the default).

... Additional arguments to plot.

Value

If test = TRUE, a logical scalar is returned indicating whether there were errors in the values (TRUE) or not (FALSE). If test = FALSE, a figure is drawn, but no value is returned.

readAll Read in All the Data Corresponding to a Specified Reference Row

Description

Read in all the acoustic and midwater trawl data corresponding to the specified row or a reference csv file. Save the data as objects in an RData file.

Usage

```
readAll(refdir, keyvals, keyvars = c("LAKE", "YEAR"), rdat = "ACMT",
  refcsv = "Reference")
```

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Arguments

refdir	A character scalar giving the directory in which the reference csv file, ref, is located.
keyvals	A vector giving the values of keyvars to identify a single row of the reference csv file, ref.
keyvars	A character vector giving the names of columns in the reference csv file, ref, that will be used to identify a single row, default c("LAKE", "YEAR").
rdat	A character scalar giving the name of the RData file that will be saved containing all of the objects corresponding to the selected row of the reference csv file, ref, default "ACMT".
refcsv	A character scalar giving the name of the reference csv file, ref, default "Refer-

- ence". The csv file must have the following 10 columns:
 - subdir = a subdirectory of refdir containing all the other subdirectories and files,
 - svsubdir = the Sv subdirectory,
 - tssubdir = the TS subdirectory,
 - optropf = the midwater trawl operations file,
 - treatchf = the midwater trawl catch file,
 - trlff = the midwater trawl lengths file,
 - keysp1 = the species code for keyfile1,
 - keyfile1 = the age length csv file for specieskeysp1,
 - keysp2 = the species code for keyfile2,
 - keyfile2 = the age length csv file for specieskeysp2.

There should also be additional columns for keyvars.

Details

The acoustic and midwater trawl data corresponding to the selected row of the reference csv file are read in and saved as objects in the specified RData file, in subdir.

readSVTS

Read in Sv or TS Data from Echoview

Description

Read in Sv (volume backscattering strength) or TS (single target frequencies) data from Echoview csv files and combine into a single data frame.

Usage

```
readSVTS(svtsdir, oldname = NULL, newname = NULL, elimMiss = NULL,
  datevars = c("Date_S", "Date_E", "Date_M"), addyear = TRUE, tidy = TRUE)
```

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Arguments

svtsdir	A character scalar giving the directory in which the csv files are located.
oldname	A character vector giving the original names of variables to be renamed, default NULL.
newname	A character vector giving the new names of variables to be renamed, default NULL.
elimMiss	A character vector giving the names of variables which must have nonmissing values. All rows with a missing value for any of these variables will be eliminated, default NULL.
datevars	A character vector giving the names of variables with date information stored as YYYYMMDD, default c("Date_S", "Date_E", "Date_M"). These will be converted to R dates.
addyear	A logical scalar indicating if a year variable should be added to the data frame, based on the first variable named in datevars, default TRUE.
tidy	A logical scalar indicating if the data frame should be tidied using dfTidy, default TRUE.

Details

In addition to changing names, eliminating missing values, generating dates and years, and tidying the data (as specified by the function arguments), any variable names starting with "X." and ending with a number are changed to ensure the number part of the name is rounded to the nearest whole number.

Value

A data frame with the all rows of the csv files in svtsdir combined.

recode Recode Values	
----------------------	--

Description

Assign new values to a vector.

Usage

```
recode(x, old, new, must.match = FALSE)
```

Х	A vector whose values will be recoded, can be character, numeric, or factor.
old	A vector of the unique values currently in the vector.
new	A vector of values which should replace the current ones.
must.match	A logical scalar indicating whether only those elements of the original vector with values in old should be returned (TRUE), or all values should be returned (FALSE, default) though some may be unchanged.

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Value

A vector the same length as x (unless must.match=TRUE), with old values replaced by new values.

References

This is a copy of the recode function from the [jvamisc] package.

Examples

```
\label{eq:code} $$\operatorname{recode}(c(1,1,1,2,3,4,1,10,3),\ 1:3,\ 1001:1003)$$$ $$\operatorname{recode}(c(1,1,1,2,3,4,1,10,3),\ 1:3,\ 1001:1003,\ must.match=TRUE)$$
```

sliceCat

Categorize Observations as Slices for Matching Acoustic Densities and Trawl Catches

Description

Categorize observations as spatial slices for matching fish densities estimated from acoustic transects and speciec compositions estimated from midwater trawl catches.

Usage

```
sliceCat(sliceDef, fdp = NULL, bdp = NULL, lat = NULL, reg = NULL)
```

Arguments

sliceDef	A list of at least two named sub-lists defining the slices into which observations will be classified. Each sub-list contains one or more named numeric vectors of length two, identifying the parameter (the name of the vector) and the range of values that contribute to the slice definition. Each interval is closed on the left and open on the right (see Details). The name of each sub-list is the name of the slice to be assigned. See Examples.
fdp	A numeric vector of fishing depths (the distance from the surface of the water to the depth of a fish in the water) corresponding to the observations which are to be categorized into slices. Only necessary if required by sliceDef, default NULL. default
bdp	A numeric vector of bottom depths (the distance from the surface of the water to the substrate) corresponding to the observations which are to be categorized into slices. Only necessary if required by sliceDef, default NULL.
lat	A numeric vector of latitudes corresponding to the observations which are to be categorized into slices. Only necessary if required by sliceDef, default NULL.
reg	A character vector of regions corresponding to the observations which are to be categorized into slices. Only necessary if required by sliceDef, default NULL.

Details

Each interval of sliceDef is closed on the left and open on the right. In other words, if you assign an interval of fdp=c(10, 20), observations >= 10 and < 20 will be considered for inclusion in that slice. All observation variables (fdp, bdp, lat, lat), if not NULL, must be the same length.

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Value

A character vector the same length as the observations variables (fdp, bdp, lat, reg), identifying the slice to which each observation belongs.

Examples

```
myslicedef <- list(
  epiNear = list( fdp=c(0,   4), bdp=c(0,  6) ),
  epiOff = list( fdp=c(0,  4), bdp=c(6, Inf) ),
  hypo = list( fdp=c(4, Inf) )
)
fishingD <- 1:7
bottomD <- c(2, 10, 4, 12, 6, 14, 8)
slice <- sliceCat(myslicedef, fdp=fishingD, bdp=bottomD)
data.frame(fishingD, bottomD, slice)</pre>
```

startrtf

Create an RTF Document

Description

Create an rtf (rich text format) document.

Usage

```
startrtf(file = NULL, dir = getwd(), width = 8.5, height = 11, omi = c(1, 1, 1, 1), quiet = FALSE)
```

Arguments

file	Character scalar name of document, default "RGeneratedDocument" with Sys.Date() suffix.
dir	Character scalar name of directory where document should be stored, default getwd().
width	Numeric scalar width of document page in inches, default 8.5.
height	Numeric scalar height of document page in inches, default 11.
omi	Numeric vector, length 4, width of document page margins in inches (bottom, left, top, right), default $c(1, 1, 1, 1)$.
quiet	Logical scalar indicating if name of new rtf document should be printed to command line, default FALSE.

Details

The rtf file may be written to until the endrtf() function is run. If you assign your rtf file to an object called doc, you can use the default settings in other GLFC rtf functions.

Value

An rtf file is created in the specified directory. An object of class rtf is created. This object is referred to in other functions to write to the file. In addition, two numeric vectors of length 1, tabcount and figcount, are written to the working directory to keep track of the number of tables and figures written to the rtf document, and label the captions accordingly.

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References

This is a copy of the startrtf function from the [GLFC] package.

See Also

```
heading, para, tabl, figu, endrtf, RTF.
```

Examples

```
## Not run:
# open a Word-friendly rtf file
today <- Sys.Date()</pre>
doc <- startrtf(file=paste("Example", today))</pre>
# add headings
heading("Title")
heading(paste("Author", today, sep=" - "), 2)
# add a paragraph
para("This is how write a paragraph.")
# reference a table
para("This is how you reference a table (Table ", EchoEnv$tabcount, ").")
# add the table
tab <- matrix(sample(20), ncol=5,</pre>
dimnames=list(paste("Row", 1:4), paste("Column", 1:5)))
tabl("A silly table.")
# reference a figure
para("And this is how you reference a figure (Figure ",
EchoEnv$figcount, ").")
# add the figure
fig <- function() {</pre>
 par(mar=c(4, 4, 1, 1))
 plot(1:10, 1:10, xlab="X", ylab="Y")
figu("A silly plot.", h=4, w=4)
# save the rtf file
endrtf()
## End(Not run)
```

tabl

Add a Table to an RTF Document

Description

Add a table to an rtf (rich text format) document.

Usage

```
tabl(..., TAB = tab, rtf = doc, fontt = 8, row.names = TRUE,
  tabc = EchoEnv$tabcount, boldt = TRUE, newpage = "none", omi = c(1, 1,
  1, 1))
```

20 tabl

Arguments

... One or more character scalars (separated by commas) of text to use for the table

caption.

TAB A matrix, data frame, or table to be added to the document as a table, default

tab.

rtf An rtf object, default doc.

fontt Numeric scalar font size for table caption, default 8.

row.names Logical scalar whether to include the row.names of TAB in the table, default

TRUE.

Numeric scalar table number to use in caption, default EchoEnv\$tabcount.boldt Logical scalar indicating if table number should use bold font, default TRUE.

Character scalar indicating if the table should start on a new page in the document "port" for a new portrait page, "land" for a new landscape page, and "none"

for no new page (the default).

omi Numeric vector, length 4, width of document page margins in inches (bottom,

left, top, right), default c(1, 1, 1, 1).

Details

newpage

The table and caption are written to the rtf file. The size of a new page is assumed to be 8.5 by 11 inches.

Value

A 1 is added to the numeric vector of length 1, EchoEnv\$tabcount, stored in the working directory to keep track of the number of tables written to the rtf document, and label the captions accordingly.

References

This is a copy of the tabl function from the [GLFC] package.

See Also

startrtf for an example, heading, para, figu, endrtf, RTF.

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