

Package ‘HarpR’

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Type Package

Title A selection of useful functions used within analysis.

Version 0.1.0

Author Michael Harper

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Description More about what it does (maybe more than one line)
Use four spaces when indenting paragraphs within the Description.

License What license is it under?

Imports magrittr

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

R topics documented:

createDirectory	1
deleteSymbols	2
findParentDirectory	2
loadRequiredPackages	3
outputMessage	3
percent	4
projFilePath	4
RmdWords	5
sourceProjScript	5
tidyNum	6

Index	7
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createDirectory	<i>Create a new directory</i>
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Description

Checks if the directory exists. If not, it is created. The function returns the directory file path.

Usage

```
createDirectory(directory)
```

Arguments

directory A filepath to a directory

Value

The filepath of the directory

deleteSymbols	<i>Function deletes any symbols from the inserted dataframe</i>
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Description

Function deletes any symbols from the inserted dataframe

Usage

```
deleteSymbols(vector)
```

Arguments

vector an input vector

Value

A vector with no ASCII symbols

findParentDirectory	<i>Find the path to Parent Directory</i>
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Description

Equivalent of `mh_findParentDirectory`. Is useful for running a project across multiple computers where the project is stored in different directories.

Usage

```
findParentDirectory(Parent)
```

Arguments

Parent the name of the directory to which the function should track back. Should be the root of the GitHub repository

Author(s)

Mikey Harper, <m.harper@soton.ac.uk>

loadRequiredPackages *Installs and loads packages*

Description

myRequiredPackages checks whether the package is already installed, installing those which are not preinstalled. All the libraries are then load.

Usage

```
loadRequiredPackages(..., repository = "https://cran.ma.imperial.ac.uk/")
```

Arguments

...	A list of packages
repository	The repository to load functions from. Defaults to "https://cran.ma.imperial.ac.uk/"

Details

Especially useful when running on virtual machines where package installation is not persistent (Like UoS sve). It will fail if the packages need to be installed but there is no internet access

Author(s)

Luke Blunden, <lsb@soton.ac.uk> (original) Michael Harper <m.harper@soton.ac.uk> (revised version)

outputMessage *Concatenate vectors after converting to character and print message*

Description

Display a message in the output. Equivalent to print(paste(c(...)))

Usage

```
outputMessage(..., collapse = NULL)
```

Arguments

...	one or more R objects, to be converted to character vectors.
collapse	an optional character string to separate the results. Not NA_character_.

Author(s)

Mikey Harper, <m.harper@soton.ac.uk>

percent	Returns a percentage value of a decimal
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Description

Returns a percentage value of a decimal

Usage

```
percent(x, digits = 0, ...)
```

Arguments

x	the string
digits	number of decimal places
...	arguments passed to format.

projFilePath	Creates a file path within the project
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Description

Adaptation to the \@codefile.path function to include the project parent directory file path. Construct the path to a file from components in a platform-independent way.

Usage

```
projFilePath(root, ..., fsep = .Platform$file.sep)
```

Arguments

root	the name of the root project directory
...	character vectors
fsep	the path separator to use

Author(s)

Mikey Harper, <m.harper@soton.ac.uk>

RmdWords*Counts the number of words within an RMarkdown document*

Description

Counts the words within an RMarkdown document. Ignores any code within the document. Any content between the tags `<!--TC:ignore-->` `<!--TC:endignore-->` won't be included within the wordcount

Usage

```
RmdWords(file)
```

Arguments

file	The path to the RMarkdown document
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sourceProjScript*Sources a file path within the project*

Description

Adaptation to the `file.path` function to include the project parent directory file path. Construct the path to a file from components in a platform-independent way.

Usage

```
sourceProjScript(root, ..., fsep = .Platform$file.sep)
```

Arguments

root	the name of the root project directory
...	character vectors
fsep	the path separator to use

Author(s)

Mikey Harper, `<m.harper@soton.ac.uk>`

tidyNum	<i>Tidy long numbers</i>
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Description

ba_tidyNum reformats long numbers to include commas and prevents scientific formats

Usage

```
tidyNum(number)
```

Arguments

number	an input number or list
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Author(s)

Ben Anderson, <banderson@soton.ac.uk>

Index

createDirectory, [1](#)
deleteSymbols, [2](#)
findParentDirectory, [2](#)
loadRequiredPackages, [3](#)
outputMessage, [3](#)
percent, [4](#)
projFilePath, [4](#)
RmdWords, [5](#)
sourceProjScript, [5](#)
tidyNum, [6](#)