Package ‘learnrbook’

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Description


Details

Package 'learnr' is a companion to the book "Learn R ...as you learnt your mother tongue" by Pedro J. Aphalo, available at http://leanpub.com/learnr. This package supplies a list of all the packages used in the book. It also contains all the original data sets used in the book.

Author(s)

Maintainer: Pedro J. Aphalo <pedro.aphalo@helsinki.fi>

See Also

Useful links:

- https://leanpub.com/learnr
- http://www.r4photobiology.info/
- Report bugs at https://bitbucket.org/aphalo/learnr-pkg/issues
clean1000.df

Subset of RNAseq gene expression data

**Description**

A data set containing the results from the analysis of data from RNAseq. Subset of 1000 genes.

**Usage**

clean1000.df

**Format**

A data.frame with 5 columns and row names.

**Details**

The variables are as follows:

- logFC (numeric)
- logCPM (numeric)
- LR (numeric)
- Pvalue (numeric)
- outcome (-1, 0, +1)

**Note**

Original data.

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clean5000.df

Subset of RNAseq gene expression data

**Description**

A data set containing the results from the analysis of data from RNAseq. Subset of 5000 genes.

**Usage**

clean5000.df

**Format**

A data.frame with 5 columns and row names.
Details

The variables are as follows:

- logFC (numeric)
- logCPM (numeric)
- LR (numeric)
- Pvalue (numeric)
- outcome (-1, 0, +1)

Note

Original data.

---

pkgs_all

*Packages used in book "Learn R ...as you learnt your mother tongue"

Description

Character vector of package names for whole book.

Usage

pkgs_all

Format

A vector of character strings.

Examples

pkgs_all
pkgs_at_github

---

*pkgs_at_github*  
*Packages used in book "Learn R ...as you learnt your mother tongue"*

**Description**

Character vector of package used in the book, which at the time of writing are available only from Github.

**Usage**

`pkgs_at_github`

**Format**

A vector of character strings.

**Examples**

`pkgs_at_github`

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pkgs_ch_data

---

*pkgs_ch_data*  
*Packages used in book "Learn R ...as you learnt your mother tongue"*

**Description**

Character vector of package names for chapter "Storing and manipulating data with R".

**Usage**

`pkgs_ch_data`

**Format**

A vector of character strings.

**Examples**

`pkgs_ch_data`
### pkgs_ch_ggplot

**Description**

Character vector of package names for chapter "Plots with ggpplot".

**Usage**

pkgs_ch_ggplot

**Format**

A vector of character strings.

**Examples**

pkgs_ch_ggplot

### pkgs_ch_ggplotext

**Description**

Character vector of package names for chapter "Extensions to ggplot".

**Usage**

pkgs_ch_ggplotext

**Format**

A vector of character strings.

**Examples**

pkgs_ch_ggplotext
pkgs_ch_maps_raster

Description
Character vector of package names for chapter "Plotting maps and images".

Usage
pkgs_ch_maps_raster

Format
A vector of character strings.

Examples
pkgs_ch_maps_raster

pkgs_ch_performance

Description
Character vector of package names for chapter "If and when R needs help".

Usage
pkgs_ch_performance

Format
A vector of character strings.

Examples
pkgs_ch_performance
Viikki_d29.dat Wind direction and speed data

Description
A data set containing wind speed and direction measured in Viikki, Helsinki, Finland with a Vaisala Weather Transmitter WXT530 (sonic anemometer) during 2016-07-29 at 1 min interval.

Usage
viikki_d29.dat

Format
A tibble with 3 columns and 1440 rows.

Details
The variables are as follows:

• solar_time (yyyy-mm-dd hh:mm:ss)
• WindDir_D1_WVT (degrees)
• WindSpd_S_WVT (m/s)

Note
Quantum Devices produces both individual LEDs and luminaires. http://www.quantumdev.com/

Examples
names(viikki_d29.dat)
viikki_d29.dat
Index

*Topic datasets
  clean1000.df, 3  
clean5000.df, 3  
pkgs_all, 4  
pkgs_at_github, 5  
pkgs_ch_data, 5  
pkgs_ch_ggplot, 6  
pkgs_ch_ggplotext, 6  
pkgs_ch_maps_raster, 7  
pkgs_ch_performance, 7  
viiikki_d29.dat, 8

learnrbook (learnrbook-package), 2  
learnrbook-package, 2

pkgs_all, 4  
pkgs_at_github, 5  
pkgs_ch_data, 5  
pkgs_ch_ggplot, 6  
pkgs_ch_ggplotext, 6  
pkgs_ch_maps_raster, 7  
pkgs_ch_performance, 7  
viiikki_d29.dat, 8