

Package ‘learnrbook’

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Type Package

Title Datasets for Aphalo's ``Learn R" Book

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Description Datasets used in the book ``Learn R ...as you learnt your mother tongue" by Pedro J. Aphalo (2017) <<https://leanpub.com/learnr>>.

License GPL (>= 2)

LazyLoad yes

LazyData yes

ByteCompile yes

Depends R (>= 3.3.0)

Suggests roxygen2 (>= 6.0.1), knitr (>= 1.15.1), devtools (>= 1.12.0),
rmarkdown (>= 1.5)

URL <https://leanpub.com/learnr>, <http://www.r4photobiology.info/>

BugReports <https://bitbucket.org/aphalo/learnr-pkg/issues>

Encoding UTF-8

VignetteBuilder knitr

RoxygenNote 6.0.1

NeedsCompilation no

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Repository CRAN

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learnrbook-package *learnrbook: Datasets for Aphalo's "Learn R" Book*

Description

Datasets used in the book "Learn R ...as you learnt your mother tongue" by Pedro J. Aphalo (2017) <<https://leanpub.com/learnr>>.

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)

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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.

`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`*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`

`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

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

Description

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

Usage

```
pkgs_ch_ggplot
```

Format

A vector of character strings.

Examples

```
pkgs_ch_ggplot
```

pkgs_ch_ggplotext

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

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

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

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	<i>Wind direction and speed data</i>
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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
```


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