Package ‘xplorerr’

May 21, 2021

Type Package

Title Tools for Interactive Data Exploration

Version 0.1.2

Description Tools for interactive data exploration built using 'shiny'. Includes apps for descriptive
statistics, visualizing probability distributions, inferential statistics, linear regression,
logistic regression and RFM analysis.

Depends R(>= 3.2.4)

Imports Rcpp, shiny, utils

Suggests blorr, data.table, descriptr, DT, grid, haven, highcharter,
jsonlite, kableExtra, magrittr, olsrr, plotly, rbokeh, readr,
readxl, rfm, shinyBS, shinycssloaders, shinythemes, tools,
vistributions

URL https://github.com/rsquaredacademy/xplorerr,
https://xplorerr.rsquaredacademy.com/

BugReports https://github.com/rsquaredacademy/xplorerr/issues

License MIT + file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

LinkingTo Rcpp

NeedsCompilation yes

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Repository CRAN

Date/Publication 2021-05-21 04:50:02 UTC
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\textbf{\texttt{app\_descriptive}} \hspace{1cm} \textit{Descriptive Statistics}

\textbf{Description}

Launches the descriptive statistics app.

\textbf{Usage}

\texttt{app\_descriptive()}

\textbf{Examples}

```r
## Not run:
app\_descriptive()
## End(Not run)
```

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\textbf{\texttt{app\_inference}} \hspace{1cm} \textit{Inferential Statistics}

\textbf{Description}

Launches the inferential statistics app.

\textbf{Usage}

\texttt{app\_inference()}

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app_linear_regression

Examples

## Not run:
app_inference()

## End(Not run)

---

app_linear_regression  Linear Regression

Description

Launches the linear regression app.

Usage

app_linear_regression()

Examples

## Not run:
app_linear_regression()

## End(Not run)

---

app_logistic_regression

Logistic Regression

Description

Launches the logistic regression app.

Usage

app_logistic_regression()

Examples

## Not run:
app_logistic_regression()

## End(Not run)
**app_rfm_analysis**  
*RFM Analysis*

**Description**

Launches the RFM analyssi app.

**Usage**

```r
app_rfm_analysis()
```

**Examples**

```r
## Not run:
app_rfm_analysis()
## End(Not run)
```

---

**app_vistributions**  
*Visualize distributions*

**Description**

Launches app for visualizing probability distributions.

**Usage**

```r
app_vistributions()
```

**Examples**

```r
## Not run:
app_descriptive()
## End(Not run)
```
app_visualizer

Visualization

Description

Launches the visualizer app.

Usage

app_visualizer()

Examples

```r
## Not run:
app_visualizer()
## End(Not run)
```

data(exam)

Exam

A dataset containing information about results of three exams.

Usage

data(exam)

Format

A data frame with 15 rows and 3 variables:

- `exam1` result of exam1
- `exam2` result of exam2
- `exam3` result of exam3

Source

https://www.spss-tutorials.com/spss-cochran-q-test/
hsb  

*High School and Beyond Data Set*

**Description**

A dataset containing demographic information and standardized test scores of high school students.

**Usage**

data(hsb)

**Format**

A data frame with 200 rows and 10 variables:

- **id**  id of the student
- **female**  gender of the student
- **race**  ethnic background of the student
- **ses**  socio-economic status of the student
- **schtyp**  school type
- **prog**  program type
- **read**  scores from test of reading
- **write**  scores from test of writing
- **math**  scores from test of math
- **science**  scores from test of science
- **socst**  scores from test of social studies

**Source**

[https://nces.ed.gov/surveys/hsb/](https://nces.ed.gov/surveys/hsb/)

treatment  

*Dummy data set for 2 Sample Proportion test*

**Description**

A dataset containing information about two treatments

**Usage**

data(treatment)
Format

A data frame with 50 rows and 2 variables:

- **treatment1** result of treatment type 1
- **treatment2** result of treatment type 2

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**xplorerr**

**xplorerr package**

Description

R Shiny app for interactive statistical analysis

Details

See the README on GitHub

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**xpl_gvar**

*Repeat data*

Description

Repeat data

Usage

`xpl_gvar(ln, ly)`

Arguments

- `ln` A list
- `ly` A list

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**xpl_nsignC**

*Return sign*

Description

Return sign

Usage

`xpl_nsignC(x)`

Arguments

- `x` A numeric vector
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