Package 'xplorerr'

October 29, 2024

Type Package

Title Tools for Interactive Data Exploration

Version 0.2.0

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, haven, highcharter, jsonlite, magrittr, olsrr, plotly, readr, readxl, rfm, shinyBS, shinycssloaders, standby, tools, vistributions

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

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

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Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

LinkingTo Rcpp

NeedsCompilation yes

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Repository CRAN

Date/Publication 2024-10-29 11:30:02 UTC

Contents

`app_descriptive` *Descriptive Statistics*

Description

Launches the descriptive statistics app.

Usage

```
app_descriptive()
```

Examples

```
## Not run:
app_descriptive()

## End(Not run)
```

`app_inference` *Inferential Statistics*

Description

Launches the inferential statistics app.

Usage

```
app_inference()
```

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 analysis app.

Usage

```
app_rfm_analysis()
```

Examples

```
## Not run:
app_rfm_analysis()

## End(Not run)
```

app_vistributions *Visualize distributions*

Description

Launches app for visualizing probability distributions.

Usage

```
app_vistributions()
```

Examples

```
## Not run:
app_vistributions()

## End(Not run)
```

app_visualizer *Visualization*

Description

Launches the visualizer app.

Usage

```
app_visualizer()
```

Examples

```
## Not run:
app_visualizer()

## End(Not run)
```

exam *Dummy data set for Cochran's Q test*

Description

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/

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

`xpl_gvar` *Repeat data*

Description

Repeat data

Usage

```
xpl_gvar(ln, ly)
```

Arguments

`ln`	A list
`ly`	A list

`xpl_nsignC` *Return sign*

Description

Return sign

Usage

```
xpl_nsignC(x)
```

Arguments

`x`	A numeric vector

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