Package ‘StatTeacherAssistant’

November 24, 2022

Type Package

Title An App that Assists Intro Statistics Instructors with Data Sets

Version 0.0.1

Maintainer Christopher Casement <casementc@gmail.com>

Description Includes an interactive application designed to support educators in wide-ranging disciplines, with a particular focus on those teaching introductory statistical methods (descriptive and/or inferential) for data analysis. Users are able to randomly generate data, make new versions of existing data through common adjustments (e.g., add random normal noise and perform transformations), and check the suitability of the resulting data for statistical analyses.

License MIT + file LICENSE


BugReports https://github.com/ccasement/StatTeacherAssistant/issues

Depends R (>= 3.5.0)

Imports DescTools (>= 0.99.47), dplyr (>= 1.0.7), DT (>= 0.19), ggplot2 (>= 3.3.5), plotly (>= 4.10.0), rhandsontable (>= 0.3.8), rio (>= 0.5.27), rmatio (>= 0.16.0), shiny (>= 1.7.1), shinyalert (>= 2.0.0), shinyBS (>= 0.61), shinyjs (>= 2.1.0), sortable (>= 0.4.6), stringi (>= 1.7.4), stringr (>= 1.4.0), teachingApps (>= 1.0.8), tidyR (>= 1.2.1)

Encoding UTF-8

Language en-US

RoxygenNote 7.2.2

NeedsCompilation no

Author Christopher Casement [cre, aut], Laura McSweeney [aut]

Repository CRAN

Date/Publication 2022-11-24 09:10:02 UTC
**R topics documented:**

StatTeacherAssistant-package ........................................ 2
runStatTeacherAssistantApp ........................................... 3

**Index**

StatTeacherAssistant-package

*StatTeacherAssistant: An App that Assists Intro Statistics Instructors with Data Sets*

**Description**

Includes an interactive application designed to support educators in wide-ranging disciplines, with a particular focus on those teaching introductory statistical methods (descriptive and/or inferential) for data analysis. Users are able to randomly generate data, make new versions of existing data through common adjustments (e.g., add random normal noise and perform transformations), and check the suitability of the resulting data for statistical analyses.

**Details**

Package: StatTeacherAssistant  
Type: Package  
Version: 0.0.1  
Date: 2022-11-23  
Depends: R (>= 3.5.0)  
Imports: DescTools, dplyr, DT, ggplot2, plotly, rhandsontable, rio, rmatio, shiny, shinyalert, shinyBS, shinyjs, sortable, stringi, stringr, teachingApps, tidyr  
License: MIT  
BugReports: https://github.com/ccasement/StatTeacherAssistant/issues  
Encoding: UTF-8

**Function**

- runStatTeacherAssistantApp

**Author(s)**

Christopher Casement  
Department of Mathematics  
Fairfield University  
<casementc@gmail.com>

Laura McSweeney  
Department of Mathematics  
Fairfield University
See Also

Useful links:

- https://github.com/ccasement/StatTeacherAssistant
- https://CRAN.R-project.org/package=StatTeacherAssistant
- Report bugs at https://github.com/ccasement/StatTeacherAssistant/issues

Description

Runs the StatTeacherAssistant Shiny application.

Usage

runStatTeacherAssistantApp()

Value

There is no return value.

Author(s)

Christopher Casement
Department of Mathematics
Fairfield University
<casementc@gmail.com>

Laura McSweeney
Department of Mathematics
Fairfield University

Examples

```r
## only run the app in an interactive R session
if (interactive()) {runStatTeacherAssistantApp()}
```
Index

_PACKAGE
  (StatTeacherAssistant-package), 2

runStatTeacherAssistantApp. 2, 3

StatTeacherAssistant
  (StatTeacherAssistant-package), 2

StatTeacherAssistant-package. 2