

Package ‘StatTeacherAssistant’

July 21, 2025

Type Package

Title An App that Assists Intro Statistics Instructors with Data Sets

Version 0.0.3

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

URL <https://github.com/ccasement/StatTeacherAssistant>,
<https://CRAN.R-project.org/package=StatTeacherAssistant>

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

Depends R (>= 4.5.0)

Imports DescTools (>= 0.99.60), dplyr (>= 1.1.4), DT (>= 0.33),
extraDistr (>= 1.10.0), ggplot2 (>= 3.5.2), plotly (>= 4.10.4),
rhandsontable (>= 0.3.8), rio (>= 1.2.3), rmatio (>= 0.19.0),
shiny (>= 1.10.0), shinyalert (>= 3.1.0), shinyBS (>= 0.61.1),
shinyjs (>= 2.1.0), sortable (>= 0.5.0), stringi (>= 1.8.7),
stringr (>= 1.5.1), tidyr (>= 1.3.1)

Encoding UTF-8

Language en-US

RoxygenNote 7.3.2

NeedsCompilation no

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

Repository CRAN

Date/Publication 2025-05-01 22:40:17 UTC

Contents

StatTeacherAssistant-package	2
runStatTeacherAssistantApp	3

Index	4
--------------	----------

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: 0.0.3

Date: 2025-05-01

Depends: R (>= 4.5.0)

Imports: DescTools, dplyr, DT, extraDistr, ggplot2, plotly, rhandsontable, rio, rmatio, shiny, shinyalert, shinyBS, shinyjs, sortable, stringi, stringr, 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>

`runStatTeacherAssistantApp`*Run the StatTeacherAssistant Shiny application*

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

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

Index

`runStatTeacherAssistantApp`, [2](#), [3](#)

`StatTeacherAssistant`
 (`StatTeacherAssistant-package`),
 [2](#)

`StatTeacherAssistant-package`, [2](#)