

Package ‘StatTeacherAssistant’

May 7, 2026

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.

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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

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Repository CRAN

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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)

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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.

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Examples

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

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