

Package ‘DistPlotter’

January 20, 2025

Type Package

Title A Graphical User Interface for Plotting Common Univariate Distributions

Version 0.0.2

Description Package including an interactive Shiny application for plotting common univariate distributions.

License MIT + file LICENSE

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

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

Depends R (>= 3.5.0)

Imports colourpicker (>= 1.1.1), dplyr (>= 1.0.8), DT (>= 0.20),
extraDistr (>= 1.9.1), ggplot2 (>= 3.3.5), rio (>= 0.5.29),
scales (>= 1.1.1), shiny (>= 1.7.1), shinyalert (>= 3.0.0),
shinyBS (>= 0.61), shinyjs (>= 2.1.0), shinyWidgets (>= 0.6.4),
stringi (>= 1.7.6), stringr (>= 1.4.0)

Encoding UTF-8

Language en-US

RoxygenNote 7.1.2

NeedsCompilation no

Author Christopher Casement [cre, aut],
Grant Innerst [aut],
Melissa Innerst [aut]

Maintainer Christopher Casement <casementc@gmail.com>

Repository CRAN

Date/Publication 2022-03-10 22:10:17 UTC

Contents

DistPlotter-package	2
runDistPlotterApp	3

DistPlotter-package *DistPlotter: A Graphical User Interface for Plotting Common Univariate Distributions*

Description

The DistPlotter package enables users to plot common univariate distributions and was designed with a particular focus on education. Users can plot distributions based on general shape (e.g., symmetric vs. skewed right) and distributions from common discrete and continuous families. They can also shade areas underneath the curve (e.g., areas corresponding to general probabilities, p-values, or confidence levels). Users can additionally plot their own quantitative data, as well as overlay a normal density curve and shade area(s) underneath.

Details

Package: DistPlotter

Type: Package

Version: 0.0.2

Date: 2022-03-09

Depends: R (>= 3.5.0)

Imports: colourpicker, dplyr, DT, extraDistr, ggplot2, rio, scales, shiny, shinyalert, shinyalert, shinyBS, shinyjs, shinyWidgets, stringi, stringr License: MIT

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

Encoding: UTF-8

Function

- [runDistPlotterApp](#)

Author(s)

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

Grant Innerst
Department of Mathematics
Shippensburg University

Melissa Innerst
Department of Mathematics
Juniata College

See Also

Useful links:

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

runDistPlotterApp *Run the DistPlotter Shiny application*

Description

Runs the DistPlotter Shiny application.

Usage

```
runDistPlotterApp()
```

Value

There is no return value.

Author(s)

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

Grant Innerst
Department of Mathematics
Shippensburg University

Melissa Innerst
Department of Mathematics
Juniata College

Examples

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

Index

`_PACKAGE` (DistPlotter-package), [2](#)
`DistPlotter` (DistPlotter-package), [2](#)
`DistPlotter-package`, [2](#)
`runDistPlotterApp`, [2, 3](#)