Package 'quadraticSD'

November 16, 2022

Type Package
Title Visualizing the SD using a Quadratic Curve
Version 0.1.0
Maintainer Siddhanta Phuyal <siddhantaphuyal7159@gmail.com></siddhantaphuyal7159@gmail.com>
Description Given a dataset, the user is invited to utilize the Empirical Cumulative Distribution Function (ECDF) to guess interactively the mean and the mean deviation. Thereafter, using the quadratic curve the user can guess the Root Mean Squared Deviation (RMSD) and visualize the standard deviation (SD). For details, see Sarkar and Rashid (2019) <doi:10.3126 njs.v3i0.25574="">, Have You Seen the Standard Deviaton?, Nepalese Journal of Statistics, Vol. 3, 1-10.</doi:10.3126>
License GPL-3
Encoding UTF-8
RoxygenNote 7.2.2
Imports shiny, ggplot2
NeedsCompilation no
Author Siddhanta Phuyal [aut, cre], Mamunur Rashid [aut], Jyotirmoy Sarkar [aut]
Repository CRAN
Date/Publication 2022-11-16 14:40:13 UTC
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data1

data1: the namespace variable.

Description

the namespace variable that stores data provided by the user.

Usage

data1

Format

An object of class numeric of length 5.

runApp

Visualizing the SD using a Quadratic Curve

Description

Given a dataset, the user is invited to utilize the Empirical Cumulative Distribution Function (ECDF) to guess interactively the mean and the mean deviation. Thereafter, using the quadratic curve the user can guess the Root Mean Squured Deviation (RMSD) and visualize the Standard Deviation (SD). For details, see Sarkar and Rashid (2019), Have You Seen the Standard Deviation?, Nepalese Journal of Statistics, Vol. 3, 1-10

Usage

```
runApp(data)
```

Arguments

data

a data vector, ideally of a moderate size (say, 10), to be provided by the user. Adventurous users may increase the size.

Value

An interactive shiny application.

Examples

```
data <- c(12,13,15,17,20,21,23)
runApp(data)
#end of example
```

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