Package ‘SDPrism2D’

October 12, 2022

Type Package
Title Visualizing the Standard Deviation as the Size of a Prism
Version 0.1.1
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Description We visualize the standard deviation of a data set as the size of a prism whose volume equals the total volume of several prisms made from the Empirical Cumulative Distribution Function.
License GPL-3
Encoding UTF-8
NeedsCompilation no
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Repository CRAN
Date/Publication 2022-09-21 08:20:02 UTC

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sdprism2d

Visualizing the Standard Deviation as the Size of a Prism

Description

We visualize the standard deviation of a data set as the size of a prism whose volume equals the total volume of several prisms made from the Empirical Cumulative Distribution Function.
Usage

sdprism2d(data, hlim = NULL, xyscale = NULL)

Arguments

data The data that a user inputs, usually a vector of values.
hlim Optional, 4 by default. The height limit for the plot of step 2, step3, and step 4.
xyscale Optional, 4 by default. The ratio of scales between the x-axis and the y-axis.

Value

No return value, the function will open a new window and display the graphs of the 4 steps of visualizing the standard deviation.

Examples

sdprism2d(c(10,18,23,30,36),4,4)
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