Package: SDPrism2D (via r-universe)

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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.

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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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