Package: sgmean (via r-universe)

June 4, 2026

Title Trimmed Mean Compatible with 'Statgraphics' Method

Version 0.1.0

Description Computes the trimmed mean using a proportional discount method on the extremes, replicating the behavior of 'Statgraphics' software. Unlike R's built-in mean() with trim, this method applies a weighted reduction to boundary values rather than removing them entirely.

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URL https://github.com/jcarlosgaviria/sgmean

BugReports https://github.com/jcarlosgaviria/sgmean/issues

Suggests knitr, rmarkdown

VignetteBuilder knitr

Repository https://jcarlosgaviria.r-universe.dev

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sgmean *Trimmed Mean Compatible with Statgraphics*

Description

Computes the trimmed mean using a proportional discount method on the extremes, replicating the behavior of Statgraphics software. Unlike the built-in mean() with trim, this method applies a weighted reduction to boundary values rather than removing them entirely.

Usage

```
sgmean(x, trim = 0.05)
```

Arguments

x	A numeric vector. Does not need to be pre-sorted.
trim	Trim fraction between 0 and 0.5 (default 0.05 for 5%).

Value

A single numeric value with the trimmed mean.

Examples

```
x <- c(2, 4, 6, 8, 100)
sgmean(x, trim = 0.05)
mean(x, trim = 0.05)
```

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