

Package ‘funMeans’

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Type Package
Title Functions of Means
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Description This package will report different means.
License GPL (>= 2)

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funMeans-package	<i>Functions of Means</i>
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Description

This package will report different means.

Details

Package: funMeans
Type: Package
Version: 1.0
Date: 2014-03-05
License: ¹GNU GPL

Presently calculates trimmed and winzored means.

Author(s)

Christopher David Desjardins

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References

Desjardins, C. 2014. Wonderful world of central tendencies.

trim	<i>Trimmed Mean</i>
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Description

This function calculates the trimmed mean

Usage

```
trim(x, tr = 0.1)
```

Arguments

x	A vector of values for calculating the mean
tr	The value to use for trimming. By default this is 0.1

Value

An object of class funMeans is returned. Running summary for this object returns information about the trimmed mean, the mean, and the sample size.

Author(s)

Christopher David Desjardins

References

Desjardins, C. 2014. Wonderful world of central tendencies.

See Also

See Also as [win](#), `~~~`

Examples

```
## Not run:  
FunMeans1 <- trim(trim.data)  
summary(FunMeans1)  
  
## End(Not run)
```

trim.data*Data for Differet Mean Functions*

Description

Randomly generated data to showcase different mean functions

Usage

```
data(trim.data)
```

Format

The format is: num [1:10] 1.09 33.79 3.56 5.3 14.19 ...

Details

Data were generated by: `rnorm(n = 10, mean = 5, sd = 25)`

Examples

```
data(trim.data)
```

win*Winsorized Mean*

Description

This function calculates the winsorized mean

Usage

```
win(x, tr = 0.2)
```

Arguments

x	A vector of values for calculating the mean
tr	The value to use for trimming. By default this is 0.2

Value

An object of class `funMeans` is returned. Running `summary` for this object returns information about the winsorized mean, the mean, and the sample size.

Author(s)

Christopher David Desjardins

References

Desjardins, C. 2014. Wonderful world of central tendencies.

See Also

See Also as `trim`, `~~~`

Examples

```
## Not run:  
FunMeans2 <- win(trim.data)  
summary(FunMeans2)  
  
## End(Not run)
```

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