Package 'GroupComparisons'

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Type Package

Title Paired/Unpaired Parametric/Non-Parametric Group Comparisons

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Description Receives two vectors, computes appropriate function for group comparison (i.e., t-test, Mann-Whitney; equality of variances), and reports the findings (mean/median, standard deviation, test statistic, p-value, effect size) in APA format (Fay, M.P., & Proschan, M.A. (2010)<DOI: 10.1214/09-SS051>).

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R topics documented:

Group_Comparison_Paired

Paired Parametric/Non-Parametric Group Comparisons

Description

Receives two vectors, computes appropriate function for paired group comparison (t-test, Mann-Whitney), and reports the findings (mean/median, standard deviation, test statistic, p-value, effect size) in APA format (Field, A. (2013). Discovering statistics using IBM SPSS statistics. New York, NY: SAGE.).

Usage

```
Group_Comparison_Paired(vec1, vec2)
```

Arguments

vec1	A vector of numbers
vec2	A vector of numbers

Value

This function returns a sentence summarizing the findings and reporting them in APA format (effect size included)

Examples

```
dt <- mtcars
vector1 <- dt$mpg
vector2 <- dt$hp
Group_Test <- Group_Comparison_Paired(vector1, vector2)
Group_Test
```

Group_Comparison_Unpaired

Unpaired Parametric/Non-Parametric Group Comparisons

Description

Receives two vectors, computes best function for unpaired group comparison (t-test, Mann-Whitney), and reports the findings (mean/median, standard deviation, test statistic, p-value, effect size) in APA format (Field, A. (2013). Discovering statistics using IBM SPSS statistics. New York, NY: SAGE.).

Usage

```
Group_Comparison_Unpaired(vec1, vec2)
```

Arguments

vec1	A vector of numbers
vec2	A vector of numbers

Value

This function returns a sentence summarizing the findings and reporting them in APA format (effect size included)

Examples

```
dt <- mtcars
vector1 <- dt$mpg
vector2 <- dt$hp
Group_Test <- Group_Comparison_Unpaired(vector1, vector2)
Group_Test
```

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