Package 'effectsizescr'

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Type Package

Title Indices for Single-Case Research

Version 0.1.0

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Description Parametric and nonparametric statistics for single-case design. Regarding nonparametric statistics, the index suggested by Parker, Vannest, Davis and Sauber (2011) <doi:10.1016/j.beth.2010.08.006> was included. It combines both nonoverlap and trend to estimate the effect size of a treatment in a single case design.

Depends R (>= 2.15)

Imports Kendall

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Encoding UTF-8

LazyData true

NeedsCompilation no

Repository CRAN

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R topics documented:

TAU *Parker's TAU-U*

Description

Nonoverlap and trend for single case research: the TAU-U function of Parker et al. (2011).

Usage

```
TAU(data1, nameTime = "TIME", namePhase = "DUMMYPHASE",

nameDV = "DV", Aphase = 0, Bphase = 1)
```

Arguments

data1	a matrix or a dataframe with time,outcome and phases columns
nameTime	the name of the time column
namePhase	the name of the phase column
nameDV	the name of the dependent variable
Aphase	how phase A was coded in the phases column
Bphase	how phase B was coded in the phases column

Value

A list including partition matrix, full matrix and TAU-U analysis

References

Parker, R. I., Vannest, K. J., Davis, J. L., & Sauber, S. B. (2011). Combining nonoverlap and trend for single-case research: Tau-U. Behavior Therapy, 42(2), 284-299, doi: 10.1016/j.beth.2010.08.006

Examples

```
data=cbind(rnorm(16),1:16,c(rep(0,8),rep(1,8)))
colnames(data)=c("DV","TIME","PHASE")
TAU(data1=data,nameTime = "TIME",namePhase = "PHASE",
nameDV = "DV")
```

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