Type Package

Title p-Value Aggregation Methods

Version 1.0.1

Date 2018-01-25

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RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

Date/Publication 2018-01-25 22:33:48 UTC

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**fisher**  
*Fisher’s Method*

**Description**

Aggregate p-values with equal weights. Equivalent to the Lancaster method with all p-values weighted at 2.

**Usage**

```r
fisher(pvalues)
```

**Arguments**

- `pvalues` A vector of p-values (i.e. between 0 and 1) to be aggregated with Fisher’s method. NAs will be filtered out.

**Examples**

```r
fisher(c(.1, .2, .3))
```

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**lancaster**  
*Lancaster method*

**Description**

Weighted p-value aggregation.

**Usage**

```r
lancaster(pvalues, weights)
```

**Arguments**

- `pvalues` A vector of p-values (i.e. between 0 and 1). NAs will be filtered out.
- `weights` A vector of weights, each associated with its respective p-value. Weights must be nonnegative. NAs and negative weights will be filtered out with corresponding p-values.

**Examples**

```r
lancaster(c(.1, .5), c(2, 4))
```
Perform the Sidak method.

Description

The Sidak method uses the minimum p-value but corrects it for the number of p-values that are aggregated.

Usage

sidak(pvalues)

Arguments

pvalues A vector of p-values to be aggregated. NAs will be filtered.

Examples

sidak(c(.1, .2, .3))
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