Package 'aggregation'

October 12, 2022

R topics documented:

1

---

fisher   *Fisher's Method*

Description

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

Usage

```
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

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

---

lancaster   *Lancaster method*

Description

Weighted p-value aggregation.

Usage

```
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 nonegative. NAs and negative weights will be filtered out with corresponding p-values.

Examples

```
lancaster(c(.1, .5), c(2, 4))
```

---

sidak   *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))
```

Index