Package 'RPscoring'

January 20, 2025

Type Package

Title Relative Placement Algorithm

Version 0.1.0

Depends R (>= 3.5.0)

Description Implementation of the relative placement algorithm widely used in the scoring of Lindy Hop and West Coast Swing dance contests.

License GPL (>= 2)

Encoding UTF-8

LazyData true

RoxygenNote 7.0.0

NeedsCompilation no

Author Daphna Harel [cre, aut],
Yoav Bergner [aut]

Maintainer Daphna Harel <daphna.harel@gmail.com>

Repository CRAN

Date/Publication 2020-06-25 13:20:11 UTC

Contents

dashmatrix *Dash Matrix*

Description

Function to obtain the matrix of number of 1-1s, 1-2s, and so on.

Usage

```
dashmatrix(data)
```

Arguments

data	dataset with competitors as rows and judges as columns

Value

A matrix:

dashmatrix	matrix of number of placements

Examples

```
dashmatrix(testdata)
```

rankContestants *Ranking of Contestants*

Description

Function to rank contestants

Usage

```
rankContestants(data)
```

Arguments

data	dataset with competitors as rows and judges as columns

Value

A vector:

finalranking	final rankings of the competitors

Examples

```
rankContestants(testdata)
```

resolveTies *Resolve Ties*

Description

Function to resolve ties between competitors.

Usage

```
resolveTies(data, contestants, column)
```

Arguments

data	dataset with competitors as rows and judges as columns
contestants	vector with which contestant numbers to resolve ties for
column	column of the dash matrix to begin with

Value

A list:

winnerfound	method by which winner was found
winner	vector with whom the winners were

Examples

```
resolveTies(testdata, c(1,2), 1)
```

testdata *Test Dataset*

Description

This synthetic dataset represents the placements of n contestants (rows) by J judges (columns).

Usage

```
testdata
```

Format

A data frame with 8 contestants (rows) and 5 judges (variables):

J1 rankings for Judge 1
J2 rankings for Judge 1
J3 rankings for Judge 1
J4 rankings for Judge 1
J5 rankings for Judge 1

Index