Package 'wrswoR.benchmark'

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Type Package

Title Benchmark and Correctness Data for Weighted Random Sampling Without Replacement

Version 0.2

Date 2017-09-25

Description Includes performance measurements and results of repeated experiment runs (for correctness checks) for code in the 'wrswoR' package.

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URL http://krlmlr.github.io/wrswoR.benchmark

URLNote https://github.com/krlmlr/wrswoR.benchmark

BugReports https://github.com/krlmlr/wrswoR.benchmark/issues

Depends R (>= 3.0.2)

Imports lazyeval, curl

Suggests knitr, rmarkdown, ggplot2, dplyr, tidyr

LazyData true

RoxygenNote 6.0.1

Collate 'aaa-rextdata.R' 'timings.R' 'break_even.R' 'p_values_7.R' 'p_values_agg.R'

NeedsCompilation no

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`p_values_7` *P-values for n = 7*

Description

Created by `data_raw/p_values_7.R`.

Examples

```
head(p_values_7)
```

`p_values_agg` *Aggregated p-values*

Description

Created by `data_raw/p_values_agg.R`.

Examples

```
head(p_values_agg)
head(p_values_agg_agg)
```

`timings` *Run time data*

Description

Run times measured on an Intel(R) Xeon(R) CPU X5680 clocked at 3.33 GHz with 12 MB cache, running RedHat Enterprise Linux, R 3.2.3 and gcc 4.8.5, using version 0.4 of the `wrswoR` package. The data are created by the corresponding scripts in the `data_raw` directory.

Usage

```
timings_sort
```

Format

An object of class `data.frame` with 25200 rows and 5 columns.

Details

`timings` contains run times for a larger range of values for the `n` argument.

`timings_sort` contains run times for sorting probabilities with the given distributions.

`break_even` contains detailed run times for the analysis of break-even points between the various implementations.

Examples

```
head(timings)
head(break_even)
```

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