Package ‘wrswoR.benchmark’

September 25, 2017

Encoding UTF-8
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.
License GPL-3

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

**Description**

Created by `data_raw/p_values_7.R`.

**Examples**

```r
head(p_values_7)
```

#### p_values_agg

**Description**

Created by `data_raw/p_values_agg.R`.

**Examples**

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

#### timings

**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**

```r
timings_sort
```
timings

**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**

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