

Package ‘blockstrap’

February 1, 2026

Title Sample Dataframes by a Group

Version 1.0.0

Description Sample dataframes by group, in the form of a 'block bootstrap'. Entire groups are returned allowing for a single 'observation' to span multiple rows of the dataframe.

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Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 4.1.0)

Suggests HospitalNetwork, knitr, rmarkdown, testthat (>= 3.0.0)

Config/testthat/edition 3

Imports dplyr, cli, rlang, vctrs

VignetteBuilder knitr

URL <https://numbats.github.io/blockstrap/>,
<https://github.com/numbats/blockstrap>

BugReports <https://github.com/numbats/blockstrap/issues>

NeedsCompilation no

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| slice_block | <i>Sample complete groups from a data frame</i> |
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Description

Samples complete groups from a grouped data frame, including all of each group as part of the sample. Can be considered a form of grouped bootstrap sampling.

Usage

```
slice_block(.data, ...)

## S3 method for class 'data.frame'
slice_block(.data, ...)

## S3 method for class 'grouped_df'
slice_block(.data, n = 1, replace = FALSE, weight_by = NULL, ...)
```

Arguments

| | |
|-----------|---|
| .data | A grouped data frame, generated using <code>dplyr::group_by</code> |
| ... | Additional arguments passed to methods |
| n | Number of samples to draw |
| replace | Should sampling be done with replacement? |
| weight_by | Optional expression to weight groups by (unquoted name) |

Value

A data frame with sampled complete groups

Examples

```
ToothGrowth |>
  dplyr::group_by(supp, dose) |>
  slice_block(n = 2)
```

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