

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.

License MIT + file LICENSE

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

Author Michael Lydeamore [aut, cre, cph] (ORCID:
[<https://orcid.org/0000-0002-3980-268X>](https://orcid.org/0000-0002-3980-268X)),
Cash Looi [aut] (ORCID: <<https://orcid.org/0009-0002-7219-2753>>),
Kenyon Ng [aut] (ORCID: <<https://orcid.org/0000-0002-6315-9831>>),
Mitchell O'Hara-Wild [aut] (ORCID:
[<https://orcid.org/0000-0001-6729-7695>](https://orcid.org/0000-0001-6729-7695))

Maintainer Michael Lydeamore <michael.lydeamore@monash.edu>

Repository CRAN

Date/Publication 2026-02-01 07:20:02 UTC

Contents

slice_block	2
Index	3

<code>slice_block</code>	<i>Sample complete groups from a data frame</i>
--------------------------	---

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

<code>.data</code>	A grouped data frame, generated using <code>dplyr::group_by</code>
<code>...</code>	Additional arguments passed to methods
<code>n</code>	Number of samples to draw
<code>replace</code>	Should sampling be done with replacement?
<code>weight_by</code>	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)
```

Index

`slice_block`, [2](#)