

# Package ‘blockstrap’

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**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

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**Repository** CRAN

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`slice_block`*Sample complete groups from a data frame*

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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**

<code>.data</code>	A grouped data frame, generated using <code>[dplyr::group_by](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)
```

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