

Package ‘groupedHyperframe’

October 30, 2025

Type Package

Title Grouped Hyper Data Frame: An Extension of Hyper Data Frame

Version 0.3.1

Description An S3 class 'groupedHyperframe' that inherits from hyper data frame. Batch processes on point-pattern hyper column. Aggregation of function-value-table hyper column(s) and numeric hyper column(s) over a nested grouping structure.

RoxygenNote 7.3.3

LazyData true

LazyDataCompression xz

Encoding UTF-8

License GPL-2

Language en-US

URL <https://github.com/tingtingzhan/groupedHyperframe>

Depends R (>= 4.5)

Imports cli, methods, parallel, doParallel, foreach, matrixStats, pracma, GET, SpatialPack, ggplot2, geomtextpath, scales, patchwork, knitr, spatstat.explore, spatstat.geom, spatstat.random

Suggests quarto, rmarkdown, rpart, survival, spatstat.data

VignetteBuilder quarto

NeedsCompilation no

Author Tingting Zhan [aut, cre] (ORCID: <https://orcid.org/0000-0001-9971-4844>),
Inna Chervoneva [ctb] (ORCID: <https://orcid.org/0000-0002-9104-4505>)

Maintainer Tingting Zhan <tingtingzhan@gmail.com>

Repository CRAN

Date/Publication 2025-10-30 06:10:13 UTC

Contents

groupedHyperframe-package	2
bib	3
Index	4

groupedHyperframe-package

*groupedHyperframe: Grouped Hyper Data Frame: An Extension of
Hyper Data Frame*

Description

An S3 class 'groupedHyperframe' that inherits from hyper data frame. Batch processes on point-pattern hyper column. Aggregation of function-value-table hyper column(s) and numeric hyper column(s) over a nested grouping structure.

Note

Help files of individual functions are intentionally suppressed in the pdf manual. Users are encouraged to get started with the vignettes.

<https://rpubs.com/tingtingzhan/groupedHyperframe>

Author(s)

Maintainer: Tingting Zhan <tingtingzhan@gmail.com> ([ORCID](#))

Other contributors:

- Inna Chervoneva <Inna.Chervoneva@jefferson.edu> ([ORCID](#)) [contributor]

See Also

Useful links:

- <https://github.com/tingtingzhan/groupedHyperframe>

bib	<i>bibentry for Quarto Book</i>
-----	---

Description

[bibentry](#) for Quarto Book

Usage

```
bioinformatics_btaf430
```

Format

An object of class `bibentry` of length 1.

Index

* **datasets**

bib, [3](#)

bib, [3](#)

bibentry, [3](#)

bioinformatics_btaf430 (bib), [3](#)

groupedHyperframe

(groupedHyperframe-package), [2](#)

groupedHyperframe-package, [2](#)