

Package: CoDaStereo (via r-universe)

October 24, 2026

Title Compositional Data Analysis for Stereological and
Histomorphometric Data

Version 3.1.1

Description Interactive 'shiny' application for compositional data analysis of stereological, histomorphometric and blood-cell count data under the Aitchison geometry. It covers data upload and inspection, zero and missing-value replacement, ternary diagrams, centred log-ratio biplots, user-editable sequential binary partitions with CoDa dendrograms, and permutational multivariate analysis of variance on isometric log-ratio coordinates, optionally including the log-transformed total as described by Pawlowsky-Glahn, Egozcue and Lovell (2015) [<doi:10.1177/1471082X14535526>](https://doi.org/10.1177/1471082X14535526).

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URL <https://github.com/diogoprov/CoDaStereo>,
<https://provetelab.org/CoDaStereo/>

BugReports <https://github.com/diogoprov/CoDaStereo/issues>

Depends R (>= 4.1.0)

Encoding UTF-8

Roxygen list(markdown = TRUE)

Imports shiny (>= 1.7.0), shinydashboard, dplyr, ggplot2, scales, readxl, naniar, compositions, zCompositions, RRPP, FactoMineR, rintrojs (>= 0.3.0), golem (>= 0.4.0), ggiraph, htmltools, jsonlite, ggrepel, svglite, graphics, stats, utils, grDevices, tools

Suggests knitr, mirai, pkgload, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/roxygen2/version 8.1.1

Config/testthat/edition 3

Config/pak/sysreqs libcairo2-dev cmake libfontconfig1-dev libfreetype6-dev libfribidi-dev make libharfbuzz-dev libicu-dev libpng-dev libuv1-dev libx11-dev zlib1g-dev

Repository <https://diogoprov.r-universe.dev>
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run_app	<i>Run the CoDa Stereo Application</i>
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Description

Run the CoDa Stereo Application

Usage

```
run_app(  
  onStart = NULL,  
  options = list(),  
  enableBookmarking = NULL,  
  uiPattern = "/",  
  ...  
)
```

Arguments

onStart, options, enableBookmarking, uiPattern
Passed to [shiny::shinyApp\(\)](#).
... Arguments passed to golem_opts.

Value

A Shiny app object.

Examples

```
if (interactive()) {  
  run_app()  
}
```

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