Package 'compIndexBuilder'

October 20, 2025

Type Package

Version 1.0.0

Title Composite Index Builder & Analytics 'shiny' App

Description Provides an interactive 'shiny' web application for constructing, analyzing, and visualizing composite indices from multidimensional datasets.
Users can upload or select indicator data, group variables into logical categories, apply normalization and weighting methods (such as 'equal' or 'custom' schemes), and compute aggregate composite indices.
The 'shiny' interface includes tools for exploring results through tables, plots, and data exports, making it useful for researchers, policymakers, and analysts interested in index-based evaluations.

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Depends R (>= 4.1.0)

Imports shiny, plotly, shinydashboard, dplyr, readxl, forecast, tidyr, corrplot, missForest, zoo, tibble, DT, ggplot2, networkD3, psych

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

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NeedsCompilation no

Encoding UTF-8

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Repository CRAN

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`compIndexBuilder` *Composite Index Builder Shiny Application*

Description

The **'compIndexBuilder'** package provides a Shiny application and helper functions to build composite indices from tabular indicator data.

Details

This package includes modules for data preparation, weighting and visualization. The Shiny interface is intended to be launched via `compIndexBuilder` in an interactive R session.

Value

No return value, called for side effects. The function launches a 'Shiny' web application for composite index construction.

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See Also

`compIndexBuilder`

Examples

```
if (interactive()) {
 toy_data <- data.frame(a = 1:5, b = 2:6)
 res <- compIndexBuilder(toy_data)
 summary(res)
}
```

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