Package 'dataviewR'

July 22, 2025

Title An Interactive and Feature-Rich Data Viewer

Version 0.1.1

Depends R (>= 4.2.0)

Description Provides an interactive viewer for 'data.frame' and 'tibble' objects using 'shiny' <https://shiny.posit.co/> and 'DT' <https://rstudio.github.io/DT/>. It supports complex filtering, column selection, and automatic generation of reproducible 'dplyr' <https://dplyr.tidyverse.org/> code for data manipulation. The package is designed for ease of use in data exploration and reporting workflows.

URL https://github.com/madhankumarnagaraji/dataviewR

BugReports https://github.com/madhankumarnagaraji/dataviewR/issues

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Encoding UTF-8

RoxygenNote 7.3.2

Imports shiny, shinyjs, DT, dplyr, labelled, forcats, stringr, purrr, tibble, datamods, htmlwidgets

Suggests knitr, rmarkdown, testthat (>= 3.0.0), shinytest2

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

Author Madhan Kumar N [aut, cre]

Maintainer Madhan Kumar N <madhanmanoj1999@gmail.com>

Repository CRAN

Date/Publication 2025-07-21 15:53:30 UTC

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`dataviewer` *Interactive Data Viewer with Filter and Code Generation*

Description

Launches a Shiny application to explore and filter a 'data.frame' or 'tibble'. If no data is provided, it opens an import panel to load a dataset from either the global environment or the packages.

Arguments

`data`	A `data.frame` or `tibble`. If `NULL` or missing, an import UI is shown to load data interactively.

Details

This function provides:

- A tab-based interface with data import and viewer options.
- A checkbox panel to select/deselect columns.
- An input for dplyr-compatible filter expressions.
- A dynamically generated `dplyr` code preview.
- Metadata display for the variables.

The filtering uses `dplyr::filter()` and generates user-friendly code to replicate the steps. It also provides copyable R code that includes column selection and filtering logic.

Value

Launches a Shiny application in the browser. Does not return a value.

Examples

```
if (interactive()) {
  dataviewer(mtcars)
  dataviewer() # Opens the import panel
}
```

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