

Package ‘dataviewR’

July 21, 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

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Repository CRAN

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

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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.
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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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