

Package ‘shinyreprex’

April 2, 2026

Type Package

Title Reproducible Code for 'Shiny' Objects

Version 0.1.0

Description Provides functionality to extract reactive expressions from a 'shiny' application and convert them into stand-alone R scripts. This enables users to reproduce tables and visualisations outside the interactive UI, facilitating integration into static reports or automated workflows without requiring access to the original application source code.

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URL <https://github.com/AscentSoftware/shinyreprex>,
<https://ascentsoftware.github.io/shinyreprex/>

BugReports <https://github.com/AscentSoftware/shinyreprex/issues>

Depends R (>= 4.3.0)

Imports S7, constructive, purrr, rlang, styler

Suggests knitr, rmarkdown, shiny, spelling, testthat (>= 3.0.0)

Language en-GB

Encoding UTF-8

RoxygenNote 7.3.3

Config/testthat/edition 3

Config/Needs/website ascentsoftware/ascentdown

VignetteBuilder knitr

Collate 'Repro_S7.R' 'S7_utils.R' 'repro_call_chunk.R'
'call_chunk_function.R' 'call_chunk_generic.R'
'call_chunk_if.R' 'call_chunk_null.R' 'call_chunk_reactive.R'
'call_chunk_reactval.R' 'call_chunk_shiny.R'
'call_chunk_subset.R' 'call_chunk_utils.R' 'repro_chunk.R'
'chunk_call.R' 'chunk_generic.R' 'chunk_reactive.R' 'package.R'
'reprex_reactive.R'

NeedsCompilation no

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Repository CRAN

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Contents

reprex_reactive	2
Index	4

reprex_reactive	<i>Reproduce Code</i>
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Description

Construct the code within a given shiny::reactive object to be able to re-create the output outside of a Shiny session.

Usage

```
reprex_reactive(x)
```

Arguments

x shiny::reactive object to make reproducible

Value

A character string, that when printed (using base::cat), displays the script that reproduces the contents of x.

Examples

```
library(shiny)

ui <- fluidPage(
  h1("Reproducible Code Example"),
  inputPanel(
    sliderInput(
      "min_width",
      "Minimum Petal Width",
      min(iris$Petal.Width),
      max(iris$Petal.Width),
      min(iris$Petal.Width),
      step = 0.1
    ),
    selectInput(
      "summary_fn",
      "Summary Function",
```

```
      c("Mean" = "mean", "Median" = "median", "SD" = "sd"),
      selected = "mean"
    )
  ),
  fluidRow(
    column(
      width = 5,
      h2("Table"),
      tableOutput("table")
    ),
    column(
      width = 7,
      h2("Code"),
      verbatimTextOutput("code")
    )
  )
)

server <- function(input, output, session) {
  iris_filt <- reactive({
    iris[with(iris, Petal.Width > input$min_width), ]
  })

  summary_tbl <- reactive({
    aggregate(
      Sepal.Width ~ Species,
      data = iris_filt(),
      FUN = get(input$summary_fn)
    )
  })

  output$table <- renderTable(summary_tbl())
  output$code <- renderText(reprex_reactive(summary_tbl))
}

if (interactive()) {
  shinyApp(ui, server)
}
```

Index

reprex_reactive, 2