

Package ‘cataScience’

July 30, 2026

Title Interactive Training App for Data Science and AI Skills

Version 2.1.2

Description An interactive 'shiny' training companion for people who are new to data, developed for World Health Organization data trainings. Bundles hands-on modules for importing data, missing values, outliers, text cleaning, merging, visualization, and basic statistics, plus a set of AI-skills pages (prompting levels, a prompt gallery, AI safety rules, and a methodology case study) and an interactive quiz with per-session topic filters. Launch the app with `run_cata()`.

License MIT + file LICENSE

Language en-US

URL <https://github.com/shanlong-who/cataScience>

BugReports <https://github.com/shanlong-who/cataScience/issues>

Encoding UTF-8

Depends R (>= 4.1.0)

Imports broom, bslib (>= 0.6.0), cowplot, dplyr (>= 1.1.0), DT, forcats, ggplot2, markdown, mice, naniar, plotly, purrr, readr, readxl, rio, scales, shiny (>= 1.8.1), skimr, stringr, tibble, tidyr, VIM

Suggests testthat (>= 3.0.0), withr

Config/testthat/edition 3

Config/roxygen2/version 8.0.0

NeedsCompilation no

Author Shanlong Ding [aut, cre] (ORCID:
<<https://orcid.org/0000-0001-9048-6670>>)

Maintainer Shanlong Ding <dings@who.int>

Repository CRAN

Date/Publication 2026-07-30 16:50:19 UTC

Contents

run_cata	2
Index	3

run_cata	<i>Launch the "A Journey of Data Science" training app</i>
----------	--

Description

Starts the interactive training app bundled with the package: import, clean, visualize, and understand data, then learn to work with AI assistants safely. The app opens in your default browser.

Usage

```
run_cata(...)
```

Arguments

... Passed on to [shiny::runApp\(\)](#), for example port or launch.browser.

Value

No return value; called for the side effect of launching the app. The function blocks the R session while the app is running.

Examples

```
# The app is bundled with the package and launched from its own directory.
app_dir <- system.file("app", package = "cataScience")
file.exists(file.path(app_dir, "app.R"))

# Starting the app needs an interactive session, since it blocks R until
# the browser window is closed.
if (interactive()) {
  run_cata()
}
```

Index

`run_cata`, [2](#)

`shiny::runApp()`, [2](#)