

Package ‘drhur’

May 30, 2026

Type Package

Title Learning R with Dr. Hu

Version 2.0.0

Description Provides interactive workshops for learning R easily and happily. Each workshop is a self-contained 'Quarto' Live document whose code cells run in the browser via 'WebAssembly', so learners can read the instructions and run the exercises side by side without a local R setup. The materials accompany the ``Learning R with Dr. Hu" workshop series.

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VignetteBuilder knitr

Encoding UTF-8

URL <https://www.drhuyue.site/drhur/>,
<https://github.com/sammo3182/drhur>

BugReports <https://github.com/sammo3182/drhur/issues>

LazyData true

SystemRequirements Quarto command-line tool (<https://quarto.org>)

Depends R(>= 3.6.0)

Imports quarto

Suggests servr, rmarkdown, scales, modelsummary, knitr, tidyverse

Config/roxygen2/version 8.0.0

NeedsCompilation no

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Repository CRAN

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drhur	<i>Calling for a Workshop in Dr Hu's R Workshop</i>
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Description

The function renders a self-contained [Quarto Live](#) document from the workshop materials shipped with the package and opens it in the browser. Each workshop is an interactive document whose code cells run in the browser via WebAssembly (webR); no local R session is required to run the exercises. The workshop list is continually updated along with the R workshop with Dr. Hu.

Usage

```
drhur(
  workshop,
  lang = "cn",
  style = "document",
  output_dir = tempdir(),
  quiet = FALSE
)
```

Arguments

workshop	A character string naming the workshop to open. See details for the available workshops.
lang	A character string giving the display language: simplified Chinese ("cn", the default) or English ("en").
style	A character string choosing the output style: "document" (the default) renders a scrollable Quarto Live HTML document (live-html); "slide" renders a reveal.js slide deck (live-revealjs).
output_dir	Directory in which the workshop is rendered. Defaults to a per-session temporary directory. The installed package files are never modified.
quiet	Logical; suppress Quarto's rendering output. Defaults to FALSE.

Details

The workshops available in the current version (*Basics* series):

- algebra: Basic maths, vectors, and matrices with R syntax.
- play: Basic data structures; inputting, outputting, and creating data.

- `munging`: Generalizing and extracting data frames (sorting, summarizing, selecting, mutating).
- `descriptive`: Describing variables and data, including summary tables and distribution plots.
- `visual_basic`: Presenting variables, patterns, and estimates with visualization tools.
- `loop`: Conditionals, loops, and batch processing.

Every workshop ships in two language editions, selected with `lang`: simplified Chinese (`"cn"`, the default) and English (`"en"`).

Rendering requires the [Quarto](#) command-line tool to be installed. Running the interactive code cells in the rendered document additionally requires an internet connection, because the webR runtime and the workshop's R packages are downloaded in the browser at view time.

Because Quarto Live cells run on OJS and webR, which browsers disable for documents opened directly from disk (`file://`), the workshop is served over a local web server rather than opened as a file. This serving step uses the `servr` package, a suggested dependency; install it with `install.packages("servr")` if prompted. In an interactive session the server is started in the background (so your R console stays free) and remains available for the rest of the session; stop it with `servr::daemon_stop()`.

Value

(Invisibly) the path to the rendered HTML file.

Examples

```
## Not run:
# Open the algebra workshop as an HTML live document (Chinese, the default)
drhur("algebra")

# Open the same workshop in English
drhur("algebra", lang = "en")

# Open the data-munging workshop as a slide deck
drhur("munging", style = "slide")

## End(Not run)
```

wvs7

A Random Sample of World Value Survey (Wave 7).

Description

A dataset randomly sampled from the 7th wave of World Value Survey released in 2022.

Usage

wvs7

Format

A data frame with 1330 rows and 24 variables:

country The country the interview was made.

female Respondent's sex is female.

age Respondent's age.

education The highest education that the respondent had attained.

religious Independently of whether the respondent attend religious services or not, did the respondent identify him/herself as a religious person, not a religious person, or an atheist?

marital Marital status of the respondent.

incomeLevel The income group the respondent believes his/her household belonged.

equalIncentive Respondent's view between "Incomes should be made more equal" and "There should be greater incentives for individual effort".

equalFreedom Most people consider both freedom and equality to be important, but if one had to choose between them, which one would the respondent consider more important?

corruption_state How many state authorities did the respondent believe were involved in corruption.

corruption_local How many local authorities did the respondent believe were involved in corruption.

corruption_civil How many civil service providers did the respondent believe were involved in corruption.

trust_family Respondent's trust of his/her family.

trust_neighbor Respondent's trust of his/her neighborhood.

trust_stranger Respondent's trust of people s/he meet for the first time.

trust_foreigner Respondent's trust of people of another nationality.

confidence_armedForce Respondent's confidence in the armed forces.

confidence_policy Respondent's confidence in the armed forces.

confidence_court Respondent's confidence in the courts.

confidence_gov Respondent's confidence in the government.

confidence_parliament Respondent's confidence in the paliament.

confidence_civil Respondent's confidence in the civil service.

confidence_parties Respondent's confidence in the political parties.

confidence_tv Respondent's confidence in the television.

Source

<https://www.worldvaluessurvey.org/WVSDocumentationWV7.jsp>

References

Haerpfer, C., Inglehart, R., Moreno, A., Welzel, C., Kizilova, K., Diez-Medrano J., M. Lagos, P. Norris, E. Ponarin & B. Puranen et al. (eds.). 2020. World Values Survey: Round Seven – Country-Pooled Datafile. Madrid, Spain & Vienna, Austria: JD Systems Institute & WVSA Secretariat. doi.org/10.14281/18241.1

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