Building an R Package

Level: Advanced

Duration: 6 hours

This is a one-day intensive course on building a package in R. The focus will be on getting a working R package ready for distribution. This includes automating package setup and consistent package structure with {usethis}. You will be able to use the {testthat} workflow to create tests for packages.

Course Outline

Participants can bring their own code or they can use the provided example code to write a fully functional R package.

- Why create an R package.
- What is in an R package.
- Writing documentation with {roxygen2}.
- Creating packages with RStudio.
- Distributing your package.

Learning Outcomes

By the end of the day participants will...

- have an understanding of CRAN and how R packages work
- be able to document package functions
- be able to add datasets, vignettes and unit tests to an R package
- have produced their own working R package

Prior Knowledge

It is assumed that all applicants have a basic knowledge of R. Attending the Introduction to R course and programming with R is sufficient.

Attendee Feedback

- "Great instructor and equally as good material"

Contact

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