

## Building an R Package

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

### Attendee Feedback

- “Great instructor and equally as good material”

