

PACKAGE DEVELOPMENT



BASIC STRUCTURE

DESCRIPTION

Gives the user all the core information about your package.

NAMESPACE

Contains information on exported and imported functions.

R/

Contains multiple .R files with your functions (usually one R file for each function; the name should ideally be the name of your function).

MAN/

Contains all manuals for your functions. The files are automatically generated once you populate your package with functions and run `devtools::document()`.

TESTS/

Contains files for the unit tests that allow you to test your functions.



HELPFUL PACKAGES

- `{devtools}` A collection of great functions to make developing your package easy
- `{usethis}` A library to automate your package and project setup
- `{roxygen2}` To document your code (works mainly in the background)
- `{testthat}` To setup your unit tests
- `{xpectr}` For inspiration of standardized unit tests
- `{covr}` Reports your test coverage
- `{goodpractice}` Checks whether your package is consistent with common practices and gives recommendations how to improve
- `{inteRgrate}` Some more tests to check that your package adheres to a good style

MORE HELPFUL LINKS

- How to write your first R package (includes a checklist)
bit.ly/r-package-development
- A collection of awesome R package tools
bit.ly/awesome-r-package-tools