

# R Package Template

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# Creating an R package

“The R packaging system has been one of the key factors of the overall success of the R project (R Development Core Team 2008). Packages allow for easy, transparent and cross-platform extension of the R base system. An R package can be thought of as the software equivalent of a scientific article: Articles are the de facto standard to communicate scientific results, and readers expect them to be in a certain format.”

**Creating R Packages: A Tutorial**, *Friedrich Leisch, R Development Core Team*,  
*Friedrich.Leisch@R-project.org* September 14, 2009,  
<https://cran.r-project.org/doc/contrib/Leisch-CreatingPackages.pdf>

# PACKAGE BASIC TEMPLATE

The screenshot shows a GitHub repository page for 'Trento-R-User-Group / RPackageTemplate'. The browser address bar shows the URL 'https://github.com/Trento-R-User-Group/RPackageTemplate'. The repository name is 'Trento-R-User-Group / RPackageTemplate' with 5 Unwatch, 0 Stars, and 0 Forks. The repository is a first draft for an R package template. It has 4 commits, 1 branch, 0 releases, 1 contributor, and is licensed under GPL-3.0. The commit history shows updates to 'R', 'inst/notes', 'man', 'DESCRIPTION', 'LICENSE', 'NAMESPACE', 'README.md', and 'roxygenize.R'. The README.md file is displayed, showing the title 'RPackageTemplate' and a description: 'This is a first draf for an R package template. This project will be "via-via" created updated and will be finished in the next R Trento Users' meeting, in December 2016.'

Repository: Trento-R-User-Group / RPackageTemplate

Unwatch 5 Stars 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Settings Insights

This is a first draft for an R package template. [Edit](#)

4 commits 1 branch 0 releases 1 contributor GPL-3.0

Branch: master New pull request Create new file Upload files Find file Clone or download

File	Commit	Time
ecor updates Latest commit 691a291 17 minutes ago		
R	updates	17 minutes ago
inst/notes	updates	17 minutes ago
man	updates	17 minutes ago
.gitignore	initial commit	6 months ago
DESCRIPTION	updates	17 minutes ago
LICENSE	initial commit	6 months ago
NAMESPACE	updates	17 minutes ago
README.md	second commit readme file	6 months ago
roxygenize.R	updates	17 minutes ago

README.md

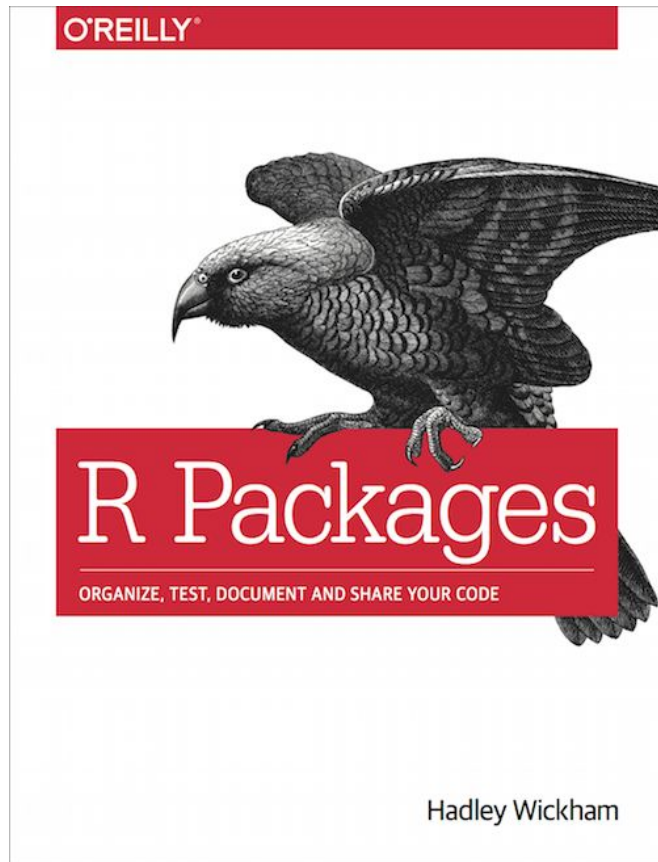
## RPackageTemplate

This is a first draf for an R package template.

This project will be "via-via" created updated and will be finished in the next R Trento Users' meeting, in December 2016.

# SUGGESTED READINGS

- [Introduction](#)
- [Package structure](#)
- **Package components**
- [Code \(R/\)](#)
- [Package metadata](#)  
(DESCRIPTION)
- [Object documentation](#)  
(man/)
- [Vignettes \(vignettes/\)](#)
- [Testing \(tests/\)](#)
- [Namespaces](#)  
(NAMESPACE)
- [Data \(data/\)](#)
- [Compiled code \(src/\)](#)
- [Installed files \(inst/\)](#)
- [Other components](#)
- **Best practices**
- [Git and GitHub](#)
- [Checking](#)
- [Release](#)



# R EXTENSION MANUAL

<https://cran.r-project.org/doc/manuals/r-release/R-exts.html>

# SOME PACKAGES TO VIEW

<http://ecor.github.io/MeteoDataTrentino/>

<https://cran.r-project.org/web/packages/RGENERATE/index.html>