

D.I.Y R package



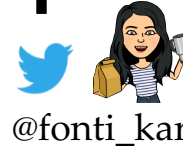
Fonti Kar

she/her



D.I.Y R package


Fonti Kar
she/her




@fonti_kar

Overview of the workshop :


https://github.com/fontikar/RladiesSYD_DIYRpkg

Workshop materials (.zip) download here :

<https://bit.ly/2WmEVa5>

OR git clone the repo directly 

We will be working from main_functions.Rmd

This file is nicely rendered here :

https://fontikar.github.io/RladiesSYD_DIYRpkg/
so you can copy and paste during the workshop

Please install:

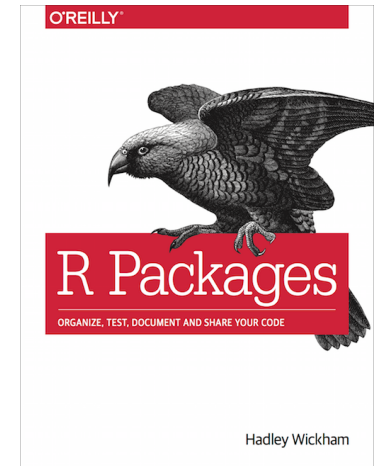
- devtools
- testthat



What is a R package?



“In R, the fundamental unit of shareable code is the package. A package bundles together **code**, **data**, **documentation**, and **tests**, and is easy to share with others.”



Why an R package?

5 mins breakout discussion:

- Discuss **why** would one want to create an R package
- What are the **attributes** of a good R package?
- Any **previous experiences** with package building or alike?
- Any **ideas** for an R package you want to build?

Why an R package?



David Robinson

@drob



"I wish I'd left this code across scattered .R files instead of combining it into a package" said no one ever [#rstats](#)

Why an R package?

- Safeguard your future self
- Easy to share
- Tidy way to organise code + data as [supplement](#)
- [Improves](#) coding + function writing skills
- Opens door for [contributing](#) to other packages

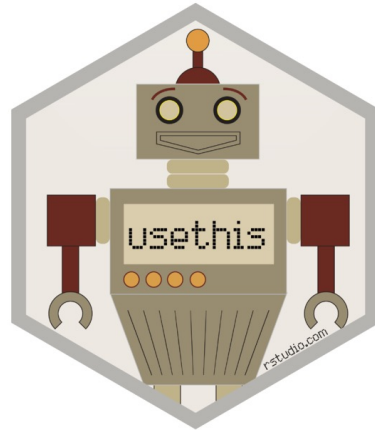


David Robinson
@drob



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Your mise en place



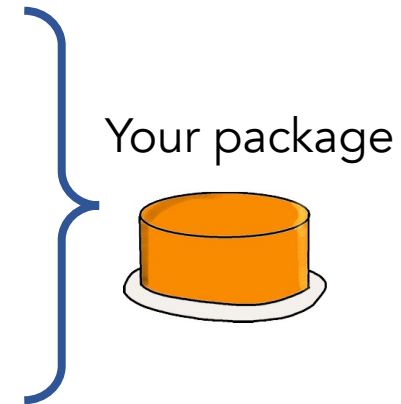
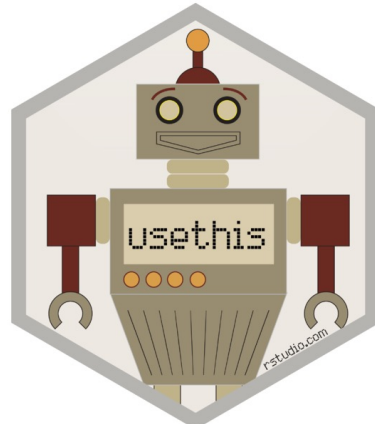
Documentation

Tests

Hex sticker

Website

Your mise en place



Documentation



Tests

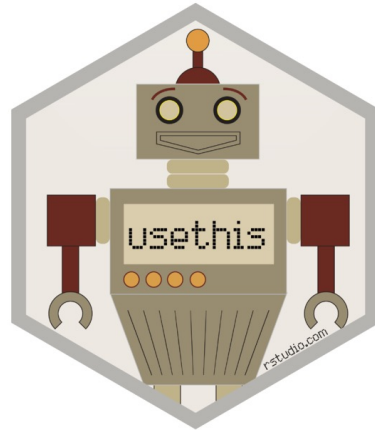


Hex sticker



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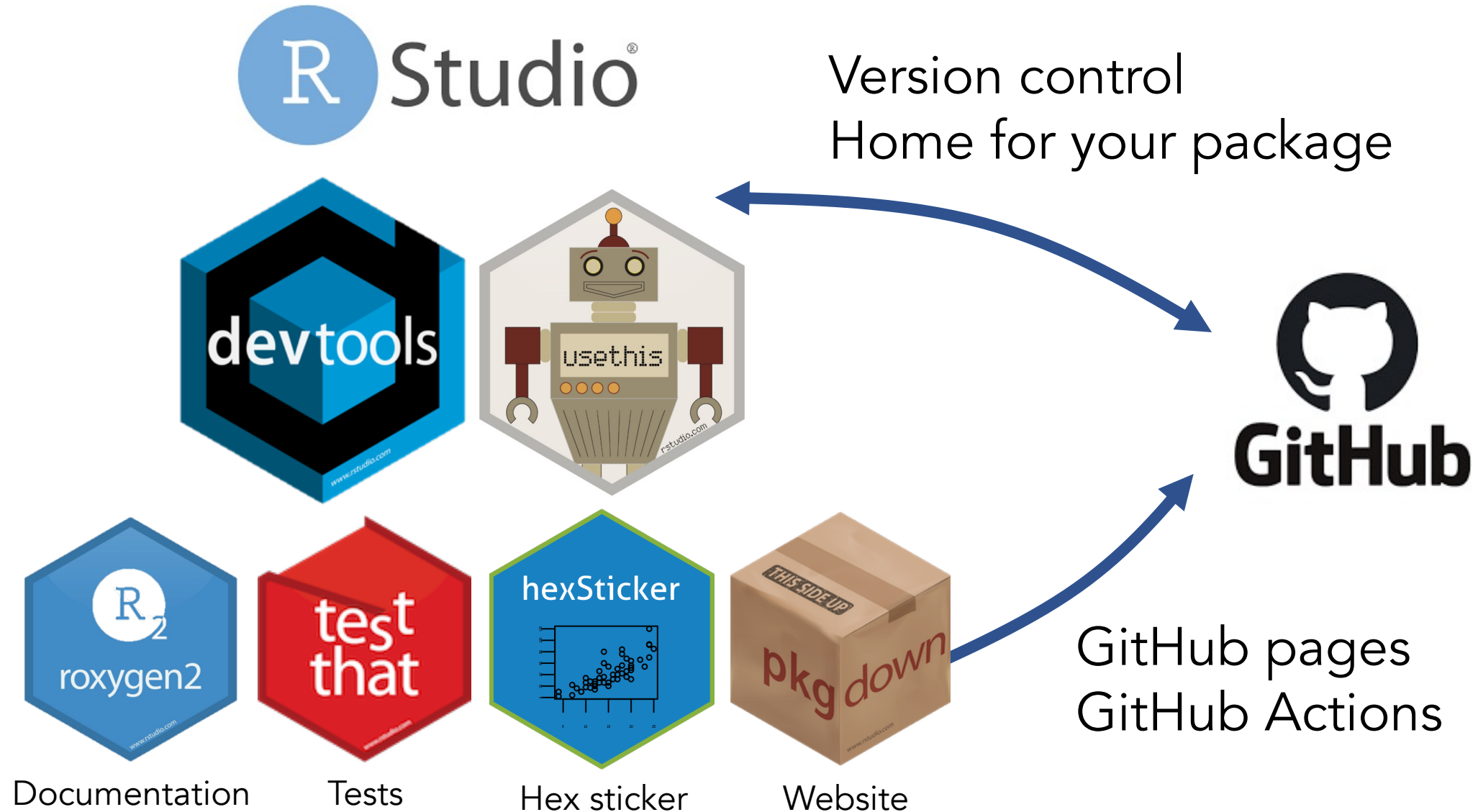


Website

The extras



Your mise en place



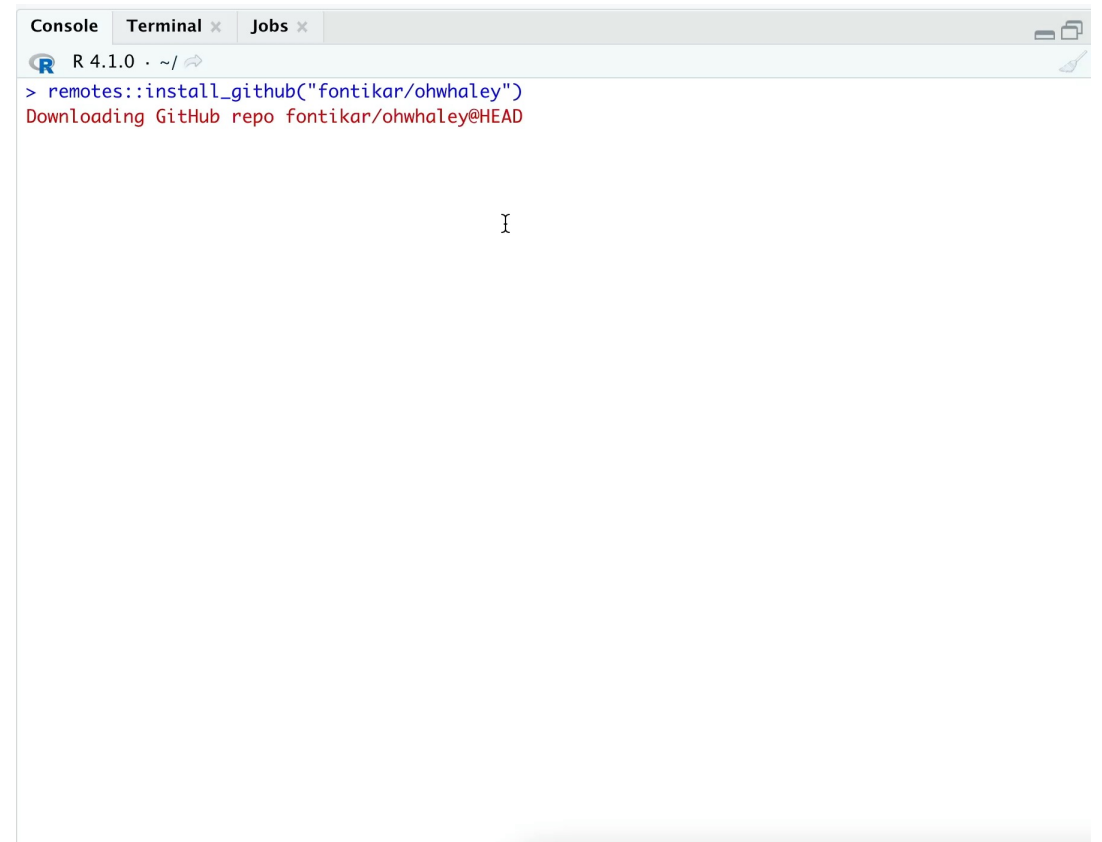
What's on tonight's menu?

- Create the skeleton of a R package
- Add license
- Add a **function** to package
- **Document** the function
- Create README
- Create vignette
- Add a **test** for the function



What's on tonight's menu?

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```
R 4.1.0 ~/  
> remotes::install_github("fontikar/ohwhaley")  
Downloading GitHub repo fontikar/ohwhaley@HEAD
```