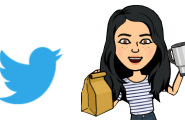


# D.I.Y R package



Fonti Kar

she/her

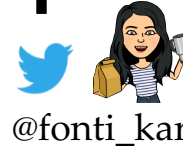


@fonti\_kar



# D.I.Y R package

Fonti Kar  
she/her



Overview of the workshop 🧑💻:

[https://github.com/fontikar/DIY\\_Rpkg/](https://github.com/fontikar/DIY_Rpkg/)

Workshop materials (.zip) download here 📁:

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

OR git clone/fork the repo directly 🤖

We will be working from main\_functions.Rmd

This file is nicely rendered here 😊:

[https://fontikar.github.io/DIY\\_Rpkg/](https://fontikar.github.io/DIY_Rpkg/)

so you can copy and paste during the workshop

Please install:

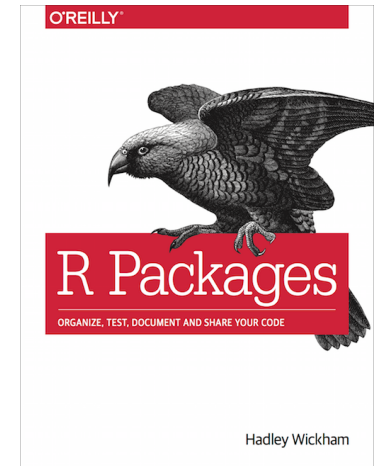
- devtools
- testthat



# 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

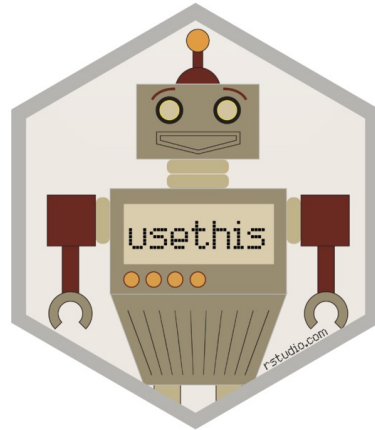


David Robinson  
@drob



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

# Your mise en place



Documentation



Tests

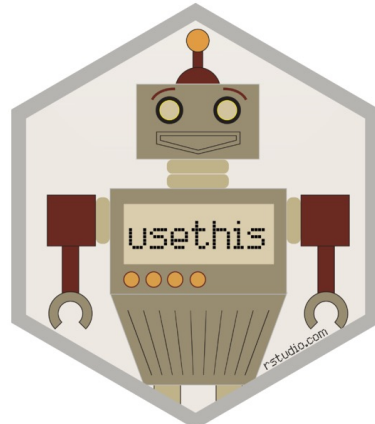


Hex sticker

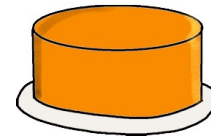


Website

# Your mise en place



Your package



Documentation



Tests



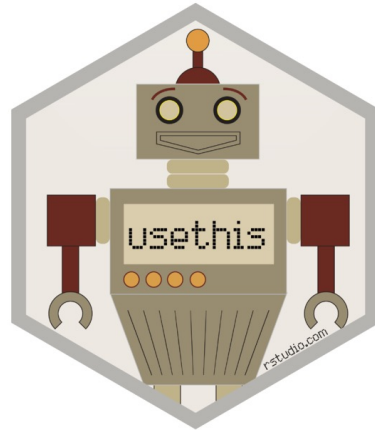
Hex sticker



Website



# Your mise en place



Documentation



Tests



Hex sticker

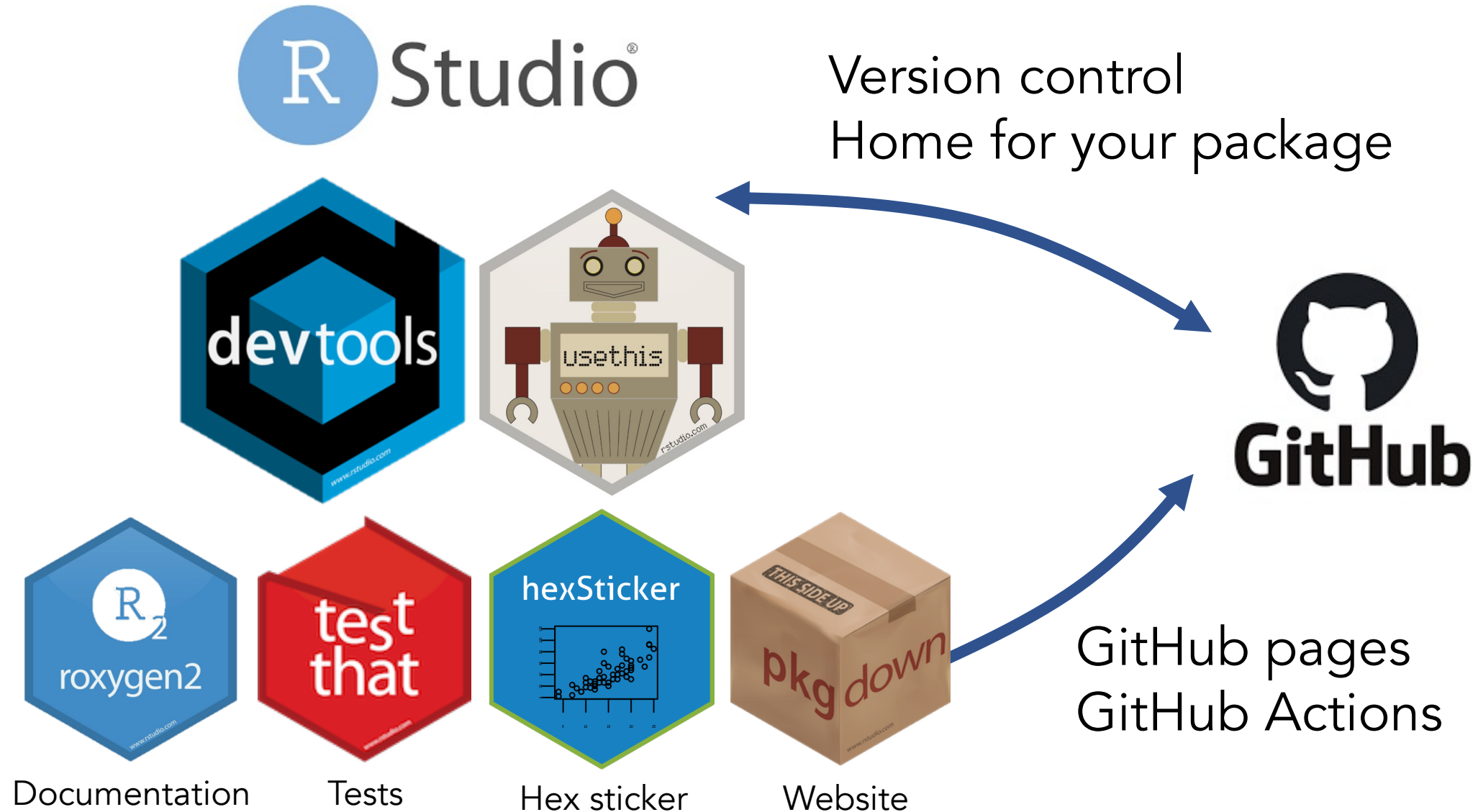


Website

The extras



# Your mise en place



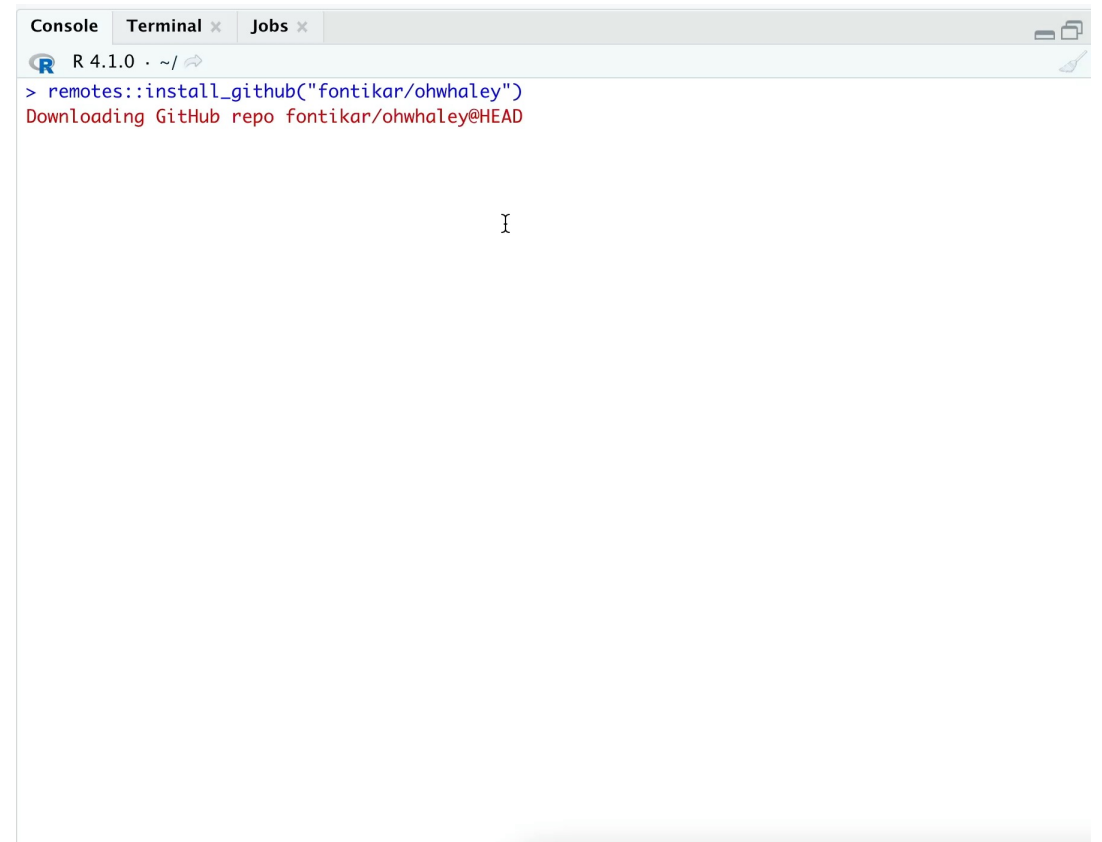
# What's on tonight's menu?

- 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?

- 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



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