

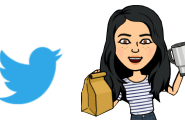
# D.I.Y R package



*“Cause if you like it then  
you should I put it in a R package”*

Fonti Kar

Postdoc UNSW

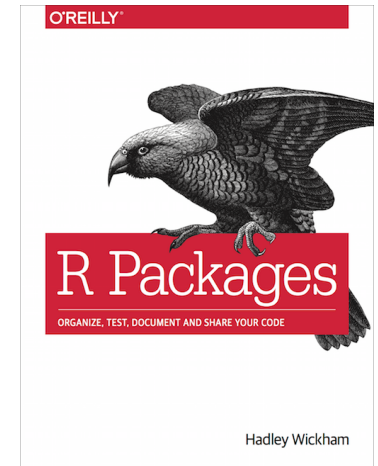


@fonti\_kar

# 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

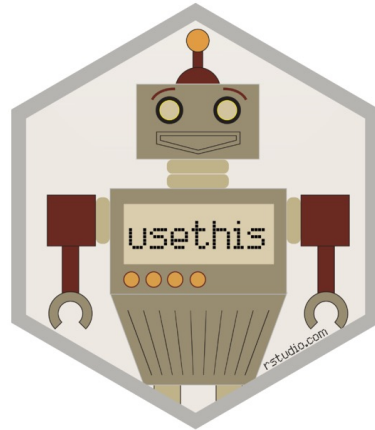


David Robinson  
@drob



"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

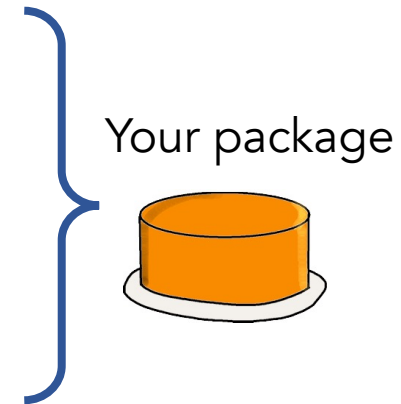
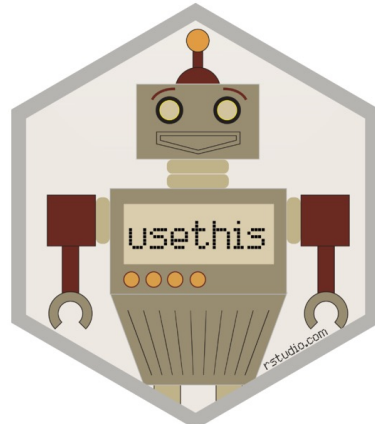


Hex sticker



Website

# Your mise en place



Documentation



Tests



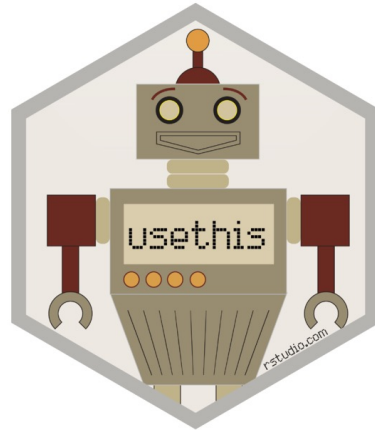
Hex sticker



Website



# Your mise en place



Documentation



Tests



Hex sticker



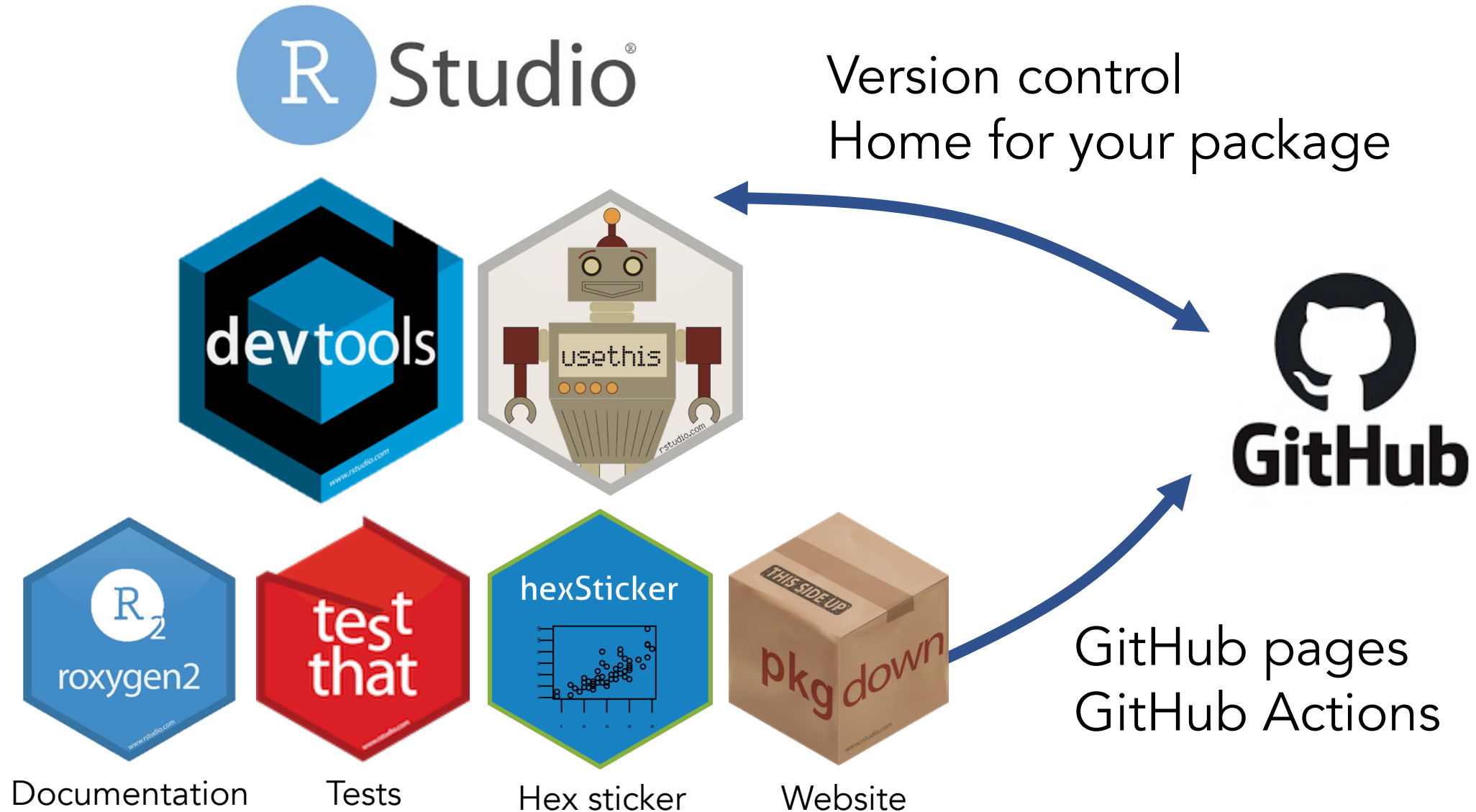
Website

The extras





# Your mise en place



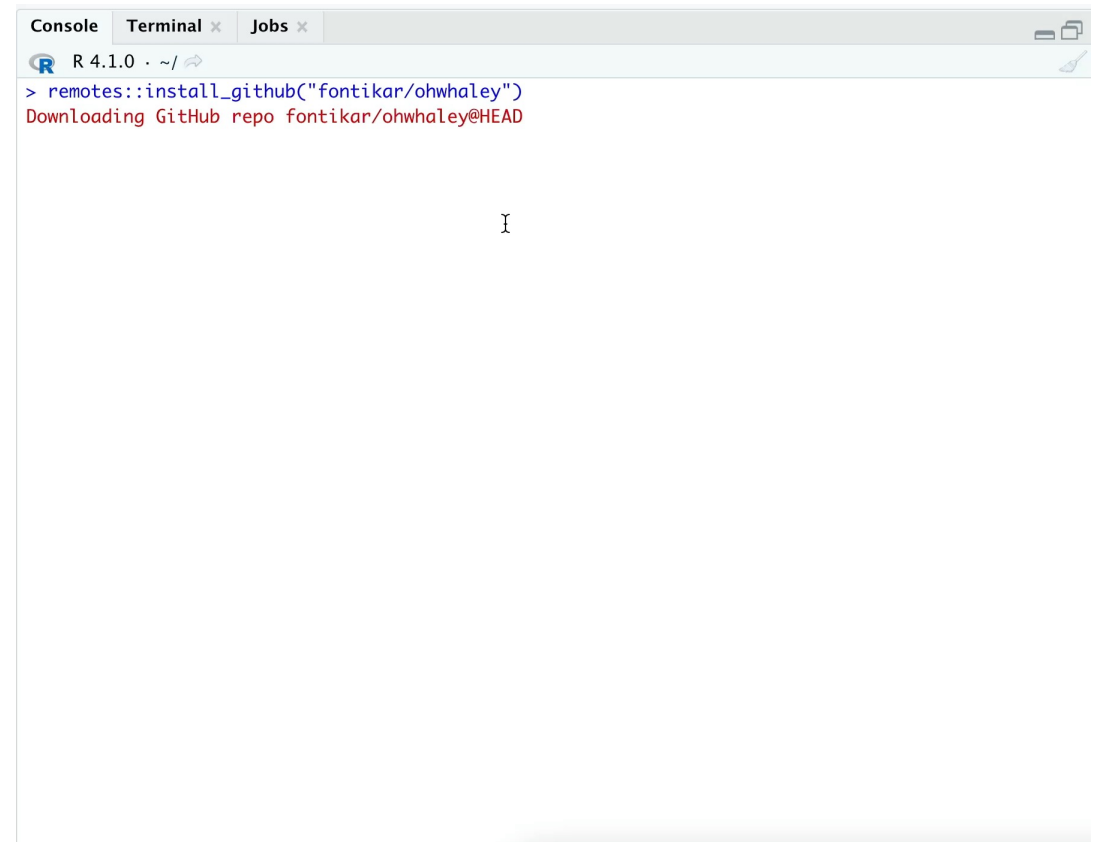
# What's on tonight's menu?

- 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?

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