Introduction to Github
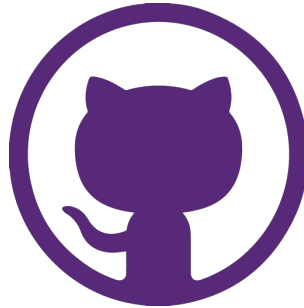
Building interactive and reproducible reports in minutes
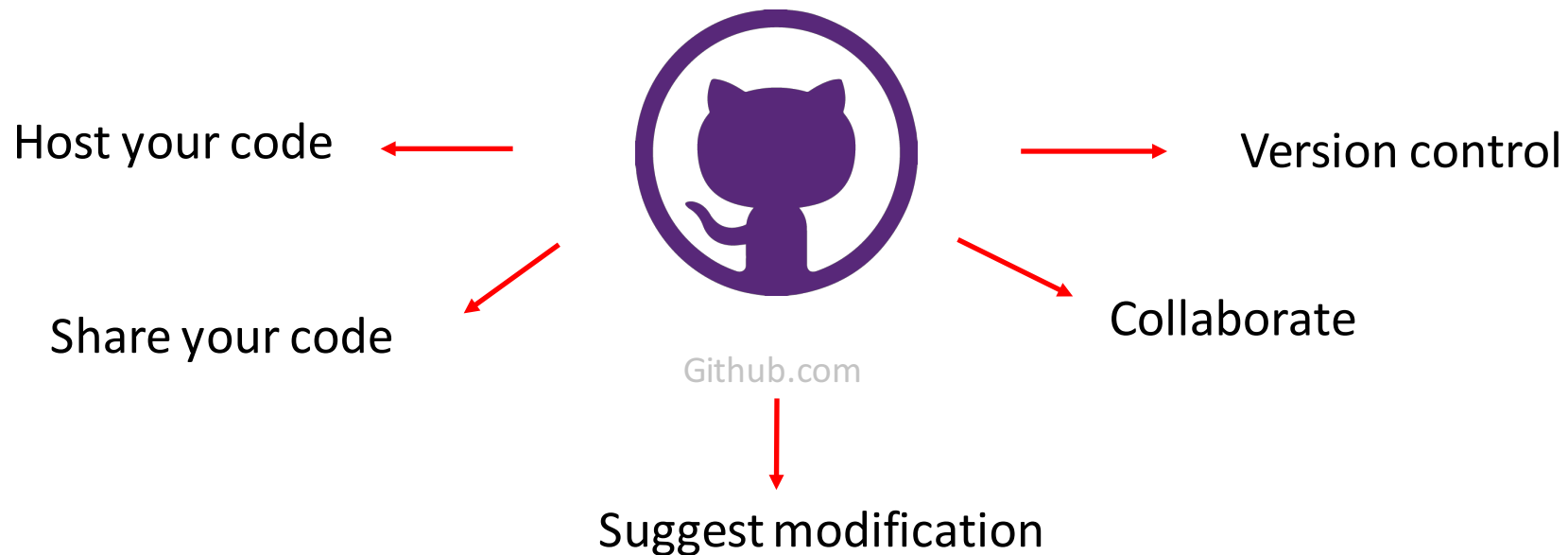
Yan-holtz.com/teaching

« GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere »

Github.com

« GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere »

Host your code ← Version control →

Share your code

Github.com

Collaborate

Suggest modification

Create an account

Why GitHub? ⌄   Enterprise   Explore ⌄   Marketplace   Pricing ⌄

Search GitHub   /   **Sign in**   **Sign up**

Built for developers

GitHub is a development platform inspired by the way you work. From **open source** to **business**, you can host and review code, manage projects, and build software alongside 31 million developers.

Username

Pick a username

Email

you@example.com

Password

Create a password

Make sure it's more than 15 characters OR at least 8 characters including a number and a lowercase letter. Learn more.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our terms of service and privacy statement. We'll occasionally send you account related emails.

Github.com

All repo

Overview   Repositories 43   Projects 0   Stars 39   Followers 260   Following 4

Pinned repositories   Customize your pinned repositories

data_to_viz   **D3-graph-gallery**

Leading to the dataviz you need   ←   **One repo = one project**

● HTML   ★ 121   ⑂ 30   ● HTML   ★ 33   ⑂ 2

The-Python-Graph-Gallery   **R-graph-gallery**

A website displaying hundreds of charts made with   A website that displays hundreds of R charts
Python

● Python   ★ 174   ⑂ 24   ● HTML   ★ 48   ⑂ 17

Pimp-my-rmd   **epuRate**

A few tips about R markdown   A clean R Markdown template for your reports

● HTML   ★ 34   ⑂ 6   ● HTML   ★ 10   ⑂ 8

Set your status

Holtz Yan
ID → holtzy

★ PRO

Description → Data Analyst with a ✶ in data
visualization

👥 Freelancer
📍 Montpellier, France
Contact → ✉ yan.holtz.data@gmail.com
🔗 https://www.yan-holtz.com

Edit

1,251 contributions in the last year   Contribution settings ▾

Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Feb   Mar
Mon
Wed
Fri   **Your Activity**

Learn how we count contributions.   Less ▢▨▨◼ More

Your Github profile is part of your CV !

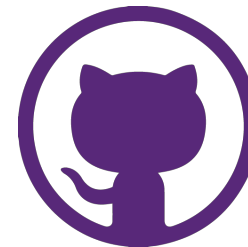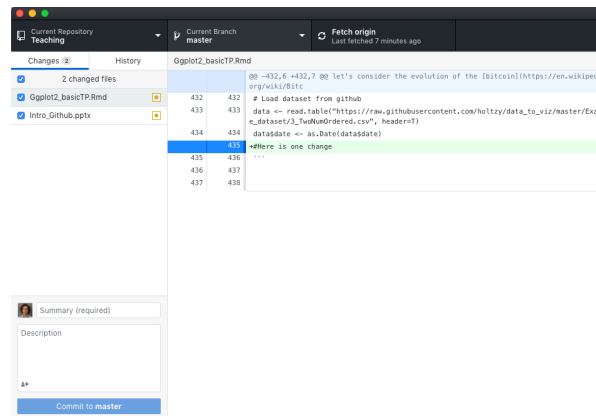# Github Desktop

The link between your laptop and github

Your computer

Github

desktop.github.com

Github Desktop:
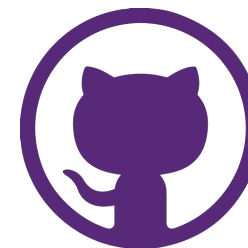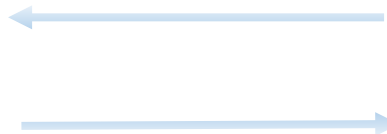
- controls the link between your computer and github.com.

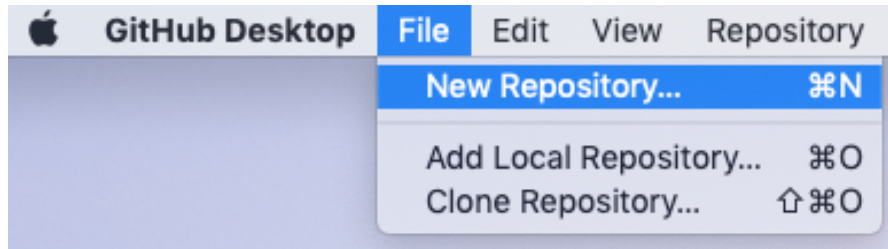- Just replace the the command line
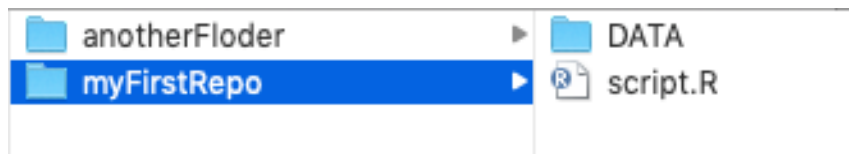
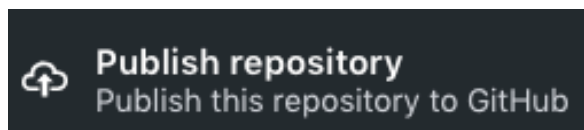Your computer

Github

Your first repo

Hopefully not the last

1 – Create a new github repositoy
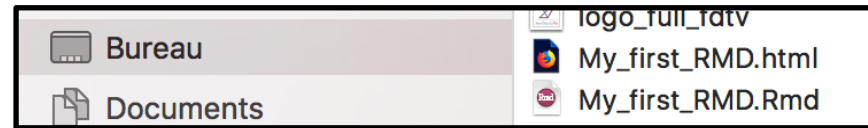

2 – Put a few files in it

3 – Publish the repo

4– Have a look to it online

4 - .HTML output is ready

- Have a look to your current directory

- Open the .html in a browser

.html

.rmd

A Rmd example

Yan Holtz ← header

23/02/2018

R Markdown ← Title

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com. ← Text

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)        ← Code
```

```
##      speed           dist
## Min.   : 4.0   Min.   :  2.00
## 1st Qu.:12.0   1st Qu.: 26.00     ← Code
## Median :15.0   Median : 36.00        result
## Mean   :15.4   Mean   : 42.98
## 3rd Qu.:19.0   3rd Qu.: 56.00
## Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:

Your first 'commit'

Always add a readMe

Your first issue

Store your .html file online

Thanks

Slides: Yan-holtz/teaching

Github: Github.com

✉ Yan.holtz.data@gmail.com

🏠 www.yan-holtz.com

🐦 @R_Graph_Gallery

github.com/holtzy