

Data Science Unit 1

GitHub and Version Control



What is Version Control?



VERSION CONTROL

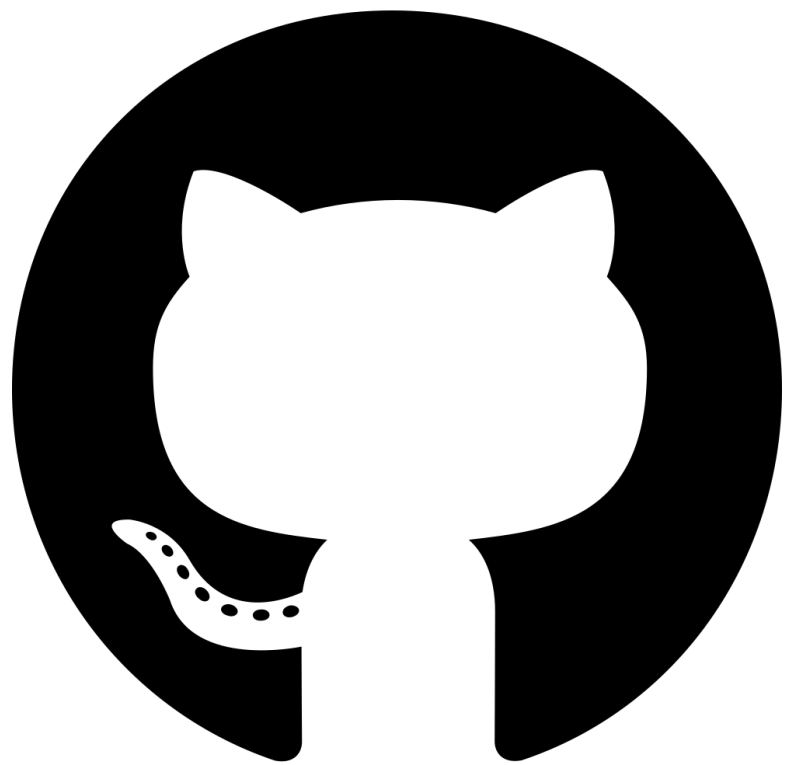
a developer's best friend

Github





Github





Alastair-Tyson

[Edit profile](#) WhiteHat

 Brentwood, UK

<https://www.atyson-datascience.com/>

Repositories 18

 Packages

Customize your pins

- Python

66

Contribution settings ▾





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[Alastair-Tyson](#) / [Regression-Demonstration](#)

Unwatch [1](#)

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master 1 branch 0 tags

[Go to file](#)

[Add file](#)

Code



Alastair Tyson and Alastair Tyson ready to upload

546c354 on 8 Mar 4 commits



.gitignore

ready to upload

7 months ago



README.md

Update README.md

7 months ago



application.py

lin regress first upload

7 months ago



requirements.txt

lin regress first upload

7 months ago

README.md



Regression-Demonstration

Linear Regression Demonstration

Enter x and y coordinates to table and watch how regression line tries to best fit the data. Option to add in residual lines and mean line for comparison R^2 , MAE and RMSE returned below.

Activities:

1. Enter in 10 values and observe the metric scores underneath

About



Linear Regression Demonstration: Enter in coordinates and watch how regression line changes.

[Readme](#)

Releases


No releases published
[Create a new release](#)


Packages













No packages published
[Publish your first package](#)

Languages

Python 100.0%

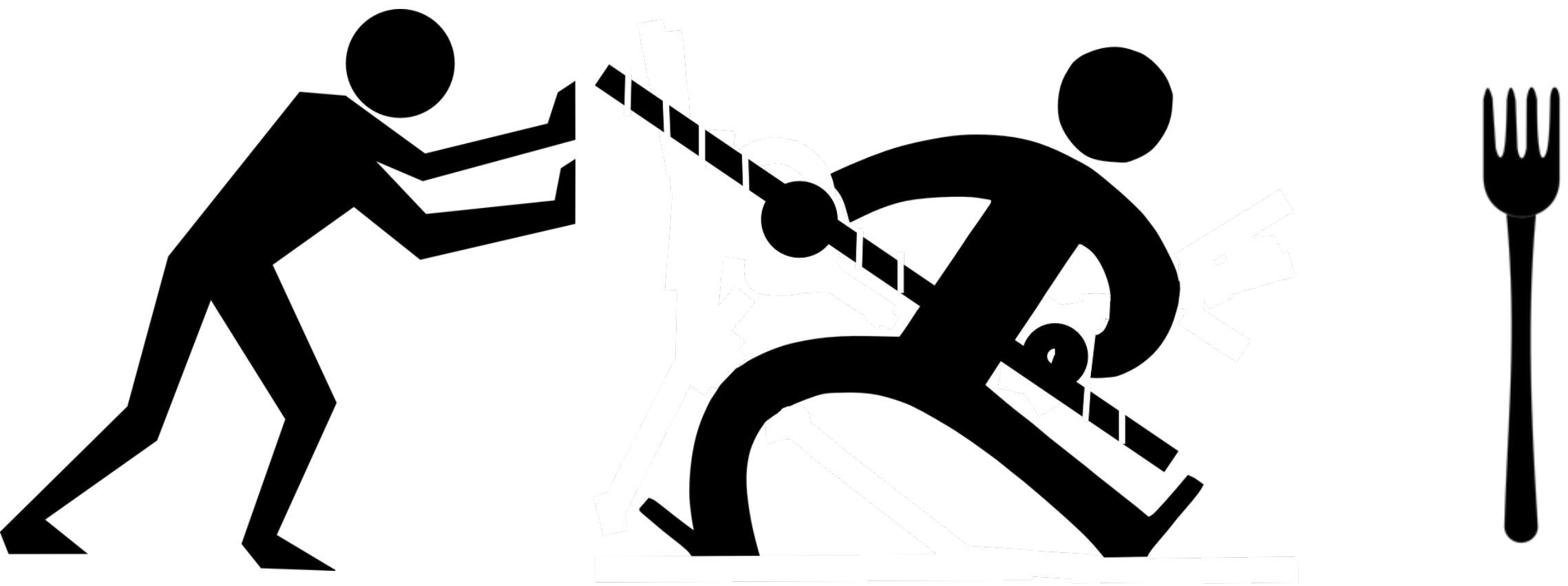
 master

 Commits on Mar 8, 2020

ready to upload  Alastair Tyson authored and Alastair Tyson committed on 8 Mar	 546c354 
lin regress first upload  Alastair Tyson authored and Alastair Tyson committed on 8 Mar	 940764f 
Update README.md  Alastair-Tyson committed on 8 Mar	<div>Verified  86a213c </div>
Initial commit  Alastair-Tyson committed on 8 Mar	<div>Verified  a6cc3b2 </div>

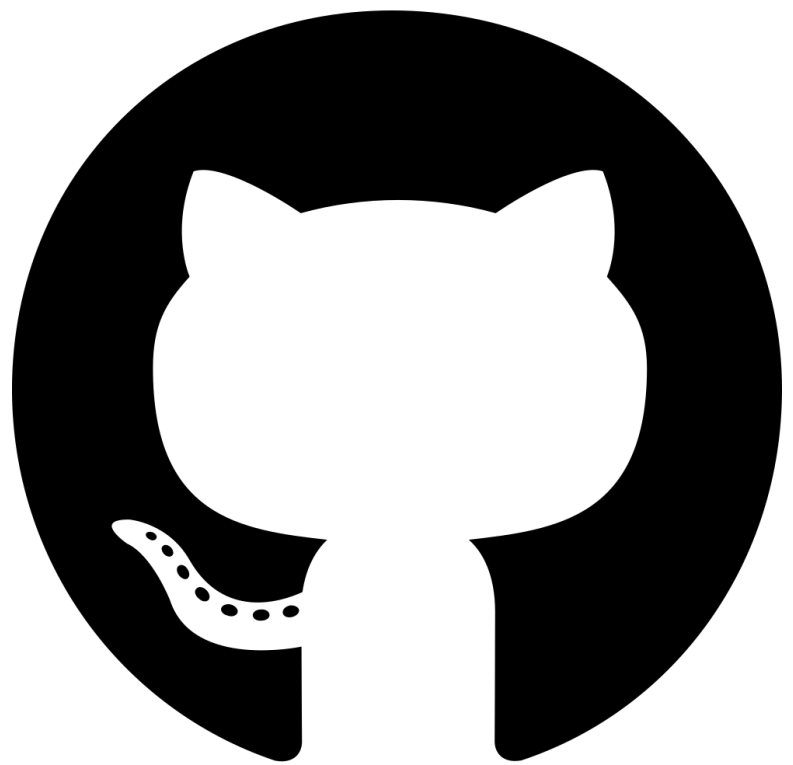
Newer

Older



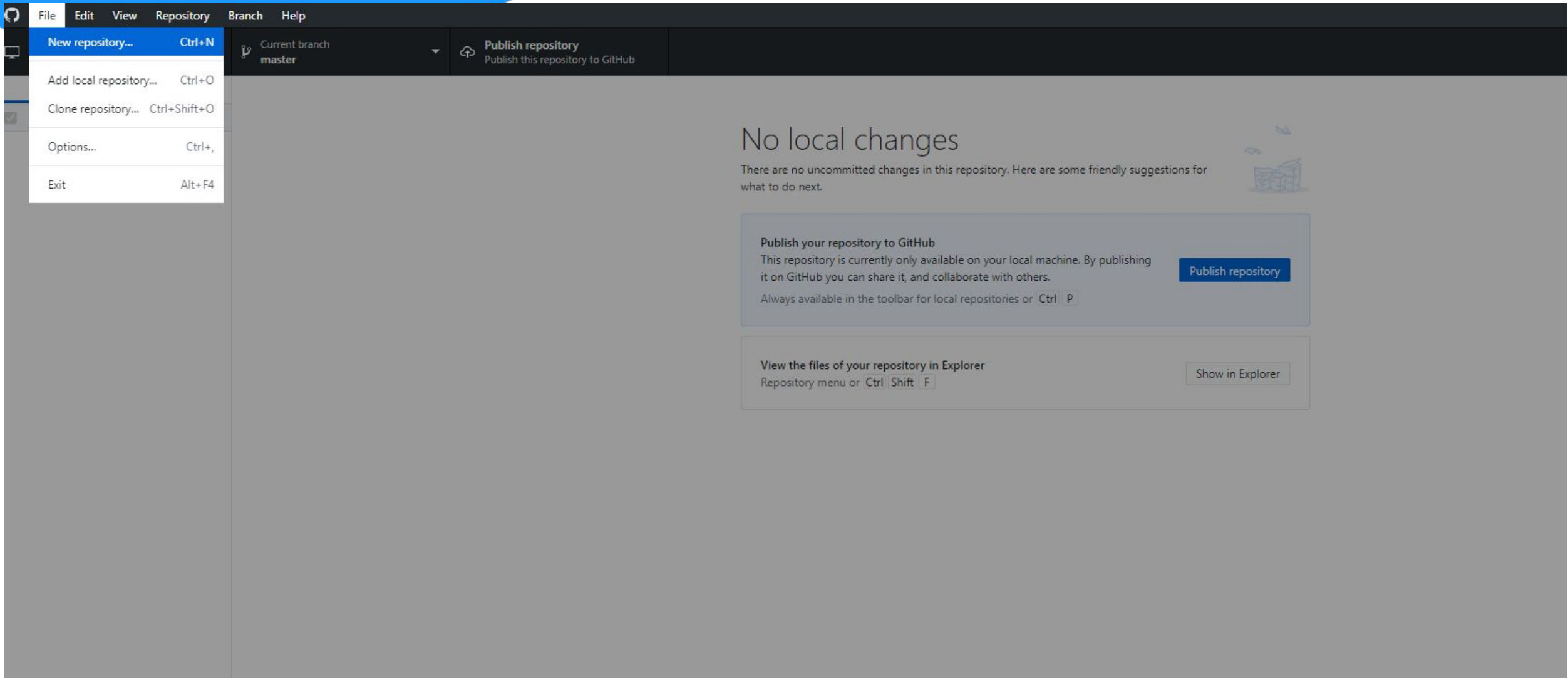


Github



Using the app





Create a new repository

✕

Name

white_hat_ds_bootcamp

Description

Local path

C:\Users\Alastair Tyson\Documents\GitHub

Choose...

☒ Initialize this repository with a README

Git ignore

None

▼


License


None


▼


Create repository

Cancel

FileEditViewRepositoryBranchHelp

Current repository
white_hat_ds_bootcamp


Current branch
master

**Publish repository**
Publish this repository to GitHub

Changes 1

History

☒ 1 changed file

☒ Hello.txt 

Hello.txt



Search or jump to...



Pull requests

Issues

Marketplace

Explore



Alastair Tyson

ALASTAIR TYSON

Overview



Repositories

19



Projects

1



Packages

Find a repository...

Type: All

Language: All



New

white_hat_ds_bootcamp

Private



Star

Updated 2 minutes ago

Plotly-Dash-Demo



Jupyter Notebook

Updated on 11 May



Star

🔑 master ▾


🔑 1 branch

🏷️ 0 tags

Go to file

Add file ▾

📄 Code ▾



Alastair-Tyson Initial commit

cfbfdb0 36 minutes ago ⌚ 1 commits

📄 .gitattributes

Initial commit

36 minutes ago

📄 README.md

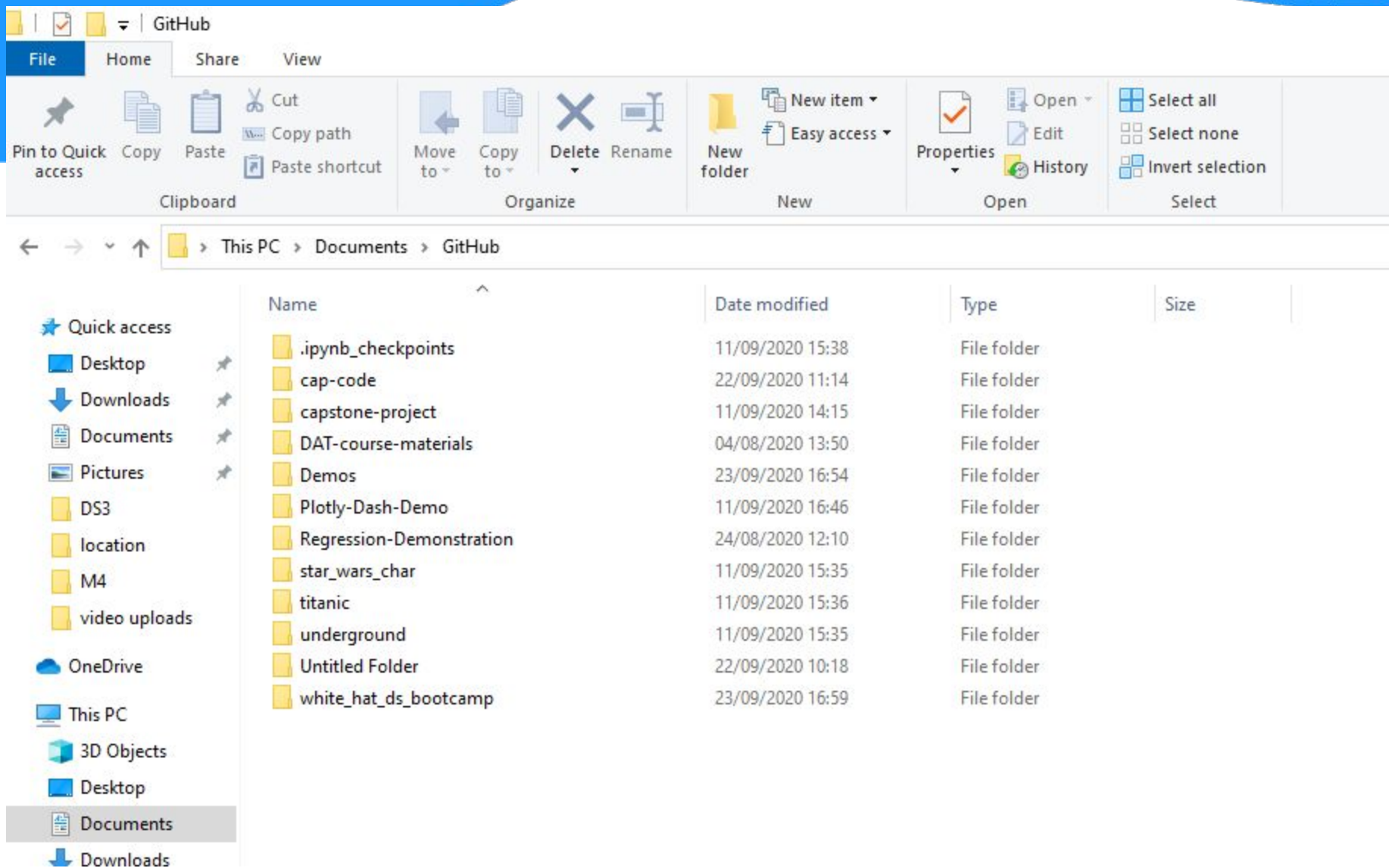
Initial commit

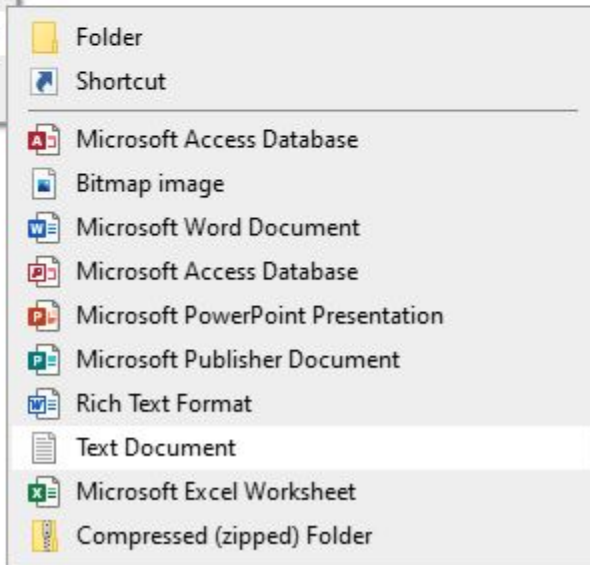
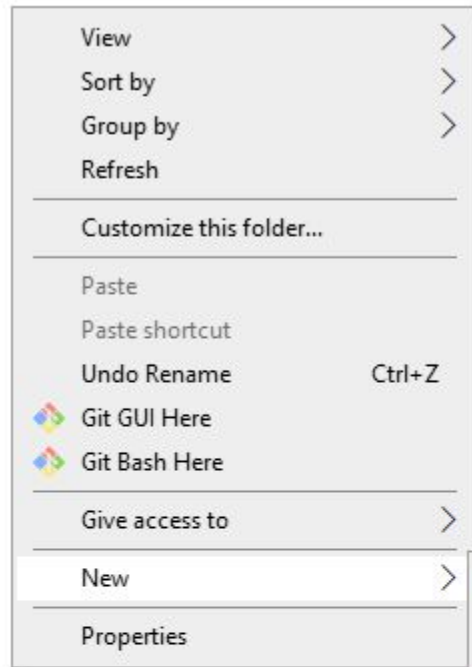
36 minutes ago

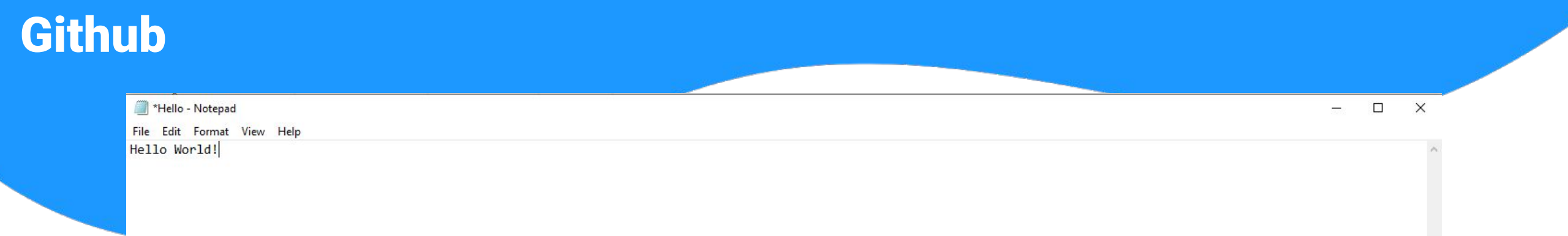
README.md

🖋️

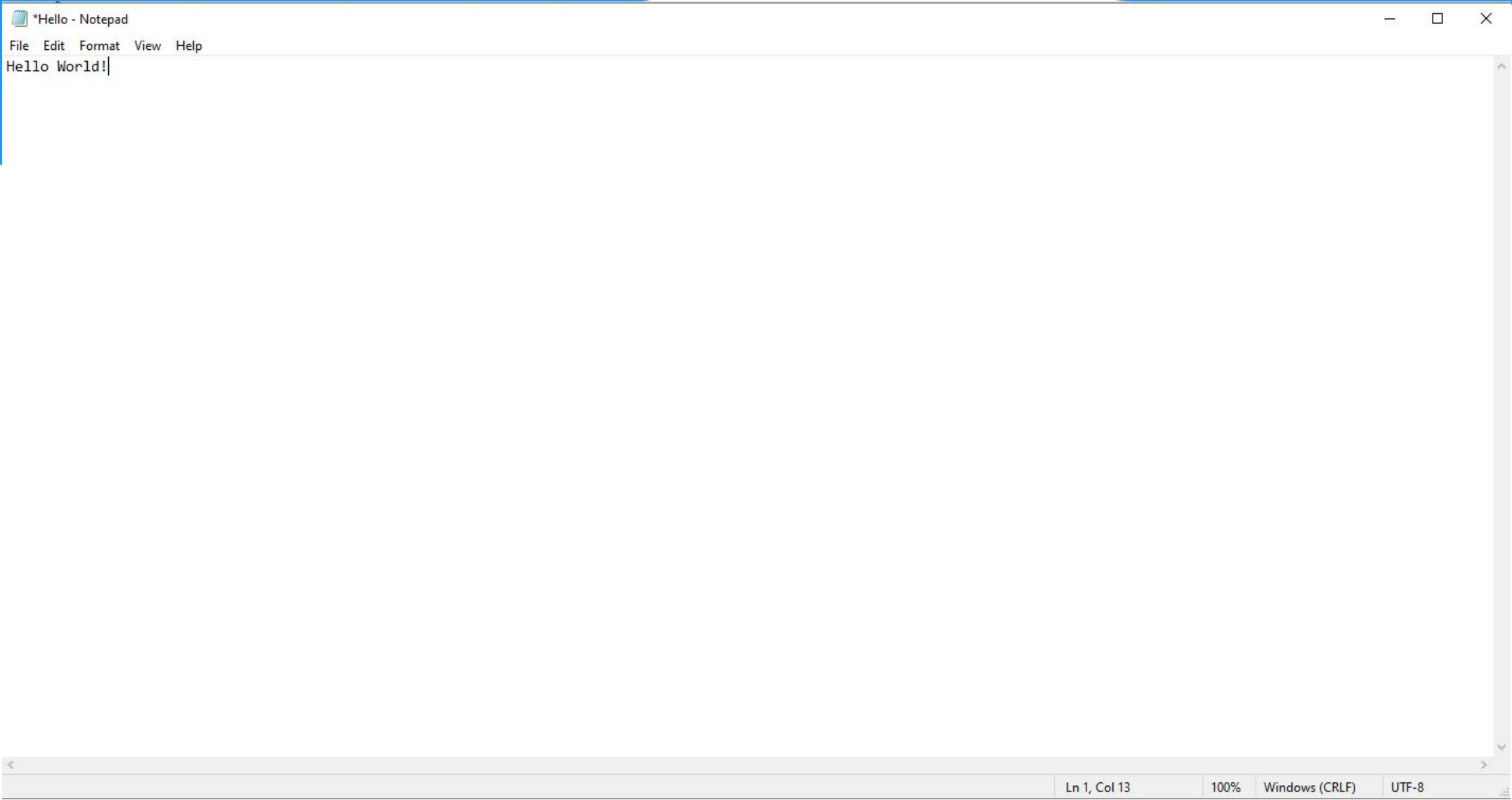
white_hat_ds_bootcamp










Github



 Current repository
white_hat_ds_bootcamp


 Current branch
master

 **Push origin**
Last fetched 7 minutes ago 1 ↑

Changes 1


History

☒ 1 changed file


☒ Hello.txt 

Hello.txt


1

@@ -0,0 +1 @@
+Hello world! 

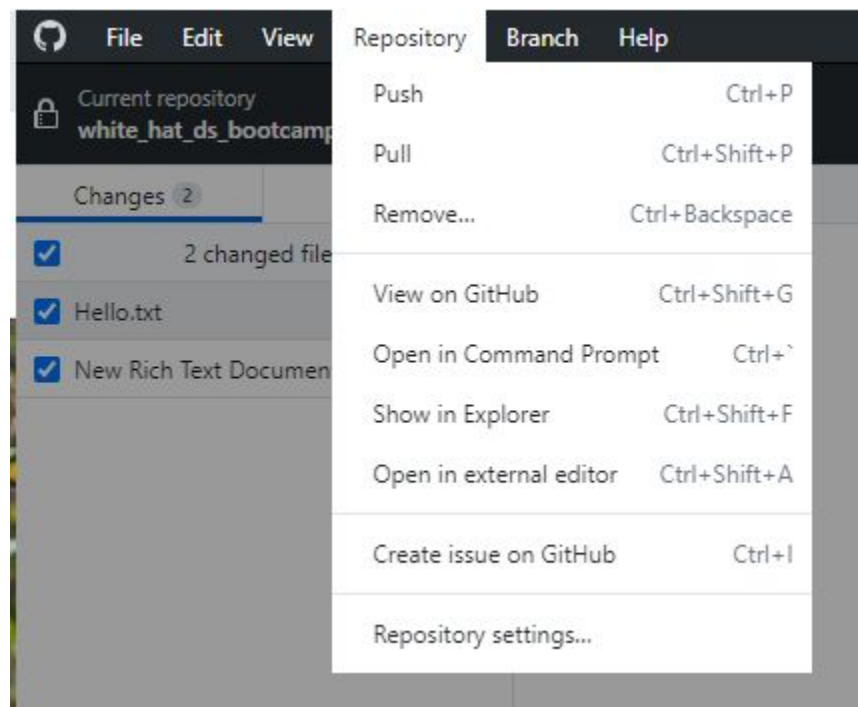




Description



Commit to **master**









Alastair-Tyson / white_hat_ds_bootcamp Private

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[master](#) [1 branch](#) [0 tags](#)

[Go to file](#) [Add file](#) [Code](#)

	Alastair-Tyson Update Hello.txt	efd8490 1 minute ago	🕒 3 commits
	.gitattributes	Initial commit	1 hour ago
	Hello.txt	Update Hello.txt	1 minute ago
	New Rich Text Document.rtf	first edit	13 minutes ago
	README.md	Initial commit	1 hour ago

README.md 

white_hat_ds_bootcamp



Search or jump to...



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[Spaces](#)

[2](#)

[No wrap](#)

1 How to pull from Github

Commit new file

Create dfd


Add an optional extended description...

☒ Commit directly to the `master` branch.

☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

[Commit new file](#)


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 master ▾


 1 branch

 0 tags






[Go to file](#)

[Add file ▾](#)


[Code ▾](#)

 Alastair-Tyson Create demo_pull

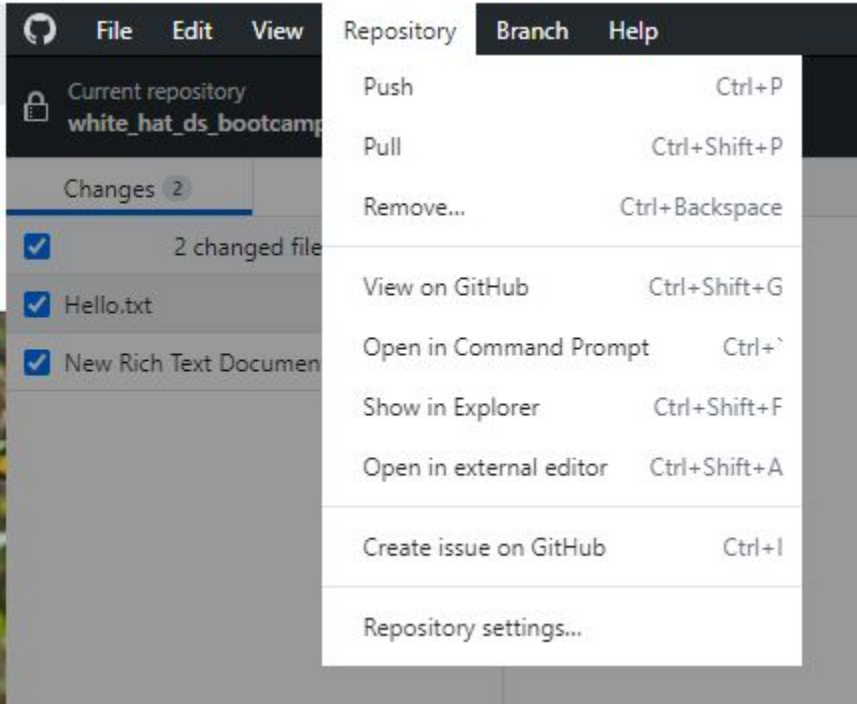
35cf390 2 minutes ago ⌚ 4 commits

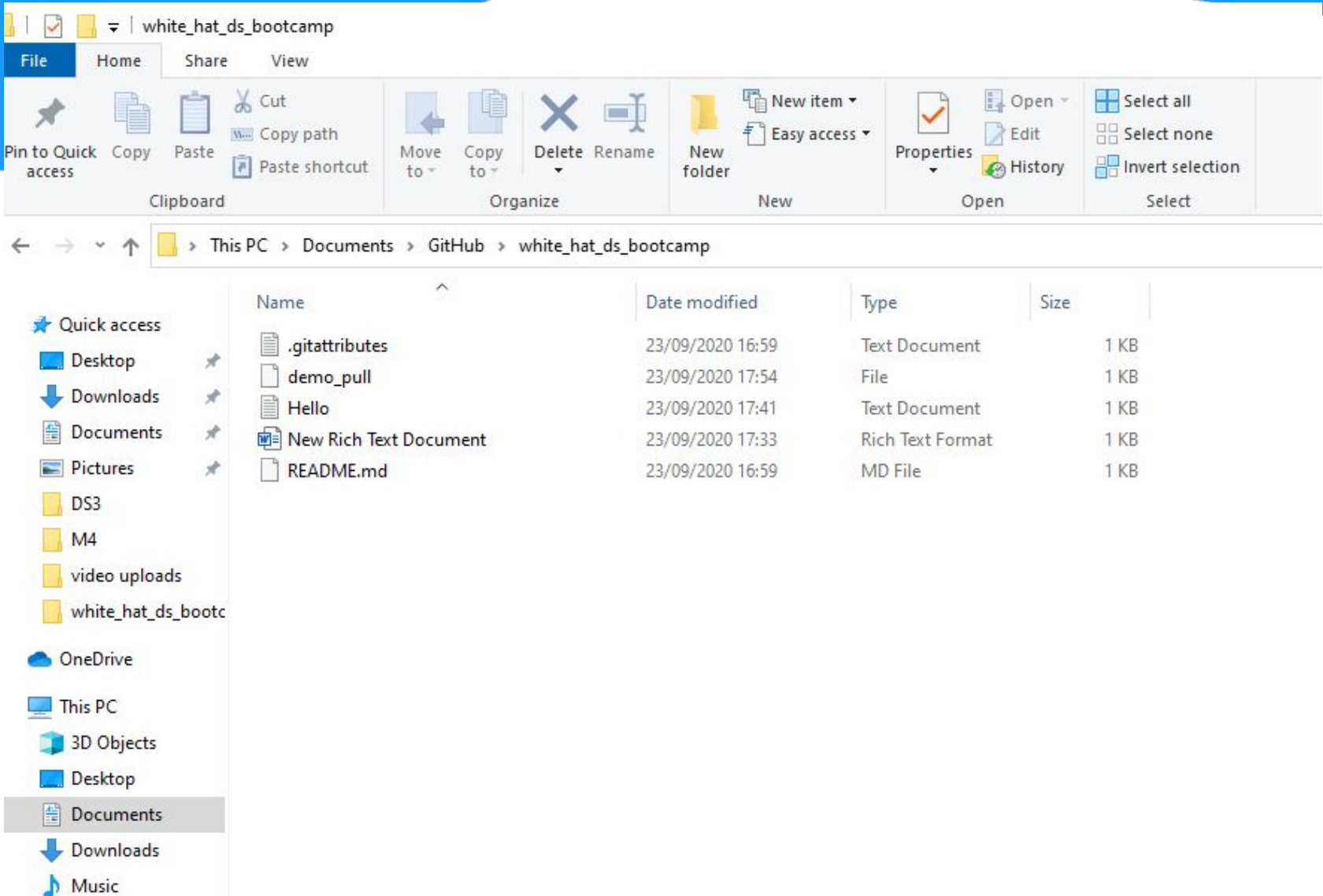
 .gitattributes	Initial commit	1 hour ago
 Hello.txt	Update Hello.txt	6 minutes ago
 New Rich Text Document.rtf	first edit	18 minutes ago
 README.md	Initial commit	1 hour ago
 demo_pull	Create demo_pull	2 minutes ago

README.md



white_hat_ds_bootcamp





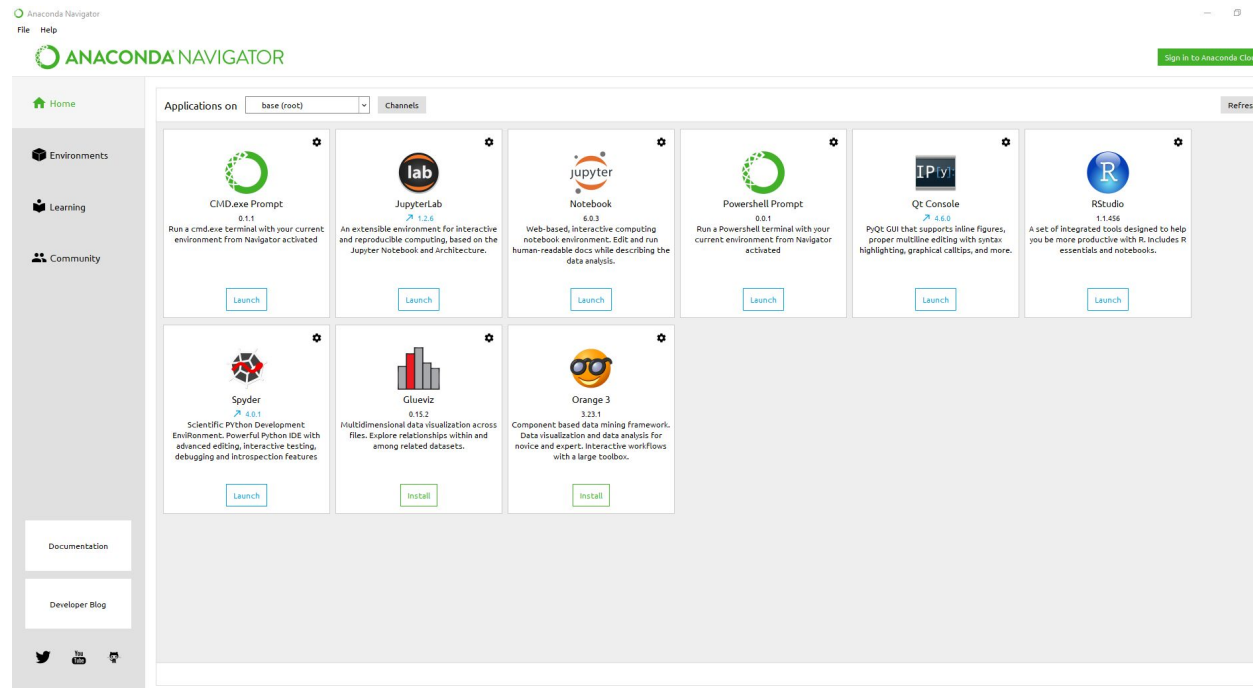
Jupyter Notebook





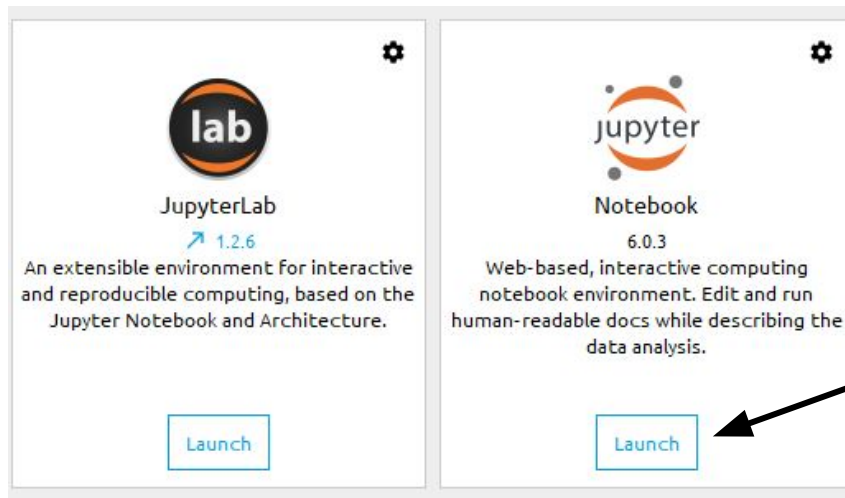
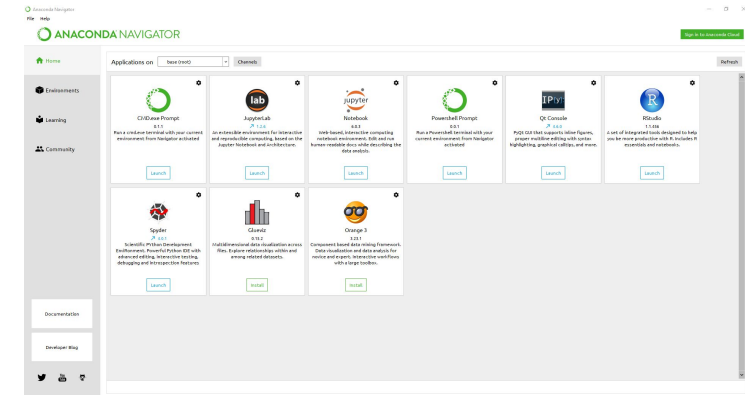
Jupyter Notebook

- You should have installed Anaconda by now.
- Open “Anaconda Navigator”. You should see this:




Jupyter Notebook

- You should have installed Anaconda by now.
- Open “Anaconda Navigator”. You should see this:
- Check to see if Jupyterlab and Jupyter notebook are installed. They should show “Launch”



Jupyter Notebook

 jupyter

Quit

Logout

Files


Running



















Clusters

Select items to perform actions on them.

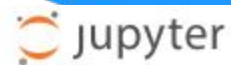
Upload

New ▾



<input type="checkbox"/> 0 ▾  /	Name ▾	Last Modified	File size
<input type="checkbox"/>  3D Objects		a month ago	
<input type="checkbox"/>  anaconda3		5 months ago	
<input type="checkbox"/>  Contacts		a month ago	
<input type="checkbox"/>  Desktop		10 days ago	
<input type="checkbox"/>  Documents		14 days ago	
<input type="checkbox"/>  Downloads		a day ago	
<input type="checkbox"/>  Favorites		17 days ago	
<input type="checkbox"/>  Links		a month ago	
<input type="checkbox"/>  Music		a month ago	
<input type="checkbox"/>  OneDrive		9 hours ago	
<input type="checkbox"/>  Pictures		5 days ago	
<input type="checkbox"/>  Projects		5 months ago	
<input type="checkbox"/>  Saved Games		a month ago	
<input type="checkbox"/>  Searches		a month ago	
<input type="checkbox"/>  Videos		a month ago	
<input type="checkbox"/>  Untitled.ipynb		5 months ago	72 B
<input type="checkbox"/>  Untitled1.ipynb		2 months ago	5.11 kB

Jupyter Notebook



Quit

Logout

Files

Running

Clusters

Select items to perform actions on them.


Upload

New ▾

<input type="checkbox"/> 0 ▾	/ Documents / GitHub / white_hat_ds_bootcamp			Name ▾	Last Modified	File size
	..				seconds ago	
<input type="checkbox"/>	demo_pull				16 minutes ago	25 B
<input type="checkbox"/>	Hello.txt				30 minutes ago	12 B
<input type="checkbox"/>	New Rich Text Document.rtf				37 minutes ago	7 B
<input type="checkbox"/>	README.md				an hour ago	26 B



Jupyter Notebook

 **jupyter** Untitled Last Checkpoint: a few seconds ago (unsaved changes)



Logout

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

 Run

Code



```
In [ ]: |
```



Jupyter Notebook

```
In [1]: print('Hello World')
```

Hello World

```
In [ ]: |
```

Jupyter Notebook

master

white_hat_ds

Alastair-Tyson first jupyter

1 contributor

49 lines (49 sloc) | 810 Bytes

In [1]: `print('Hello World')`
Hello World

In []:

Today (1)

1- EDA using Python

24/09/2020 11:42

Compressed (zipped)...

1,965 KB

Open

Open in new window

Share with Skype

Extract All...

Pin to Start

Scan with Webroot

Share

Open with...

Give access to

Restore previous versions

Send to

Cut

Go to file

18 seconds ago

History

Blame

Activity





Activity

- **Create a new repository on your online Github account**
- **On your desktop app, go to file and select 'clone repository' and pull the new one you just created**
- **If you have any personal projects that you don't mind going public, put them in this folder**
- **Change to this repository on your app and commit the changes**
- **Push to the remote repository and check to see if it worked**



10 minutes

Moving Forward





Jupyter Notebook

▼ Today (1)

1- EDA using Python

> Last week (2)

> Earlier this month (3)

> Last month (70)

> Earlier this year (475)

24/09/2020 11:42	Compressed (zipped)...	1,965 KB
------------------	------------------------	----------

Open

Open in new window

Share with Skype

Extract All...

Pin to Start

Scan with Webroot

Share

Open with...

Give access to


Restore previous versions


Send to

Cut



Jupyter Notebook

▼ Today (1)			
 1- EDA using Python	24/09/2020 11:42	Compressed (zipped)...	1,965 KB
➤ Last week (2)			
➤ Earlier this month (37)			
➤ Last month (70)			
➤ Earlier this year (475)			

←  Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder:

C:\Users\Alastair Tyson\Downloads\1- EDA using Python

Browse...

☒ Show extracted files when complete

Extract

Cancel

Jupyter Notebook

← Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder:
C:\Users\Alastair Tyson\Downloads\1- EDA us

☒ Show extracted files when complete

Select a destination

← → ↕ ↗ > This PC > Documents > GitHub > 🔍 Search GitHub

Organize ▾ New folder









	Name	Date modified	Type	Size
📁	M4			
📁	video uploads			
📁	white_hat_ds_bo			
☁	OneDrive			
💻	This PC			
📦	3D Objects			
🖥	Desktop			
📄	Documents			
⬇	Downloads			
🎵	Music			
🖼	Pictures			
🎬	Videos			
💾	OS (C:)			
🌐	Network			
	.ipynb_checkpoints	11/09/2020 15:38	File folder	
	cap-code	22/09/2020 11:14	File folder	
	capstone-project	11/09/2020 14:15	File folder	
	DAT-course-materials	04/08/2020 13:50	File folder	
	Demos	23/09/2020 16:54	File folder	
	Plotly-Dash-Demo	11/09/2020 16:46	File folder	
	Regression-Demonstration	24/08/2020 12:10	File folder	
	star_wars_char	11/09/2020 15:35	File folder	
	titanic	11/09/2020 15:36	File folder	
	underground	11/09/2020 15:35	File folder	
	Untitled Folder	22/09/2020 10:18	File folder	
	white_hat_ds_bootcamp	23/09/2020 18:13	File folder	

Folder: white_hat_ds_bootcamp

Select Folder Cancel



Jupyter Notebook

 .ipynb_checkpoints	23/09/2020 18:12	File folder	
 exploratory-data-analysis	24/09/2020 11:45	File folder	
 .gitattributes	23/09/2020 16:59	Text Document	1 KB
 demo	23/09/2020 18:13	IPYNB File	1 KB
 demo_pull	23/09/2020 17:54	File	1 KB
 Hello	23/09/2020 17:41	Text Document	1 KB
 New Rich Text Document	23/09/2020 17:33	Rich Text Format	1 KB
 README.md	23/09/2020 16:59	MD File	1 KB