

Git

Data Science Enrichment – Week 4

Efi Psomopoulou





















Other Services

- •gitlab.com
- bitbucket.org

Service

Set up

- Download and install Git
 - Creating a local git repository
 - Adding a new file
 - Create a commit
- Create a free GitHub.com account

Set up

- Download and install <u>Git</u>
 - Creating a local git repository
 - Adding a new file
 - Create a commit
- Create a free GitHub.com account

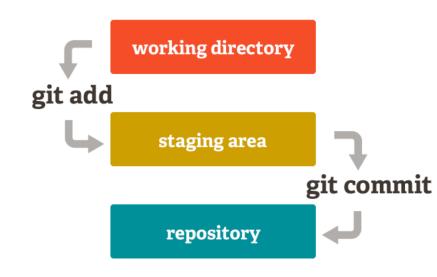


https://rb.gy/11k11

States of Git

Workflow





Tutorial to set up local repository

https://medium.com/@munniomer/an-intro-to-git-and-github-forbeginners-part-i-tutorial-9be4be9cac8d



https://rb.gy/wdvzo

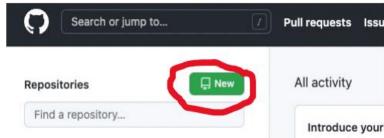
Set up

- Download and install Git
 - Creating a local git repository
 - Adding a new file
 - Create a commit
- Create a free GitHub.com account

Set up GitHub

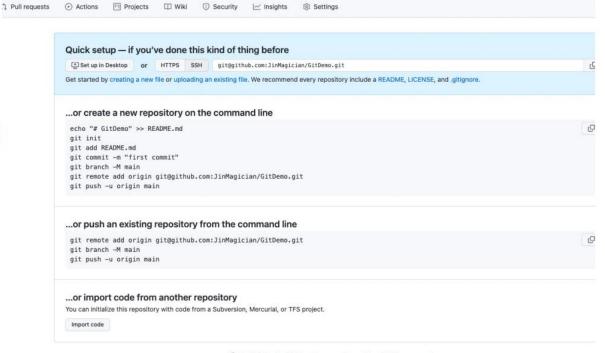
 Create a GitHub account if you haven't got one.

- Log into your GitHub account.
- Create a new repo with:
 - Repository name: GitDemo



Set up GitHub

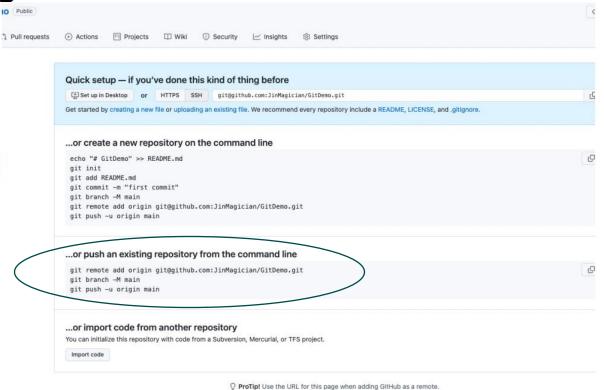
 You will see this page after creating your project.



O ProTip! Use the URL for this page when adding GitHub as a remote.

Set up GitHub

 You will see this page after creating your project.



- In your SSH Terminal Window:
 - -push your local repo to remote repo git push origin master
 - -type yes if you get the following

The authenticity of host 'github.com (140.82.113.4)' can't be established. ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOttrVc98/R1BUFWu3/LiyKgUfQM. Are you sure you want to continue connecting (yes/no)? yes

-- You will see this error message

git@github.com: Permission denied (publickey). fatal: Could not read from remote repository.

Please make sure you have the correct access rights and the repository exists.

Question: How to connect to the remote repo? Hint: Authentication

Set up SSH!



https://rb.gy/swp1e

In your SSH Terminal Window:

```
- generate ssh key pairs

ssh-keygen -t rsa (and press enter 4 times)

:~/app (master) $ ssh-keygen -t rsa

Generating public/private rsa key pair.

Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /home/ubuntu/ ssh/id_rsa.

Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub.

The key fingerprint io:

SHA256:pz7onIFOhRpwzoSCWto@VDvizvS1RbiVzN2LKwgmavo ubuntu@ip-172-31-83-223

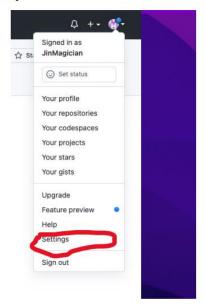
The key's randomart image is:

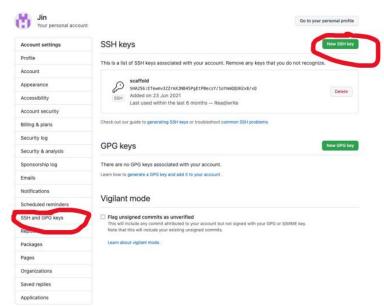
-- print public key
```

-- copy your key

cat /home/ubuntu/.ssh/id rsa.pub

In your GitHub account, click Settings, then click SSH and GPG keys, New SSH key





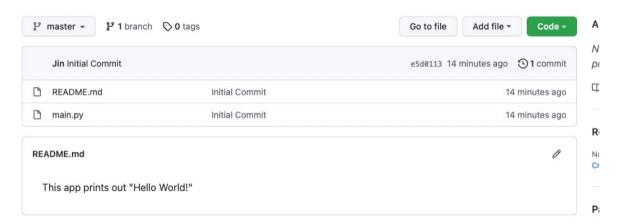
In your GitHub account, create New SSH key with

Title: github-demo

Key: the key you just copied

Add SSH key

- In your SSH Terminal Window:
 - push your local repo to remote repo git push origin master
- Check the repo in you GitHub account.



Useful resources

Visual Cheatsheet



https://rb.gy/6y01c

GitHub Cheatsheet



rebrand.ly/ldanagj