

Git and GitHub

What is Git?

It is a Version Control System (VCS):

- Have multiple versions of a code (often across multiple developers/teams)
- You (and others) can see changes in the code and revert them

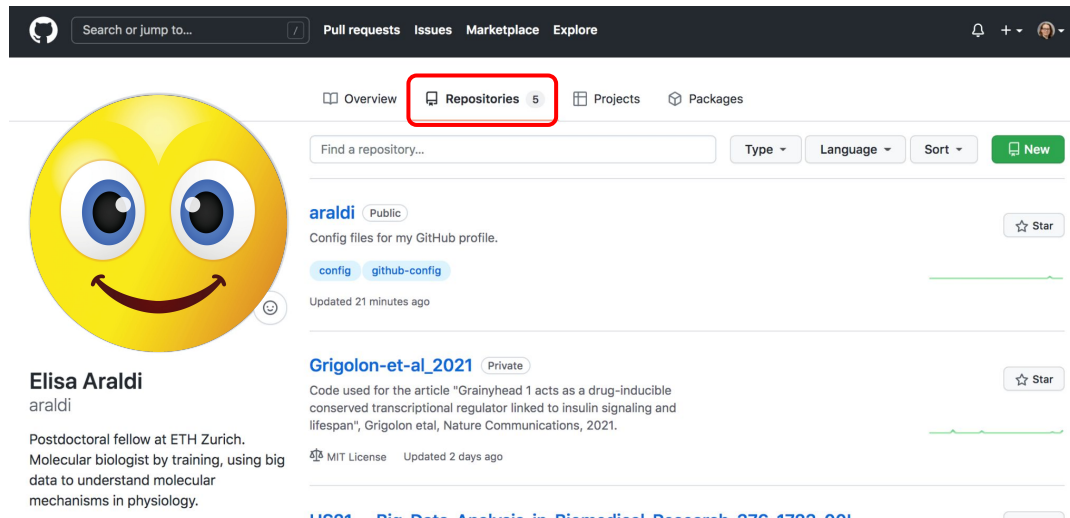
What is Github.com?

It is a website that hosts git repositories on a remote server:

- Having repositories online helps sharing codes among teams/rest of the world

How to?

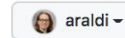
1. Create a Github account;
2. Create a Github repository (include a README file with info on the project);



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Owner *



araldi ▾

Repository name *

big-data-final-project



Great repository names are short and memorable. Need inspiration? How about [furry-giggle](#)?

Description (optional)

This is the repo of my final project for the Big data analysis in biomedicine course



Public

Anyone on the internet can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.



Add a README file

This is where you can write a long description for your project. [Learn more](#).



Add .gitignore

Choose which files not to track from a list of templates. [Learn more](#).



Choose a license

A license tells others what they can and can't do with your code. [Learn more](#).

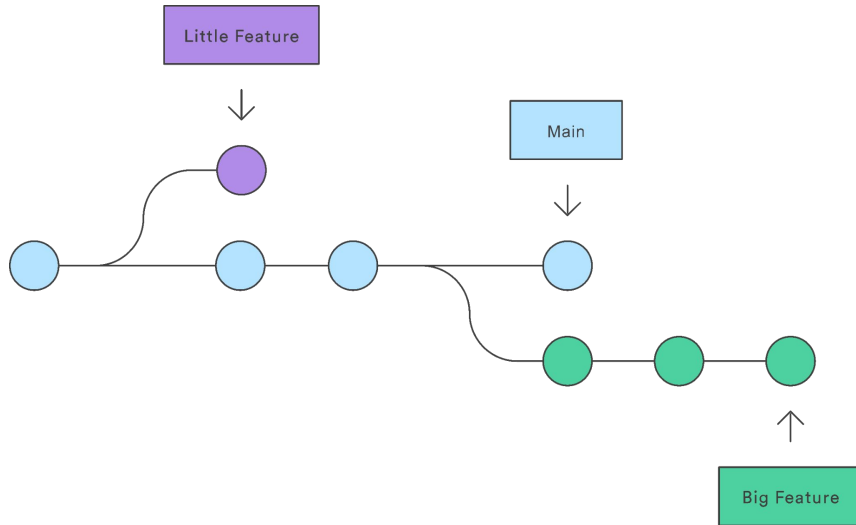
This will set `main` as the default branch. Change the default name in your [settings](#).

Create repository

Make it private in the initial stages,
but you can share with whom you
want

Branches

You can create multiple branches (versions) of the same repository. The branches can be considered versions where to experiment, while the main branch is used to make definitive edits.



araldi / **HS21---Big-Data-Analysis-in-Biomedical-Research-376-1723-00L** Public Unwatch 2 Star 1 Fork 2

Switch branches or tags

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

Go to file Add file Code About

Find or create a branch...

Branches Tags

main default

View all branches

Week5

Week6

numpy

pandas

Intro_to_NumPy.ipynb

Intro_to_NumPy_solutions.ipynb

Intro_to_pandas.ipynb

Intro_to_pandas_solutions.ipynb

Intro_to_python.ipynb

Intro_to_python_more_exercises.i...

Intro_to_python_more_exercises.s...

Intro_to_python_solutions.ipynb

README.md

Week1_homework.ipynb

Week1_homework_solution.ipynb

Week2_homework.ipynb

Week2_homework_solution.ipynb

454b62b 15 minutes ago 82 commits

Created using Colaboratory 25 days ago

Created using Colaboratory 14 days ago

Created using Colaboratory 7 days ago

Created using Colaboratory 3 days ago

Created using Colaboratory 15 minutes ago

Add files via upload 26 days ago

Update README.md 25 days ago

2021_10_01 27 days ago

2021_10_01 Solutions to NumPy in class exercises 26 days ago

2021_09_29 lecture 28 days ago

Solutions to pandas exercises from 2021.09.29 27 days ago

Created using Colaboratory last month

Created using Colaboratory last month

Created using Colaboratory last month

Created using Colaboratory last month

Create README.md last month

Created using Colaboratory last month

Created using Colaboratory 27 days ago

Created using Colaboratory 26 days ago

Created using Colaboratory 19 days ago

About

No description, website, or topics provided.

Readme

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

Jupyter Notebook 100.0%

Make and commit changes

hubot / hello-world

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

hello-world / README.md or cancel

<> Edit file Preview changes Spaces 2 Soft wrap

```
1 # hello-world
2
3 Hi Humans!
4
5 Hubot here, I like Node.js and Coffeescript (that's what I'm made of!).
6 I've had tacos on the moon and find them far superior to Earth tacos.
7
```

Commit changes

Finish README

And mention moon tacos

☒ Commit directly to the `readme-edits` branch

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

Commit changes Cancel

Add the description of the change

Pull request and merge

If the changes are made in a branch outside of the main branch, open a **pull request** to implement the changes in the main branch. Mostly used for collaborative work.

Merging pull requests confirms the changes in the main branch

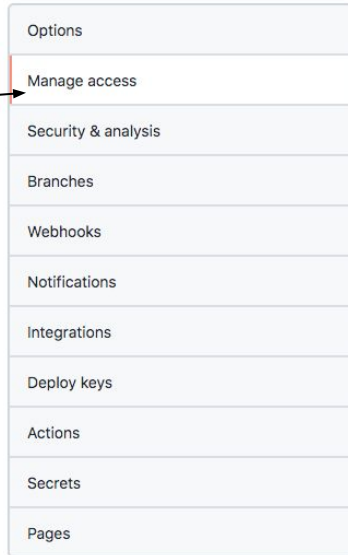
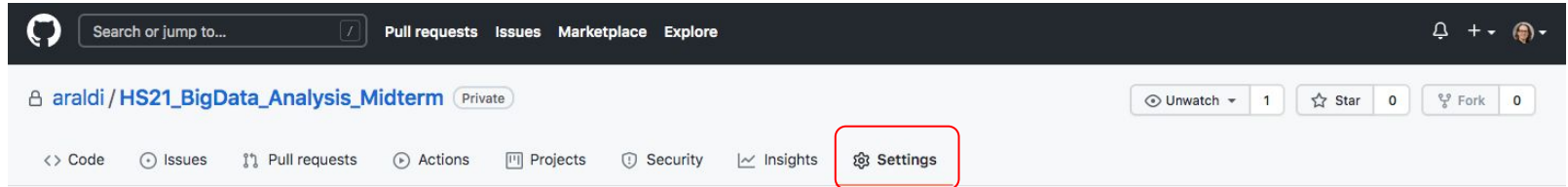
Forking projects

A **fork** produces a personal copy of the repository.

Clone the repository on your computer, using GitHub desktop or command line, to edit in a remote Jupyter notebook. **Push** changes/commits when ready.

OR open it in Google Colab, change the file there, then “Save a copy on GitHub” to save back to the GitHub repository.

To add people to a private repository



Who has access

PRIVATE REPOSITORY

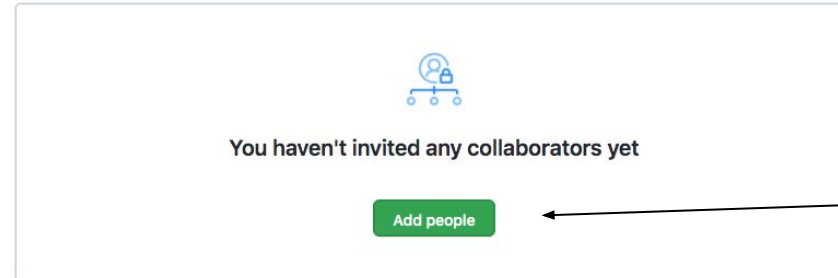
Only those with access to this repository can view it.

[Manage](#)

DIRECT ACCESS

0 collaborators have access to this repository. Only you can contribute to this repository.

Manage access



Do not forget to register for the midterm by tomorrow Nov 3rd!!

<https://moodle-app2.let.ethz.ch/mod/url/view.php?id=819293>