Week 2

COGS 108 Sp 2025

Due dates

- Q1: Due on Monday (04/07)
- Practice Assignment: Due on Wednesday (04/09)
- D1: Due on Friday (04/11)

Datahub/JupyterLab



Do not forget to submit(time-stamps)



Validate

- Only pass public tests
- Validate != Submit
- might need to optimize your code if runs too long

Datahub/JupyterLab



Do not re-submit after due dates

- Please double check before submitting
- JupyterLab won't store your code

Do not delete the original cell

- autograde based on cell ID

```
Note: Make sure you provide your GitHub username, not the email address you used to create the account, follow instructions, and avoid typos. You will
         not get credit for this section if typos are made.
In [1]:
                                                                                               D: cell-784114344a572182
                                                                                                                       Autograded answer
         ### BEGIN SOLUTION
         PID = 'A1234567'
         github_username = 'ShanEllis'
In [2]:
         # if you navigate to this link
         # it should open your GitHub page
         # if it doesn't, fix your username above
         'www.github.com/' + github_username
Out[2]: 'www.github.com/ShanEllis'
In [3]: A
                                                                                             ID: cell-216ded1c5ab2c280
                                                                                                                       Autograder tests
         assert PID
         assert github_username
         Part 2: Python (5.5 points)
```

Github



1. Fork

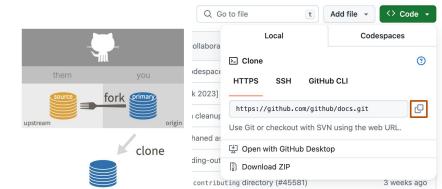
A "fork" is just an independent copy of a repository that you can develop on without affecting the original.

2. Clone

Creates a local copy of a repository on your machine.

3. You can "push" changes back to the remote repository if you have permissions.

\$ git clone https://github.com/user/repo.git



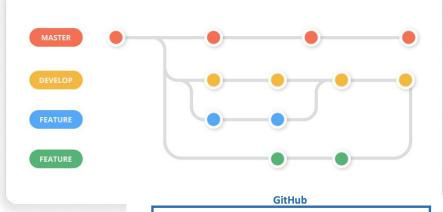
Branching

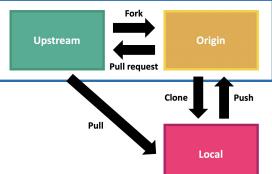
Branch will be independent of the clean, functioning "master" code and is a safe place for you to delete, modify and add code.

Pull Request

Asks the maintainers of the original repository to take a look at and hopefully integrate your code changes into their repository.

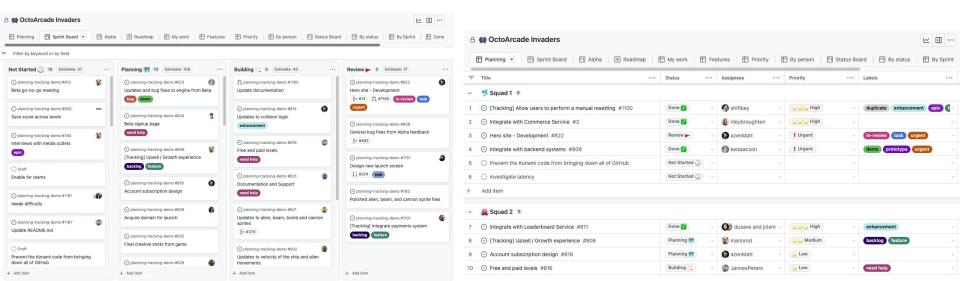






<u>GitHub Issues</u> are used to track tasks, enhancements, and bugs for a project, allowing team members to discuss and manage work collaboratively.

<u>GitHub Projects</u> is a tool to organize and track the progress of issues and pull requests in a board view, helping teams visualize workflows and prioritize tasks.



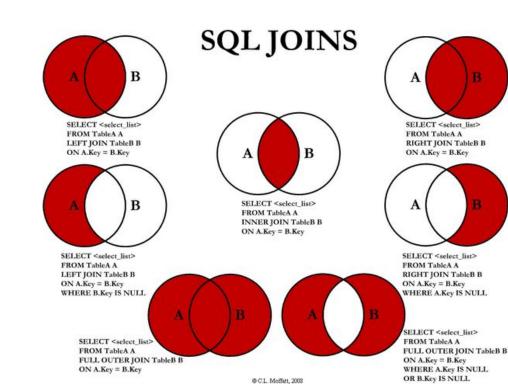
Dataset

- 1. kaggle https://www.kaggle.com/datasets
- 2. UCI Machine Learning Repository https://archive.ics.uci.edu/datasets
- 3. Google Dataset Search https://datasetsearch.research.google.com/
- 4. Github or other resources

Best practices when working with large data sets

Be careful when joining, aggregating, sorting, or filtering your dataset.

Make sure to limit the dataset to only columns and rows needed.



Your time to ...

- Talk to your classmates to find potential teammates!
- Work on D1