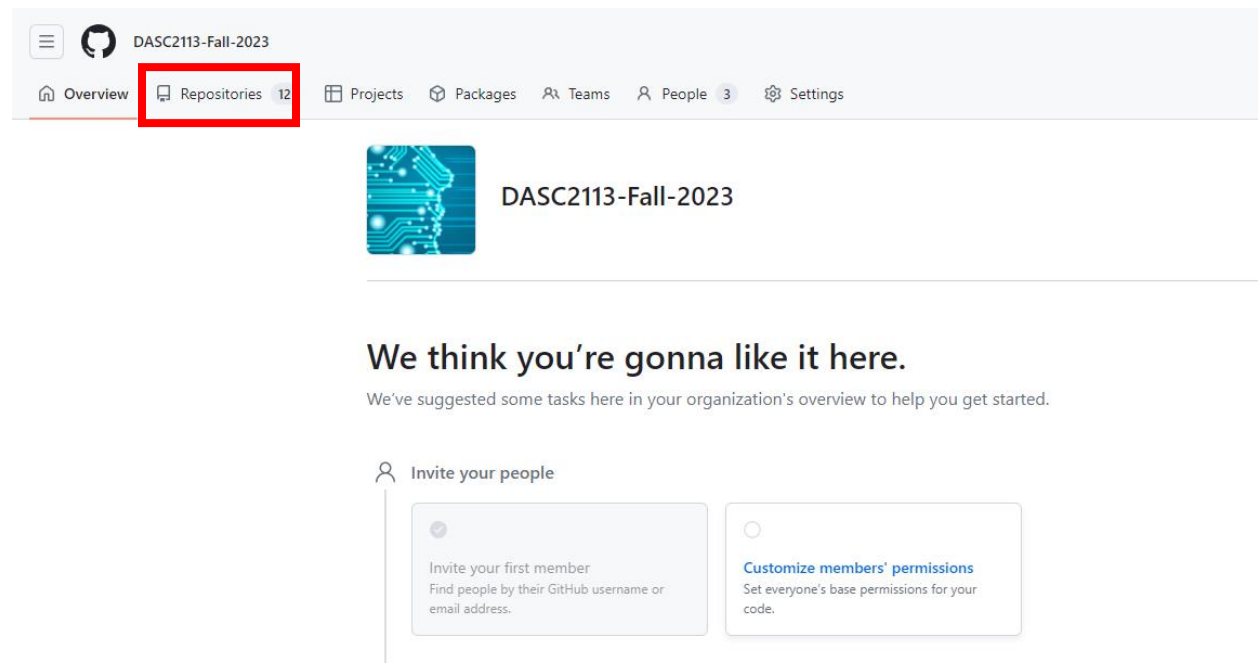


Getting Started w/ GitHub

In conjunction with this course there will be a class GitHub that will contain a large portion of the class material and case studies for this course. If you haven't created a GitHub yet navigate to this link to do so: <https://github.com/>

Once you have created your account use the invitation sent to your uark email to join the DASC-Fall-2023 group. If you need an invitation to the GitHub group contact jcothre@uark.edu or shchaiso@uark.edu for one.

Navigate to "Your organizations" and click on the class organization to be taken to this page. Click on repositories to be taken to the repos for each week.





DASC2113-Fall-2023



Overview



Repositories

12



Projects



Packages



Teams



People

3



Settings



DASC2113-Fall-2023

We think you're gonna like it here.

We've suggested some tasks here in your organization's overview to help you get started.



Invite your people



Invite your first member

Find people by their GitHub username or email address.



[Customize members' permissions](#)

Set everyone's base permissions for your code.

You will then be taken to this page that contains a repository for every week of the course. Each repo contains all the necessary information and material for that specific week. Each week will also contain a case study in the form of a Python Jupyter Notebook (.ipynb file) that will be completed by the student and turned into BlackBoard.

Type ▾

Language ▾

Sort ▾

New repository

Week-07

Private

Jupyter Notebook

0

0

0

0

Updated 2 days ago

Week-01

Private

Jupyter Notebook

0

0

0

0

Updated 2 days ago

Syllabus

Private

0

0

0

Updated 3 days ago

Week-06

Private

Jupyter Notebook

0

0

0

0

Updated 3 days ago

Week-14

Private

0

0

0

Updated 4 days ago

Week-12

Private

Jupyter Notebook

0

0

0

0

Updated 4 days ago

Week-11

Private

Jupyter Notebook

0

0

0

0

Updated 4 days ago

Week-08

Private

0

0

0

Updated 4 days ago

When you open a repo, you can view all of the information relevant to that week's course work. In order to download a copy of the information in these repos, you will have to clone the repository to your local computers using the HTTPS or SSH link provided. Git is required for this step, and more information about getting Git setup is provided in the Week-01 repo.

NOTE: Before cloning the repository, be sure to fork it first. This prevents pushing over personal changes into the repository that is viewable to everyone in the course. This can be done by selecting fork near the top right corner then "Create a new fork" to create a copy of the repository that is stored in your own GitHub account.

The screenshot shows a GitHub repository page for 'Week-01' (Private), forked from 'DASC2113-Fall-2023/Week-01'. The repository has 1 branch (main) and 0 tags. A red box highlights the 'Fork' button (4 forks) and the 'Create a new fork' option in the dropdown menu. Below the repository information, a table lists files and their commit history:

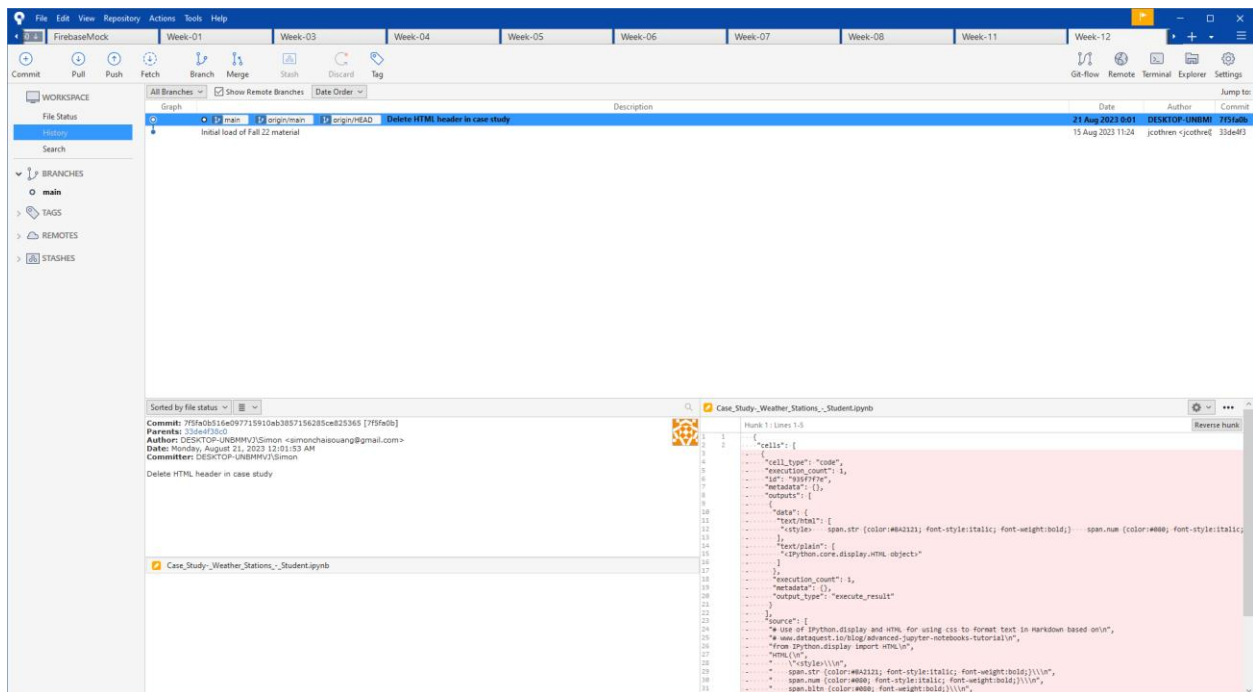
File	Commit History
Data	Initial load from Fall 22
2000_Board_Games.ipynb	Delete HTML
BayouMeto_Lidar_QA.csv	Initial load from Fall 22
Getting Started wGithub.pdf	Corrected getting started file
README.md	Update README.md
board_games_20.csv	Initial load from Fall 22
conda-cheatsheet.pdf	Initial load from Fall 22
conda-setup-mac.md	Update conda-setup-mac.md

The 'Code' dropdown menu is open, showing options for cloning the repository. The 'HTTPS' option is selected, and the URL `https://github.com/ScoutCodes/Week-01.git` is highlighted with a red box. Other options include 'SSH', 'GitHub CLI', 'Open with GitHub Desktop', and 'Download ZIP'.

OPTIONAL:

For those who don't like messing with git commands, there are alternative methods to managing your repositories such as using a Git GUI. One I highly recommend is [SourceTree](#). Since it comes with an embedded version of Git when you installed, you won't need to install Git prior to installing the app.

Once you have SourceTree installed and have connected your GitHub account, you will be taken to a page similar to the image shown below. To add a repository click the '+' sign in the top-right corner.



Select clone and paste the HTTPS URL link from GitHub into the first field to clone the corresponding repository. You can also set the repository destination and set the new folder name for where the repo will be cloned. In the image provided, I stored the repo in my DASC folder where a new folder called Week-01 will be created to store the contents cloned from the Week-01 repository from the class GitHub.

Local

Remote

Clone


Add

Create

Clone

Cloning is even easier if you set up a remote account

Browse

Repository Type:  This is a Git repository

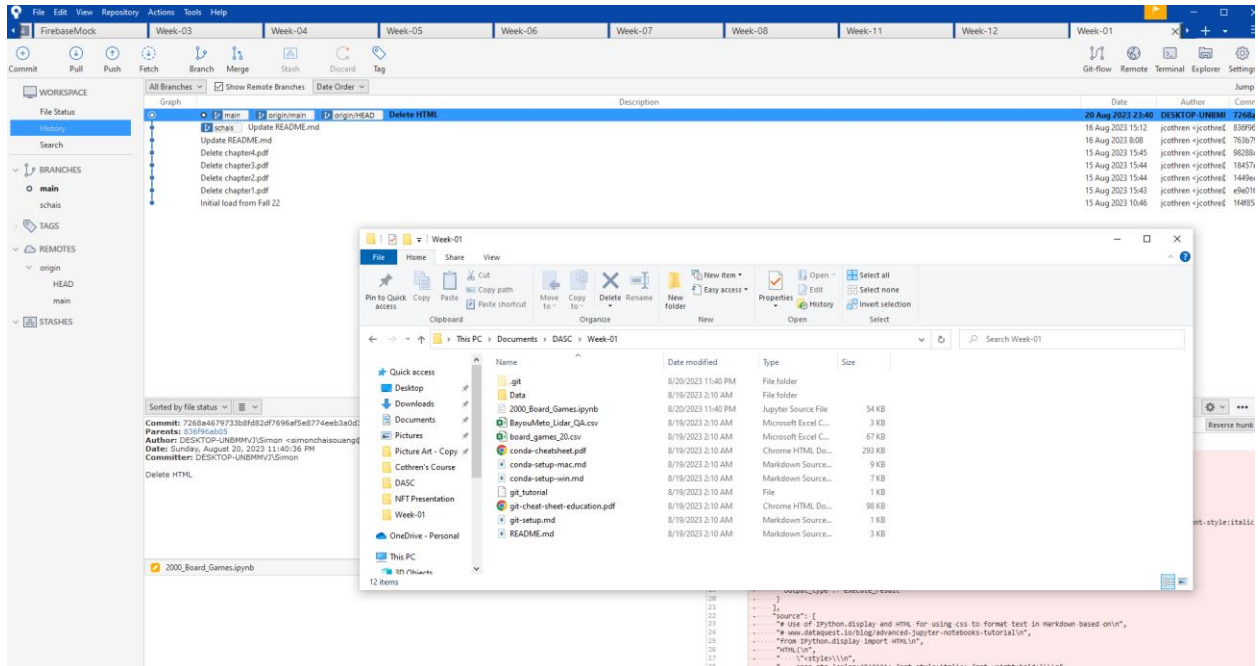
Browse

Local Folder:

> Advanced Options

Clone

Once cloned, the repo will be visible on SourceTree, and you can also view the contents at the destination you set in the previous step.



NOTE: I would highly recommend creating your own personal branches so that way you have a local working copy to modify however you want without the possibility of pushing personal changes to the main branch or losing unsaved files. To do so with the main selected, select branch and set a new name for your branch to create a working copy of the main branch. Once created, you're all set to go. Make sure you have your branch selected before making any changes to the repository. This is indicated by the small circle next to the branch you created.

(This step is only recommended if you haven't forked the repository on GitHub)

