

VII.LAB: GIT INSTALLATION & CONFIGURATION, GITHUB SETUP

FIRST, LET'S ENABLE OURSELVES TO USE SUBLIME FROM THE COMMAND LINE

After installing Sublime Text (anyone NOT using Sublime?)

1. Make a symbolic link to Sublime by typing:

```
sudo ln -s "/Applications/Sublime Text 2.app/Contents/  
SharedSupport/bin/subl" /usr/local/bin/subl
```

2. Enter your system password when prompted.

3. Now, you can open and edit any file in Sublime by typing:

```
subl <myfile.py>
```

GIT INSTALLATION

To install git on your machine:

1. *Navigate to <http://git-scm.com/download>*
2. *Download the installer for your platform (e.g. Mac)*
3. *Double-click on the DMG file (in your downloads directory)*
4. *Read the README file*
5. *CTRL-click on the PKG file and click the button to open (Mac)*
6. *Git installs. Wait for it to complete. Then...*

GIT INSTALLATION

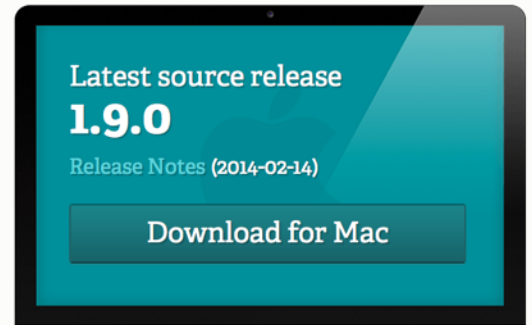
To verify git installation on your machine:

7. Open a new Terminal window and type:

`git --version`

8. The system responds with the version of git being used. Is this the same version number you just installed? Or is it the version that comes installed on Mac OS X?

```
Last login: Fri Mar  7 14:55:50 on ttys002
Robs-MacBook-Pro:~ rob$ git --version
git version 1.8.3.4 (Apple Git-47)
```



GIT INSTALLATION

9. *If it is not the same version, then update your PATH:*

```
echo "export PATH=/usr/local/git/bin:/usr/local/bin:/usr/local/sbin:$PATH" >> ~/.bash_profile
```

10. *Then type:*

```
source ~/.bash_profile
```

11. *Now check the version again:*

```
git --version
```

```
Robs-MacBook-Pro:~ rob$ git --version  
git version 1.9.0
```

GIT CONFIGURATION

I 2. *Now, we proceed to configuration of git:*

```
# Set your username
```

```
$ git config --global user.name "Your Name Here"
```

```
# Set your email address
```

```
$ git config --global user.email "your_name@domain.com"
```

I 3. *Check your configuration settings:*

```
$ git config --global user.name
```

```
$ git config --global user.email
```

I 4. *#winning! Now, on to our Github setup...*

GITHUB SETUP FOR THIS COURSE

In your browser, go to: https://github.com/ga-students/DAT_SF_5

The screenshot shows the GitHub web interface for the repository `ga-students / DAT_SF_5`. The browser address bar shows the URL `https://github.com/ga-students/DAT_SF_5`. The repository is public and has 31 stars, 2 forks, and 0 issues. The main content area displays the repository's history, showing a commit by `halir` 2 days ago. The commit message is "Delete test lec.py". Below the commit history, there is a list of files: `01_Intro_Data_Science`, `02_Python_VersionControl`, `iPython notebooks`, and `README.md`. The `README.md` file is selected, and its content is displayed below. The content of the `README.md` file is:

```
DAT_SF_5
```

Data Science Course at General Assembly San Francisco

The right sidebar contains links to various repository features: `Code`, `Issues` (0), `Pull Requests` (0), `Wiki`, `Pulse`, `Graphs`, `Network`, and `Settings`. At the bottom of the sidebar, there is a section for cloning the repository, showing the HTTPS clone URL `https://github.com` and buttons for `Clone in Desktop` and `Download ZIP`.

GITHUB SETUP FOR THIS COURSE

Fork this repo to your own Github account

The screenshot shows the GitHub repository page for 'ga-students / DAT_SF_5'. The repository is public and has 31 stars and 0 forks. The 'Fork' button is circled in red. The repository description is 'Data Science Course at General Assembly San Francisco'. The repository has 21 commits, 1 branch, 0 releases, and 4 contributors. The latest commit is 'c3406b2576' by 'hallr' 2 days ago. The repository contains the following files: '01_Intro_Data_Science' (5 days ago), '02_Python_VersionControl' (4 days ago), 'iPython notebooks' (5 days ago), and 'README.md' (8 days ago). The README.md file is displayed below the file list, showing the title 'DAT_SF_5' and the description 'Data Science Course at General Assembly San Francisco'. On the right side, there are links to 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', 'Network', and 'Settings'. At the bottom right, there are buttons for 'Clone in Desktop' and 'Download ZIP'.

ga-students / DAT_SF_5

Unwatch 31 ★ Star 31 🍴 Fork 0

Data Science Course at General Assembly San Francisco — Edit

21 commits 1 branch 0 releases 4 contributors

branch: master DAT_SF_5

Delete test_lec.py

hallr authored 2 days ago latest commit c3406b2576

01_Intro_Data_Science	Created separate folder for ipython notebooks	5 days ago
02_Python_VersionControl	Added Session 2 slides	4 days ago
iPython notebooks	After lecture, added question answers and some corrections	5 days ago
README.md	Initial commit	8 days ago

README.md

DAT_SF_5

Data Science Course at General Assembly San Francisco

Code

Issues 0

Pull Requests 0

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HTTPS clone URL

https://github.com

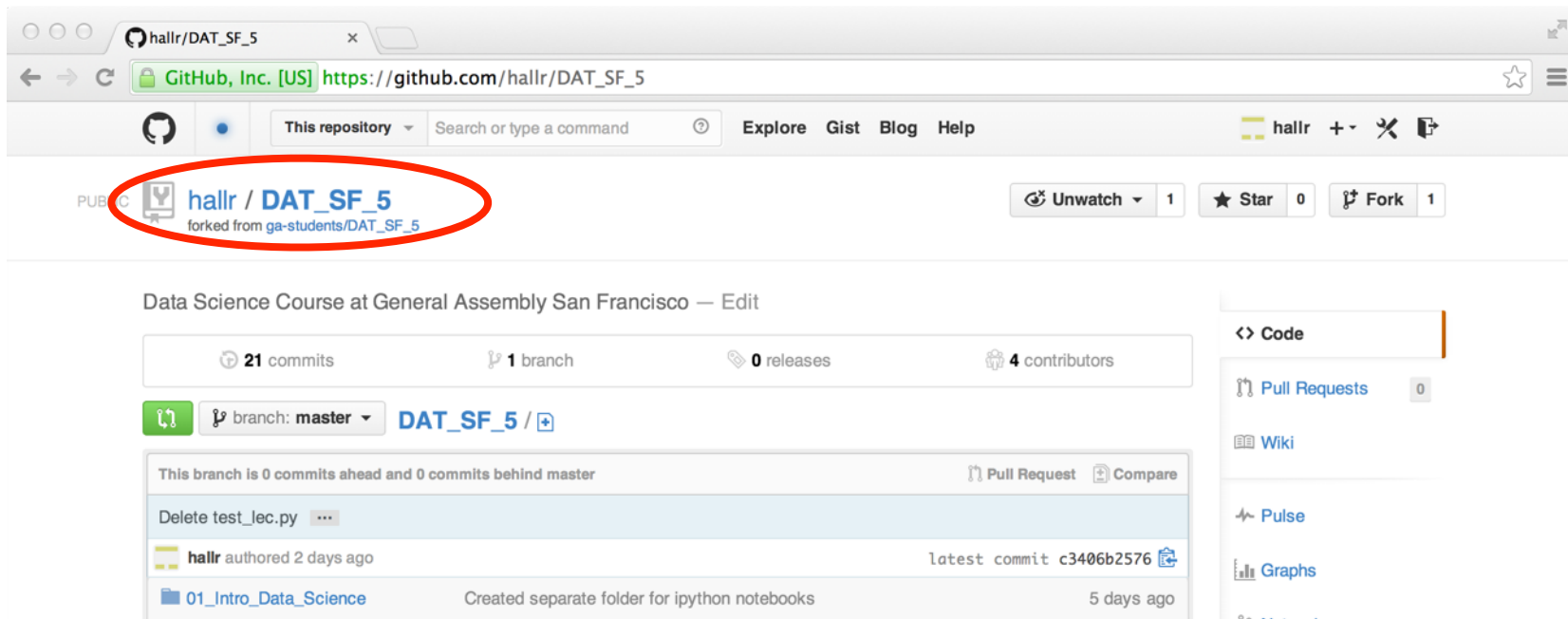
You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

Download ZIP

GITHUB SETUP FOR THIS COURSE

You should see a fork under YOUR Github account:



GITHUB SETUP FOR THIS COURSE

Next, we will clone your newly forked repo to your local machine.

- 1. Navigate to your GeneralAssembly directory (under which we will be doing all of our work). Create this on your desktop if you want.*
- 2. cd into that GeneralAssembly directory.*
- 3. Copy the clone url for the repo from its Github page.*
- 4. Back in the terminal, type:*

```
git clone https://github.com/<YOUR USERNAME>/DAT_SF_5.git
```

- 5. Your forked repo will download to your local machine.*

GITHUB SETUP FOR THIS COURSE

Next, we will create a link to the instructor repo so that you can easily get the latest course materials:

1. In the terminal, add an “upstream remote” by typing:

```
git remote add instructor https://github.com/ga-students/  
DAT_SF_5.git
```

2. Verify that we have successfully added both remotes by typing:

```
git remote -v
```

GITHUB SETUP FOR THIS COURSE

To post files to your forked repository on Github:

1. Copy your homework iPython notebook file to your cloned Github repo. In the top level of DAT_SF_5 is fine.

2. Now type:

```
git status
```

3. To add the file to the staging area, type:

```
git add <filename>
```

4. Again, type:

```
git status
```

GITHUB SETUP FOR THIS COURSE

To post files to your forked repository on Github:

5. Next, commit the files you just added to the staging area by typing:

```
git commit -m "Adding HW1 python notebook"
```

6. Now type:

```
git status
```

7. To push your commits up to your Github account (in the cloud):

```
git push -u origin master
```

GITHUB SETUP FOR THIS COURSE

Now, go to your forked repo on Github, and you should see your file!

The screenshot shows a web browser displaying the GitHub repository page for 'ga-students / DAT_SF_5'. The browser's address bar shows the URL 'https://github.com/ga-students/DAT_SF_5'. The repository is public and has 31 stars, 2 forks, and 0 issues. The repository description is 'Data Science Course at General Assembly San Francisco'. The repository has 21 commits, 1 branch, 0 releases, and 4 contributors. The current branch is 'master'. The repository contains a file named 'DAT_SF_5' which is a README.md file. The README.md file contains the text 'DAT_SF_5' and 'Data Science Course at General Assembly San Francisco'. The repository also contains a file named '01_Intro_Data_Science' which is a folder for ipython notebooks. The repository also contains a file named '02_Python_VersionControl' which is a folder for Session 2 slides. The repository also contains a file named 'iPython notebooks' which is a folder for question answers and some corrections. The repository also contains a file named 'README.md' which is the initial commit. The repository also contains a file named 'Delete test lec.py' which is the latest commit. The repository also contains a file named '01_Intro_Data_Science' which is a folder for ipython notebooks. The repository also contains a file named '02_Python_VersionControl' which is a folder for Session 2 slides. The repository also contains a file named 'iPython notebooks' which is a folder for question answers and some corrections. The repository also contains a file named 'README.md' which is the initial commit. The repository also contains a file named 'Delete test lec.py' which is the latest commit.

ga-students / DAT_SF_5

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https://github.com

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GITHUB SETUP FOR THIS COURSE

Next, click on “Settings”:

The screenshot shows the GitHub interface for the repository 'ga-students / DAT_SF_5'. The repository is public and has 31 stars, 2 forks, and 0 issues. The main content area displays the commit history for the 'master' branch, showing four commits by user 'hallr' with details on the files changed and the time since each commit. The 'README.md' file is visible at the bottom of the commit list. On the right sidebar, the 'Settings' link is circled in red, indicating the next step in the setup process. Other links in the sidebar include 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', and 'Network'.

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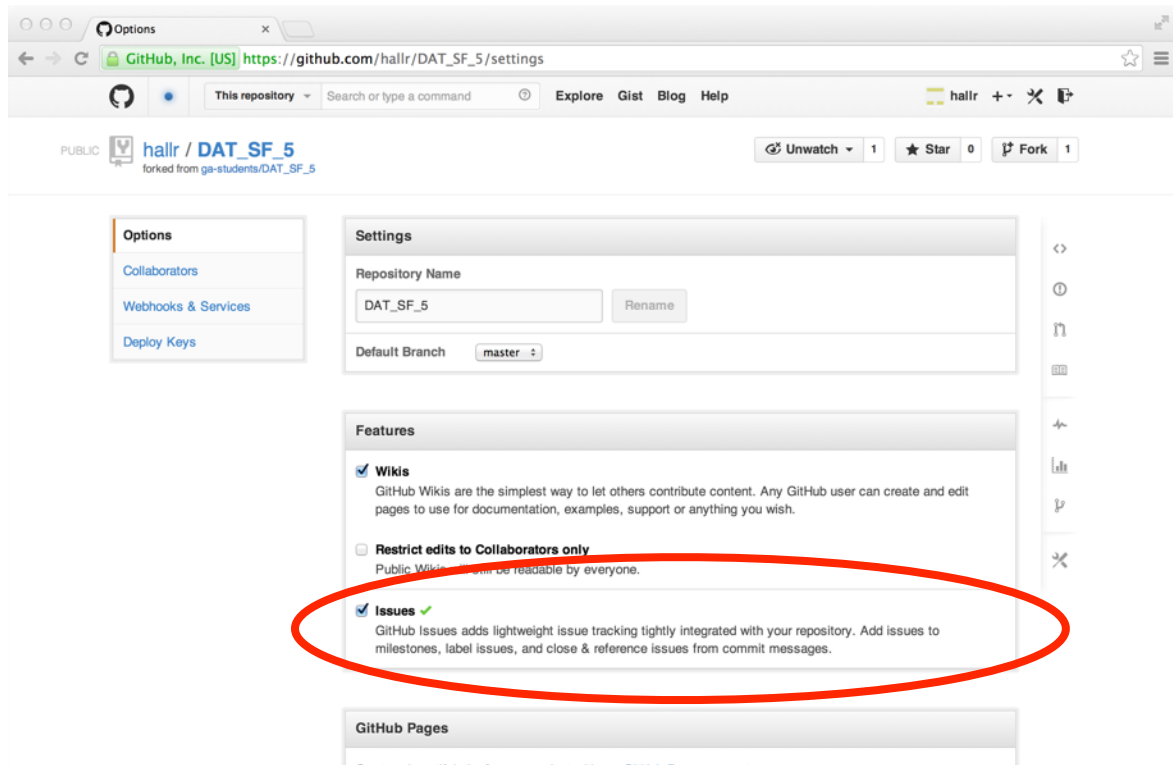
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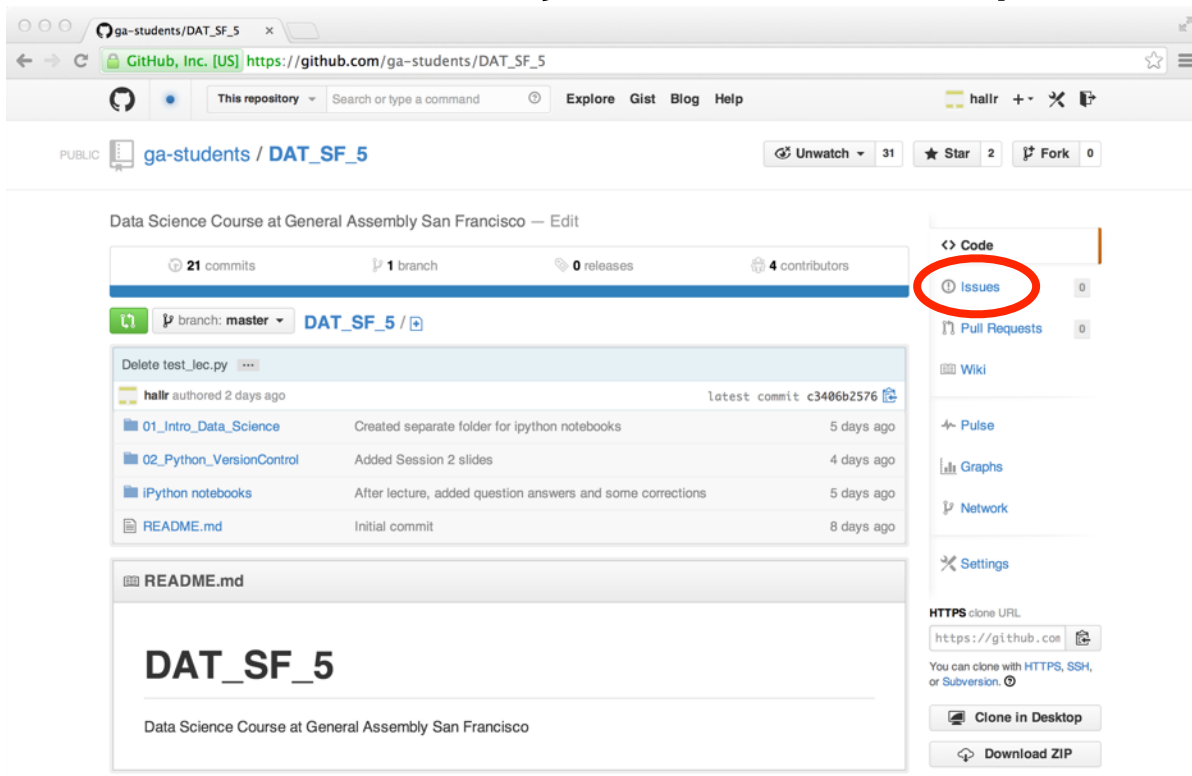
GITHUB SETUP FOR THIS COURSE

On the Settings page, enable issues:



GITHUB SETUP FOR THIS COURSE

To notify the instructor team of your submission, open an issue:



The screenshot shows the GitHub repository page for 'ga-students / DAT_SF_5'. The page includes a header with the repository name, a search bar, and navigation links. The main content area displays the repository's commit history and file list. The right sidebar contains links to 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', 'Network', and 'Settings'. The 'Issues' link is circled in red, indicating the next step in the process.

ga-students / DAT_SF_5

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Clone in Desktop

Download ZIP

GITHUB SETUP FOR THIS COURSE

Create a new issue and ADD OUR GITHUB HANDLES:

New Issue · hallr/DAT_SF_5 x

GitHub, Inc. [US] https://github.com/hallr/DAT_SF_5/issues/new

This repository Search or type a command Explore Gist Blog Help

hallr / DAT_SF_5
PUBLIC
forked from ge-students/DAT_SF_5

Unwatch 1 Star 0 Fork 1

Browse Issues Milestones

New Issue

Homework 1 submitted! Yay!

No one will be assigned No milestone

Write Preview Comments are parsed with GitHub Flavored Markdown

Hey Rob & Francesco,

I have complete HW1. Please review and let me know any feedback.

Thanks!

@hallr
@ghego

Attach images by dragging & dropping, selecting them, or pasting from the clipboard.

Submit new Issue

Add Labels

- bug
- duplicate
- enhancement
- invalid
- question
- wontfix