

# GIT SETUP!

## **0. INTRODUCTION**

### **1. WHAT IS DATA SCIENCE?**

### **2. THE DATA MINING WORKFLOW**

## **LAB:**

### **3. GITHUB & IPYTHON**

### **4. Q&A**

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## BASIC GIT CONFIG

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### *1. Basic 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"
```

### *2. Check your configuration settings:*



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


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

# GITHUB SETUP FOR THE COURSE

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Go To: [HTTPS://GITHUB.COM/GA-STUDENTS/DAT\\_SF\\_16](https://github.com/GA-STUDENTS/DAT_SF_16)

 This repository Search Pull requests Issues Gist 

 ga-students / DAT\_SF\_16 Watch 63 Star 0 Fork 0

**Description**



**Website**  
 Save or Cancel

4 commits



1 branch


0 releases


2 contributors


 Branch: master DAT\_SF\_16 / + 


Update README.md ...


 vanessaohata authored 14 hours ago latest commit 60b7ce84c9 


 README.md Update README.md 14 hours ago

 Issues 0

 Pull requests 0

 Wiki

 Pulse

 Graphs

## GITHUB SETUP FOR THE COURSE

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Fork this repo to your own Github account

The screenshot shows the GitHub interface for the repository `ga-students / DAT_SF_16`. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, and Gist. On the right, there are icons for notifications, a dropdown menu, and a profile picture. Below the navigation bar, the repository name `ga-students / DAT_SF_16` is displayed. To the right of the name are buttons for Watch (63), Star (0), and Fork (0). The Fork button is circled in red. Below the repository name, there are tabs for Description and Website. The Description tab is active, showing a text input field for the repository description. The Website tab is also visible, showing a text input field for the repository website. Below these tabs, there are statistics: 4 commits, 1 branch, 0 releases, and 2 contributors. At the bottom, there's a section for the latest commit, showing the commit message "Update README.md" by user `vanessaohata` 14 hours ago. The commit hash is `60b7ce84c9`. Below the commit information, there's a table with columns for the file name, the commit message, and the time ago. The first row shows `README.md` with the message "Update README.md" and "14 hours ago".

This repository Search

Pull requests Issues Gist

ga-students / DAT\_SF\_16

Watch 63 Star 0 Fork 0

Description Website

Short description of this repository Website for this repository (optional) Save or Cancel

4 commits 1 branch 0 releases 2 contributors

Branch: master DAT\_SF\_16 / +

Update README.md ...

vanessaohata authored 14 hours ago latest commit 60b7ce84c9

README.md Update README.md 14 hours ago

<> Code

Issues 0

Pull requests 0

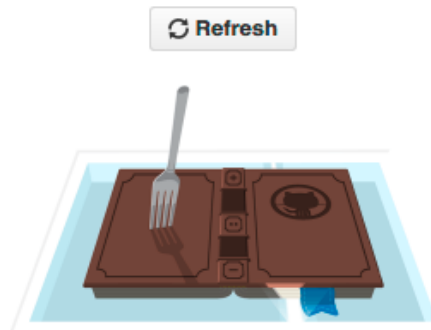
Wiki

Pulse

Graphs

### Forking ga-students/DAT\_SF\_16

It should only take a few seconds.



<> Code

 Pull requests 0

 Wiki

 Pulse

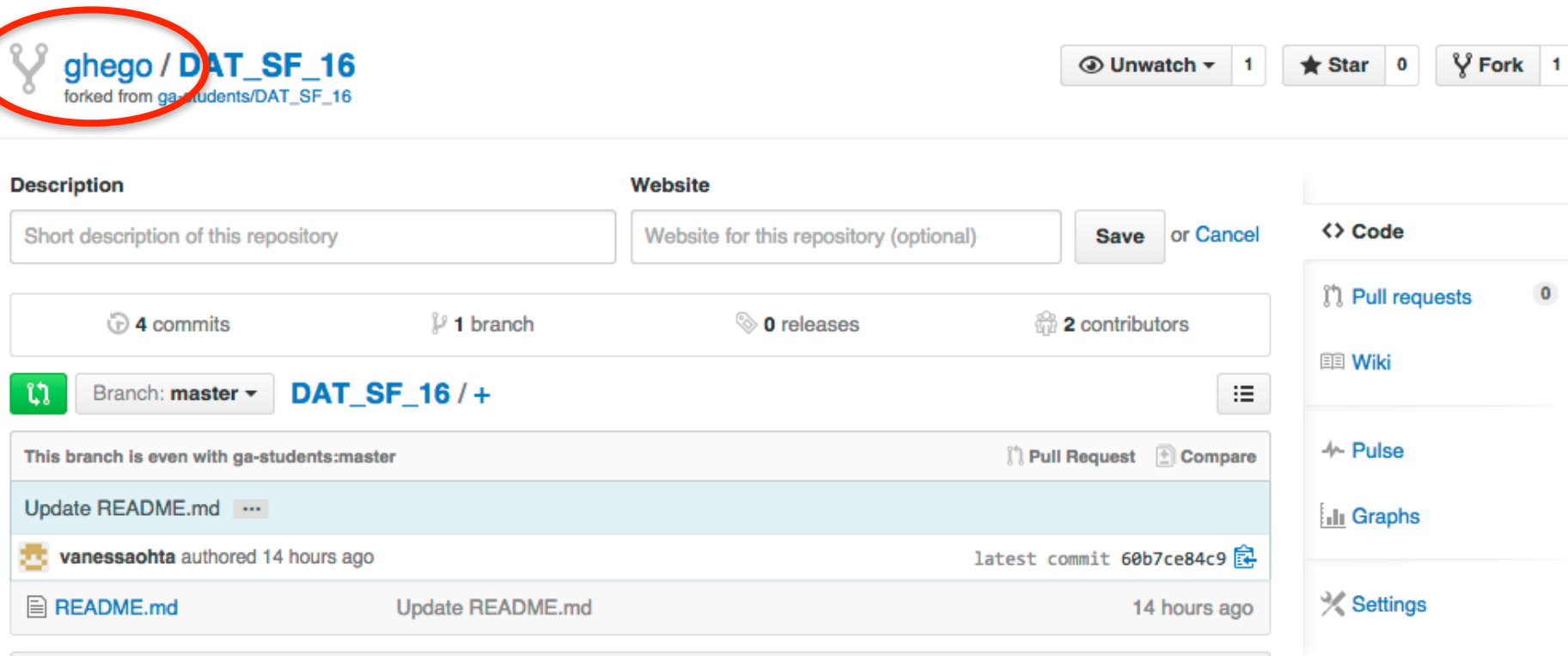
 Graphs

 Settings

## GITHUB SETUP FOR THE COURSE

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You should see a fork under YOUR Github account



The screenshot shows a GitHub repository page for 'ghego / DAT\_SF\_16', which is a fork of 'ga-students/DAT\_SF\_16'. The repository name and the forked source are circled in red. The page includes standard GitHub interface elements: repository name, 'Unwatch', 'Star' (0), and 'Fork' (1) buttons; a 'Description' and 'Website' section with input fields and 'Save'/'Cancel' buttons; a summary bar showing '4 commits', '1 branch', '0 releases', and '2 contributors'; a branch selector set to 'master' with a '+/' icon; and a commit history table. The commit table shows a recent commit by 'vanessaohata' 14 hours ago, updating 'README.md'. The right sidebar contains links for 'Code', 'Pull requests' (0), 'Wiki', 'Pulse', 'Graphs', and 'Settings'.

**Repository:** ghego / DAT\_SF\_16  
forked from ga-students/DAT\_SF\_16

**Actions:** Unwatch 1, Star 0, Fork 1

**Description:** Short description of this repository

**Website:** Website for this repository (optional) **Save** or **Cancel**

**Summary:** 4 commits, 1 branch, 0 releases, 2 contributors

**Branch:** master **DAT\_SF\_16 / +**

**Commit History:**

Commit Message	Author	Time	Commit ID
Update README.md	vanessaohata	14 hours ago	60b7ce84c9

**Files:** README.md (Update README.md, 14 hours ago)

**Right Sidebar:** Code, Pull requests (0), Wiki, Pulse, Graphs, Settings

*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_16.git`
- 5. Your forked repo will download to your local machine.*



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## BASIC GIT CONFIG

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***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_16.git
```

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

```
git remote -v
```

```
instructor  https://github.com/ga-students/DAT_SF_16.git (fetch)
```

```
origin     https://github.com/<YOUR USERNAME>/DAT_SF_16.git (fetch)
```

```
origin     https://github.com/<YOUR USERNAME>/DAT_SF_16.git (push)
```

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## BASIC GIT CONFIG

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### *To post files to your forked repository on Github:*

*1. Create a test file in the homework folder of your cloned Github repo. An empty text file will work for this.*

*2. Now type:*

```
git status
```

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

```
git add <filename>
```

*4. Again, type:*

```
git status
```

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## BASIC GIT CONFIG

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***To post files to your forked repository on Github:***

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

```
git commit -m "Adding test file"
```

*2. Now type:*

```
git status
```

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

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

**DONE!**