

INTRO to DATA SCIENCE

LECTURE 10B: GITHUB SETUP

Rob Hall

DAT9 SF // September 11, 2014

GITHUB SETUP FOR THIS COURSE

In your browser, go to: https://github.com/ga-students/DAT_SF_9

The screenshot shows the GitHub repository page for `ga-students / DAT_SF_9`. The repository is owned by `ga-students` and has 46 stars, 0 forks, and 0 pull requests. The repository description is "Data Science 9 course at General Assembly San Francisco". The repository has 3 commits, 1 branch, 0 releases, and 1 contributor.

The repository is currently on the `master` branch. The commit history shows a series of commits by `hallr` adding lecture slides and HW assignment PDFs. The commit history is as follows:

Commit	Author	Time
4b30ac5642	hallr	2 hours ago
01_Intro_Data_Science	hallr	2 hours ago
02_Intro_Python	hallr	2 hours ago
03_Intro_ML_KNN	hallr	2 hours ago
04_Regression_Regularization	hallr	2 hours ago
05_Databases_SQL	hallr	2 hours ago
06_Intro_Data_Munging	hallr	2 hours ago
07_Naive_Bayes_Classification	hallr	2 hours ago
08_Logistic_Regression	hallr	2 hours ago
HW1	hallr	2 hours ago
HW2	hallr	2 hours ago
HW3_Elevator_Pitch	hallr	2 hours ago
HW4_Midterm_Assignment	hallr	2 hours ago

The repository also has a `Code` tab, `Issues` (0), `Pull Requests` (0), `Wiki`, `Pulse`, `Graphs`, and `Settings`.

The repository can be cloned using HTTPS, SSH, or Subversion. The HTTPS clone URL is `https://github.com/ga-students/DAT_SF_9.git`. The repository can also be cloned in Desktop or downloaded as a ZIP file.

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_9'. The repository is owned by 'hallr' and has 46 stars and 0 forks. The 'Fork' button is circled in red. The repository description is 'Data Science 9 course at General Assembly San Francisco'. The repository has 3 commits, 1 branch, 0 releases, and 1 contributor. The current branch is 'master'. The repository contains a list of files and folders, including '01_Intro_Data_Science', '02_Intro_Python', '03_Intro_ML_KNN', '04_Regression_Regularization', '05_Databases_SQL', '06_Intro_Data_Munging', '07_Naive_Bayes_Classification', '08_Logistic_Regression', 'HW1', 'HW2', 'HW3_Elevator_Pitch', and 'LBM Midterm Assignment'. The repository is also available for cloning via HTTPS, SSH, or Subversion, and can be downloaded as a ZIP file.

ga-students / DAT_SF_9

Data Science 9 course at General Assembly San Francisco — Edit

3 commits 1 branch 0 releases 1 contributor

branch: master DAT_SF_9 / +

File/Folder	Commit Message	Time Ago
01_Intro_Data_Science	Added lecture slides	2 hours ago
02_Intro_Python	Added lecture slides	2 hours ago
03_Intro_ML_KNN	Added lecture slides	2 hours ago
04_Regression_Regularization	Added lecture slides	2 hours ago
05_Databases_SQL	Added lecture slides	2 hours ago
06_Intro_Data_Munging	Added HW assignment PDFs	a minute ago
07_Naive_Bayes_Classification	Added lecture slides	2 hours ago
08_Logistic_Regression	Added lecture slides	2 hours ago
HW1	Added HW assignment PDFs	a minute ago
HW2	Added HW assignment PDFs	a minute ago
HW3_Elevator_Pitch	Added HW assignment PDFs	a minute ago
LBM Midterm Assignment	Added HW assignment PDFs	a minute ago

Code Issues Pull Requests Wiki Pulse Graphs Settings

HTTPS clone URL
https://github.com/ga-students/DAT_SF_9.git

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:

The screenshot shows the GitHub interface for a repository named 'DAT_SF_9' by user 'hallr'. The repository is a fork of 'ga-students/DAT_SF_9'. The page displays the repository's metadata, including 3 commits, 1 branch, 0 releases, and 1 contributor. The 'master' branch is selected, and the commit history is shown. The commit history includes a recent commit by 'hallr' 4 minutes ago, and a list of files added to the repository, including lecture slides and HW assignment PDFs. The right sidebar shows options to clone the repository or download a ZIP file.

hallr / **DAT_SF_9**
forked from ga-students/DAT_SF_9

Unwatch 1 Star 0 Fork 1

Data Science 9 course at General Assembly San Francisco — Edit

3 commits 1 branch 0 releases 1 contributor

branch: master DAT_SF_9 / +

This branch is even with ga-students:master Pull Request Compare

Added HW assignment PDFs

hallr authored 4 minutes ago latest commit 4b30ac5642

01_Intro_Data_Science	Added lecture slides	2 hours ago
02_Intro_Python	Added lecture slides	2 hours ago
03_Intro_ML_KNN	Added lecture slides	2 hours ago
04_Regression_Regularization	Added lecture slides	2 hours ago
05_Databases_SQL	Added lecture slides	2 hours ago
06_Intro_Data_Munging	Added HW assignment PDFs	4 minutes ago
07_Naive_Bayes_Classification	Added lecture slides	2 hours ago
08_Logistic_Regression	Added lecture slides	2 hours ago
HW1	Added HW assignment PDFs	4 minutes ago

Code

Pull Requests 0

Wiki

Pulse

Graphs

Settings

HTTPS clone URL

https://github.com/hallr/DAT_SF_9

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

Download ZIP

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.*

GITHUB SETUP FOR THIS COURSE

To copy the clone URL:

The screenshot shows the GitHub interface for the repository 'hallr / DAT_SF_9', which is forked from 'ga-students/DAT_SF_9'. The repository has 3 commits, 1 branch, 0 releases, and 1 contributor. The current branch is 'master'. The commit history shows a series of commits by 'hallr' adding lecture slides and HW assignment PDFs. On the right sidebar, the 'Code' section is expanded, showing the 'HTTPS clone URL' as 'https://github.com/hallr/DAT_SF_9.git', which is circled in red. Below the URL, it says 'You can clone with HTTPS, SSH, or GitHub CLI'. At the bottom of the sidebar, there are buttons for 'Clone in Desktop' and 'Download ZIP'.

hallr / DAT_SF_9
forked from ga-students/DAT_SF_9

Data Science 9 course at General Assembly San Francisco — Edit

3 commits 1 branch 0 releases 1 contributor

branch: master DAT_SF_9 / +

This branch is even with ga-students:master Pull Request Compare

Added HW assignment PDFs

hallr authored 4 minutes ago latest commit 4b30ac5642

01_Intro_Data_Science	Added lecture slides	2 hours ago
02_Intro_Python	Added lecture slides	2 hours ago
03_Intro_ML_KNN	Added lecture slides	2 hours ago
04_Regression_Regularization	Added lecture slides	2 hours ago
05_Databases_SQL	Added lecture slides	2 hours ago
06_Intro_Data_Munging	Added HW assignment PDFs	4 minutes ago
07_Naive_Bayes_Classification	Added lecture slides	2 hours ago
08_Logistic_Regression	Added lecture slides	2 hours ago
HW1	Added HW assignment PDFs	4 minutes ago

Code

Pull Requests 0

Wiki

Pulse

Graphs

Settings

HTTPS clone URL

https://github.com/hallr/DAT_SF_9.git

You can clone with HTTPS, SSH, or GitHub CLI

Clone in Desktop

Download ZIP

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 and then paste the clone url:*

```
git clone https://github.com/<YOUR USERNAME>/DAT_SF_9.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_9.git
```

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

```
git remote -v
```

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_9.git
```

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

```
git remote -v
```

3. Now, let's test. I will add new files to the remote. Then you pull them down using:

```
git pull instructor master
```

GITHUB SETUP FOR THIS COURSE

To post files to your forked repository on Github:

1. Copy your homework iPython notebook file that you submitted for HW1 to your cloned Github repo in the HW1 directory.

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 submission"
```

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, refresh your forked repo on Github, and you should see your file!

The screenshot shows a GitHub repository page for 'hallr / DAT_SF_9', which is a fork of 'ga-students/DAT_SF_9'. The repository is titled 'Data Science 9 course at General Assembly San Francisco'. It has 3 commits, 1 branch, 0 releases, and 1 contributor. The current branch is 'master'. A recent commit by 'hallr' is highlighted, titled 'Added HW assignment PDFs', made 4 minutes ago. The commit message lists several files: '01_Intro_Data_Science', '02_Intro_Python', '03_Intro_ML_KNN', '04_Regression_Regularization', '05_Databases_SQL', '06_Intro_Data_Munging', '07_Naive_Bayes_Classification', '08_Logistic_Regression', and 'HW1'. The right sidebar shows options to view the code, pull requests, wiki, pulse, graphs, and settings. At the bottom, there are buttons to clone the repository in desktop or download as a ZIP file.

hallr / DAT_SF_9
forked from ga-students/DAT_SF_9

Unwatch 1 Star 0 Fork 1

Data Science 9 course at General Assembly San Francisco — Edit

3 commits 1 branch 0 releases 1 contributor

branch: master DAT_SF_9 / +

This branch is even with ga-students:master Pull Request Compare

Added HW assignment PDFs

hallr authored 4 minutes ago latest commit 4b30ac5642

01_Intro_Data_Science	Added lecture slides	2 hours ago
02_Intro_Python	Added lecture slides	2 hours ago
03_Intro_ML_KNN	Added lecture slides	2 hours ago
04_Regression_Regularization	Added lecture slides	2 hours ago
05_Databases_SQL	Added lecture slides	2 hours ago
06_Intro_Data_Munging	Added HW assignment PDFs	4 minutes ago
07_Naive_Bayes_Classification	Added lecture slides	2 hours ago
08_Logistic_Regression	Added lecture slides	2 hours ago
HW1	Added HW assignment PDFs	4 minutes ago

Code

Pull Requests 0

Wiki

Pulse

Graphs

Settings

HTTPS clone URL
https://github.com/hallr/DAT_SF_9

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

Download ZIP