

# Get Your GitHub Classroom Repo

*Stat 133, Spring 2018*

This document contains the instructions to get your own GitHub Classroom repository. This is the repo that you will use to submit your HW assignments.

## GitHub Classroom

You will receive an email with the invitation link:

Stat 133 HW repository  Inbox x



**Gaston Sanchez** <gaston.stat@gmail.com>

to me 

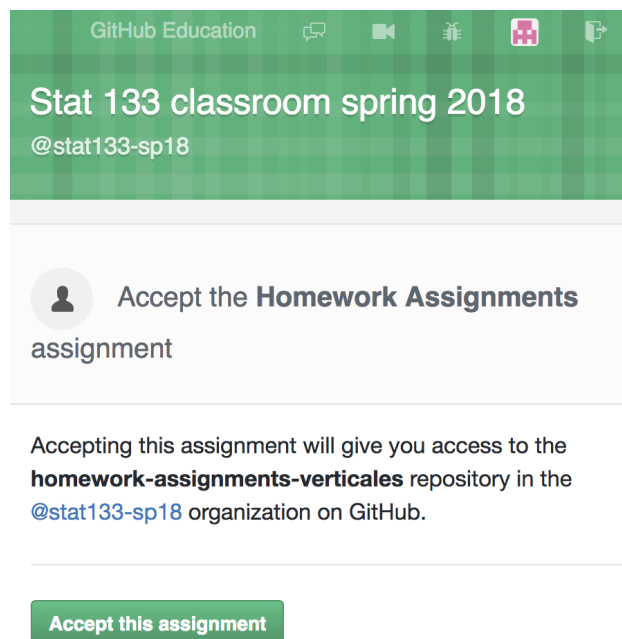
Here's the invitation link to get your private repository for Stat 133 Spring 2018 (HW assignments)

After clicking on the link, GitHub will automatically setup your repo

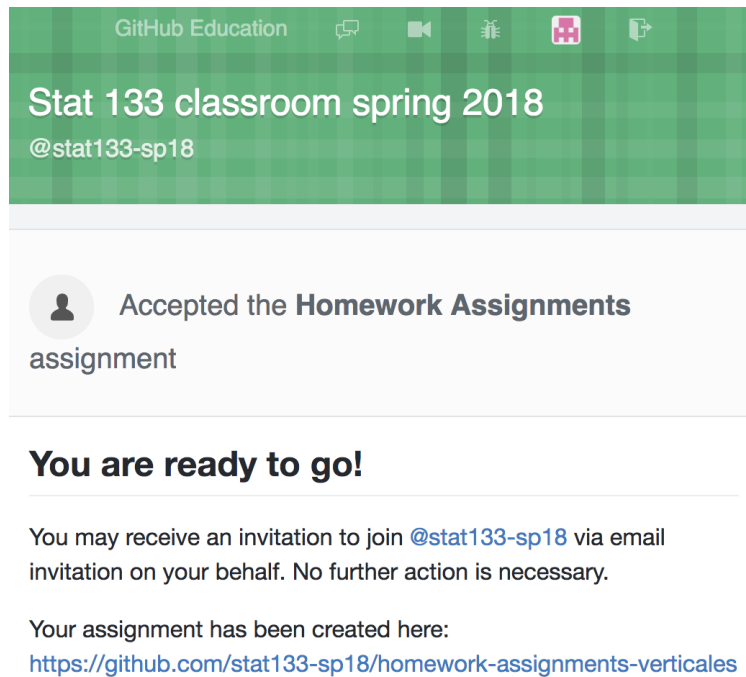
<https://classroom.github.com/a/nXfmRQrq>

After clicking on the invitation link, you will be redirected to GitHub asking for authorization to “GitHub Classroom”. Click on the green button that says **Authorize github**.

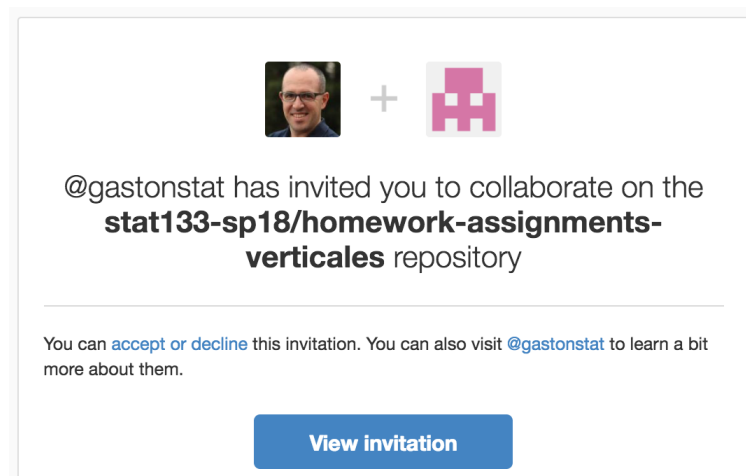
You should get redirected to <https://classroom.github.com>, more specifically, to the “Stat 133 classroom spring 2018” organization. Here, you will see a message “*Accept the Homework Assignments*” assignment.



After clicking on the **Accept this assignment** button, you should be able to see a new message indicating that you have accepted the *Homework Assignments*, and that *You are ready to go!*



At this moment, you will receive another email with an invitation to join @stat133-sp18 (see image below). In theory, there is no need to accept the invitation since your repository has already been created.



What you need to do next is to click on the assignment link created for your github account, e.g.:

`https://github.com/stat133-sp18/hw-stat133-username`

You should be able to see your new repository


stat133-sp18 / homework-assignments-verticales Private

<> Code ⓘ Issues 0 🔄 Pull requests 0 📁 Projects 0 📖 Wiki

homework-assignments-verticales created by GitHub Classroom

🕒 1 commit 🌿 1 branch

Branch: master ▾ New pull request

 **gastonstat** first commit

demo	first commit
warmup1	first commit
README.md	first commit

As you can tell, your repo contains a `README.md` file with some default content:

📖 README.md

## Stat 133, Spring 2018

Private Repository for HW assignments of Stat 133 (Spring 2018)

- Name: Your name (first last)
- Github username: username
- Email: address [at] email.com
- Lab section: 101
- GSI: Leia Organa

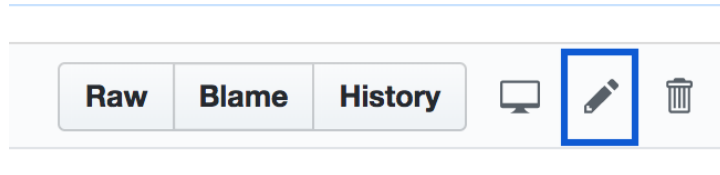
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## Assignments

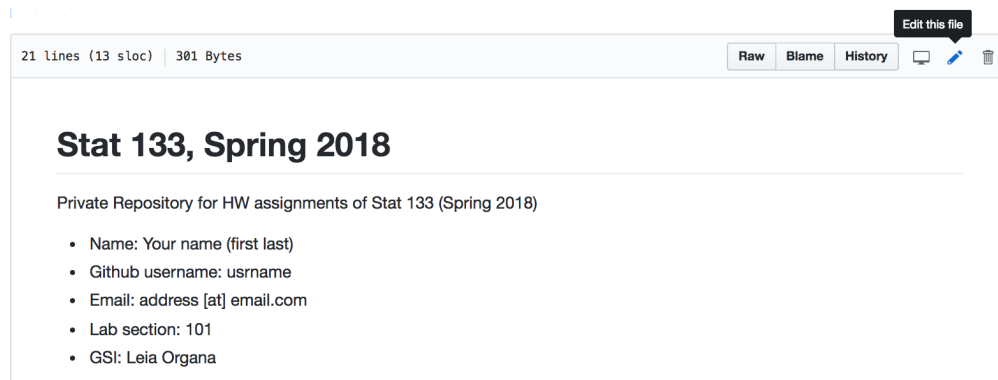
- [Demo](#)
- [Warm-up 1](#)
- Warm-up 2
- HW 1

### Edit the `README.md` file

Click on the `README.md` file, and then look for the icon of a pencil so that you can edit the contents of the file



Customize the information about **Name**, **Github username**, your **Email** address (the one linked to your github account), the **Lab section** you are registered in, and the name of your **GSI**



Look for the button **Commit changes** so you can “save” the modifications done to the `README.md` file.

## Your Local Repo and the Remote Repo

So far you have your GitHub Classroom repository. This repository will be your *remote* repository. However, you also need to create a *local* repository in your computer.

- Open a bash terminal
- Optional: change directory to your preferred location e.g. your Desktop
- Create a directory, and `cd` to it:

```
mkdir hw-stat133
cd hw-stat133
```

- Initialize the directory as a Git repository

```
git init
```

- Locate the name of your github repo (with your own username!!)

```
https://github.com/stat133-sp18/hw-stat133-gastonstat
```

- To add a remote repository use the command below with **your own username**:

```
git remote add origin https://github.com/stat133-sp18/hw-stat133-gastonstat
```

- Pull down the content in the remote repo (**origin**) to your local repo (**master**)

```
git pull origin master
```

## Pushing changes to the remote repo

Now that you have linked your local repo with your remote repo, you can start pushing (i.e. uploading) commits to GitHub. Try the following modifications.

In your computer (your local repo), use a text editor (e.g. the editor in RStudio) to open the `README.md` file that is inside the `demo/` folder. Under the title **Demo**, you should be able to see a first line of text:

```
This is just a demo folder with some dummy content.
```

Delete the starting paragraph and replace it with the text below (or any other text that you want to add):

```
This is just a demo folder for testing purposes.
```

Now follow these steps:

- Save the changes made in `README.md`.
- Go to the your bash terminal.
- Change directory to the `demo/` folder:

```
cd demo
```

- Check the status

```
git status
```

- Add the changes to git:

```
git add README.md
```

- Commit the changes with a descriptive message:

```
git commit -m "demo: update readme file"
cd ..
```

- Push the changes to the remote repo (`origin`) from your local repo (`master`)

```
git push origin master
```

Go to your Github repository and refresh the browser. If everything went fine, you should be able to see the contents of the `README.md` file inside `demo/`.

## Push your Warm-up 1 assignment

Let's add your warm-up 1 .Rmd file, and its knitted file, to your local repo, and then push the modifications to your remote repo.

- Copy the .Rmd file of the first warm-up assignment and save it inside the folder `warmup1/` (of your local repo).
- Open the .Rmd file and modify the `output` field of the yaml header: instead of using `output: html_document`, change it to: `output: github_document`.
- Knit the .Rmd file. This should generate an .md file.
- Go to the bash terminal and check the status

```
git status
```

- Add the changes:

```
git add warmup1/.
```

- Check the status again:

```
git status
```

- Commit and push the changes:

```
git commit -m "warmup1: add Rmd and md files"
```

```
git push origin master
```

- Go to your Github repository and refresh the browser.