

# Build Your GitHub Repo!



## 1.1.3 Activity

Build your data analyst portfolio on GitHub to store and showcase all your data projects and use it as a portfolio for potential employers.

### Step 1: Create a GitHub Account

#### Steps

1. Go to [Github.com](https://github.com) and click the **Sign-up** button in the upper-right corner.
2. Fill out the form with a username and password and then click **Continue**.
3. On the next page, GitHub gives you options on how you want to proceed. Skip this step by clicking the small text at the bottom called *Skip this for now*.
4. You will now see another general page. Notice your account icon in the upper-right corner that lets you know you are signed in. The next steps will be creating a new repository to add files to your portfolio.

### Step 2: Create a New Repository

#### Steps

1. Go to the homepage of your GitHub account.
2. If you already have a repository in your account, you will see a **Repositories** tab. Open the tab and click the **New** button to create a new repository. If you do *not* have any repositories in your account yet, you'll see this page. In the upper-left corner, click the **Create Repository** button.
3. On the **Create a new repository** page, create a repository name and description. Make sure the **Public** radio button is selected and check the **Add a README file** box. The repository name should be professional (for employers' eyes). It's okay to use a generic name that others also have. Since this is a portfolio, you could call it something like *data-analytics-portfolio*.
4. Finally, click the green **Create repository** button.

### Step 3: Customize the Project Summary Page

In your GitHub repository, you have a **README.md** page, which GitHub automatically displays. The **README.md** page is where you'll find a summary of the folders in that level of the hierarchy. This page is built using a simplified formatting language called *markdown*. It's not quite like a programming language. Think of it as a method to format text. You can make text in different-sized headings, use bold or italics, and add images or other things to make the text organized and look nice. A good **README** file will have some images to make reading it as pleasant as possible.

#### Steps

In this step of the activity, we'll add the following to our **README** file:

- Headings (two sizes)
  - Link on text
  - Image
1. Click the repo you just made. You should now be *in* that repo on GitHub. If you only have one repo in your GitHub account, you will be sent there automatically.
  2. You'll see the contents of the **README** file so far, including the title and description you gave your repo when you first created it. You can only have one **README** file per folder, as it will display as the front page of your repo.
  3. Click the *pencil* icon in the upper-right corner of your **README** file to start editing it.
  4. In the **README** file, you might see some markdown code. Copy the markdown code shown below and paste into GitHub in the space below the **Edit file** tab. This will overwrite the existing markdown code.

#### # Data Science & Analytics Portfolio

This repository contains projects and visualizations created from the Data Science & Analytics program with *[ADD YOUR UNIVERSITY NAME HERE]*.

## SQL

## Statistics

## Visual Communications

5. At the bottom of the page in the **Commit changes** section, type a brief summary of the change you made in the top field, such as "Updated README." Then, press the green **Commit changes** button.

You will now see your updated **README** file with the new changes!

#### **Step 4: Populate your portfolio with data projects that you work on throughout the Introductory Course.**

##### **Steps**

##### **Add files to GitHub using the GUI:**

1. Start by going to the data analytics repo homepage you created.
2. Click the **Add file** button (upper right) and choose **Upload files**.
3. Download the following files from Canvas: ***sentiment\_analysis.ipynb*** and ***yelp\_labelled.txt***
4. Drag the two files from your desktop to the ***Drag additional files here to add them to your repository*** space in GitHub. You will see the two files below the drag and drop space.
5. Below the two files you added is the **Commit changes** section. As we did before, add a title and a description.
6. Then, click the green **Commit changes** button.
7. Congratulations, you added two files to your data analytics portfolio! You should see them in your list of files.