

GitHub Account

GitHub Essentials: Creating and Collaborating

Follow these steps to set up your GitHub project and learn the essentials of creating content and collaborating on GitHub.

1. Create a GitHub Account

- Go to [GitHub's homepage](#).
- Click on **Sign up** and fill in the required information.
- Verify your email address when prompted.

2. Create a New Repository

- Once logged in, click on the "+" icon in the upper right corner and select **New repository**.
- Name your repository `Data110`. This is important as it helps in identifying the project related to this class.
- Give your repository a brief description, something that indicates the content or purpose of the repository.
- Choose the visibility of your repository (public or private). However, if you are required to keep your work visible to the instructor or class, choose public.
- Initialize the repository with a `README.md` file by checking the box. This will automatically create a `README.md` file in your repository which you can edit later.>)

3. Make `README.md`

- Navigate to your new repository.
- Click on `README.md` file.
- Click the pencil icon (Edit this file).
- Edit the content using Markdown to describe your project or repository.
- Once done, scroll down, enter a commit message, and click **Commit changes**.

4. Create Folder and Name it `Dataset`

- In the repository, click on **Add file** and then **Create new file**.
- In the filename field, type `Dataset/` to create a folder named `Dataset`.

- After the slash, type the name of a new file to be placed in the `Dataset` folder, for example, `.gitkeep`.

5. Upload a Dataset File `Happiness.csv` to Dataset Folder

- After creating the `Dataset` folder, navigate into it by clicking on the folder name.
- Click on **Add file** and then **Upload files**.
- Drag and drop your `Happiness.csv` file or use the file chooser to select the file from your local system.
- Once the file is uploaded, enter a commit message describing the upload.
- Choose whether to commit directly to the current branch or create a new branch and open a pull request.
- Click on **Commit changes**.

6. Invite a Collaborator

To allow others to collaborate on your project, you need to add them as collaborators to your repository. Here's how you can add a collaborator:

- Navigate to your GitHub repository.
- Click on **Settings** in the repository toolbar.
- In the left sidebar, click on **Manage access**.
- Click on **Invite a collaborator**.
- Enter the collaborator's username or email address (For this class, please add `Reben80`).
- Click **Add collaborator**.

Once you send the invitation, the collaborator will receive an email with a link to accept the invitation.

7. Share Your Repository

Once you have set up your repository and added the necessary files and collaborators, share the link to your repository to ensure that your work can be reviewed and collaborated on.

- Navigate to the main page of your repository on GitHub.
- Click on the green **Code** button.
- Under the "Clone" tab, you will find the URL of your repository. Click on the clipboard icon to copy the URL.
- Go to the shared Excel file on MS Teams Channel of Data 110.
- Find the row with your name and paste the copied URL in the designated column.