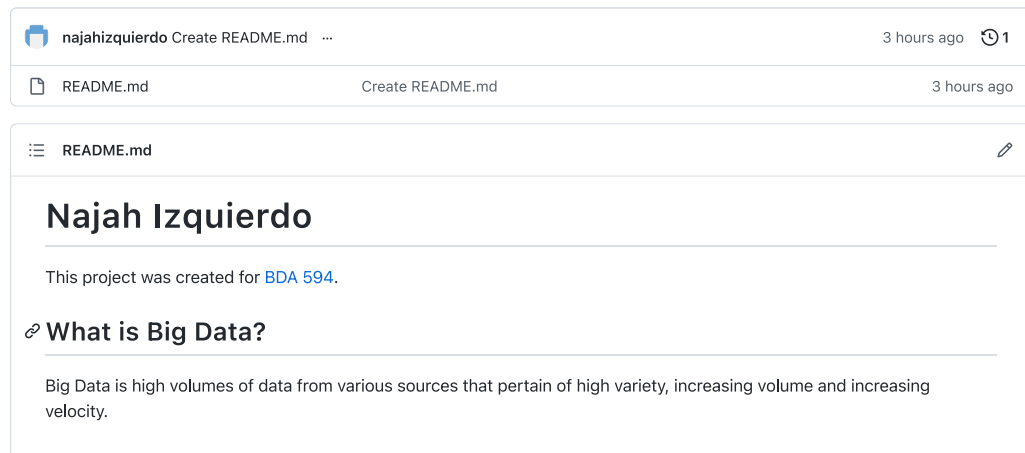


Lab 1 Answers

1. GitHub provides a collaborative space for developers working on projects. This also gives developers a hub to store all their code in order to utilize it on multiple local machines. One of the best functions, in my opinion, is GitHub's ability to provide code history, allowing mistakes to be rolled back. GitHub's main feature is the creation of repositories. This is basically a directory or "folder" one would have on their desktop, which holds all the files relevant to the project. Within these repositories, there is a branch feature, which allows developers to work on code within their branch and prevents any clashes with the main code. This allows others to see your code and debug prior to implementing new functions. Through pull requests, you can further collaborate with your team and review possible solutions for your code. The users are developers who are working on the same project. This can be seen in the "What is GitHub" video, which describes just how useful GitHub can be given the diversity in professions of the users. Along with this, GitHub can be used as a portfolio since it is an open-source coding hub. This allows future employers to analyze your code and see your work.
2. Cloning basically makes a copy of an existing repository onto your local environment. This just copies the files within this repository. Creating a pull request allows you to merge new code into a repository on a branch created on your local repository.
3. <https://najahizquierdo.github.io/>
4. <https://najahizquierdo.github.io/>



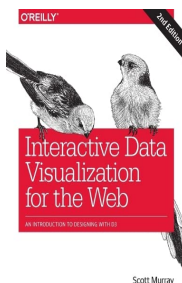
5.

Data Sets

I chose UNICEF's [data set](#). Specifically, the Early childhood development overview. This takes three areas of measurement: home environment, childhood care and education, and developmental status. They are collected through household surveys and Multiple Indicator Cluster Surveys. This data set can be used to identify possible areas areas that can use additional resources or programs for development.

Book

Interactive Data Visualization for the Web: An Introduction to Designing



I chose [Interactive Data Visualization for the Web: An Introduction to Designing](#) by Scott Murray. This book is an introduction to data visualization, teaching you the basics of D3 which is a Javascript library. Given I have experience in HTML and Javascript, it seems very interesting to pick up.

6.