CMPSC 580
Junior Seminar
Spring 2022

Lab 1:
Exploring Software Resources

Objectives

- To begin gathering resources to facilitate your current research idea or interest.

- To gain experience in taking detailed notes while studying a new software resource. In particular, these notes concern the *installation*, *function* and *application*, in addition to other steps necessary to using the resource in your own work.

- To adjust the notes to include commands, screenshots and similar which further explain how to use the software resource. These adjusted notes will take the form of step-by-step guide.

Figure 1: As you learn how to use a new software resource, tool, code, algorithm or library, you are encouraged to take detailed notes during your study. Having good notes will greatly help you later on when you are ready to use the resource. In this work, we are taking notes and then creating a tutorial-styled document to use at the time when you are ready to run your software.

Reading

Please refer to the `README.md` file of your GitHub repository for more detail about this lab assignment.

Clone Your Assignment Repository

Today's assignment repository can be found at the below link to a GitHub Classroom repository. Here you will work on your assignment and then you must push your work to the GitHub cloud where the instructor will be able to view your work for grading. Often, there will be files in your assignment repositories which you are to edit before you submit them by using the below commands for `git`. **Please note that the instructor cannot view your submission and cannot grade your work unless you push your work to the GitHub cloud!**

https://classroom.github.com/a/u2LiPIs3

Handed out: 2nd March 2022

To use this link, please follow the steps below.

- Click on the link and accept the assignment

- Once the importing task has completed, click on the created assignment link which will take you to your newly created GitHub repository for this lab,

- Clone this repository (bearing your name) and work locally

- As you are working on your lab, you are to commit and push regularly. The commands are the following.

  - `git add -A`
  - `git commit -m ``Your notes about commit here''`
  - `git push`

Summary of deliverables

- Complete your tutorial-styled document using Markdown containing information about commands, screenshots and other details to help you in your work later on.

Help?

Please let the instructor know of any questions that you may have. Please use email or make an office hour appointment if you would like to discuss any questions or issues.