

**CMPSC 580  
Junior Seminar  
Spring 2022**

**Lab 2:  
Exploring Peer-Reviewed Articles of the *Literature***

## Objectives

- To gain skill reading academic peer-reviewed articles.
- To gain skill in summarizing relevant three academic peer-reviewed articles.
- To determine the positive impacts on your research by applying two software resources.
- To write a brief summary of the articles and the software resources which will serve your work in the future.



Figure 1: There is lots of of information in reading which can be used to support the premises of your work. Your job is to locate these facts and important details which can support your own work.

## 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/afhqbuU->

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`

## Focusing on Articles for Ideas

To learn about strategies for locating research articles, please read the below suggested articles.

- “How to Read a Paper” by S. Keshav
  - <https://web.stanford.edu/class/ee384m/Handouts/HowtoReadPaper.pdf>
- “How to Read a Computer Science Research Paper” by A. Stent.
  - <https://people.cs.pitt.edu/~litman/courses/cs2710/papers/howtoreadacspaper.pdf>

Below is a silly website to show you how how topics are paired with articles. While the generator is meant to be a joke, one notices how keywords can be *extracted* from a research idea which can be applied to real search engines to locate current information on the topic – whatever it may be!

- How To Pick A Worthy Topic In 10 Seconds:
  - <https://www.cs.purdue.edu/homes/comer/essay.topic.generator.html>

### Summary of deliverables

- Due next Wednesday: A summary of three of related research articles. Note: one article must be (arguably) a *survey* or *review* paper in which several methods are introduced together).
- Due next Wednesday: Find and document two relevant software tools or resources that you are considering to help you in your work
- Your writing must be submitted in your GitHub Classroom repository *and* must be posted or blogged on your online research notebook.

### 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.