

**CMPSC 580
Junior Seminar
Spring 2019**

**Assignment 8:
Related Works Outline Drafting Assignment
GitHub Repository for Submission**

1 Objective

To prepare a working outline for your Related Works section. In this assignment, we will be taking time to ensure that all mentioned articles serve your outline in some profound way to describe the theory behind your work, motivate your approach, and provide good contextual information to the problem. Peer editing will be a part of your effort to produce your outline.

GitHub Starter Link

<https://classroom.github.com/a/gsrRxAPL>

This link is from Assignment 5 and will be used to contain your work for your proposal.

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
```

2 Introduction

In this work, we will be considering the *Related Works* section. This section to detail what is already known about your problem area, its theory, the popular research and the rest of knowledge that has been determined and collected by investigators before you.

While positioning your work, the point of the Related Works section is demonstrate your mastery of the subject area of your field. Here, you weave a story from articles in the literature that describe the major events of the problem such as its discovery, early thinking and early solutions, tools, algorithms, and etc which have been applied to the problem (in some way.) From each of

your articles, you will mention some important piece of information to be used to build the some foundational area for your own work.

The related works sections is also a story that you provide the reader to show that you are familiar with the background history and general research associated to the problem. This discussion will allow the reader see how your research is connected to other types of current research. You can read more about the Related Works sections from the following resources;

- McDaniel's lecture notes at Pennsylvania State University,
 - <http://www.cse.psu.edu/~pdm12/cse544/slides/cse544-relwork.pdf>
- Lee's presentation (U Penn)
 - https://www.seas.upenn.edu/~cse400/CSE400_2008_2009/related_work.pdf

2.1 Peer-Reviewed Articles

To drive the message of relevance and importance of your own work, and to explain how it is linked to other types of research, you will cite peer-reviewed articles from the literature. These articles will help to explain the origins of the problem by its theory and relevance. Your literature will be primary source articles which have been retrieved from *peer-reviewed* publishers. Be sure to choose up-to-date articles to help situate your own work as modern and cutting-edge. We note, that there are occasionally articles that you will need to cite from the foundational times of your problem area, however, in general, try to keep to the recent material.

2.2 Questions to answer after each of your cited articles

As you write your Related Works section, your articles will need to be explained to the reader. To help in your discussion, there are four basic questions in blue that you might want to consider as you address each article.

1. What the article is about ? Why have you chosen to discuss it here?
2. What was the methodology, tools, theory and etc. used in article's research?
3. What were the results and who cares?
4. How is the article relevant to your own work, approach, tool, etc.? How is the article in support of your own work? Why are you talking about this article?

3 Create Your Outline of Your Related Works

In the style that you used to create your Introduction section, you will be creating and editing an outline of the Related Works section to fill-in the a significant portion of the foundation of your work using peer-reviewed articles. Plan out the introduction of each of your supporting articles and be sure to follow the questions in blue from above. Determine where they should all do in the text.

You will return to this outline to build your on the points from the articles to create the Related Works text in your proposal.

Here, select up to ten articles which are highly important to your own work. Create an outline where you introduce main points from each article a on bullet points. Once you have finished your outline, determine ways to add more detail to each bullet point in preparation of the next part of this work. We will return to these bullet points later to add more detail to each point.

Part2: Peer Editing With Leading Questions

By next class, try to have a substantial amount of detail available in your outline.

In our next class session, we will be working with a partner to review (and provide constructive criticism) of our outlines. For this task, each student will swap outlines to read with another member of the class. To guide your thinking as you read an outline, you are to follow the leading questions (in blue, below). Answer each question as best as you can by writing your responses in Markdown (if you need help with this language, please visit the GitHub tutorial at <https://guides.github.com/features/mastering-markdown/>).

Your written constructive criticism will be copied and pasted into your partner's **issue tracker** of their GitHub assignment repository where they will be able to read it. Please include your name in your partner's issue tracker and be sure to *be respectful in your critical writing* of the outline.

Leading Questions

You will be following the questions below to provide your constructive criticism and you will give your answered questions to your peer so that they have a record of your constructive criticism. To share your criticism with your peer, you will paste your answers in the *issue tracker* of their GitHub repository. Please do not forget to add your name.

Please follow these questions to the best of your abilities to be able to offer constructive criticism to your peer.

1. The writing is free of typographical and grammatical errors.
2. Each section has a logical flow.
3. The articles appear to have some relevance to the story that you are telling.
4. The order of the articles (and their ideas) appears to lead the reading along a logical path.
5. Each article as a type of summary statement to explain why it is there.
6. What problems do you see in the outline?
7. What would you do to fix them?

Summary Of Deliverables

- Place your outline in the file `writing/outline.RelatedWorks.md` directory of your repository. It is encouraged that you use Markdown to write your outline as your partner will be referring to it on GitHub however, you may use Latex if you prefer.
- Find your partner's suggestions from your issue tracker. Place this text (along with your partner's name!) in the file `writing/criticism.RelatedWorks.md` where you address each concern and add your response.
- Be sure to mention the name of your peer-editor.

Help?

I'm available in person and via email if you want to run any ideas by me, or if you are having problems with your LaTeX. To ensure that I can offer timely assistance, please ask for help early!