In this assignment, you will create the first chapter of your paper: *Motivation & Problem Description*, also known as *Introduction*. This chapter will introduce the problem and describe why it is worth addressing.

The introduction should cover the following points (adapted from [here (Links to an external site.)](https://cs.stanford.edu/people/widom/paper-writing.html#intro)):

1. What is the problem?
2. Why is it interesting and important?
3. Why is it hard? (E.g., why do naive approaches fail?)
4. Why hasn't it been solved before? (Or, what's wrong with previous proposed solutions? How does mine differ?)
5. What are the key components of my approach and results? Also include any specific limitations.

Also include references to and short description of related work as part of the first chapter.

General criteria:

* If you have received feedback from your TA, please make sure you incorporate it accordingly.
* Make sure your paper has a concise yet descriptive title.
* Make sure your text is logically coherent and arguments follow a clear line. A good way to achieve this is to write down the argument chain first and then turn each link into a sentence of paragraph.
* Make sure you clearly describe the Big Data angle of your approach, which V you address, how traditional approaches fail to address the issue etc.

Keep in mind that you will be reviewing each others chapters next week, and you will be asked to assess your colleagues' papers using the above criteria.

Formatting

You are required to use the ACM [two-column style (Links to an external site.)](https://www.acm.org/publications/proceedings-template) for your paper. We recommend that you use Overleaf to write your paper in LaTeX. To simplify the process, we have created a [template on Overleaf (Links to an external site.)](https://www.overleaf.com/read/tyzhgcprmrxd), that you can copy into a new project for yourself (Menu > Copy, available after creating an account and logging in).

The introduction should not be much longer than the first page of the paper.

Please double-check spelling and grammar before submission.

Submission System

We use the EasyChair system to keep track of uploaded papers, reviews, meta-reviews, revisions etc. Submit your project proposal here: [https://easychair.org/my/conference?conf=bdds20  (Links to an external site.)](https://easychair.org/my/conference?conf=bdds20)(You will have to create an account once). We only accept PDF documents. We will not accept proposals by email. For this submission cycle, please update the previous submission you have made for the first assignment. We will re-open the submission site in time.