**[Submission: Project Proposal](https://bbhosted.cuny.edu/webapps/assignment/uploadAssignment?content_id=_52833750_1&course_id=_1979789_1&group_id=&mode=view)**

**Proposal.**The project proposal shall be 2 pages in length and include:

* A brief introduction, a high level description of the system/problem you will work on.
* A summary of three key journal papers relevant to your work.
* A problem formulation.
* A statement of objectives, proposed methodology, and the evaluation measure for the performance of the proposed methodology.
* A conceptual/high-level description includes assumptions, what aspects will be considered in your model/approach, and a study logic.

**Note:** Be prepared to give a 5-minute presentation of your project proposal during the meetup on **Tuesday, March 02, 2021**. This assignment must be submitted no later than **March 02, 2021 at 7 PM EST**.

### Picking a topic

Here are some links and resources to picking a good research topic.  This seems to be where students struggle the most.  Remember this is a Master's level data science project!  Pick a topic that data can answer and involves combining data in unique ways - not just a Kaggle competition question or even a 621 problem like Moneyball.  This should involve end-to-end thinking showing off what you have learned in the program.  In the real world (outside of academia) you spend the bulk of your time combining and transforming data  - so plan for that.  Projects for work or in an area related to work are encouraged.  Here are some great links:

The University of Michigan-Flint: [How to Select a Research Topic](https://www.umflint.edu/library/how-select-research-topic)

Massachusetts Institute of Technology: [Selecting a Research Topic: Overview](https://libguides.mit.edu/select-topic)

Conor Dewey (2018): [5 Resources to Inspire Your Next Data Science Project](https://towardsdatascience.com/5-resources-to-inspire-your-next-data-science-project-ea6afbe20319)

George Mason University (n.d.): [How to Write a Research Question](https://writingcenter.gmu.edu/guides/how-to-write-a-research-question)