CS 3950

Introduction to
Computer Science Research

https://northeastern-datalab.github.io/cs3950/

PRESENTATION GUIDELINES

Paper Presentation Logistics

You will present in groups
- Since we'll be doing this online, I recommend having the team together but we will accommodate teams that cannot be together.

Identify research paper before spring break
- Must be a paper (co-)authored by a current Northeastern faculty member
- Should be in an area that you are interested in
- I'll have new office hours scheduled on Monday and Tuesdays to help teams presenting that work. See Piazza.
- If you are having trouble structuring your presentation, I'm happy to discuss
  - Send me a few of your slides and I can give you feedback

Paper Presentation Logistics (2)

Meet with faculty member, postdoc, or PhD student

◦ Discuss questions you had about the paper

▪ Be sure you understand the paper in depth

▪ Why did you use method X? Did you consider alternative methods?

◦ Learn about ongoing/future work

▪ What has been the impact of this work? (Impact can be academic like follow on papers, or industrial like adoption in products, or societal like news media coverage.)

▪ Is there follow on work? By the author or by others?

▪ Why was this work important?

◦ [optional] Ask about opportunities to participate in research on the topic (or in the area)

Paper Presentation Logistics (3)

Presentation in class
◦ What is the key problem addressed in the paper? Why is it important?
◦ How does the paper address the problem? What are the methods, tools, outcomes?
◦ What are the limitations of the paper, areas for future work?
◦ What opportunities are there for participation in research in this area?
◦ Lead discussion on the paper
◦ See the example presentation outline on the course webpage (provided in powerpoint)

Peer Evaluation

Every member of class will evaluate all presentations

Evaluation rubric is on course webpage (schedule page)

I recommend filling out rubric right after the presentation, but don't turn them in until after all presentations are done so you can calibrate
◦ Take notes on what you liked or didn't like in the presentations
◦ One of the learning outcomes is to help you understand what is (and is not) effective in scientific presentations
◦ The class after all presentations will be a discussion of effective talk skills