Paper readings (20%)

- Teams
  - completed in groups of 2 people (exceptions can be made)
- Goal
  - delve deeper into a specific research paper
    - thoroughly study and master their chosen paper, and subsequently engage the class through a well-prepared presentation
  - instructor provides a curated list of potential research papers from which teams can make their selection
    - available by end of March
- Presentations
  - 20 minutes / team
  - April 26th, 1pm

Final Project (35%)

- Goal
  - explore concepts taught in class on a task of your choice
- Teams
  - completed in groups of 1 or 2 people
- Examples
  - applications: may apply neural networks to a specific problem of your domain of interest
    - start from an existing approach for other tasks and adapt it to your task of interest
  - theory: may propose a new model or approach and apply it to a problem of your interest
    - improve an existing model/approach

Deliverables and workshop

- Progress report
  - due Apr 10th
  - deliverable: PDF
- Final report
  - due May 7th
  - deliverables: PDF, GitHub link
- Poster
  - due May 7th
  - deliverables: Poster (PDF)
- Workshop
  - May 8th (12:30 pm)

Progress report

- Title / Authors
- Introduction
  - provide context and motivation/justification for this work
  - define the problem to be solved
  - explain what are the challenges and the status of existing related work
- Methods
  - details about the data
  - details about the deep learning methods
- Preliminary work / next steps
  - describe preliminary work done
  - describe next steps until the end of the semester

Project report

- Title / Authors
- Introduction
  - provide context and motivation/justification for this work
  - define the problem to be solved
  - explain what are the challenges and the status of existing related work
  - include achievements and contributions
- Methods
  - details about the dataset
  - details about the deep learning methods
- Experiments and analysis
  - describe data processing
  - describe learning procedures and hyperparameter search
  - describe and analyze results
- Conclusion

Github

- Create a github repo
  - share GitHub link in your final project
  - it can be public or private (your own decision)
  - no need to include data (can use .gitignore)
  - would be great if I can see “multiple pushes”
    - tracking your progress