CS 615 Deep Learning

Final Project Guidelines

As hopefully you are aware, there are four components to your final project:

1. Video presentation
2. Associated slide deck.
3. Paper
4. Source code (data available on demand)

To help clarify my expectations for each, here are some guidelines.

I: Slidedeck/Presentation

You should create a video presentation, of a maximum length of 10 minutes (I typically watch these in tandem with flipping through your slides).

Your slide deck should include at least (basically following the sections of your paper):

1. What is the problem you are tackling?
2. What related work is out there (and therefore which prior work(s) are you basing your approach off of)
3. What is the basic approach?
4. Where are you getting your data from and what does it look like?
5. What are your results and observations?
6. What could be future extensions of your work?

II: Paper

Your paper should be "conference style". Different conferences have different styles but it should be a Latex typeset document (saved as a PDF) with at least the following sections:

1. Abstract
2. Background
3. Related Work
4. Then various sections explaining what you did including all the applicable mathematics that would allow someone to recreate your work
5. Evaluation
    a. Including information about your data
    b. Applicable figures (graphs, architecture, etc..)
    c. Applicable tables/statistics
6. Conclusions
7. Future Work/Extensions
8. Bibliography

III: Source Code and Data

Although you are not required to submit your data (since it may be large), you must submit your source-code to verify authenticity. As a rule of thumb, your results (as shown in the evaluation section of your paper) should be reproducible. If I have any questions/issues on what I see (in the paper and/or code) then I may ask you to demonstrate how to run your code (with its related data).

IV: Submission

In all you should be submitting:

1. Presentation Slides
2. **(Online section only)** Voice Annotated Presentation
3. PDF paper
4. README file for code
    a. How to link, compile, etc..
    b. Additional libraries needed, how to install them, etc..
    c. What (and how) to run to reproduce the results in your paper.
5. Source code

V: Grading Rubric

Your grade will be based on three components (I don't' even know why it's out of 400! But it will be scaled accordingly 😊):

1. Subjective opinion on quality (100pts)
2. Presentation Quality (100pts)
3. Paper Quality (200pts)

My subjective point allocation will be:

100pts - Amazing (may not be any of these)

Novel and ready to go to a conference

95pts - Excellent

Lots of work, extensive evaluation. Didn't leave me with any questions.

90pts- Very good

Good amount of work good evaluation but left some questions.

85pts - Good

Good evaluation but not a lot of work and/or lots of questions.

80pts - Decent

Lacking some "depth"

75pts - Some major issues

I.e No eval, missing sections, too vague/incomplete, missing data, files, code

70pts - Major issues

Several of the above issues

50pts - Barely did anything

0pts - Didn't do anything

Presentation Points will be allocated as

1. Presentation has all necessary components 60pts
2. Presentation address all major questions/concerns 20pts
3. Presentation is well put together 20pts

Paper Points will be allocated as:

1. Abstract 10pts
2. Background 10pts
3. Related Work/Bibliography 20pts
4. Main Content 30pts
5. Evaluation 30pts
6. Conclusions 30pts
7. Future Work 10pts
8. Overall Analysis 30pts
9. Proper Submission with reproducible and original code 30pts