CSC 180 Intelligent Systems (Fall 2022)

Final Project Proposal Guidelines

Each team leader submits the proposal on Canvas. As for the length, I would expect a proposal at least with one full page.

Suggested Outline for Your Proposal

Paper Title: Make the title eye-catching…

Project Type: A or B or C?

Team Members: Name and Id of each team member.

Project Description/Abstract: provide a description of the problem you plan to address

Motivation: briefly explain why this problem matters

Background: provide a brief summary of what is known in the literature about this problem.

Data sets: provide a link to the data set (or sets) that you will use and briefly describe it (them).

System/Algorithmic design: describe what models/algorithms you plan to use in your project.

- Is your studied problem a classification or regression problem?
- Which model to use, FCNN, CNN, RNN, Autoencoder, or GAN? With or without transfer learning?
- If you plan to use any model/algorithms in an academic paper, provide brief descriptions as well and references.
- If you plan to improve any existing design in a paper, state how you think your design would work, or at least your current ideas.

Evaluation plan: you define how you will evaluate your results (how you will know your model(s) works?).

- Use train/test data split.
- For classification models, use precision, recall, F-measure, confusion matrix and ROC curves.
- For regression models, use RMSE and lift charts.

Task Division: how you would divide the task over all team members.