

MSAI-349, Fall 2023

Final Project: Preliminary Results

Due Date: Monday, November 27th @ 11:59PM

Total Points: 10.0

Assignment: Prepare a one-page summary of the preliminary results for your Final Project. This should include:

1. (1.0 points) **Task:** A concise description of the task you are performing (1 or 2 sentences).
2. (1.0 points) **Data:** A description of the source of your data, a list of features and a table of summary statistics for your dataset. This will differ by project and could include items like:
 - a. the number of observations,
 - b. the number and distribution of classes within the data,
 - c. training, validation and test set sizes, and
 - d. mean, variance, maximums, minimums, etc. and/or histogram of relevant statistics.
3. (1.0 points) **Model:** A brief description of the model(s) used to perform your task(s).
4. (5.0 points) **Results:** A table and/or graphic summarizing your main results. Summary results should also have a baseline against which you can evaluate your approach. The baseline can be constructed by random sampling on your test set or by a competing approach's performance (published or from a second model of your choosing). This should be at table about $\frac{1}{3}$ of a page in length.
5. (2.0 points) **Analysis:** A few bullet points summarizing the preliminary analysis of your results. You will be asked to refine this for the Final Project Presentation.

This assignment aims to generate and present your preliminary results in time for feedback to help refine your final presentation. It is okay for all of the content to be rough and draft format for this assignment. Please note that your submission should not contain links to external content.

What to Turn In: Submit your PDF file to Canvas.

Good luck, and have fun!