

# AI 705: Final Project

## I. METRICS OF EVALUATION

Following are the evaluation metrics used to grade your final presentations.

- 1) **Novelty of the problem:** Your motivation for choosing the problem, your ability to formulate a real-life problem in the framework of recommendation system, social utility.
- 2) **Dataset Creation:** How did you construct the data? Was it publicly available? Was it present in a research paper? Did you synthetically create data? If so, what is the philosophy behind it?
- 3) **Philosophy behind the algorithm selection:** What was your motivation behind selecting a particular algorithm? What is the data analysis telling you and how that helped in algorithm selection?
- 4) **Intermediate Evaluation:** Meet your allotted TA after 15 days for intermediate evaluation - they will track your progress and give you ideas.
- 5) **Project Report** (see the following section)

The rest of the metrics are same as those for the midterm project.

- 1) **Analysis of algorithms**
- 2) **Analysis of Results**
- 3) **Novelty in algorithms**
- 4) **Real Time inference**
- 5) **Presentation:** The quality of slides and oral presentation, **as a group.**

It is important to note that you will be graded as a group and not at an individual level.

## II. DELIVERABLES AND DATES

Groups whose projects have been declined should meet their allotted TA as soon as possible for necessary changes. (Exact mapping of groups to TAs will be done soon.) The following needs to be delivered:

- 1) Group Presentation on Apr 27 and Apr 29.
- 2) The following files have to be submitted:
  - Presentation slides - 26th April EOD
  - Implementation Codes - 26th April EOD

- A very detailed report on the project in the IEEE/ACM research paper format - 5th May EOD

### III. SANITY CHECKS

The following are the sanity checks every project **must** pass. Otherwise, your submission will be invalidated:

- 1) The codes will go through rigorous Plagiarism checks.
- 2) The plots/numbers/metrics in the presentation slides should match the output when your submitted codes are run. Fudging of results will not be tolerated at any degree.
- 3) Basic checks will be done to validate that **all** team members are involved in the project during the presentation.

### IV. FORMAT OF PRESENTATION

The duration and slots of each presentation will be decided based on number of teams and feasibility. It will be communicated very soon once all logistics are finalized. Take notice of the following points:

- 1) Teams must respect their presentation duration and slot with highest precision. Penalty will be levied if a group exceeds their allotted duration (proportional to the number of additional seconds consumed).
- 2) I will decide the order and duration of each speaker in a group. For example, say there are four members in the group  $A, B, C, D$ . I can first ask  $B$  to present. After a random amount of time, I will ask  $D$  to take over, and this process is repeated.
- 3) The teams must upload their presentation and implementation codes (with instructions on how to run your code). The submission folder will be shared with you in due course.