

ML Project-Final Defense

AI Fellowship 2023

Fuse Classroom Submission- Format

Report name Format: FirstNameofSupervisor_groupNumber_projectTitle.pdf

Submit only 1 report from each group

Submission type: pdf only

Grading Rubric

1. Data Collection and Preprocessing

- a. The project should demonstrate good skills in data collection and preprocessing, including the selection of appropriate datasets, cleaning, normalization, and feature engineering.

2. Machine Learning Models and Techniques

- a. The project should demonstrate a good understanding of machine learning models and techniques, including the selection and implementation of appropriate algorithms, hyperparameter tuning, and model evaluation.

3. Performance Metrics

- a. The project should define appropriate performance metrics for the machine learning models used and demonstrate how they were evaluated. The students should be able to explain the strengths and limitations of the selected metrics.

4. Interpretation and Visualization

- a. The project should demonstrate good skills in interpretation and visualization of the results. The students should be able to explain the insights gained from the analysis and how they contribute to addressing the research question.

5. Experimental Tracking

- a. When using experimental tracking, it's important to record all the relevant information related to each experiment. This includes information such as the hyperparameters used, the dataset used, the preprocessing steps applied, and the results obtained.

6. Benchmarking

- a. Identify established benchmarks: There may be established benchmarks in the field for the problem you are trying to solve. Look for research papers, datasets, or competitions that have tackled similar problems and have established benchmarks. This will give you a baseline to compare your model's performance to.

7. Presentation and Communication

- a. The project should be presented in a clear and concise manner, with good visual aids and appropriate technical terminology. The students should be able to explain their work effectively to a technical audience.

8. Report of the Project

- a. Abstract
- b. Introduction
- c. Literature review
- d. Methodology
- e. Results and Discussion