Using MLflow for Experiment Tracking and Model Management

Objective

The objective of this task is to introduce you to MLflow for experiment tracking, model management, and reproducibility in machine learning projects for the **Sentiment Analysis Project**.

Task

1. Integrate MLflow into your existing machine learning projects.
2. Train machine learning models while logging relevant information with MLflow.
3. Demonstrate how to log parameters, metrics, and artifacts using MLflow tracking APIs.
4. Customizing MLflow UI with run names.
5. Demonstrate metric plots.
6. Demonstrate hyperparameter plots.
7. Demonstrate how to register models and manage by tagging them.
8. **(BONUS)** Build a Prefect Workflow and Auto Schedule it. Show the Prefect Dashboard with relevant outputs.

Submission

Click here to submit your work.