



PROJECT

IMDb Score Prediction



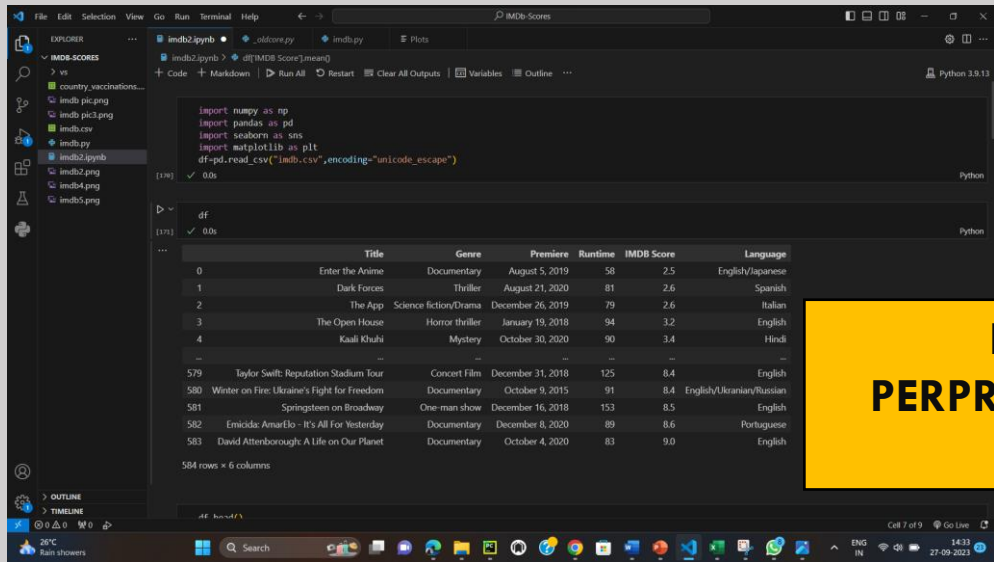
Develop a machine learning model to predict the IMDb Scores of the movies available on Films Based in their genre, premiere date, runtime and language . The model aims to accurately finds the popularity of the movies to the assist users in discovering highly rated films that align with their preferences

Design the project based on :

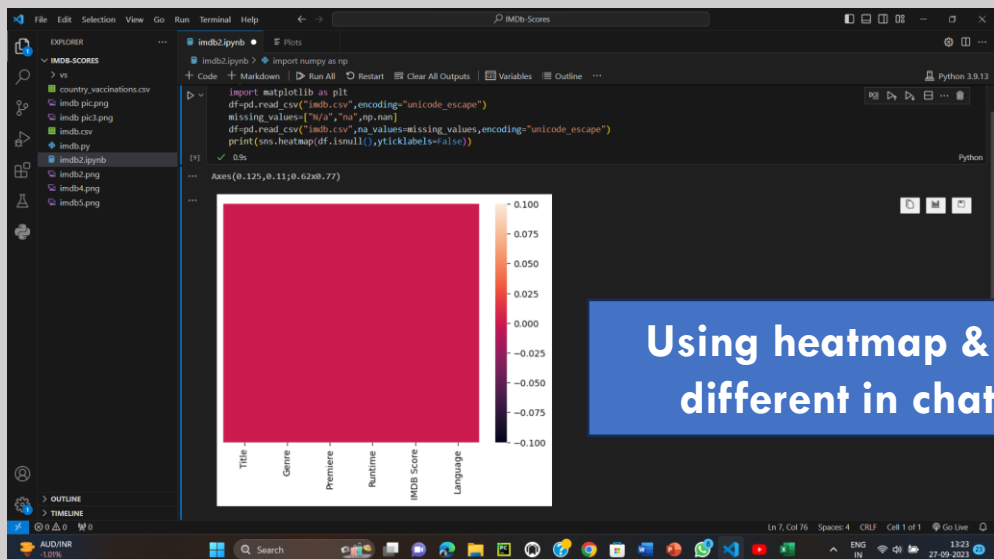
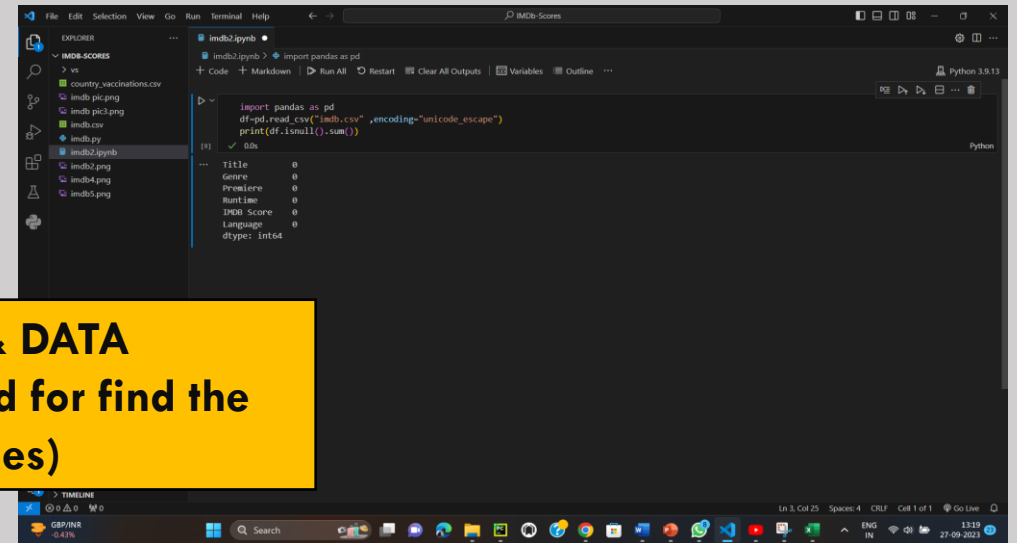
- * Data Source
- * Data Preprocessing
- * Feature Engineering
- * Model Selection
- * Model Training
- * Evaluation

Main algorithms & ML are :

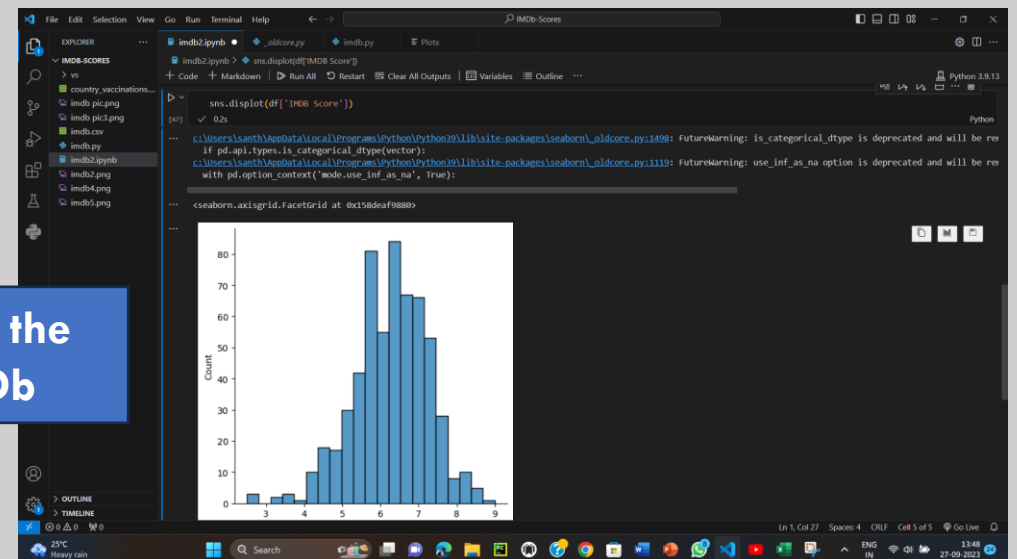
linear Regression ,Random Forest Regression to Predict IMDb Scores .Train the selected model using preprocessing data Regression metrics like MAE ,MSE and R-squared

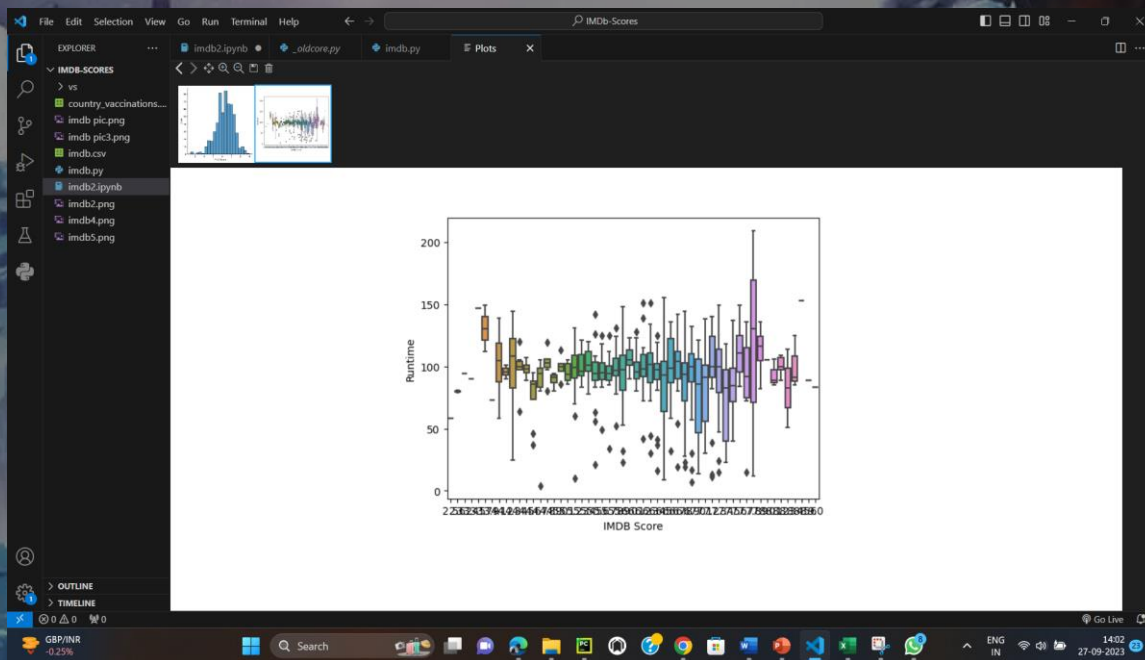


**DATA SOURCE & DATA
PERPROCESSING (used for find the
missing values)**

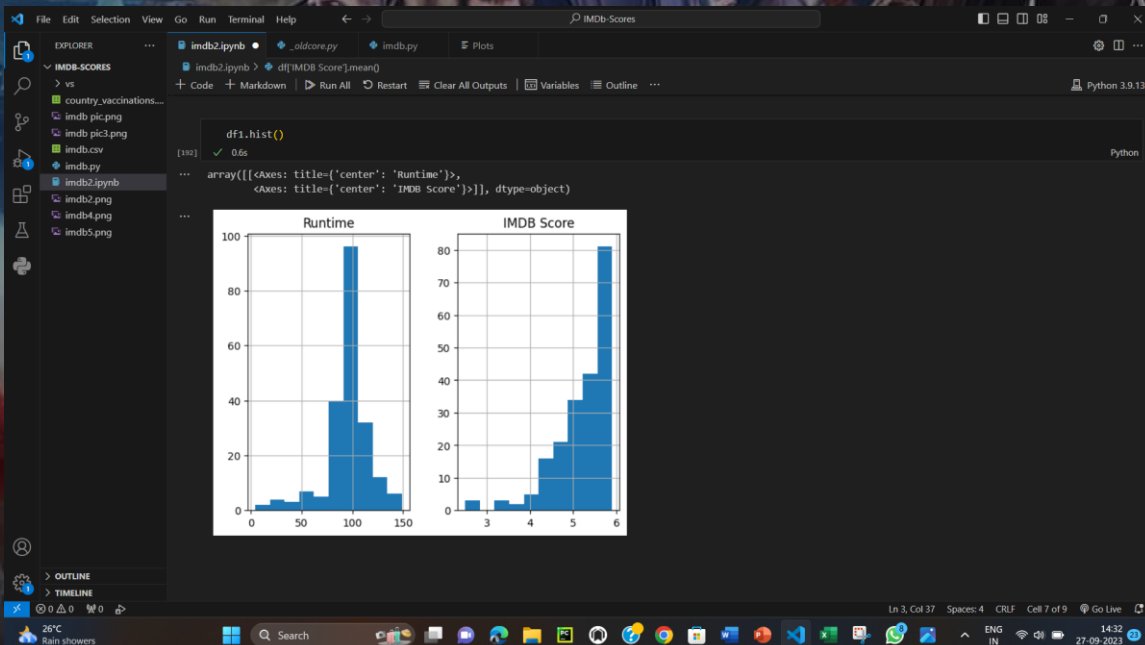
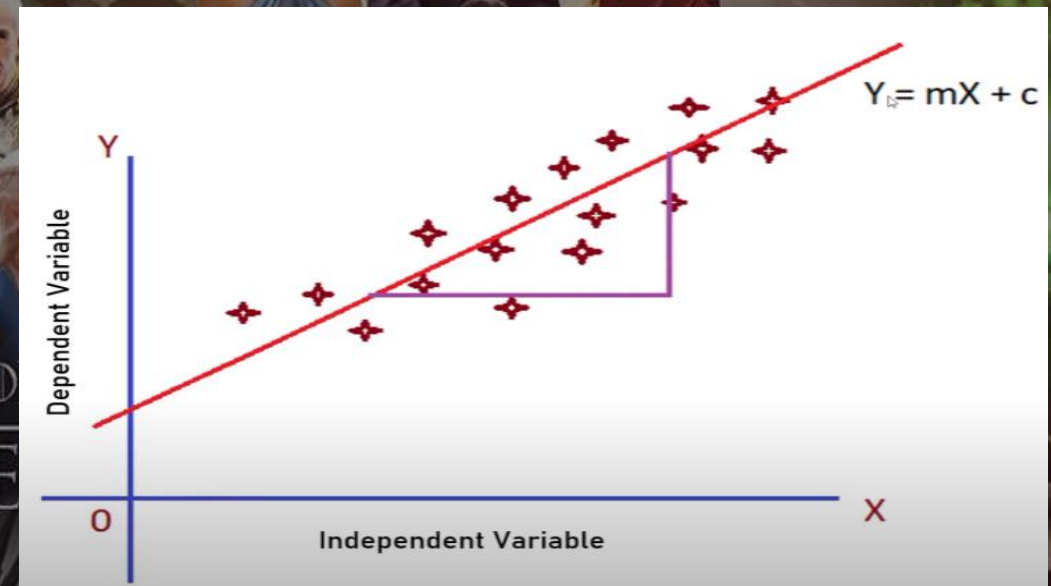


**Using heatmap & displot can find the
different in chat and predict IMDb**





The model is selected and train by the machine learning by using linear regression & random forest regression in python



The above graph explain the training of the model in regression and using X and Y in the graph we can predict the value of the m & c it is preprocessing data in dataset and After we can evaluate the predicted Scores using MAE and MSE or R-squared