Neural Networks:

- We are exploring a Recurrent Neural Network (RNN) Since we have sequential data (e.g., movie reviews).

- We are experimenting with ensemble neural networks for improved performance.

Model Selection:

We are choosing an appropriate regression model for the task. Common regression models for predicting IMDb scores include:

- Decision Trees and Random Forest: Effective for capturing nonlinear relationships.

- Gradient Boosting (e.g., XGBoost): Provides high predictive accuracy.

Model Training:

- We are splitting our dataset into a training set and a test set. Typically, we might be using 70-80% of the data for training and the rest for testing.

- We are training the selected regression model on the training data.