Data in format where eac hrow is review, columns of rating, sentiment, review text etc.

This data needs to be reformatted in user item matrix.

Hide X number of ratings from each user randomly. This is test set.

WE train the models using the known remaining ratings from the users.

Build the respective recommender model (neural, matrix etc).

Model should be in function format so as to grid search and optimally tune

Data Loading

Train and Test Splits

Build Model

Using the trained model we can tune using validation.

Hyperparammeter tune the model using validation set.

Evaluate optimally tuned model using test set (the intially hidden ratings)

Trained model uses training data. It tries to learn user item interaction.

Rating Prediction

Evaluation

Validation

Train Model

Rating Classification

Hyperparameter Tuning