**Exercise:**

1. Download Amazon Fine Food Reviews dataset from Kaggle. You may have to create a Kaggle account to download data. (<https://www.kaggle.com/snap/amazon-fine-food-reviews>)
2. Split data into train and test using time based slicing as 70% train & 30% test.
3. Perform featurization BoW,TFIDF, Avg Word2Vec, tf-idf-Word2Vec.
4. Apply GridsearchCV on train data to find optimal hyperparameters for both GBDT and RF.
5. Apply GBDT(Gradient Boosting Decision Tree) and RF(Random Forest) on dataset.
6. To test the performance of the model, calculate test error, train error, accuracy,precision,recall,F1-score,confusion matrix(TPR,TNR,FPR,FNR)
7. Write your observations in English as crisply and unambiguously as possible. Always quantify your results.