**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. Perform featurization, BoW, tf-idf,Avg Word2Vec, tf-idf-Word2Vec.
3. Split data into train and test using time based slicing as 70% train & 30% test.
4. Perform 10-fold cross validation to find optimal k.
5. Report test accuracy for all four featurization.
6. Write your observations in English as crisply and unambiguously as possible. Always quantify your results.