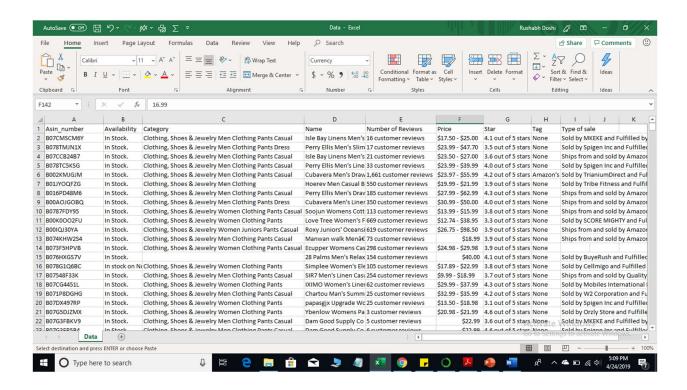
Rushabh Doshi Amazon choice Prediction Model MIS 637 Project

Problem Statement

Predicting amazon's best products by category, by doing textual analysis on product description, reviews & rating and build a model that will be helpful to the customer in classifying which product is best suitable for the category he/she wants to purchase in.

Dataset



Relevant Methods

For this dataset, the techniques I will be applying for the same are as follows:

- 1. KNN
- 2. Decision Tree
- 3. Random Forest

I will be leveraging these algorithms and predict accuracy for each one of them.

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Software Package

- 1. Python (For General Programming)
- 2. Sklearn (Python Package to implement Decision Tree algorithm)
- 3. Libraries: Pandas, NumPy, Scikit, Matplotlib
- 4. Web Scraping: BeautifulSoup and Selenium
- 5. NLP Libraries: nltk and SpaCy