Capstone 2 Ideas

1.Mining Amazon Reviews using NLP

Problem Statement: Online shopping is a form of electronic commerce which allows consumers to directly buy goods or services from a seller over the Internet using a web browser. Consumers find a product of interest by visiting the website of the retailer directly or by searching among alternative vendors using a shopping search engine, which displays the same product's availability and pricing at different e-retailers. But online shopping comes with its own limitations. One of the biggest challenges is verifying the authenticity of a product. Is it as good as advertised on the e-commerce site? Will the product last more than a year? Are the reviews given by other customers true or are they false advertising? These are important questions customers need to ask before spending their money.

Ratings alone do not give a complete picture of the products we wish to purchase. So secondary option is looking at the reviews. Review's plays an important role in the decision-making process. If the number of reviews is less, it is easy to read and understand but what if there are thousands of reviews. So, the problem is How we can analyze great number of online reviews using Natural Language Processing (NLP)?

This project will serve three purposes

1. Helps consumers to understand the sentiment of the review.
2. Help the consumers to get consumer feedback in the form of topics covered by the reviews without having to go through all of them.
3. Enable consumers to quickly extract the summary of the reviews without reading the entirely.

Dataset: https://www.kaggle.com/snap/amazon-fine-food-reviews

2. Classifying Movie Scripts: Predict the Movie Genre

The movie script to design a Natural language processing system that can help the customer classify it into the right genre in the coming future.

Dataset: https://www.machinehack.com/course/classifying-movie-scripts-predict-the-movie-genre/