

A photograph of a Scotch distillery, Lagavulin, located on the island of Islay in Scotland. The distillery is built on a rocky shore overlooking a body of water. In the foreground, there's a large white building with a prominent red chimney and several smaller buildings. To the right, a large sign on a wall reads "LAGAVULIN". The background shows rolling hills under a clear sky.

# I HIGHLY RECOMMEND SCOTCH

NOVEMBER 10, 2018  
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# Background Information

For those of you that are unfamiliar with scotch, it is an alcoholic spirit from the whiskey/whisky family and is also known as ‘Scotch Whisky’.

While there are many minor details of what makes a whisky “scotch whisky”, the main points are as follows.

- Must be distilled from malted barley.
- Must be aged in oak barrels for at least 3 years.

# Goal

- Create a item based recommender system to recommend new scotch whiskys for users.

# Problem Statement

- Is it possible to create an item based scotch recommender system utilizing natural language processing to assess taste description notes.

# Approach

- Scrape scotch data from the [Total Wine](#) website and collect information such as professional tasting notes, user tasting reviews, price, and geographic information(to name a few).
- Perform exploratory data analysis to better understand how the information gathers relates to itself and thus what information is best suited to utilize in the recommender.
- Assess text information of taste notes provided by the description on the website and look for any instances notes that are correlated (positively or negatively).
- Assess text information of reviews left by users to understand how there experiences related to the expected, as far as tastings go.

# Step 1 Findings / Supporting Information



# Step 2 Findings / Supporting Information



# Step 3 Findings / Supporting Information

A photograph of the Caol Ila Distillery in Port Askaig, Isle of Islay. The distillery is a large, white, two-story building with a prominent arched entrance. The words "CAOL ILA DISTILLERY" are printed vertically on its facade. It is located on a rocky shore overlooking a body of water. In the background, there are green hills and a few smaller buildings. The sky is overcast.

# Conclusion



# Recommendation/Recommended Actions



# Next Steps / Questions

