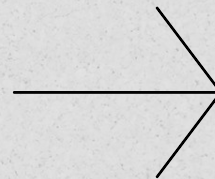# Finding Your Perfect Dram
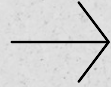
→

A Whisky Recommendation System for Beginners

TABLE OF CONTENTS
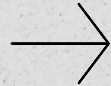
The Problem, The Solution

01.

- Difficulty understanding personal flavor preferences in whisky
- Recommendations based on user-reported food preferences

The Problem

- **4** whisky flavours quadrants

- **6** whisky production regions

- **146** whisky distillery

https://www.scotchmaltwhisky.co.uk/whiskyflavourmap.pdf

The Hypothesis

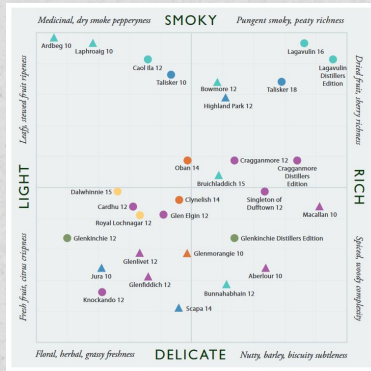- **Sweet** preferences: Recommend smoother whiskies with hints of vanilla, caramel, or honey (e.g., Speyside single malts, some bourbons)
- **Savory** preferences: Recommend whiskies with nutty, salty, or herbal notes (e.g., Irish whiskies, some Highland single malts)
- **Spicy** preferences: Recommend whiskies with peppery or smoky notes (e.g., Islay single malts, some rye whiskies)

Proposed Methods & Techniques

02.

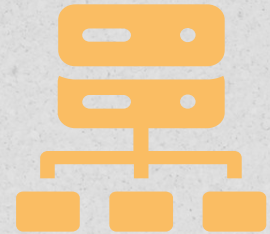- How data is retrived
- Recommender system

Data Collection

Machine Learning Techniques

- Using of API, PRAW, to scrape Reddit – r/Whisky, r/Scotch
- Collect reviews done by Redditor – u/buckydean, u/adunitbx
- Using of Pandas package to perform data cleaning

- Using of Python package – Scikit Learn
- Uses words to determine the connection between food preference and whisky
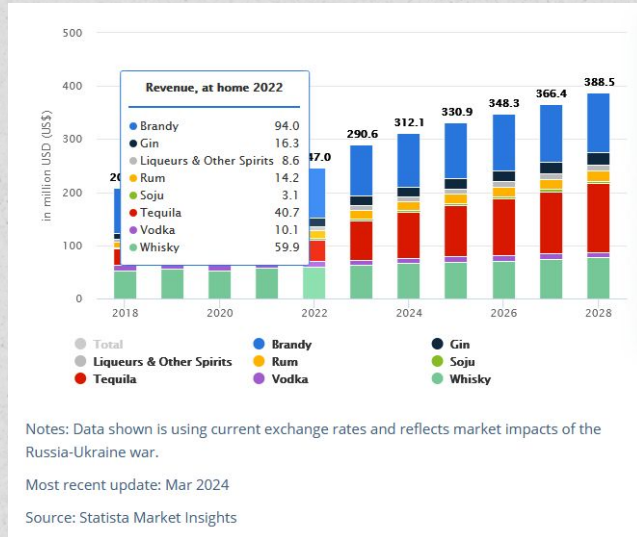- Using of LLM to prompt questions to get user preferences and provide recommendation

USP & Success

03.

- Why is my project Unique
- How to define sucess

Target Audience   Success Metrics

Revenue, at home 2022

Brandy	94.0
Gin	16.3
Liqueurs & Other Spirits	8.6
Rum	14.2
Soju	3.1
Tequila	40.7
Vodka	10.1
Whisky	59.9

Notes: Data shown is using current exchange rates and reflects market impacts of the Russia-Ukraine war.

Most recent update: Mar 2024

Source: Statista Market Insights

- Accuracy : How well it understands user input regarding food preferences
- Generalizability : Ability to handle variations in languages such as slangs and sarcasm
- LLM: comparison of RAGAS between different engines

THANKS!

DO YOU HAVE ANY QUESTIONS?