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Group 4- Project 4

Beer Recommendation Model Proposal

Our group was inspired to come up with a prediction model on beer because Gage's dad is going to open a brewery in the near future and Will is a bartender. Other than those reasons, beer is one of the most popular alcoholic beverages worldwide, with a vast range of styles and flavors to suit different preferences. As the craft beer industry continues to grow, consumers are faced with an overwhelming number of options when it comes to choosing a beer. This has led to the development of various beer recommendation systems that use data analytics and machine learning techniques to provide personalized beer recommendations based on the user's taste preferences.

We will be visualizing some graphs to address:

- Which are the top 10 breweries in Texas by rating?

- Which brewery has the best tasting beer?

- Which breweries is the least favored by rating?

- Which top 10 beers are favored by style?

- Which beers are the most popular by season?

COLOR:

For our color scheme we decided to use Untapped's color scheme since it is "twitter" of sorts for beer recommendations and evaluations.

ROLES AND RESPONSIBILITIES:

Omar- Model/Write ups/graphs

Will- Model/Tableau Graphs

Gage- Model/Data Cleaning/Website structure

Japhet-Model/graphs

PREDICTION:

Our model will be predicting/recommending a type of beer for the user based on taste and rating

INSPIRATION LINKS:

- https://www.kaggle.com/datasets/ehallmar/beers-breweries-and-beer-reviews?select=breweries.csv

- https://public.tableau.com/app/profile/victor.d.pr./viz/BeerConsumptionintheUS/Dashboard1

- https://www.kaggle.com/code/ruancmoral/beer-analysis

- **https://www.kaggle.com/code/joonim/beer-reviews-asking-questions** (diff data set but same principal)

Github:

https://github.com/gvader24/smu_project4_beer_reviews