WINE RECOMMENDER SYSTEM

Recommend similar wines
based of taste preferences

THE DATA

Field	Type	Description	Example
url	str	Full URL to the review	https://www.winemag.com/buying-guide/laurent-...-morgon/
title	str	Title/Name of the wine. **WARNING**: May include scraping errors.	Laurent Gauthier 2016 Vieilles Vignes Côte du Py (Morgon)
rating	int	Wine rating on the 100-point scale	91
description	str	Review of the wine	Wood aging has given spice to this rich, structured wine. Tannins and generous black fruits show through the still-young structure. This powerful wine, from one of the top vineyards in Morgon, will age well. Drink from 2020.
price	float, NULL	Price in $	25
designation	str, NULL	Quality level of wine	Vieilles Vignes Côte du Py
varietal	str	Grape Varietal/Blend name	Gamay
country	str	Name of Country	France
region	str, NULL	Region within a Country	Beaujolais
subregion	str, NULL	Sub-region within a region	Morgon
subsubregion	str, NULL	Detailed region	
winery	str	Name of producer/winery	Laurent Gauthier
vintage	int, NULL	Vintage (Year) of production	2016
alcohol	float, NULL	Alcohol By Volume (ABV) in %	13.5
category	str	Category of wine	Red

- 250.000 wine reviews from Wine Magazine scrapped in 2019.

- Reviews field include ratings and description by sommeliers, price, location, category of wine, etc
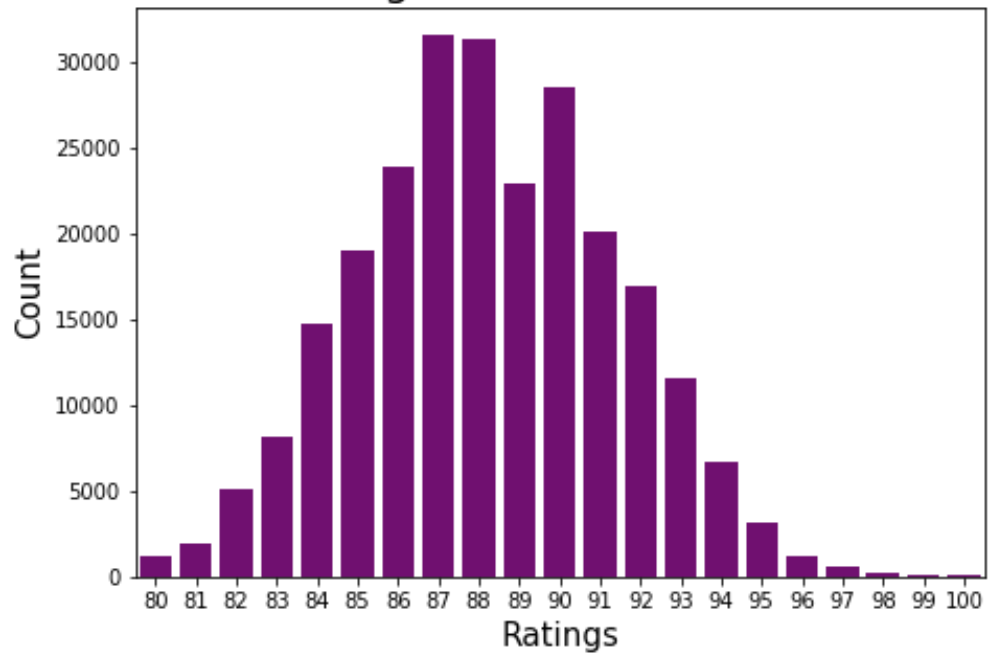
- About 130 megabytes of data

MAIN GOALS

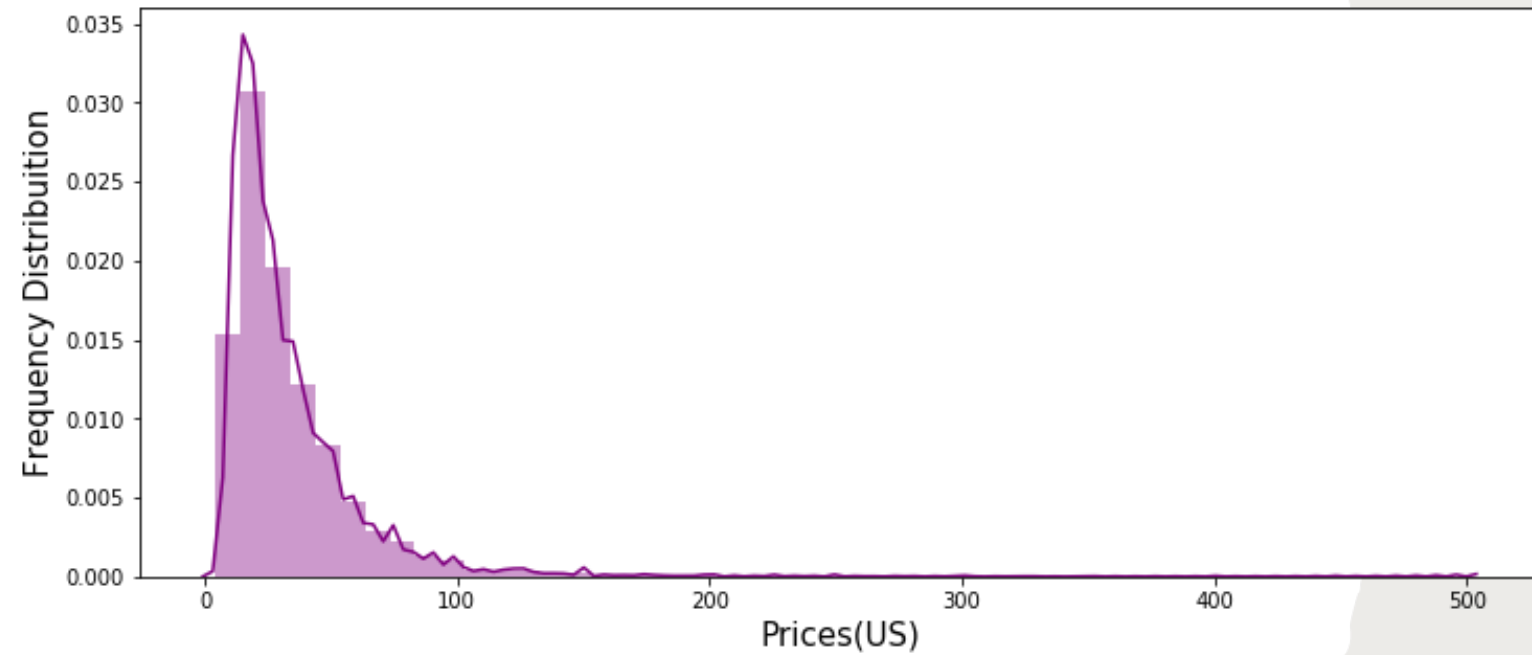| Field	Type	Description	Example
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- Predict ratings based only on descriptions

- Create a recommender system of wines with inputs taste of user or specific wines.
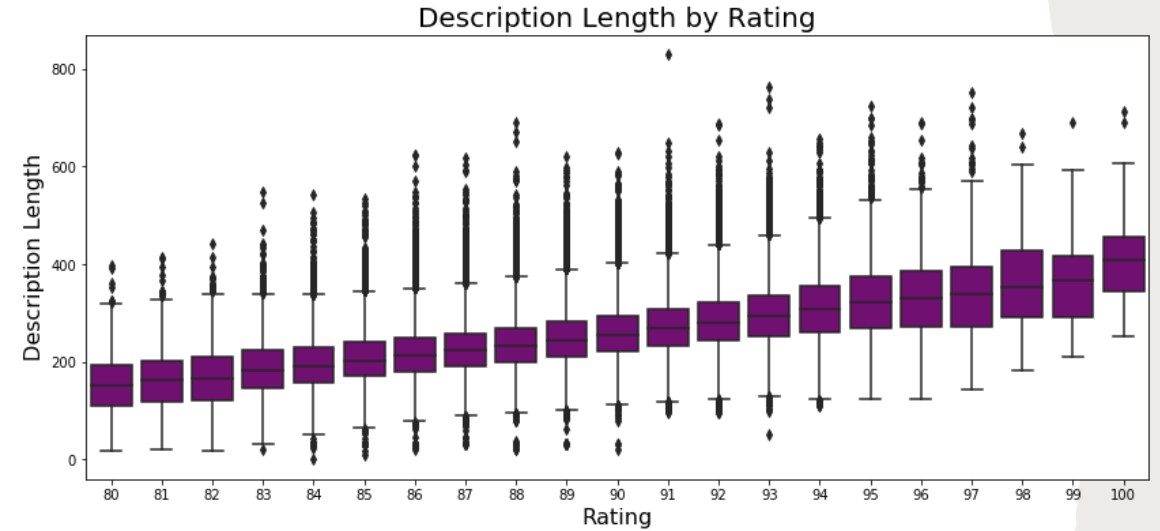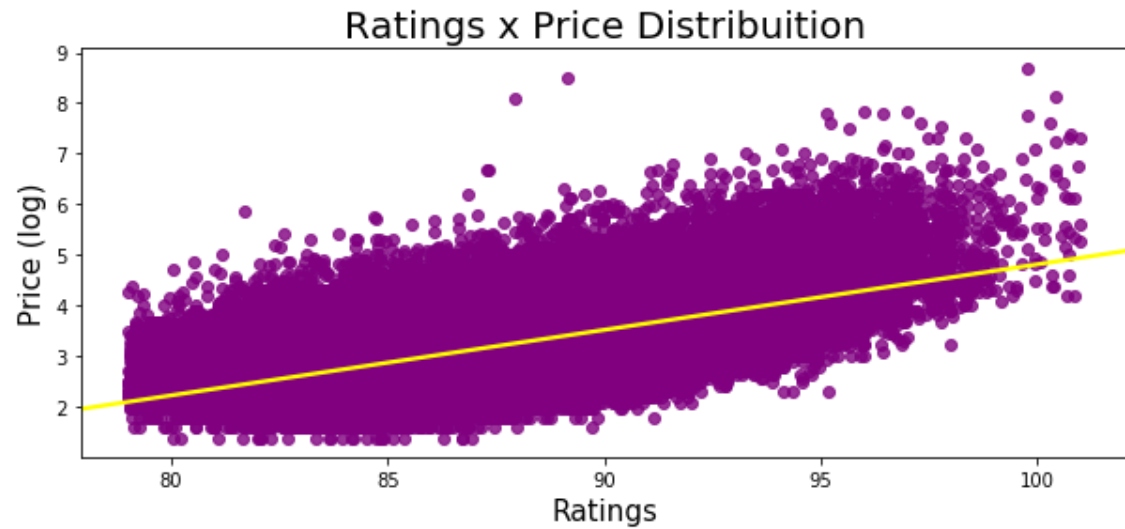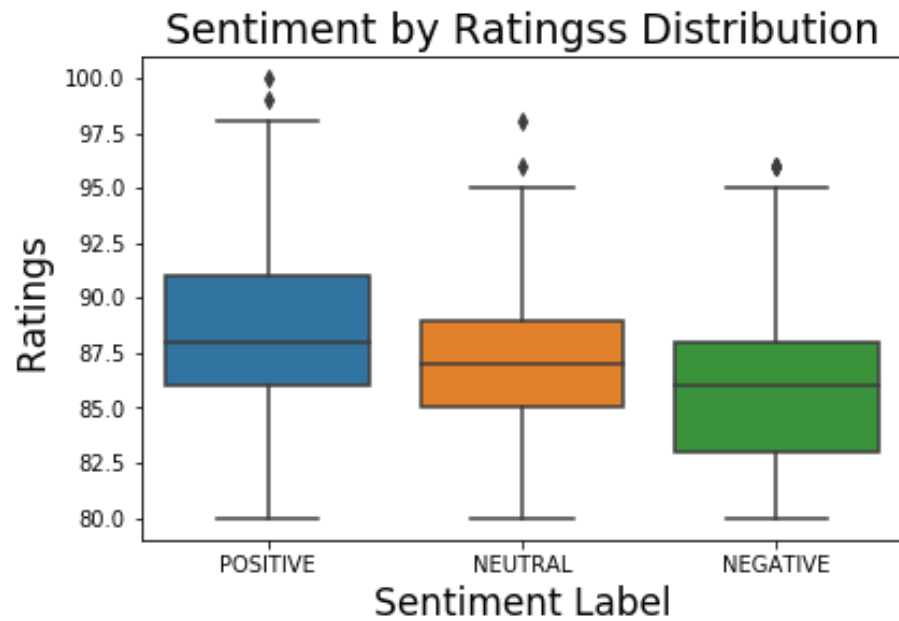
ASPECTS OF THE DATA

Ratings Count distribuition

Price Distribuition Filtered 500

RATINGS FROM THE DATA

Ratings x Price Distribuition

Description Length by Rating

RATINGS FROM THE DATA

Sentiment by Ratingss Distribution

- Can we use the descriptions to predict the ratings feature?

- Can we predict a wine preference based on a description input for a new user?