
Wine Reviews

Group 17

Dataset Overview

Dataset:

country	description	designation	points	price	province	region_1	region_2	taster_name	taster_twitter_handle	title	variety	winery
Italy	Aromas include tropical fruit, broom, brimston...	Vulkà Bianco	87	35.626276	Sicily & Sardinia	Etna	Unknown	Kerin O'Keefe	@kerinokeefe	Nicosia 2013 Vulkà Bianco (Etna)	White Blend	Nicosia

Wine Scoring Table:

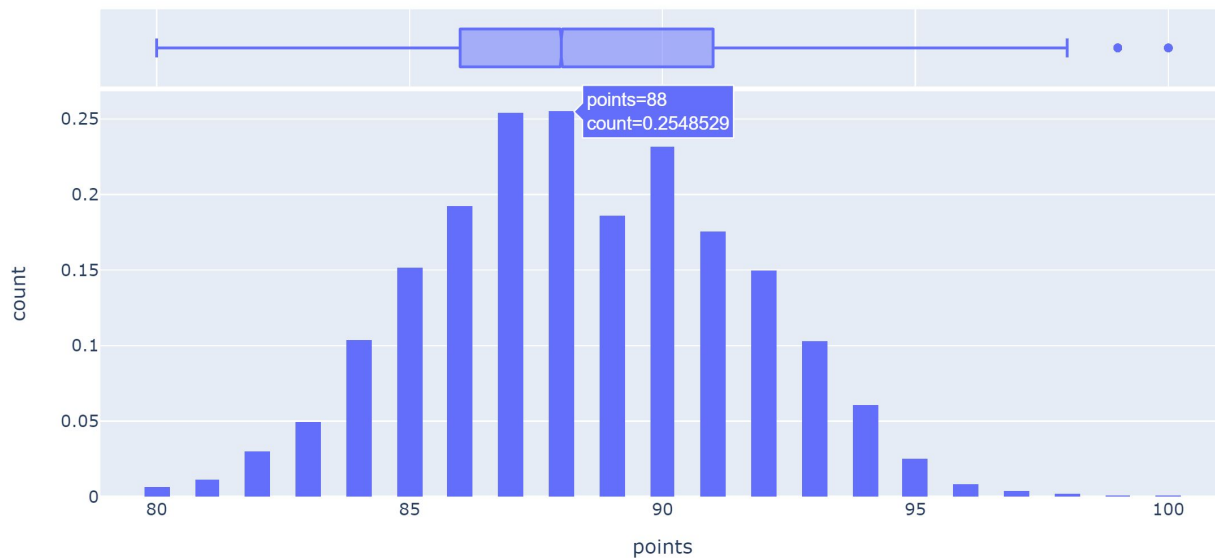
score	50-74	75-79 Mediocre	80-84 Good	85-89 Very good	90-94 Outstanding	95-100 Classic
comment	Not recommended	a drinkable wine that may have minor flaws	a solid, well-made wine	a wine with special qualities	a wine of superior character and style	a great wine

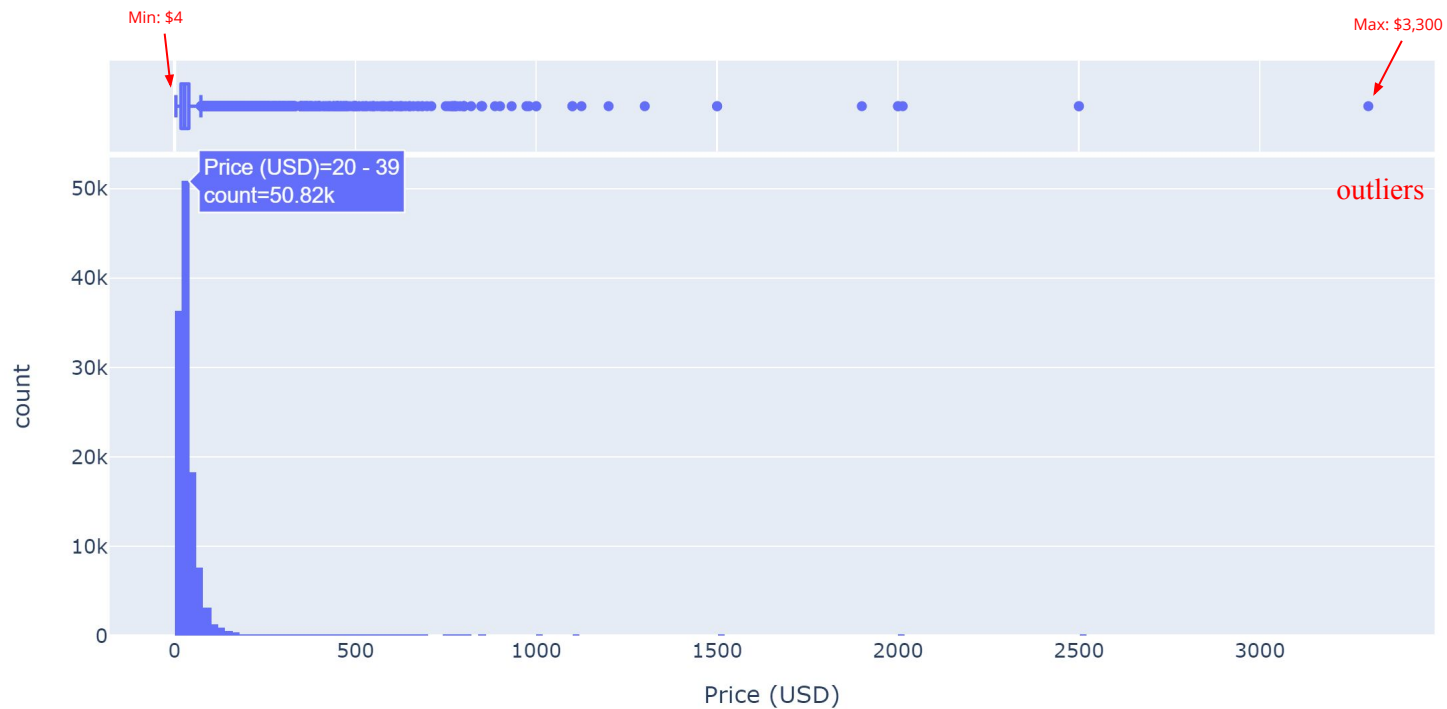
Wine Review

- We set out to answer a number of questions using our dataset:
 - Which countries and grapes produce highly rated yet affordable wines?
 - Which countries and grapes produce highly rated and expensive wines?
 - What's the score and points distribution for wines that contain supposedly 'high rating producing grapes'?
 - Does the score only depend on the grapes used? To what extent?
 - Does the price depend on the grapes used?
 - Is there any correlation between points and the price of these wines?
 - What's the points distribution for reviewers

Score Distribution

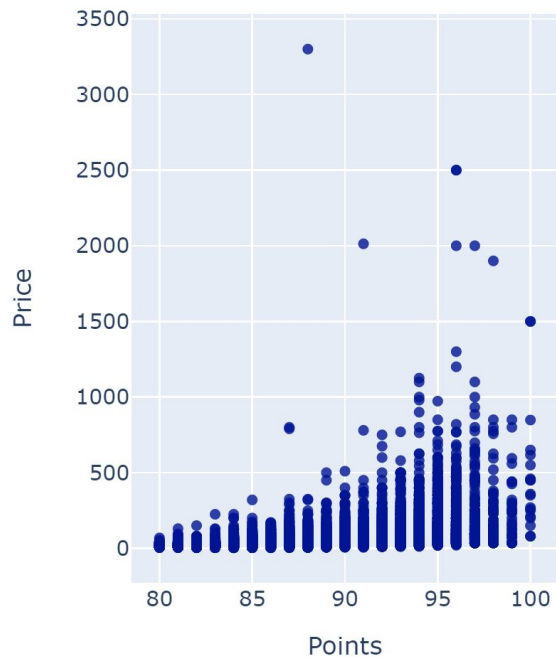
Normalized Score Distribution



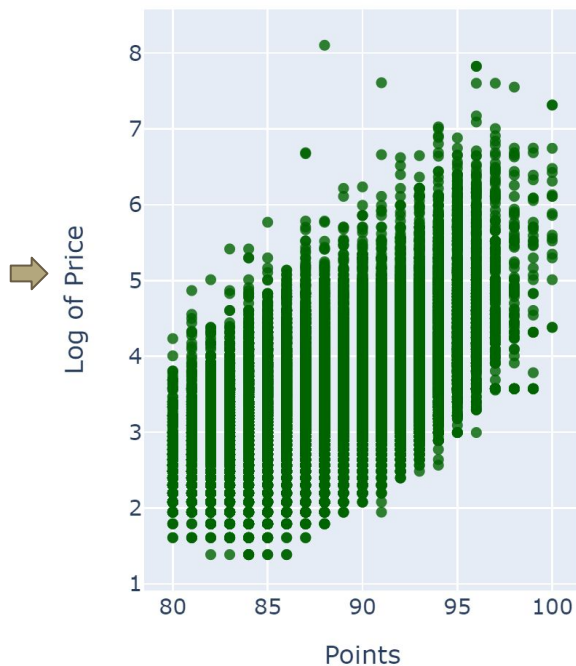


Correlation between Price & Score?

Points vs Price



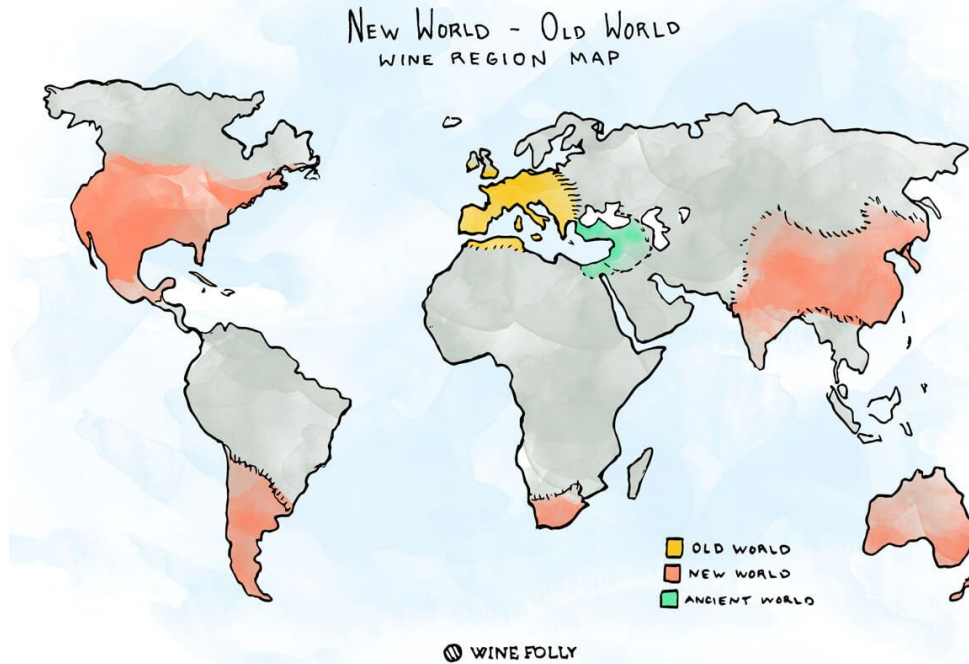
Points vs Log of Price



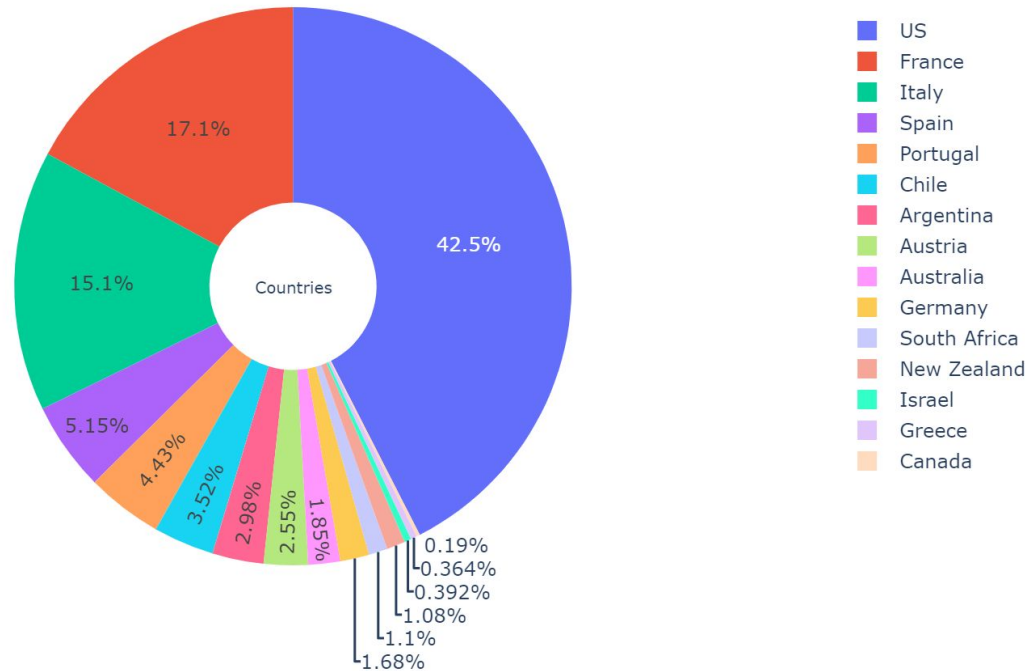
Spearman's Rank Correlation Results:

- Correlation: 0.588118
- P-value: 0.0

Country-wise Study

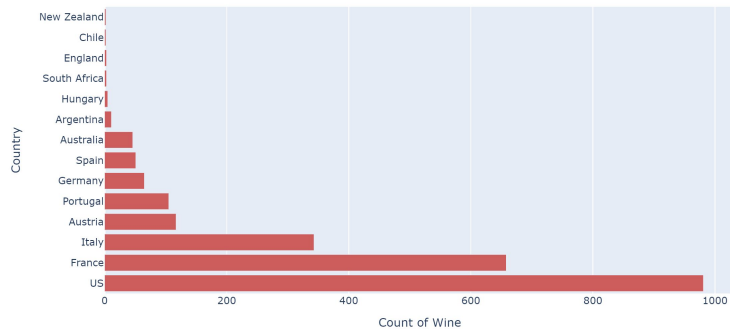


Country-wise Wine Count

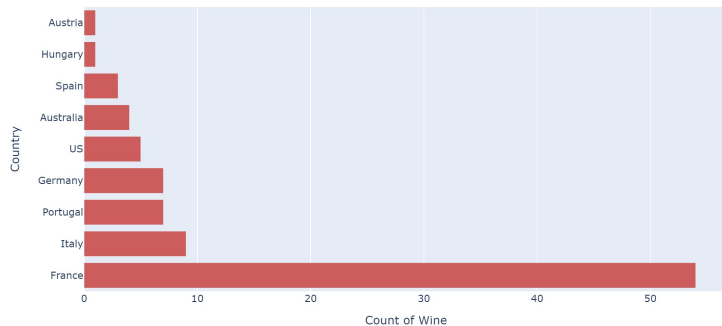


Country-wise Analysis

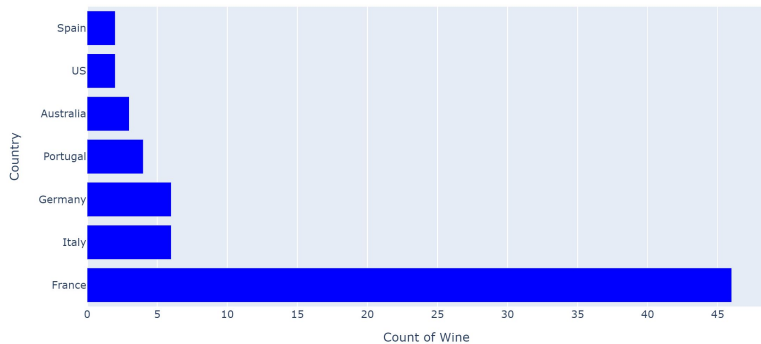
Countries with Highest Rated Wines (95-100 points)



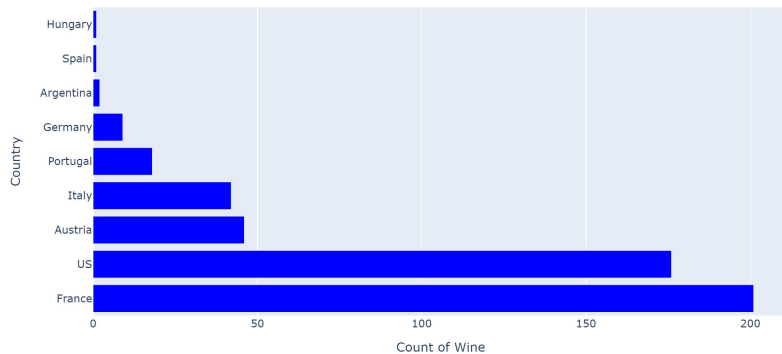
Countries with Highest Priced Wines (>500 USD)



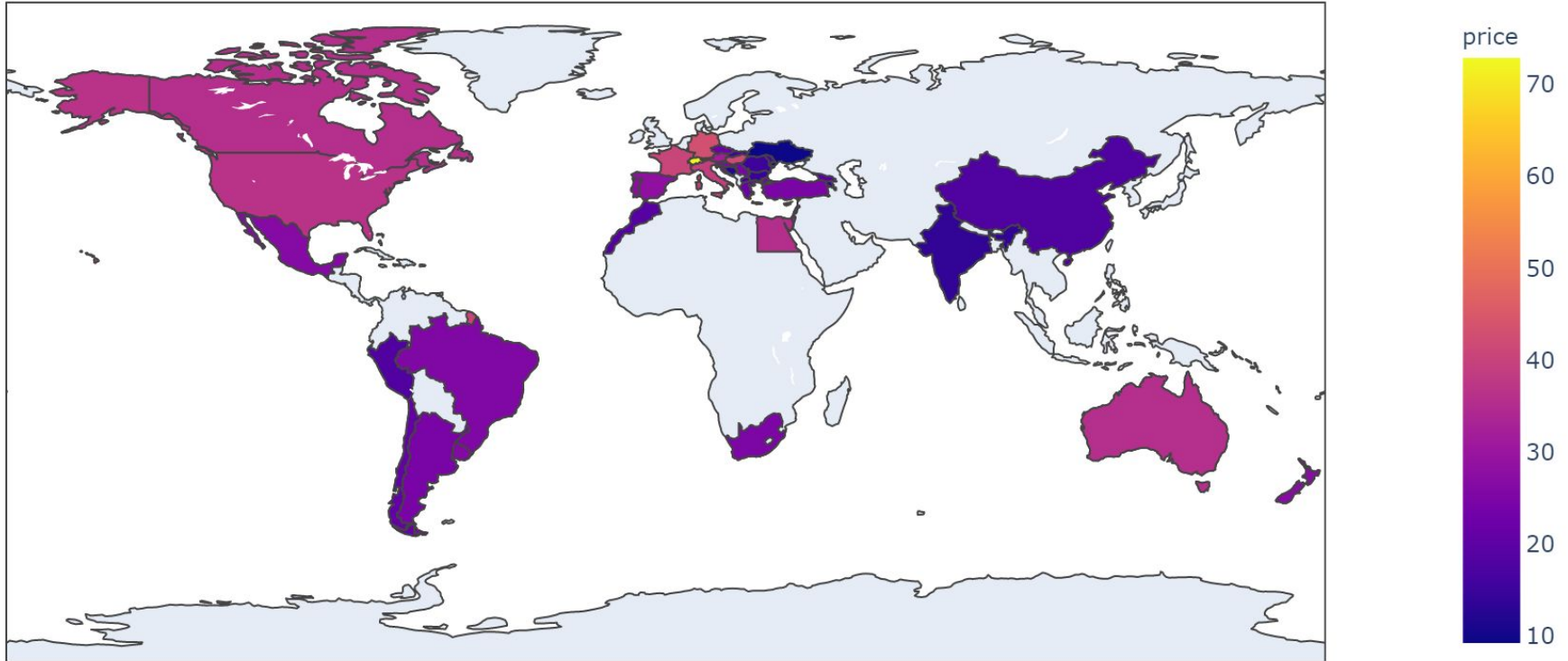
Countries with Expensive and Highly Rated Wines



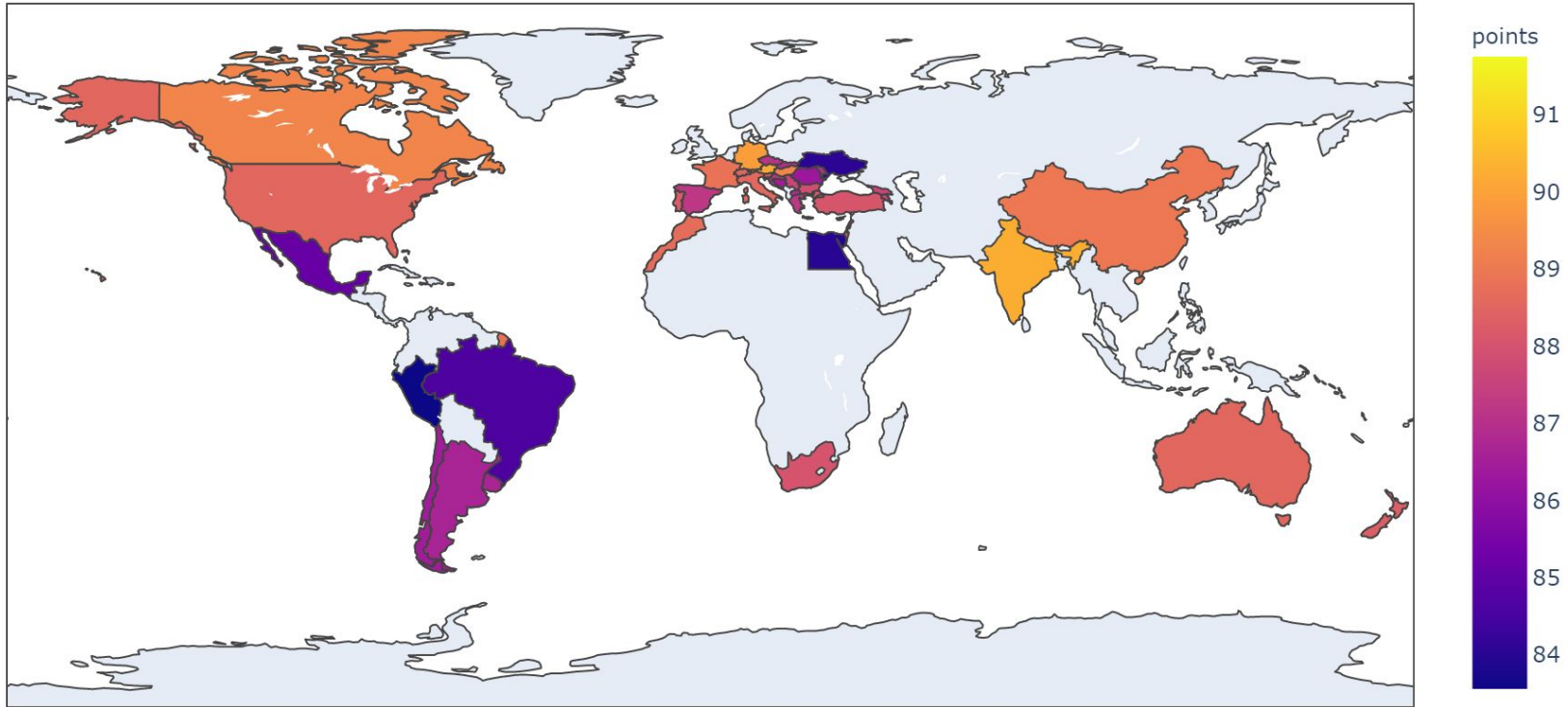
Countries with Affordable (<\$50) and Highly Rated Wines (95-100)



Country-wise Analysis - Mean Prices

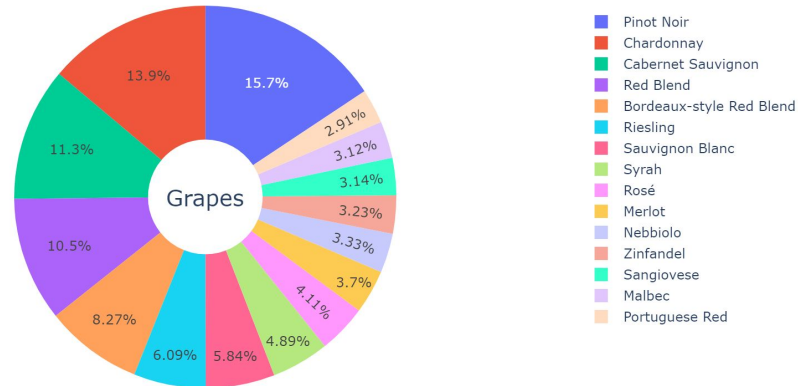


Country-wise Analysis - Mean Score

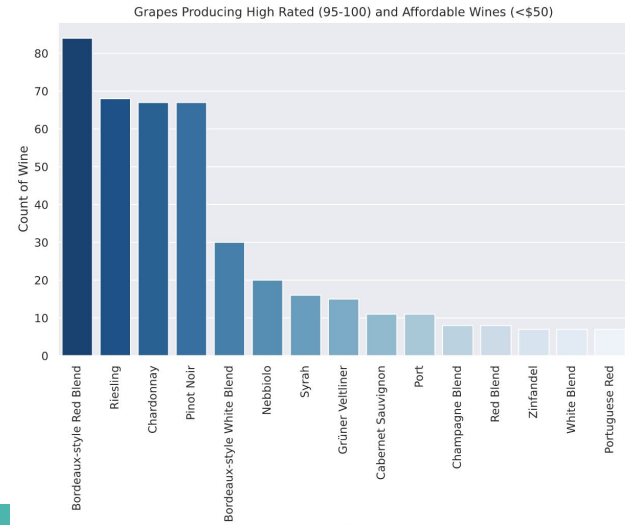
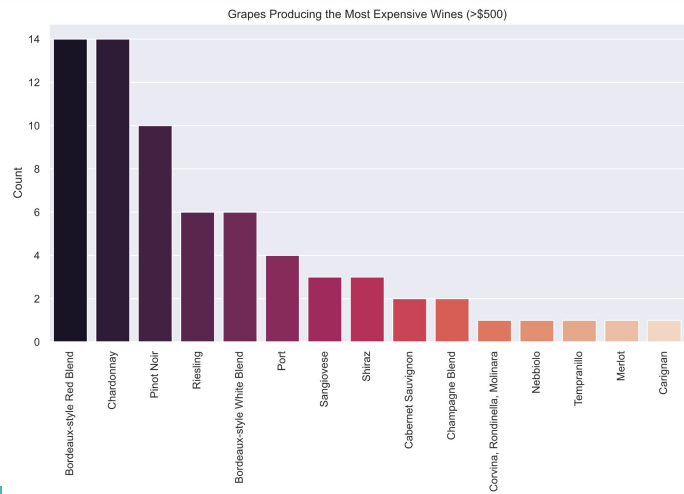
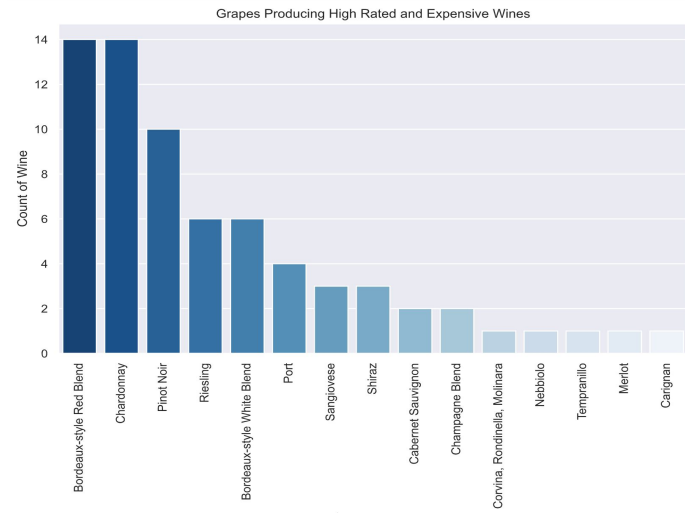
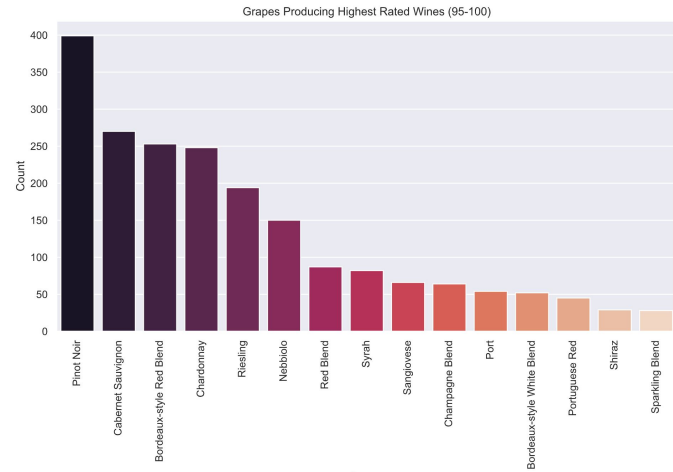


Grape Variety Analysis

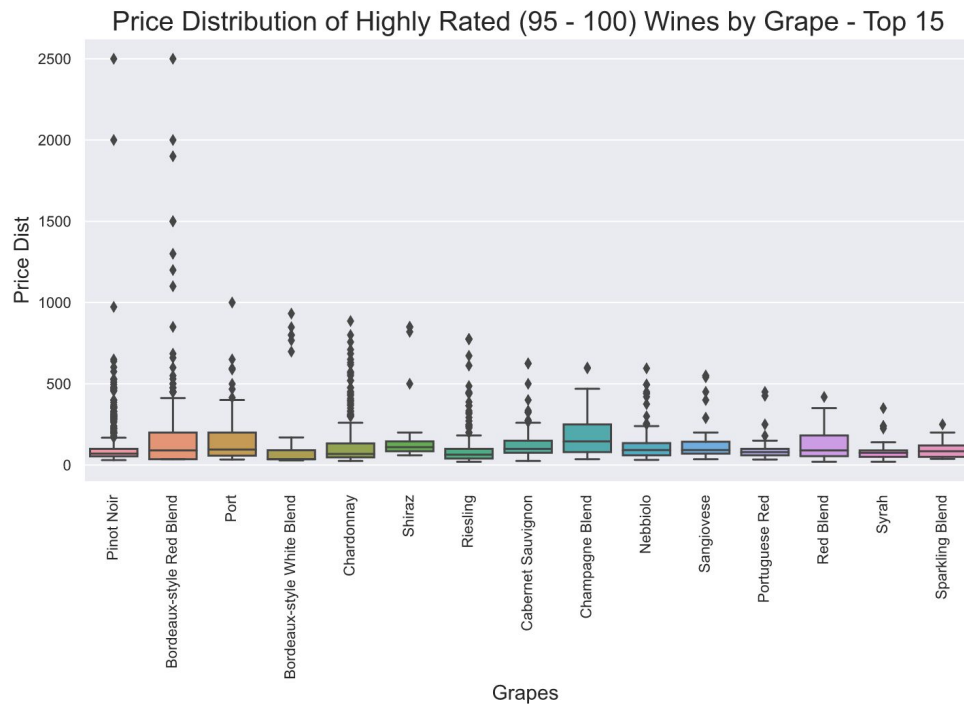
Variety of Grapes in Dataset - Top 15



Grape Variety Analysis

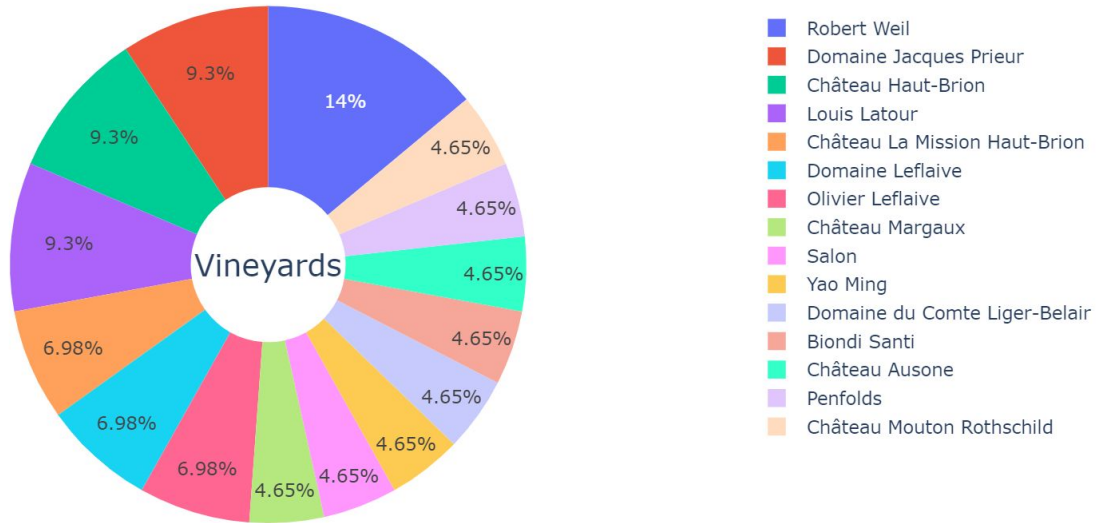


Grape Variety Analysis



Vineyard Analysis

Vineyards that Produce the Highest Rated (95-100) and Most Expensive Wines(>\$500) - Top 15



Word visualization



Wine Taster

