

New World vs. Old World



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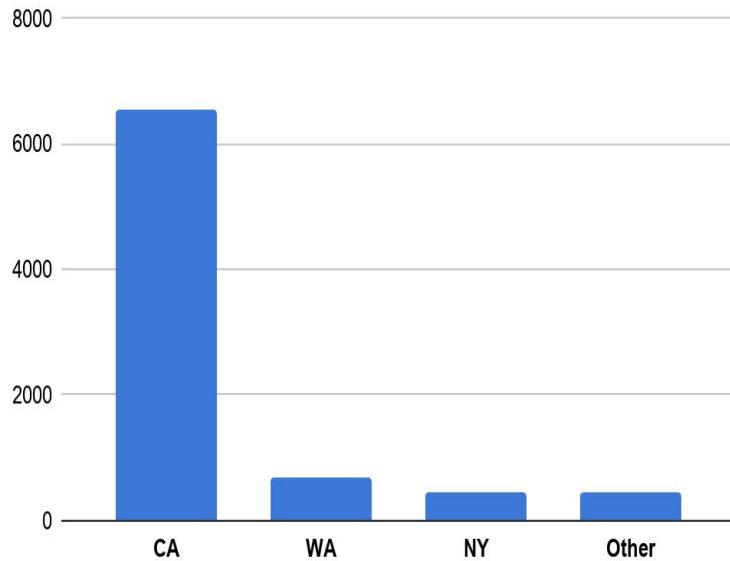
Do terroir and region definitively change taste?

- Isolate a Grape
 - Chardonnay
- Limit Countries
 - US
 - France
- Contrast word choices in reviews
- 150k reviews scraped from *WineEnthusiast*

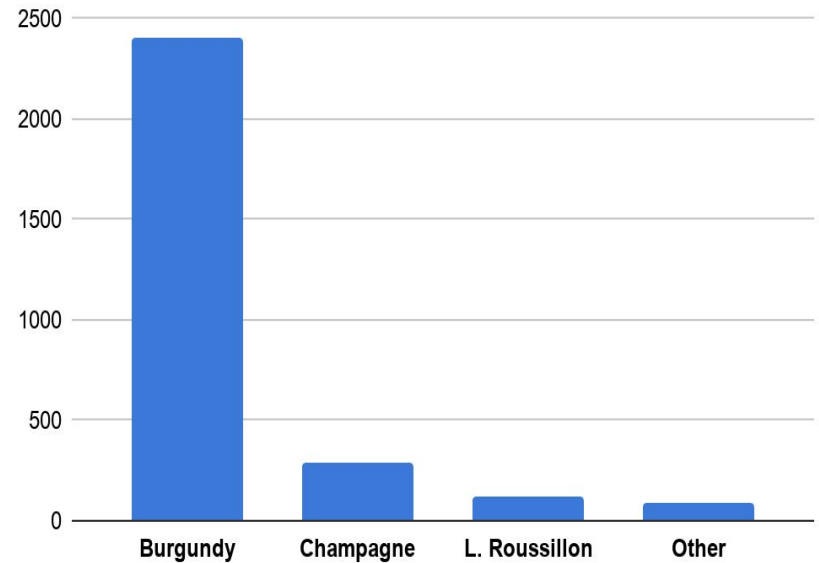


Provinces

United States



France



Features

- Binary columns encoded for specific word choices
- 50 specific buzz words
 - Moderately Engineered

“A **creamy**, **buttery** texture wraps around a core of bright **lemon** and **apple** flavors.”

Word Frequency

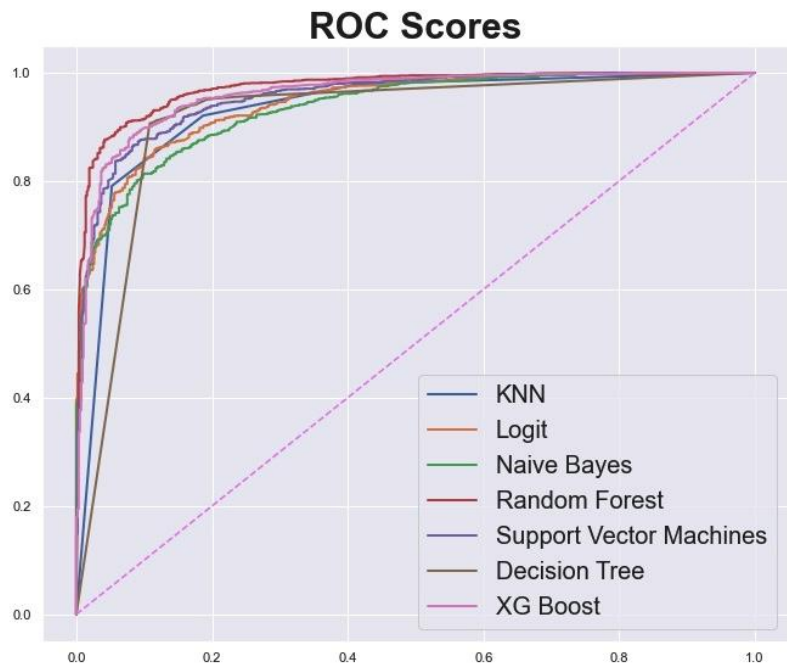


France



United States

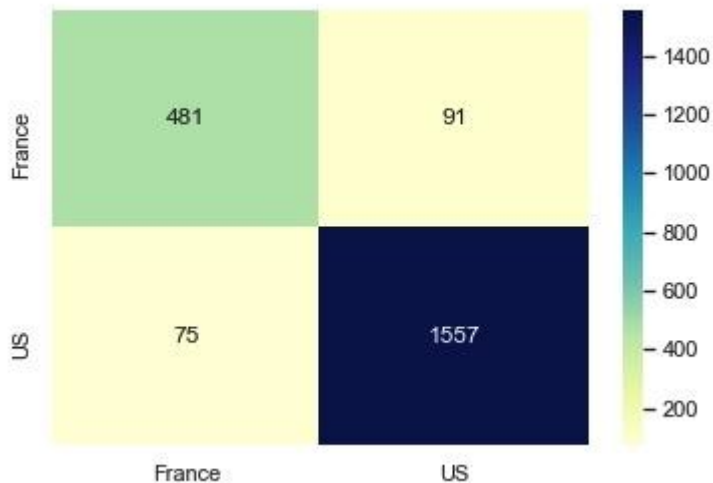
Fitted Models



Weighted Voting System

- 7 models vote

Final Model Metrics



Stacked Model

- **Precision: 0.841**
- **Recall: 0.865**
- **F1-score: 0.852**
- **92.5% correct classifications**

Natural Pitfall

Describing foreign tastes

"Very much like the fine 2009, the winery's new Chardonnay is **bone dry and austere, like a Chablis**. Highly minerally, with mouthwatering acidity, the fruit flavors veer toward Meyer lemons and limes."

-Kessler-Haak Vineyard, Central Coast, CA

Model prediction: France

Basic Streamlit Application

Streamlit

What am I drinking?

We can help you determine if your chardonnay is from France or the United States.

In the most pompous and scientific way possible, describe your chardonnay for me.

This its a super oaky and totally gnarly wine!

Guess!



Howdy stranger, this wine must be from right here in America.

What am I drinking?

We can help you determine if your chardonnay is from France or the United States.

In the most pompous and scientific way possible, describe your chardonnay for me.

Somewhat Picasso-esque, with lots of minerality!

Guess!



Zis wine is probably from France!

Questions?