

Wine 101



Why Wine?



The purpose of this project is to analyzes the relationships among wine prices, ratings, origin by using data obtained from a wine ratings magazine to give consumers more information to make a better decision to choose wine.



A few stats about the dataset:



Wine Enthusiast is one of the largest wine rated magazines and websites in the world.

- ✗ Rating score is from 80 to 100
- ✗ Price ranges between \$6 and \$750
- ✗ It contains 3,242 wine bottles sold on winemag.com produced between 1929 and 2016

1.

Myth or Fact

Can you answer it?

“

**Expensive wine is better
wine..**



Rating Fact

- ✗ Price is not a factor in assigning scores to wines.
- ✗ *Wine Enthusiast Scores:*
 - ✗ **95-100** -- Superb. One of the greats.
 - ✗ **90-94** -- Excellent. Extremely well made and highly recommended.
 - ✗ **85-89** -- Very good. May offer outstanding value if the price is right.
 - ✗ **80-84** -- Good. Solid wine, suitable for everyday consumption.

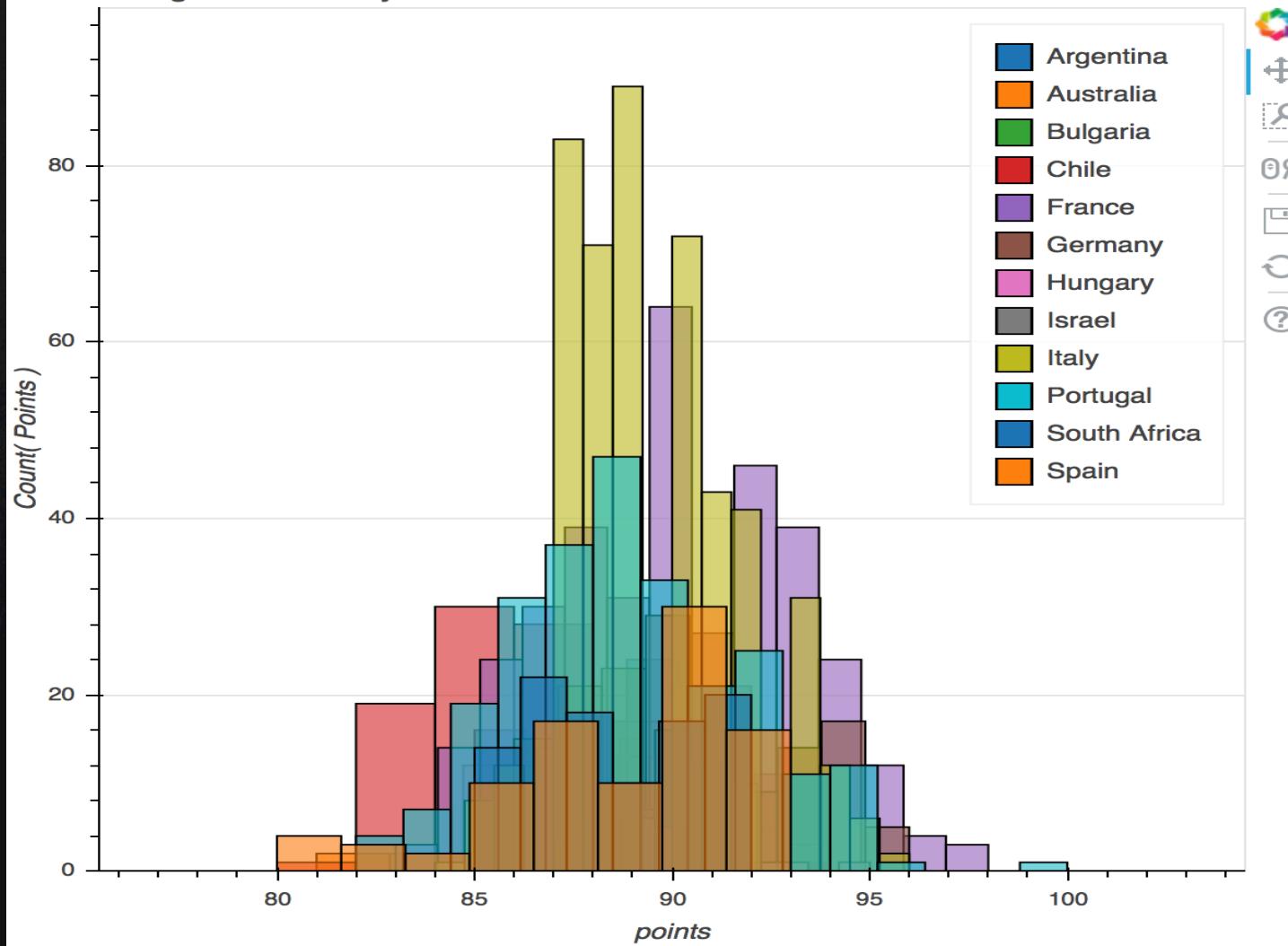
Adj R2 = 0.21877 Intercept = -568.98 Slope = 6.8295 P = 1.6718e-182



“

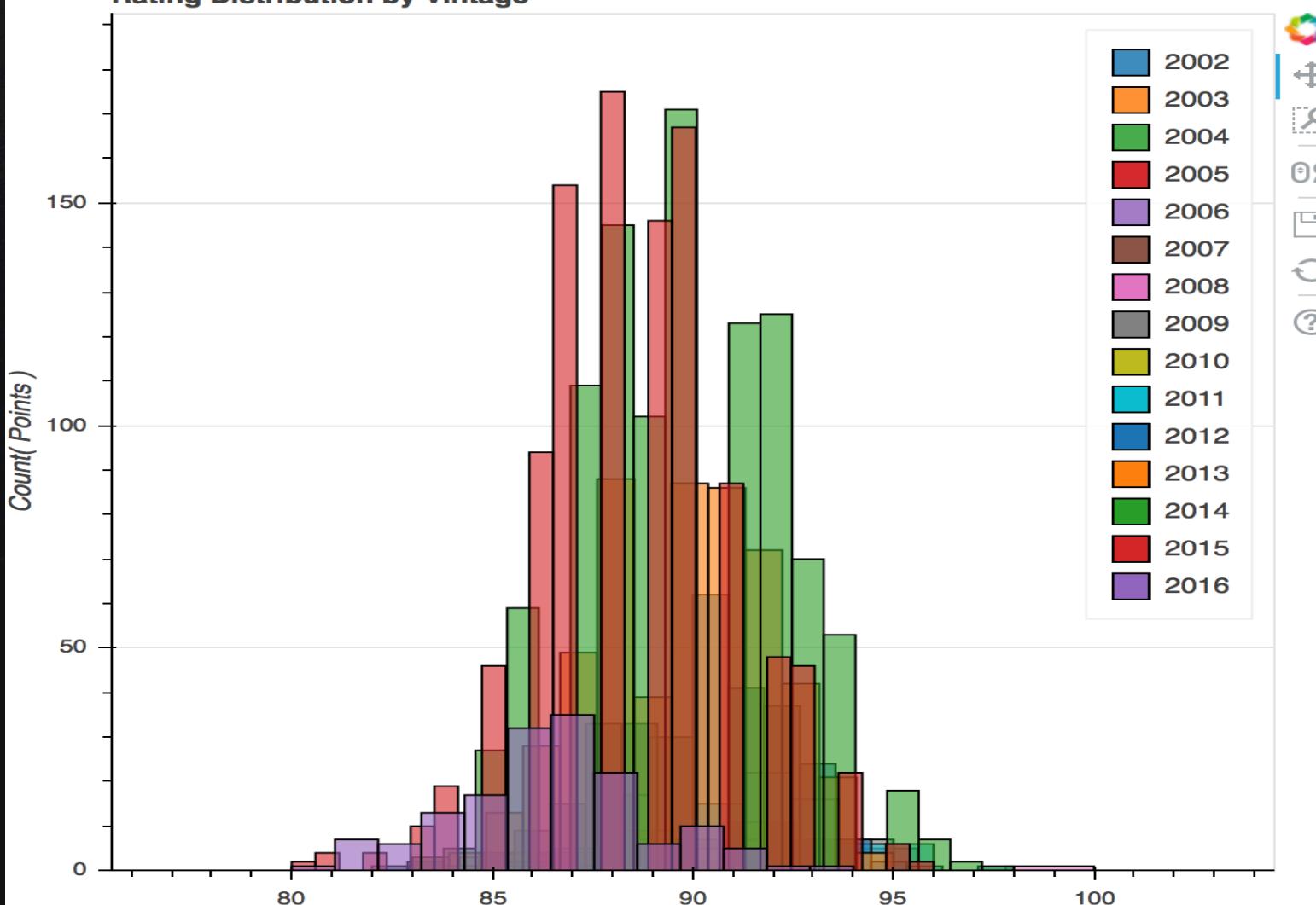
A grape is a grape, no matter
where it's from

Rating Distribution by Countries



“

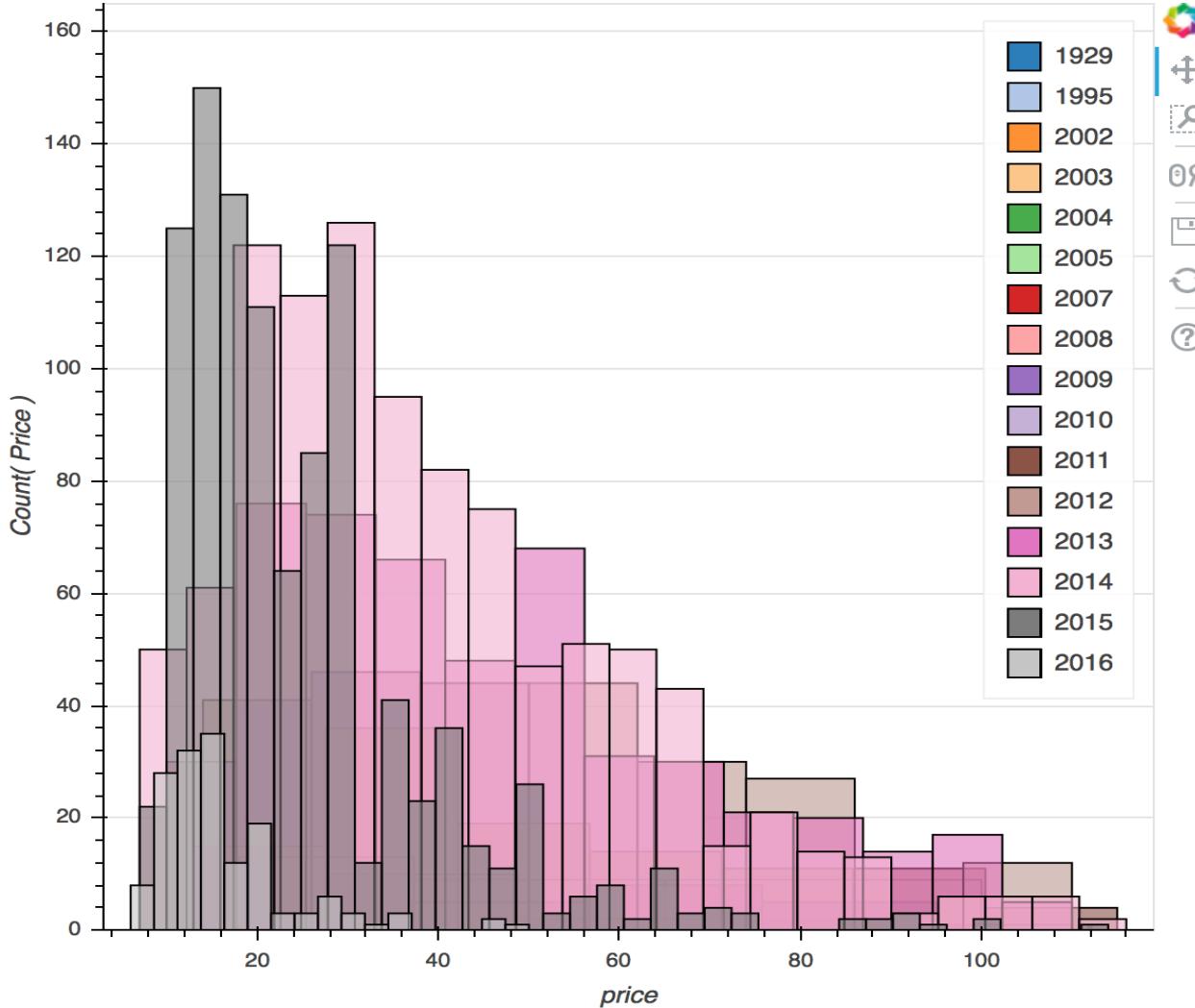
The older the wine the better



“

The older the wine ,more
expensive it gets

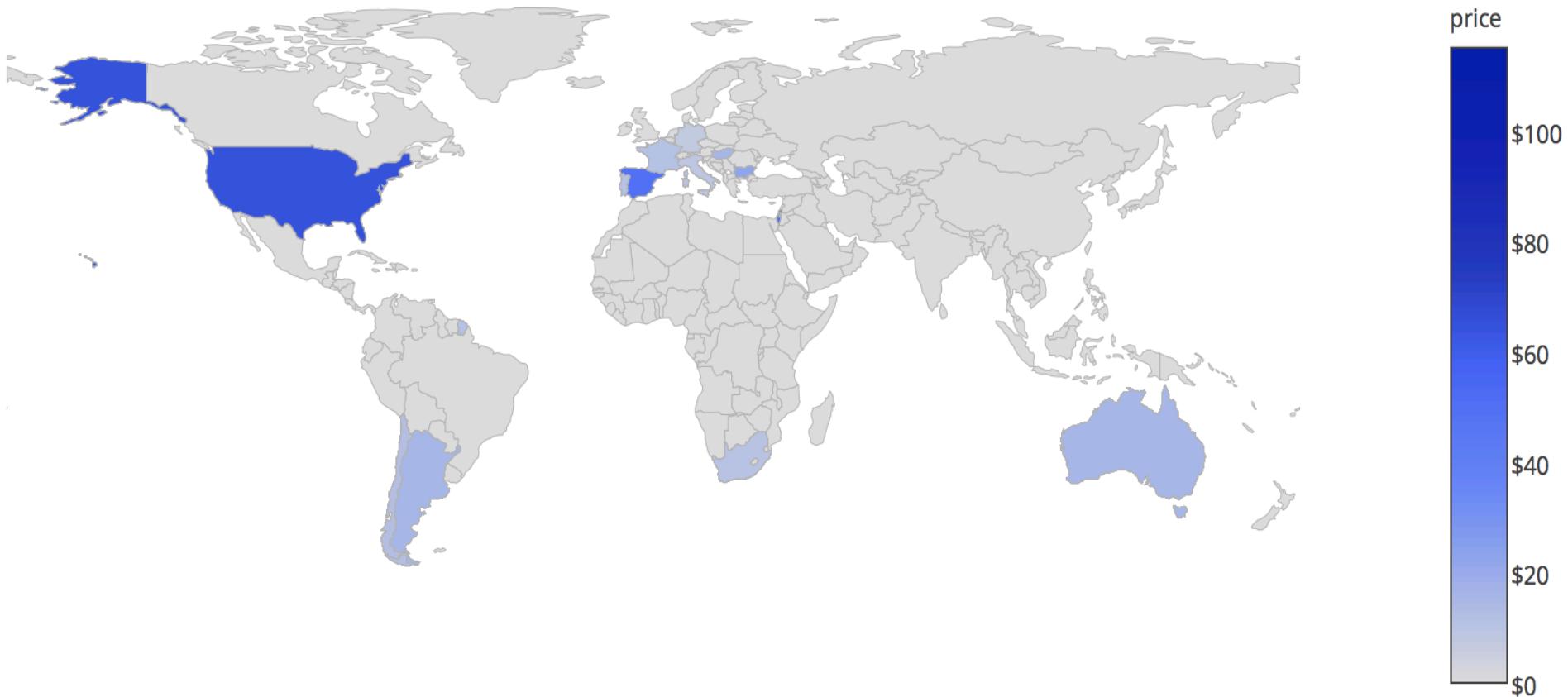
Rating Distribution by Vintage



“

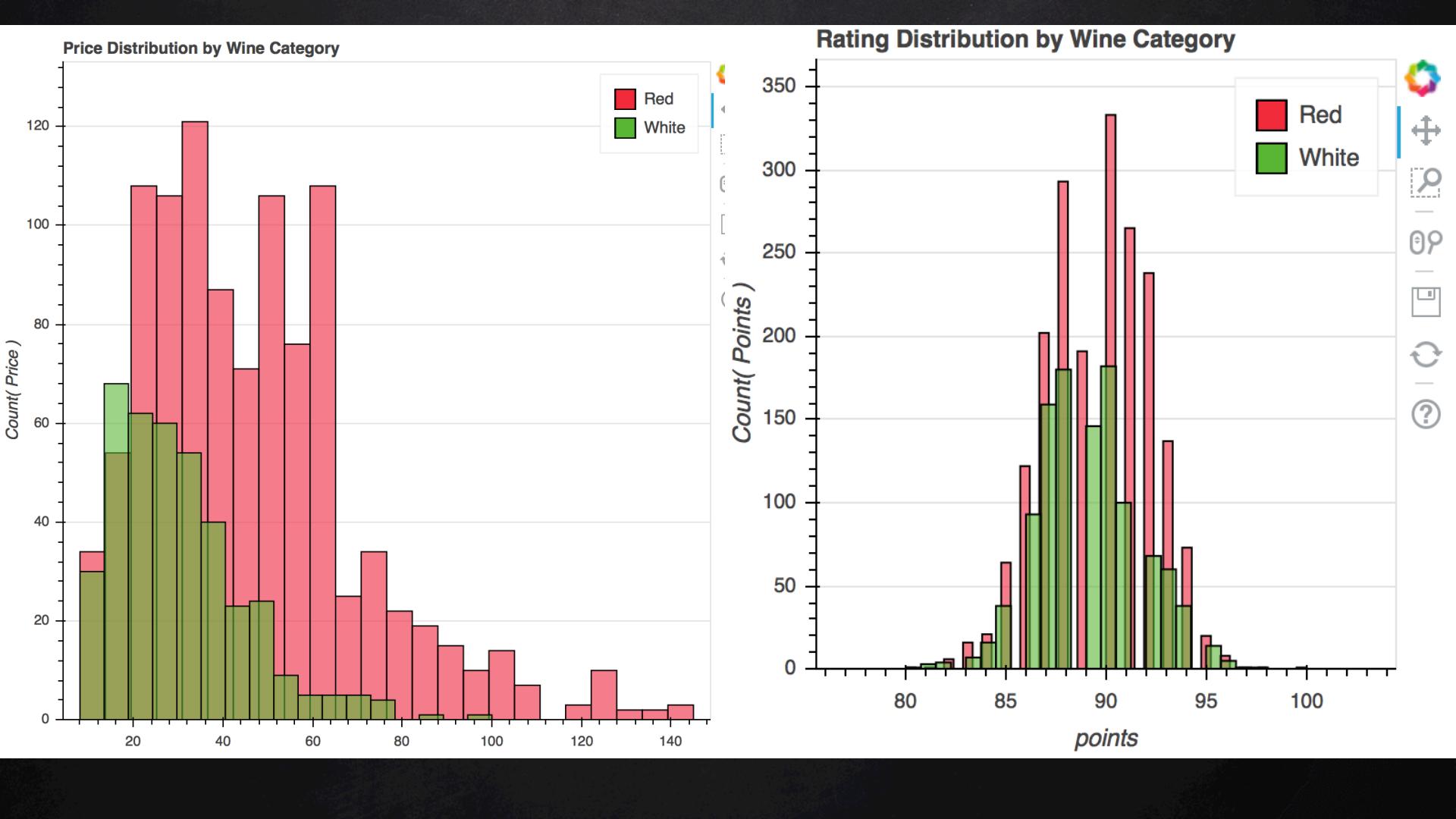
**European wines are more
expensive than US's**

Countries vs Price



“

**Red wines are better than white
wines in terms of rating and
more expensive too.**





Personal Sommelier

https://yabinfan.shinyapps.io/wine_shinny/

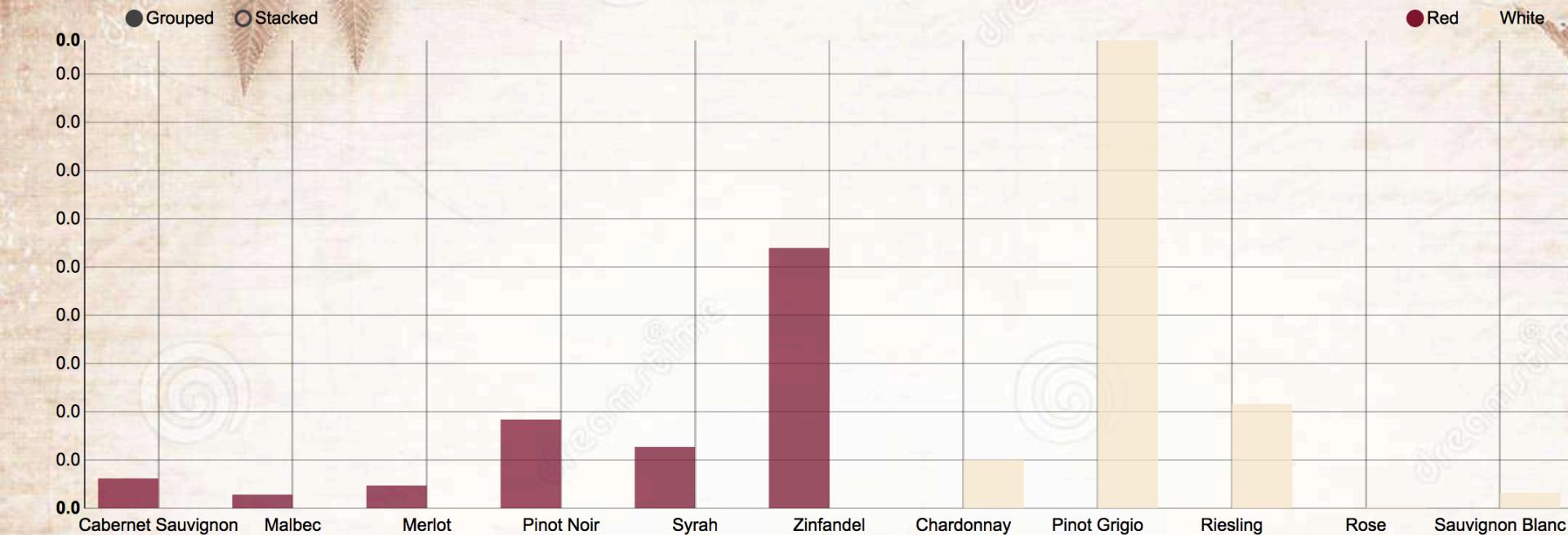
1. Choose the top n rated wine.
2. Choose the words map of wine which wine experts use the most
3. Choose some flavor words and My Sommelier will advise you on the best wine to match, it could be one or many.

young
color lightly concentration
toast structured aging made
ready balanced
full-bodied smoke
spicy lime offers lemon balance
time pear tart oak pepper feels
soft citrus now finish It's crisp
clove wild fine clean
Syrah structure
blend from flavors wine fruit cherry new nose
Drink for sip fresh currant flower
not an dried From cassis With
an still mineral still coffee
bottling lingering
show hints dry baked
fruits texture all be
pineapple into light opens
baked stone or
body very dense
round or
dense Cabernet chocolate
more green Merlot
vineyard melon scents great
earthy give strawberry
minerality

Describe your ideal wine and the chart
updates with the best varietals!

dry fruity

I need help thinking of descriptive words



The recommendation system takes words scraped from thousands of wine descriptions written on wine enthusiast magazine and uses a Naive Bayesian model to determine the most likely posterior probability given user-inputted text.

Credits

Special thanks:

Luke, Zeyu

Rstudio team, shiny ,thoese amazing packages
Python Bokeh, plotly.



thanks!



Any questions?