



COUTANT ELLIOT

Final Project

Wine recommender



Presentation Overview

TOPICS TO COVER

- Dataset
- Achievements
- Dashboard
- Streamlit
- Numbers
- Problems
- Conclusion

DATASET RED WINE

Small dataset but interesting features inside. I had the components of the wine.



DATASET WHITE WINE

The white dataset was bigger and more interesting to analyze. The features were still the same tough.

What has been achieved ?

QUALITY

Based on the features that I had. The professional can predict the quality of his wine.

RED / WHITE

The professional can also by putting the characteristics of the wines determine if it is a red wine or white wine.

WINE RECOMMENDER

Both beginners and professionals can use it. It will based on your taste or favorite wine give you another wine to try.

DASHBOARD

Thanks to tableau, we could see interesting insights.



Dash board ici

Presentations are communication tools that can be used as demonstrations, lectures, speeches, reports, and more. Most of the time, they're presented before an audience.

Machine learning results

1

PREDICTING QUALITY

- Linear regression
- KNN
- Random Forest reg/class

2

PREDICTING TYPE

- Linear regression
- KNN
- Random Forest reg/class

1

RANDOM FOREST CLA.

result of 75%

2

RANDOM FOREST CLA.

Result of 99%

Wine recommender

BOTH BEGINNERS AND PROFESSIONELS

Use it to find other wines that you may don't know to complete your collection !



Problems encounter during the process

- PREDICTING THE QUALITY BY MIXING RED / WHITE DF
- AMOUNT OF DATA LIMITED
- WINES NAMES NOT AVAILABLE
- VERY INTERESTING FEATURES MISSING LIKE THE DOMAINE OR THE YEAR OF PRODUCTION