Personal Sommelier

Select your next bottle more easily
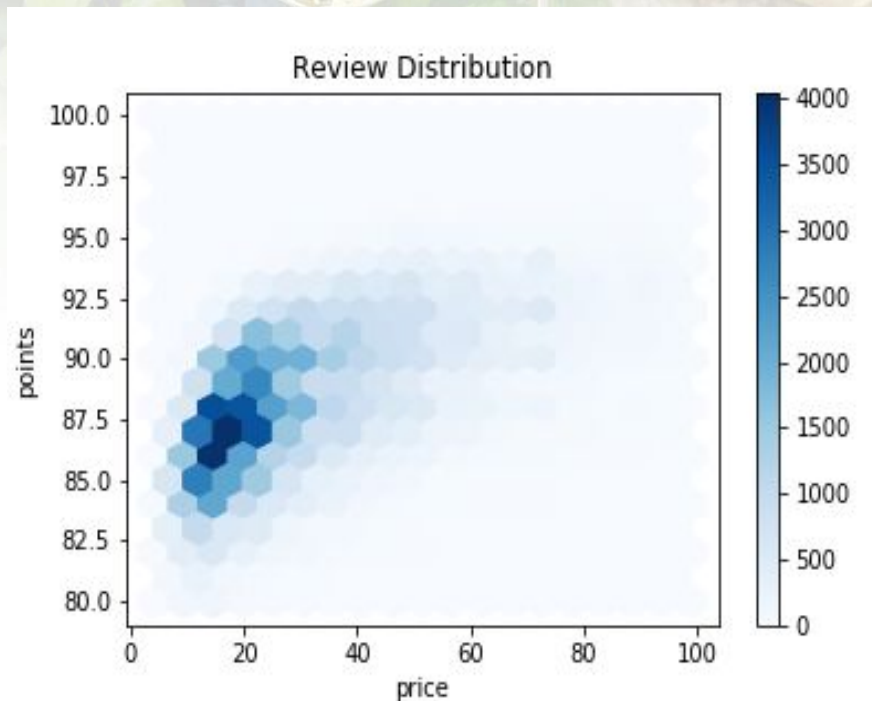
Yu Fen Lin

Data

130k wine reviews from Wine Enthusiast
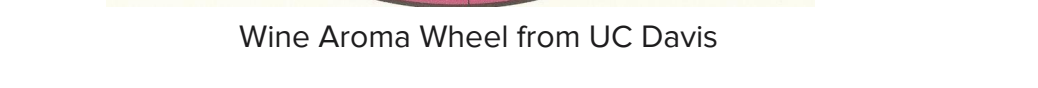
- Price < $100
- Rating point : 80 - 100

Use 82k records

Model

- Content-based
- Natural Language Toolkit
- SnowballStemmer
- TF-IDF Vectorizer

Wine Aroma Wheel from UC Davis

Similar Taste

Carl Ehrhard Rüdesheimer Dry Kabinett Riesling (Rheingau), Germany

Flavor keywords:
herb, grapefruit, peach, dry, acidity, savory

Hazlitt 1852 Vineyards Sauvignon Blanc, US
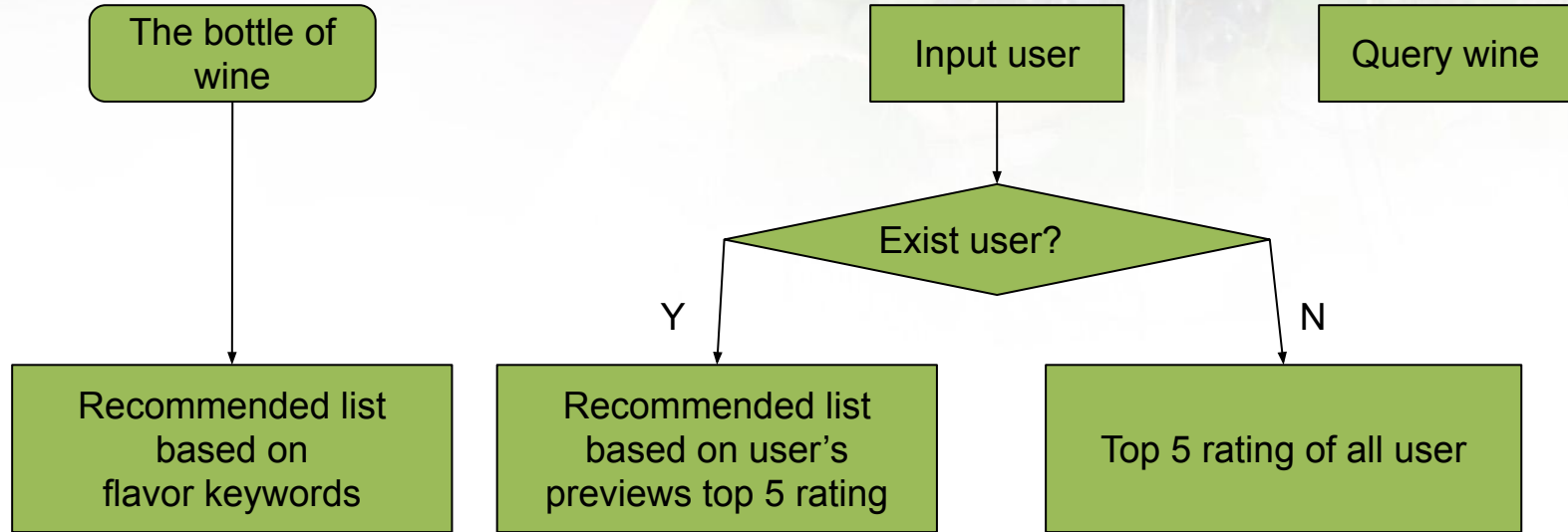dried, herb, grapefruit, peach, acidity, savory

Fox Run Riesling 11 Hanging Delta Vineyar, US
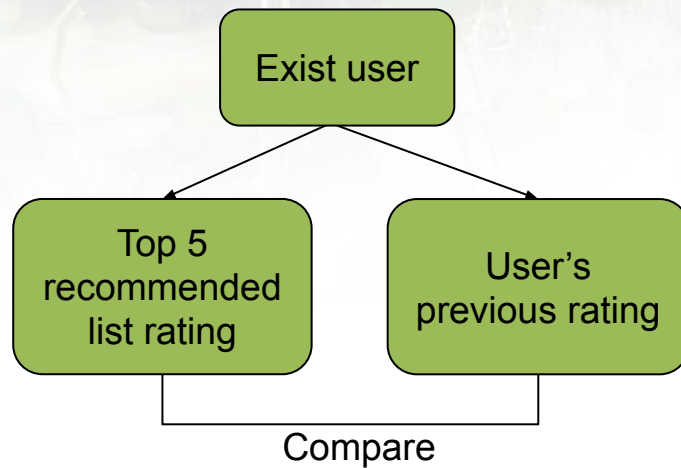
grapefruit, peach, acid, savory

Flask

The bottle of wine

Input user

Query wine

Exist user?

Y

N

Recommended list based on flavor keywords

Recommended list based on user's previews top 5 rating

Top 5 rating of all user

Evaluation

Rating point

– Average increasing 1.2 points (5.9%)
– Max increasing 5.7 points (28.9%)

Exist user

Top 5 recommended list rating

User's previous rating

Compare

Next Steps

- Add the filtering into content-based search
- Character Encoding
- The function of adding review

Thank You