

# Wineymag.com

## Wine Rating Prediction

### **Business Problem**

It is often said that great wine is made in the vineyard, not in the winery. However, winemakers have the ability to modify certain aspects of the wines they produce, such as the level of acidity, sweetness or alcohol, as well as the shelf life.

Wineymag.com is an internationally acknowledged wine rating website which works with internal and external wine tasters to come up with ratings for newly introduced wines. Typically they work with 1000-2000 wine tasters to come up with initial wine ratings and engaging authentic wine tasters is a challenging task. Now that they are getting into the business of promoting locally produced not-so-renowned wines as well, the task of bringing in wine tasters gets trickier and Wineymag is looking to take help of current digital technologies to help them in this regard.

### **Experts' Objective**

One of Winey's senior board members introduced you as an analytics expert, with the POC stakeholder. The stakeholder has defined the following two objectives to be solved in the POC phase :

1. Understand the drivers of wine rating
2. A prediction system which can predict wine ratings based on other wine attributes

### **Submission Items**

1. Charts, Hypothesis and Insights based on driver analysis
2. Separate training and prediction scripts
3. Prediction Results for Test.csv
4. Summarize all findings, strategies, algorithms, insights etc. in a single presentation