

# Machine Learning, with Wine

Developing models to predict wine quality  
based on physicochemical measurements

	Proficiency	
<b>Presentation</b>	<p>Content</p> <p>The presentation outlines the project, including the following:</p> <ul style="list-style-type: none"> <li>✓ Selected topic</li> <li>✓ Reason why they selected their topic</li> <li>✓ Description of their source of data</li> <li>✓ Questions they hope to answer with the data</li> <li>✓ Description of the data exploration phase of the project</li> <li>✓ Description of the analysis phase of the project</li> </ul> <p>Slides</p> <p>Presentations are drafted in Google Slides.</p>	15



# The Team

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The Topic





# Questions to Answer

1. Is a "Good" wine able to be predicted via the analysis of a wine's physicochemical properties?
2. What physicochemical features are most responsible for determining wine quality?
3. Can a wine quality evaluation be conducted agnostic of wine type (red or white), or do such evaluations need to remain segregated by type?



# The Why

# Data Exploration



# The Database





# Analysis Phase



# The Dashboard



# Tools



**What:** Tableau Software is an American interactive data visualization software company focused on business intelligence.

**Why:** Tableau features the ability to create easily interactive dashboards and storyboards

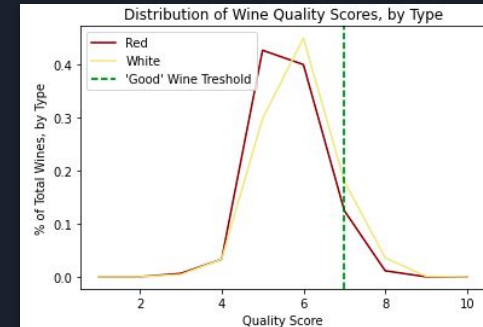
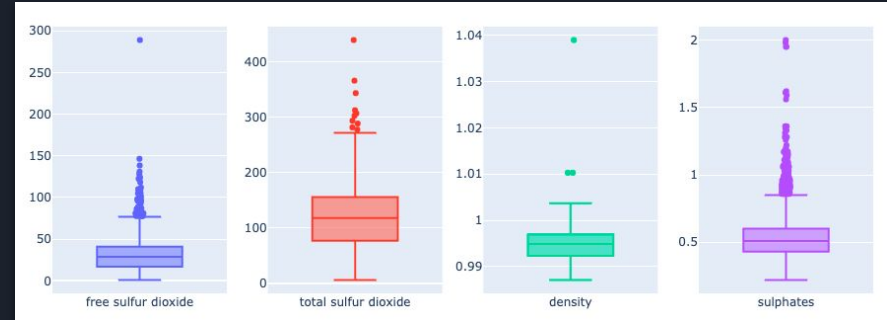
# Visualization Elements

The data exploration section of the dashboard will contain visuals pertaining to the following:

- Distribution of Quality Scores
- Identification of Outliers
- Comparison of red vs. white wine

Interactive elements will involve the ability to filter out red and/or white wine and adjust data ranges

Examples:



# The Answers



Conclusion

