

# PROJECT RESULTS

The following are the results obtained from the Python codes used in this project.

## **Results from FixedAcidity\_pH\_Alcohol.py**

*Weight of the fixed acidity parameter:*

0.1898837184314561

*Weight of the pH parameter:*

0.11162785618449181

*Weight of the Alcohol parameter:*

0.3524233861520091

*Some random wine on the internet evaluate as standard wine, Santa Rita 120. Computed quality with our model:*

5.874692400091181

*Some random wine on the internet evaluate as standard wine, Joseph Carr. Computed quality with our model:*

6.294903403313269

## **Results from VolatilAcidity\_pH\_Alcohol.py**

*Weight of the fixed volatil parameter:*

0.01801433307023121

*Weight of the pH parameter:*

0.15782676678670243

*Weight of the Alcohol parameter:*

0.4883448585033991

*Wine found on the internet that has actually won awards, Duckhorn. Computed quality with our model:*

7.832867317963371

*Wine found on the internet that has actually won awards, Antler Hill. Computed quality qith our model:*

7.999708111865959

*Wine found on the internet that has actually won awards, Cune. Computed quality qith our model:*

7.175611757442493

### **Results from error.py**

*The value of the RMSE is: 0.758946638440411*

### **Results from graphs.py**

We have considered the most important input features – fixed acidity, volatile acidity, pH and alcohol; that has significant impact on the quality of wine. Below are the graphs that gives relationship between input features and the quality.



