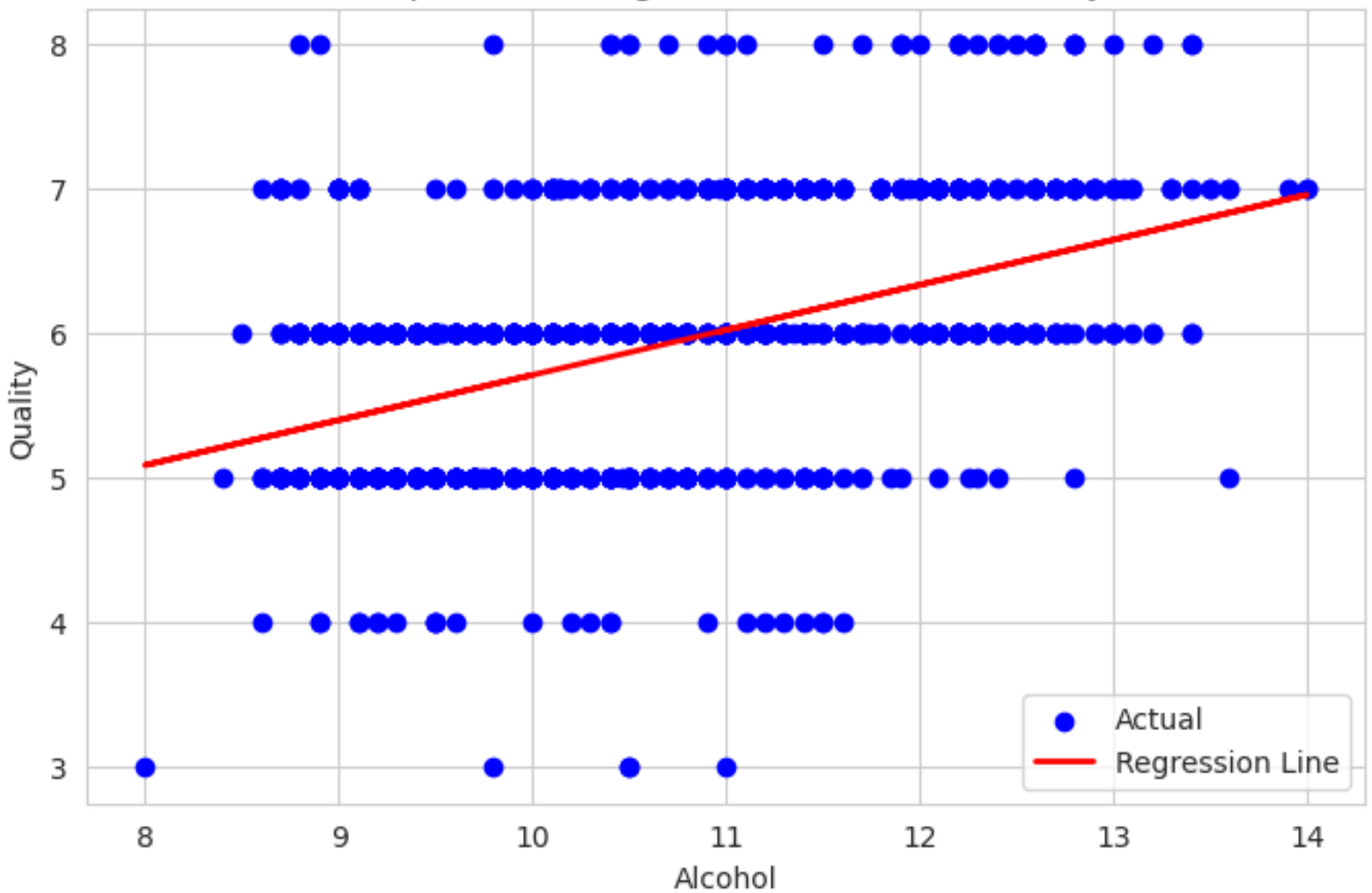
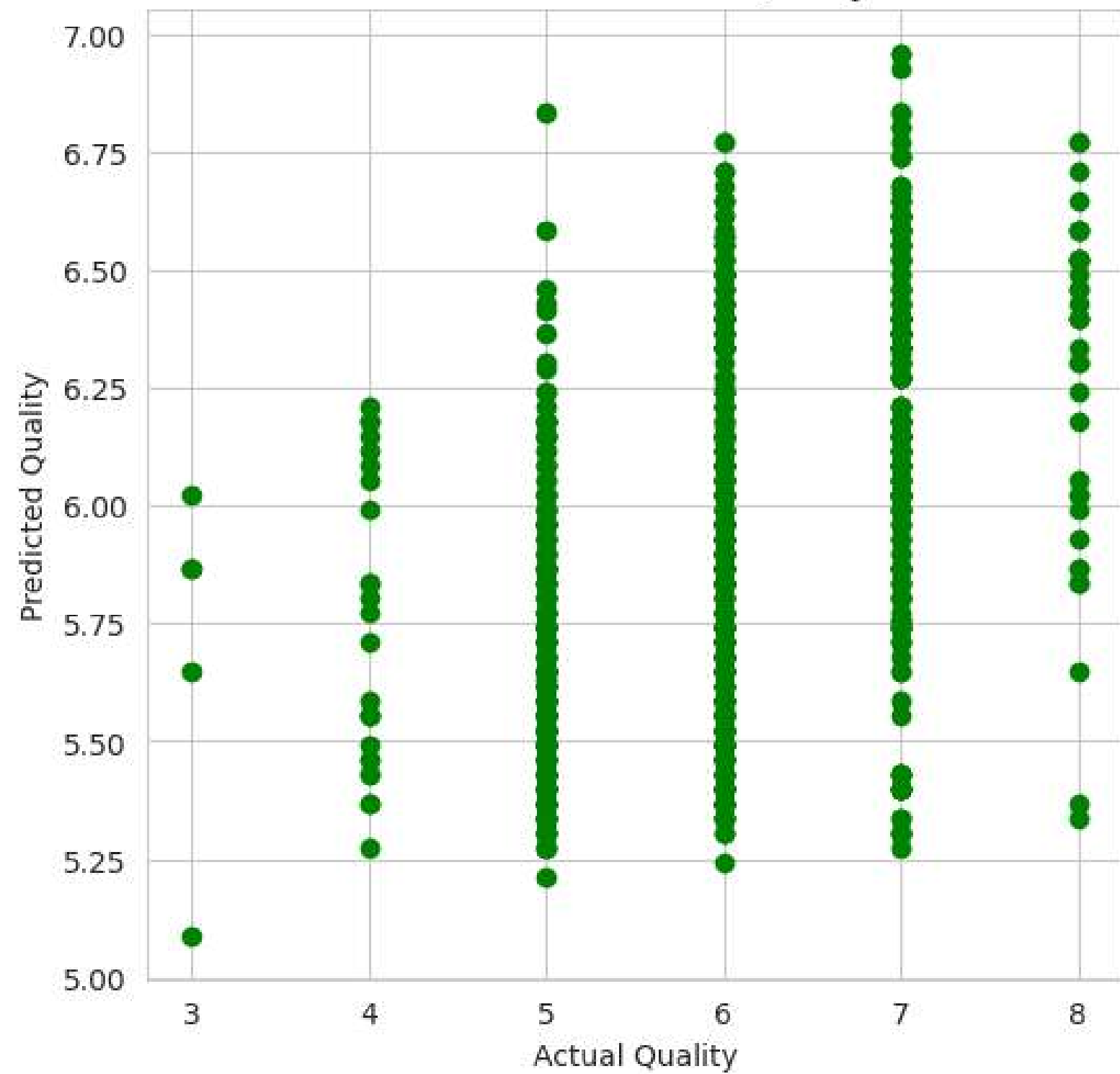


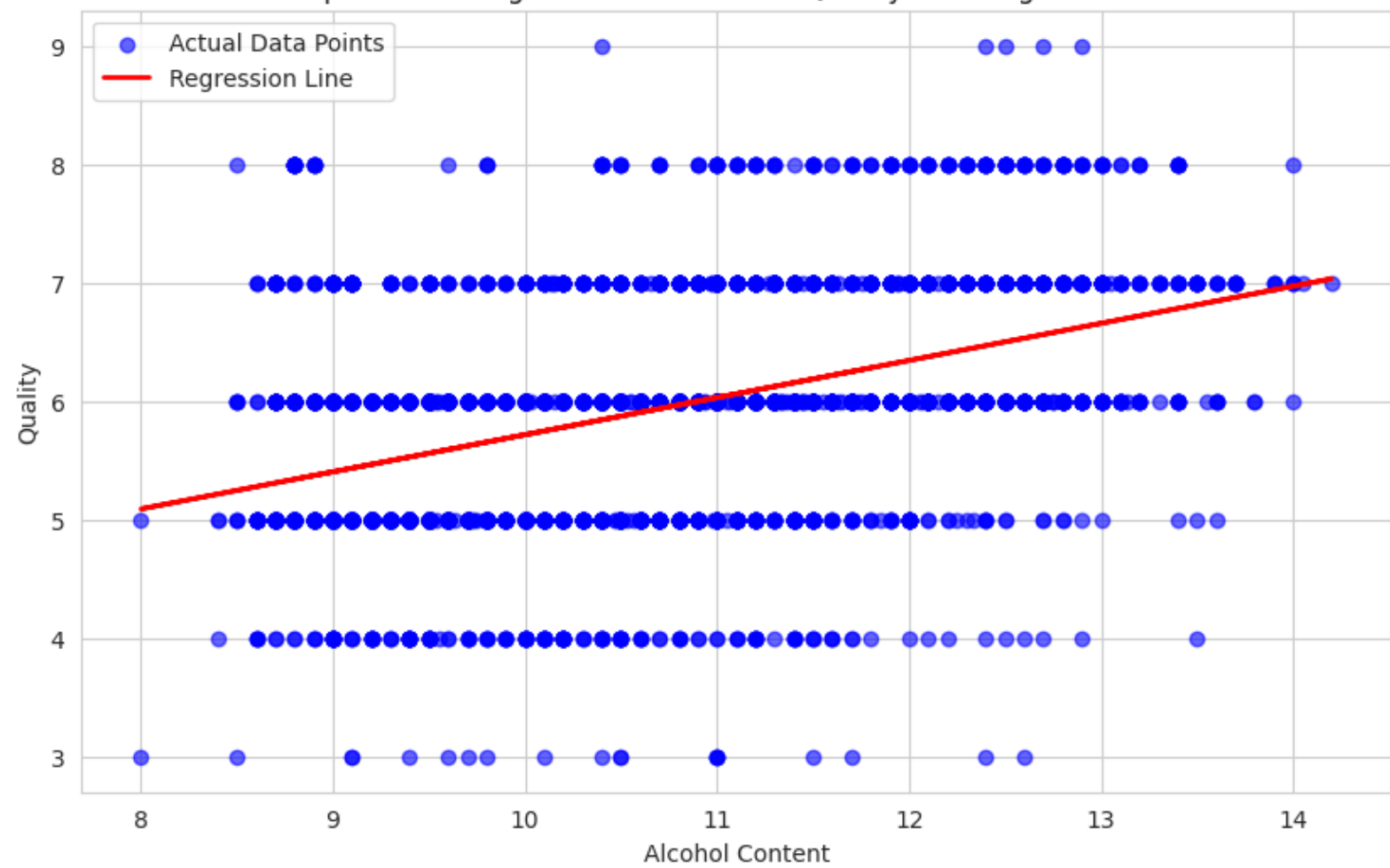
Simple Linear Regression: Alcohol vs Quality



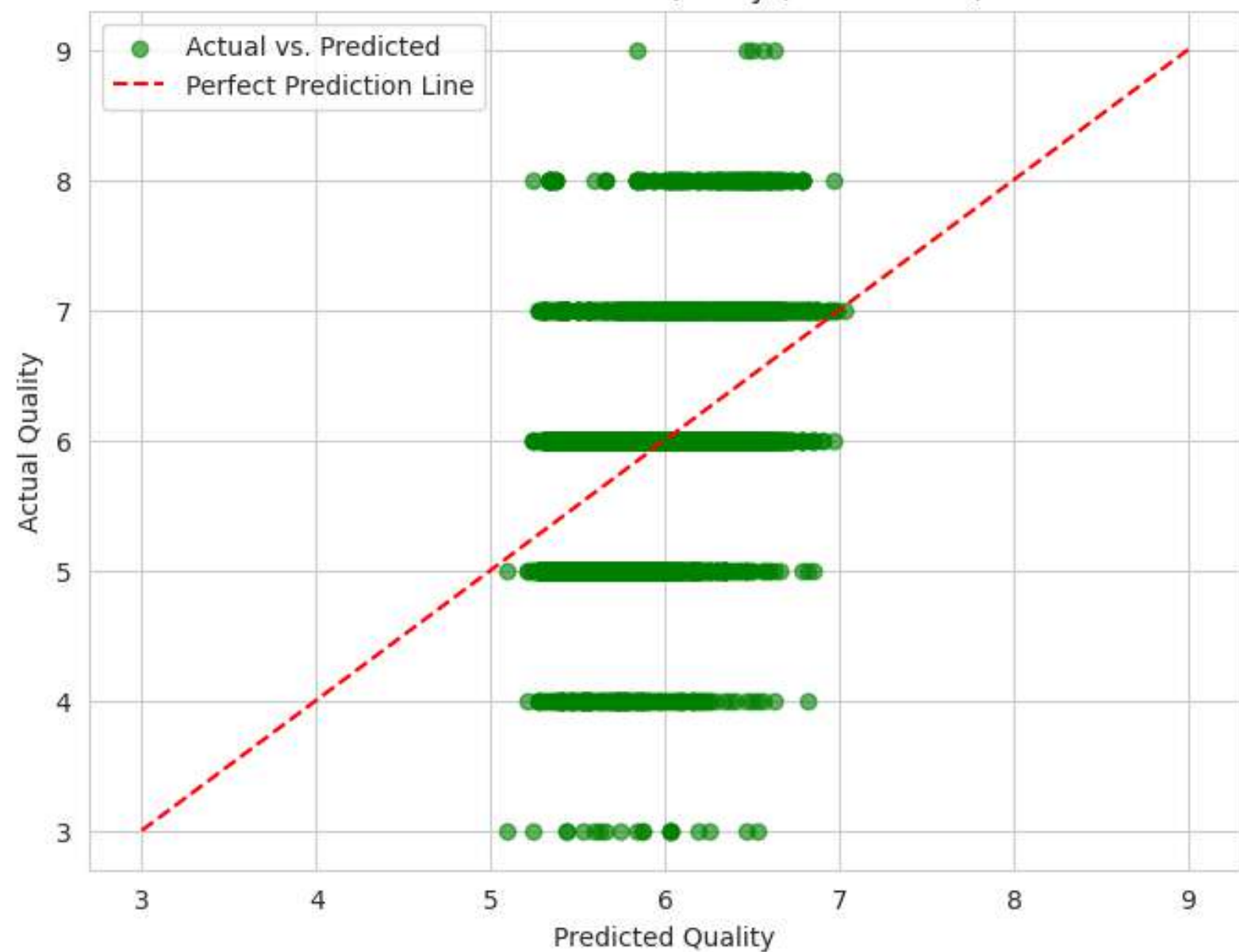
Actual vs Predicted Quality



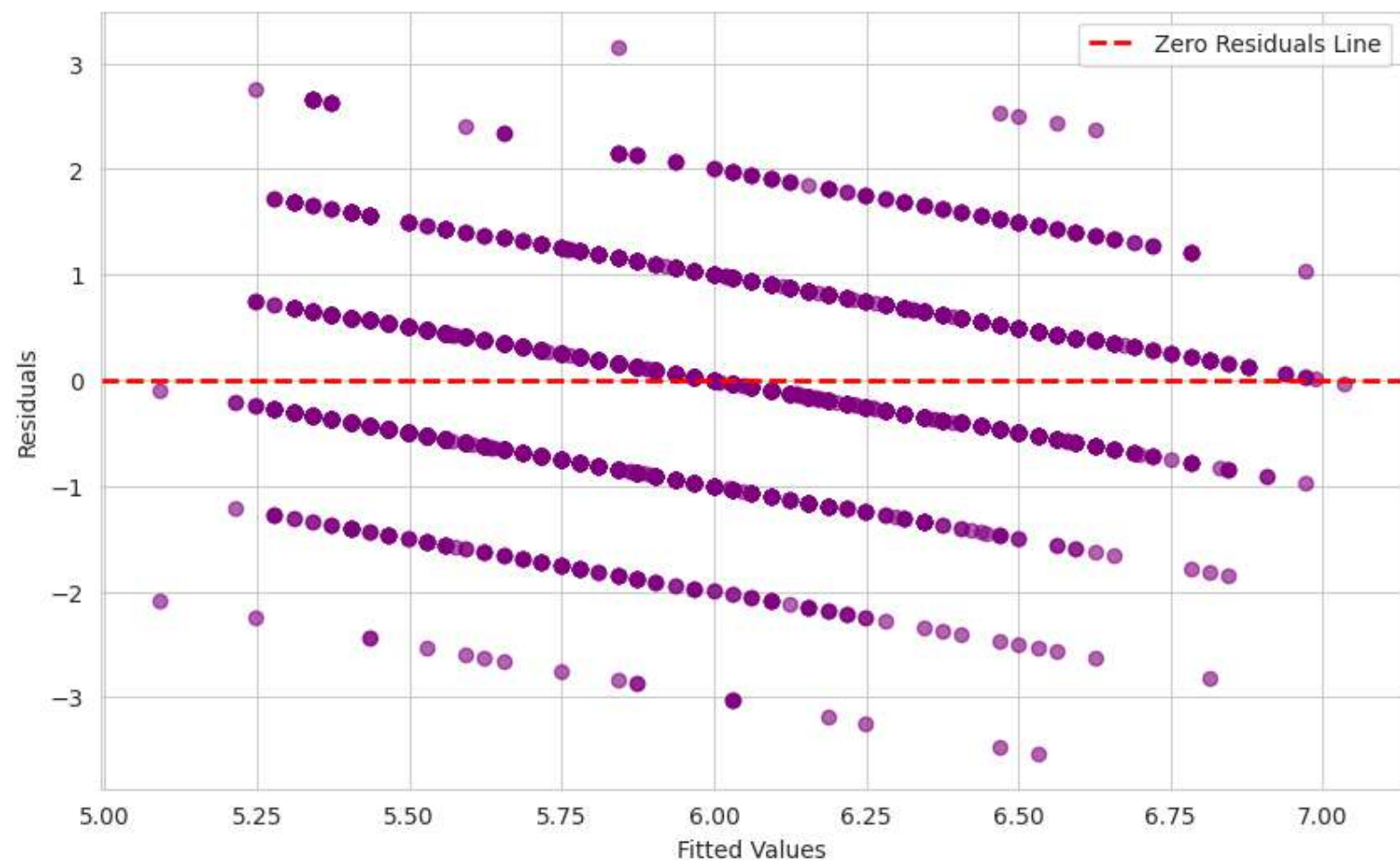
Simple Linear Regression: Alcohol vs. Quality with Regression Line



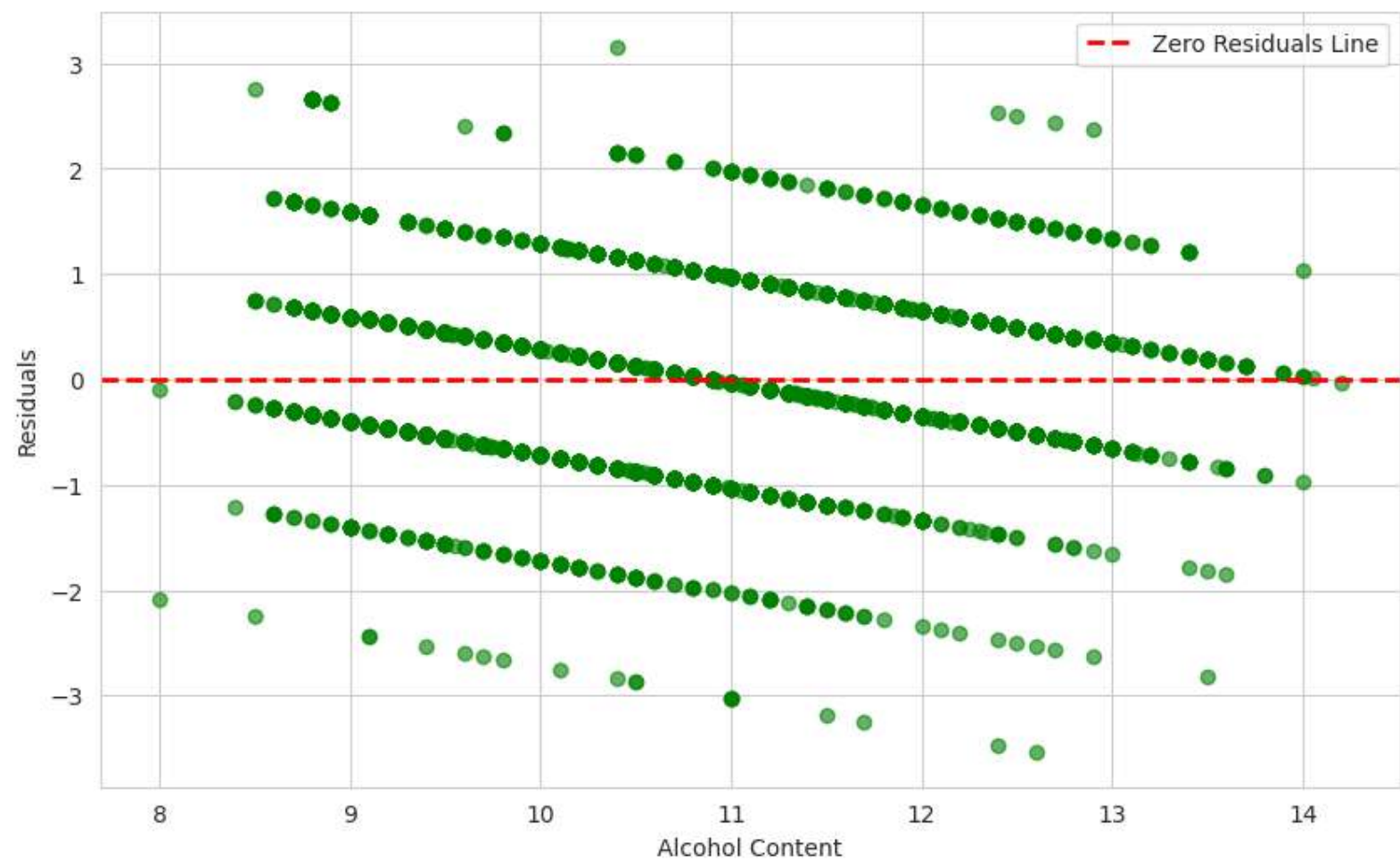
Actual vs. Predicted Quality (Full Dataset)



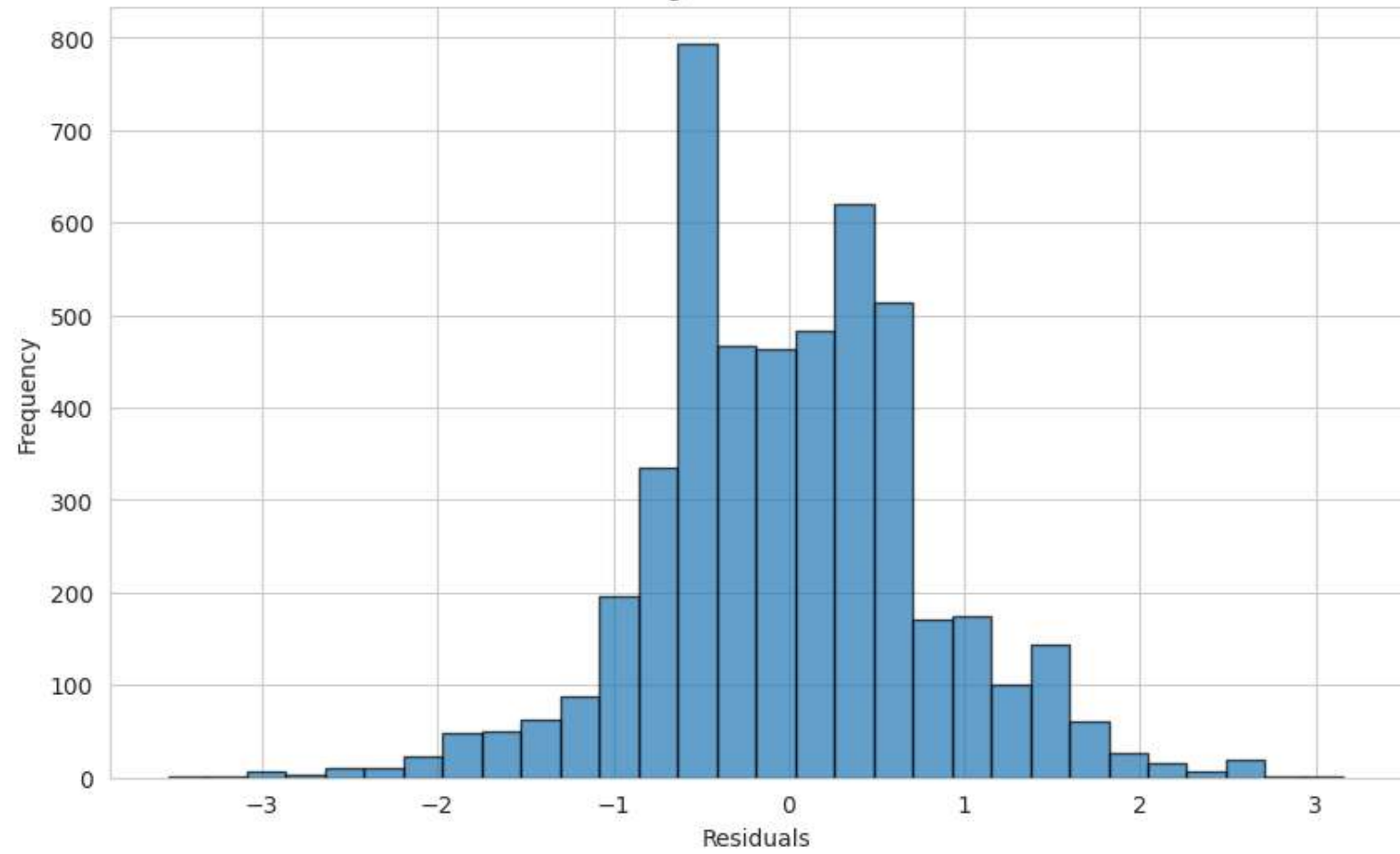
Residuals vs. Fitted Values Plot



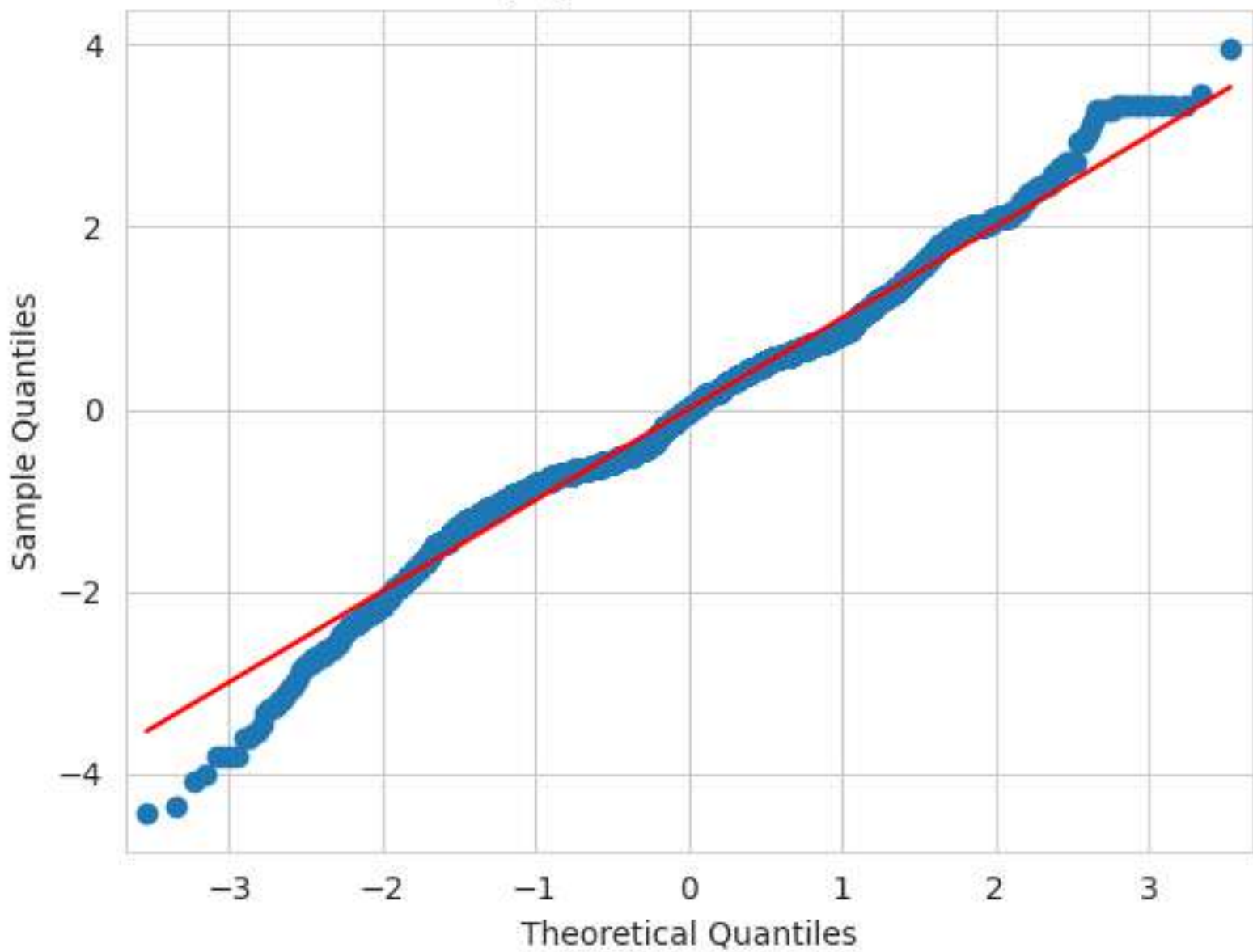
Residuals vs. Alcohol Content Plot



Histogram of Residuals

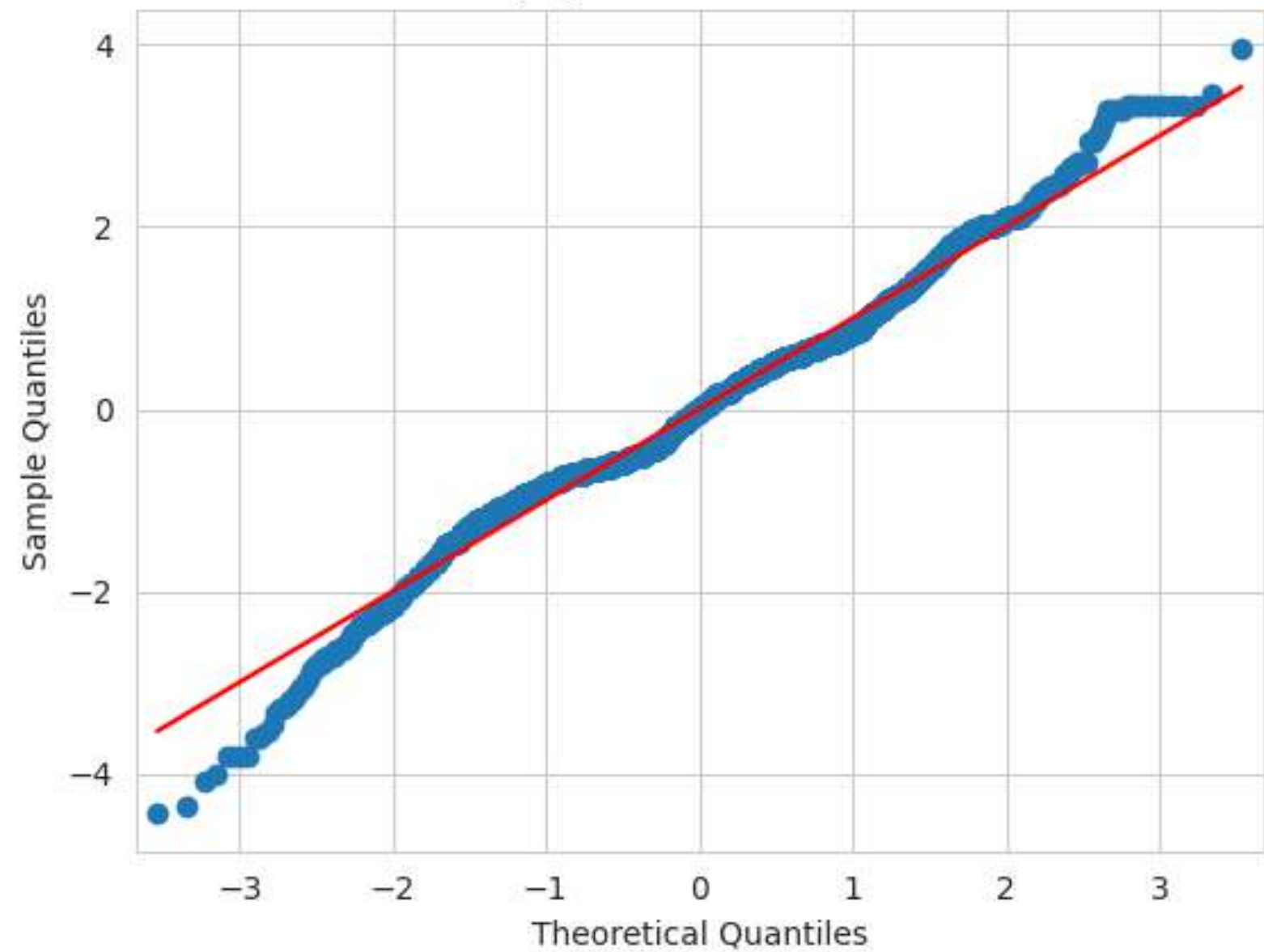


Q-Q Plot of Residuals

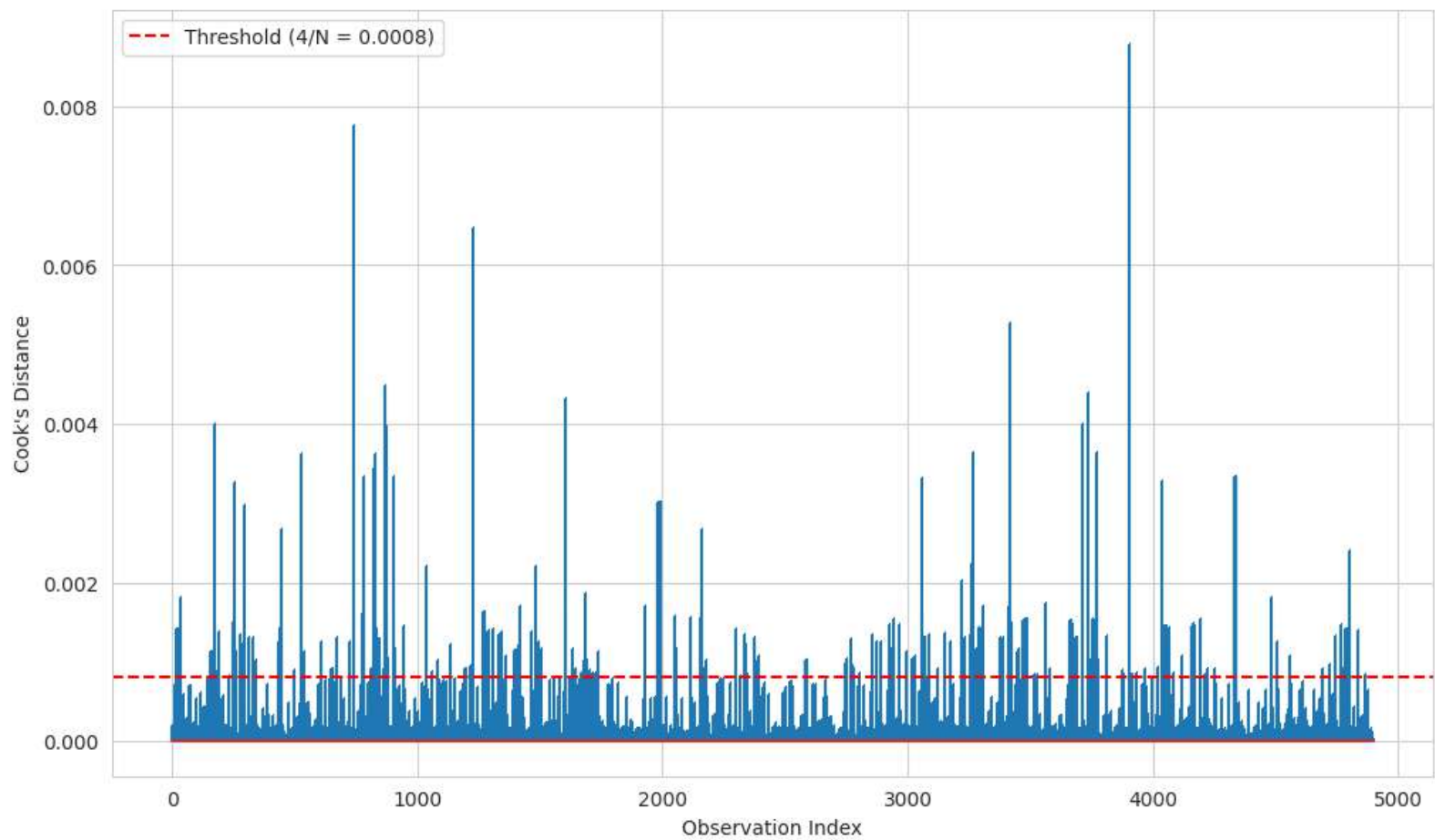




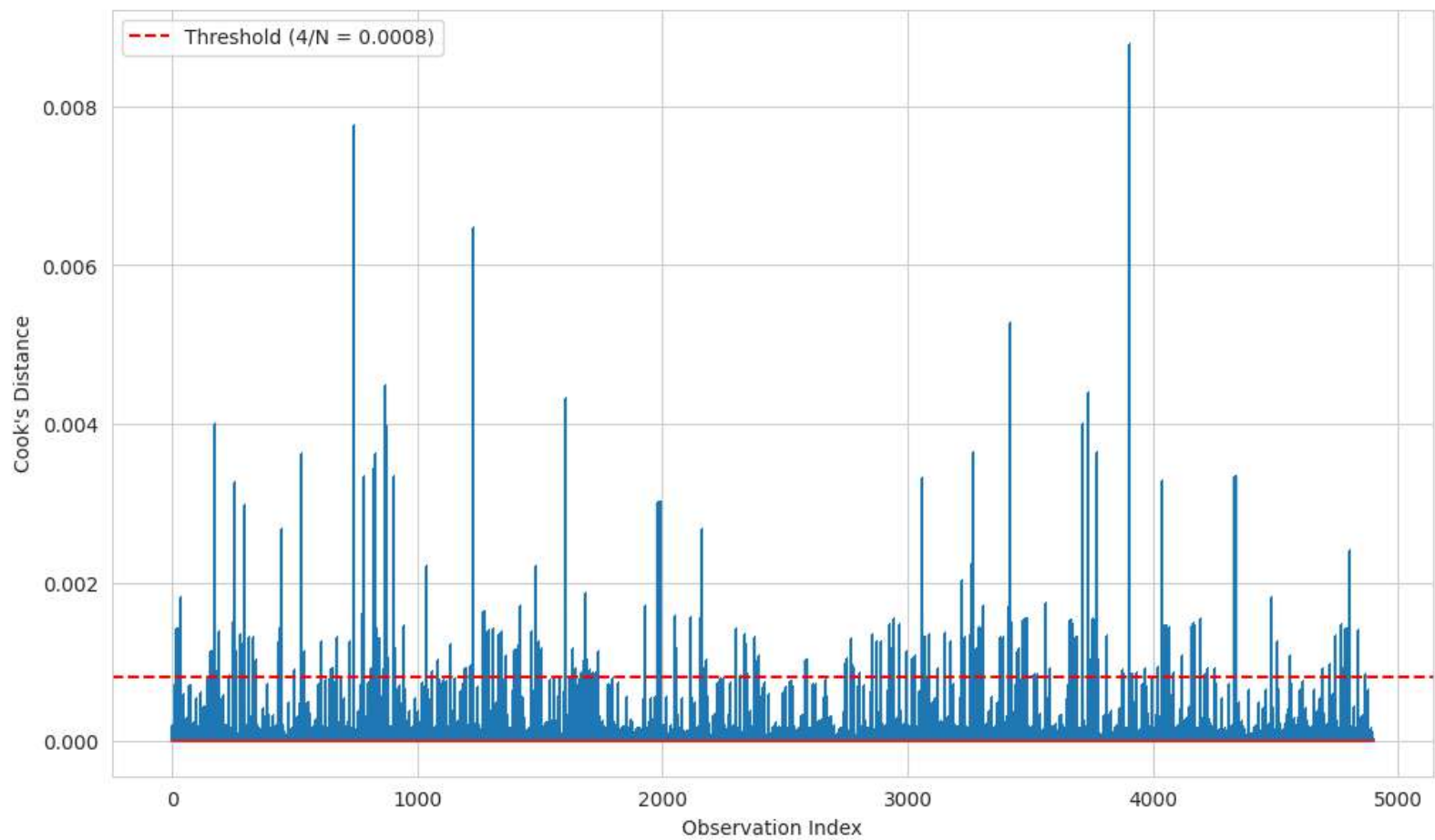
Q-Q Plot of Residuals



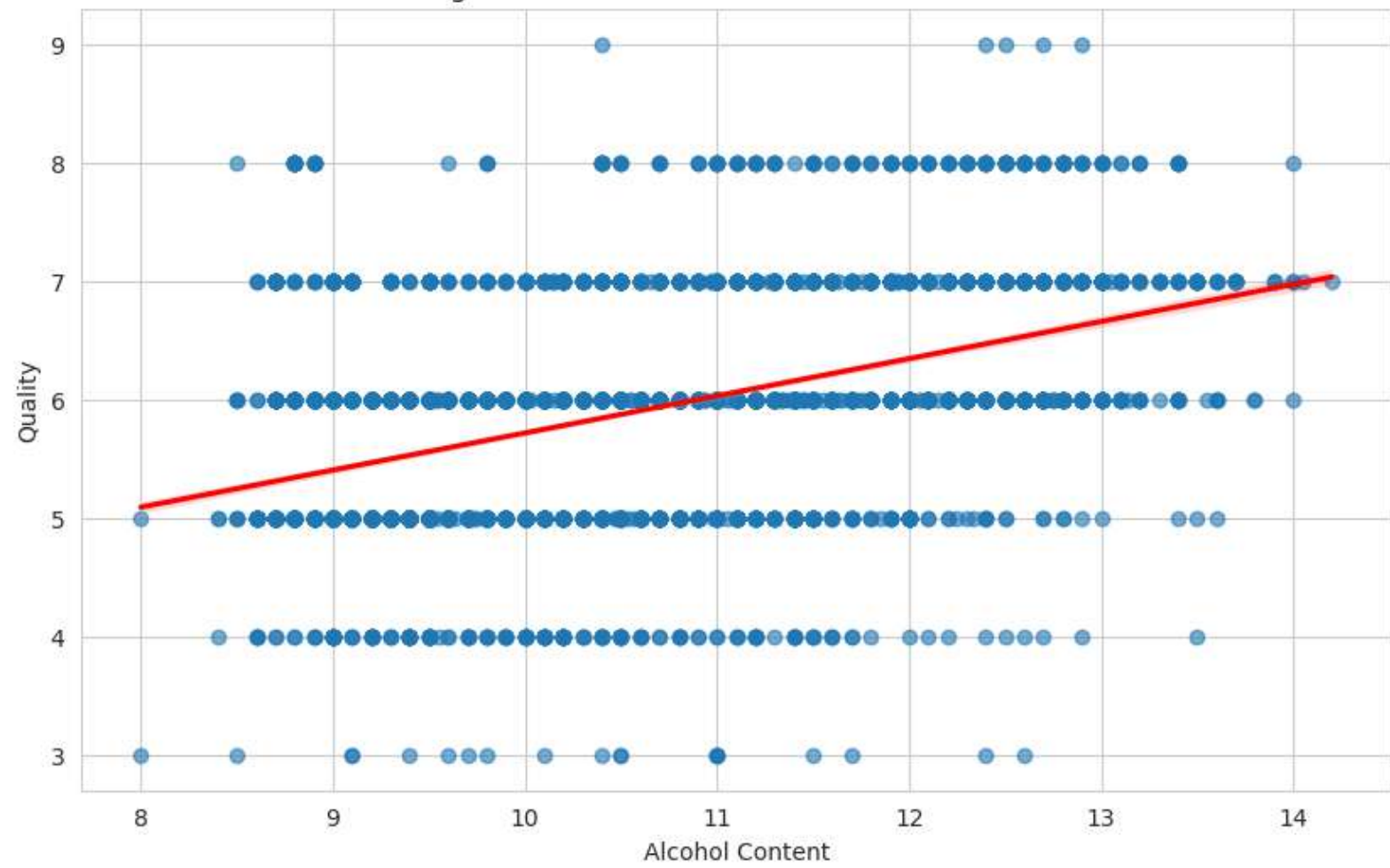
Cook's Distance Plot



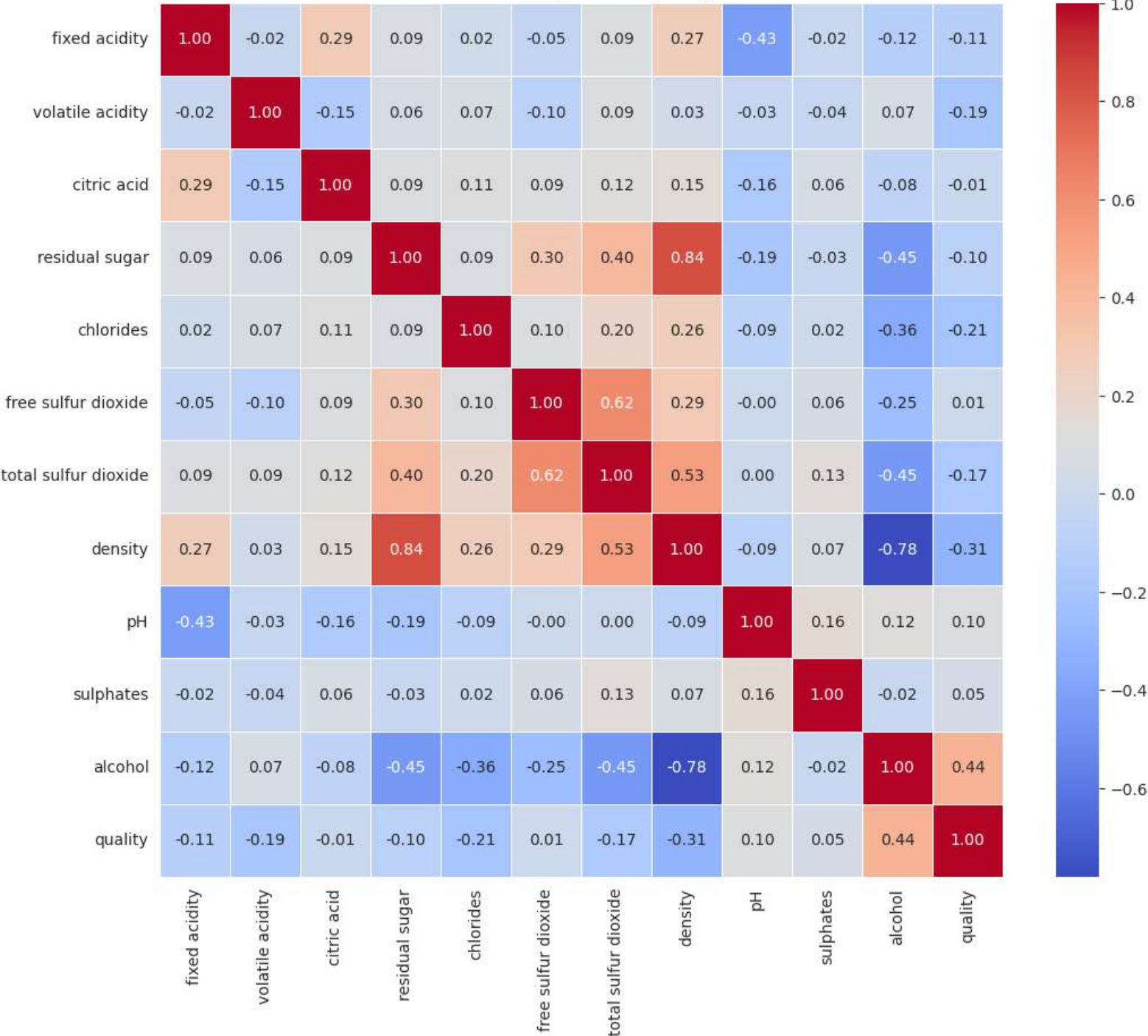
Cook's Distance Plot



Regression Line with 95% Confidence Interval

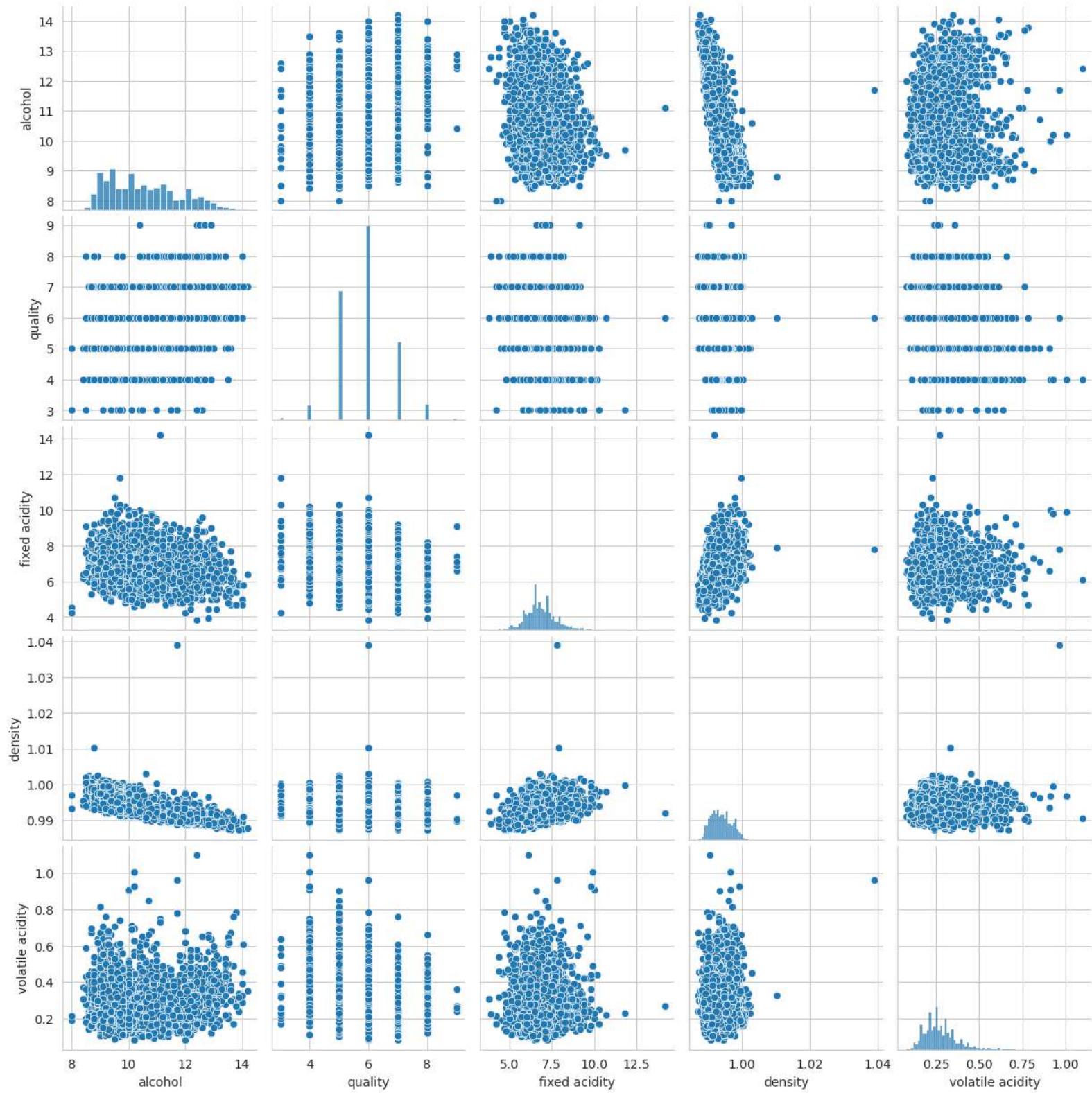


Correlation Heatmap of Wine Quality Dataset

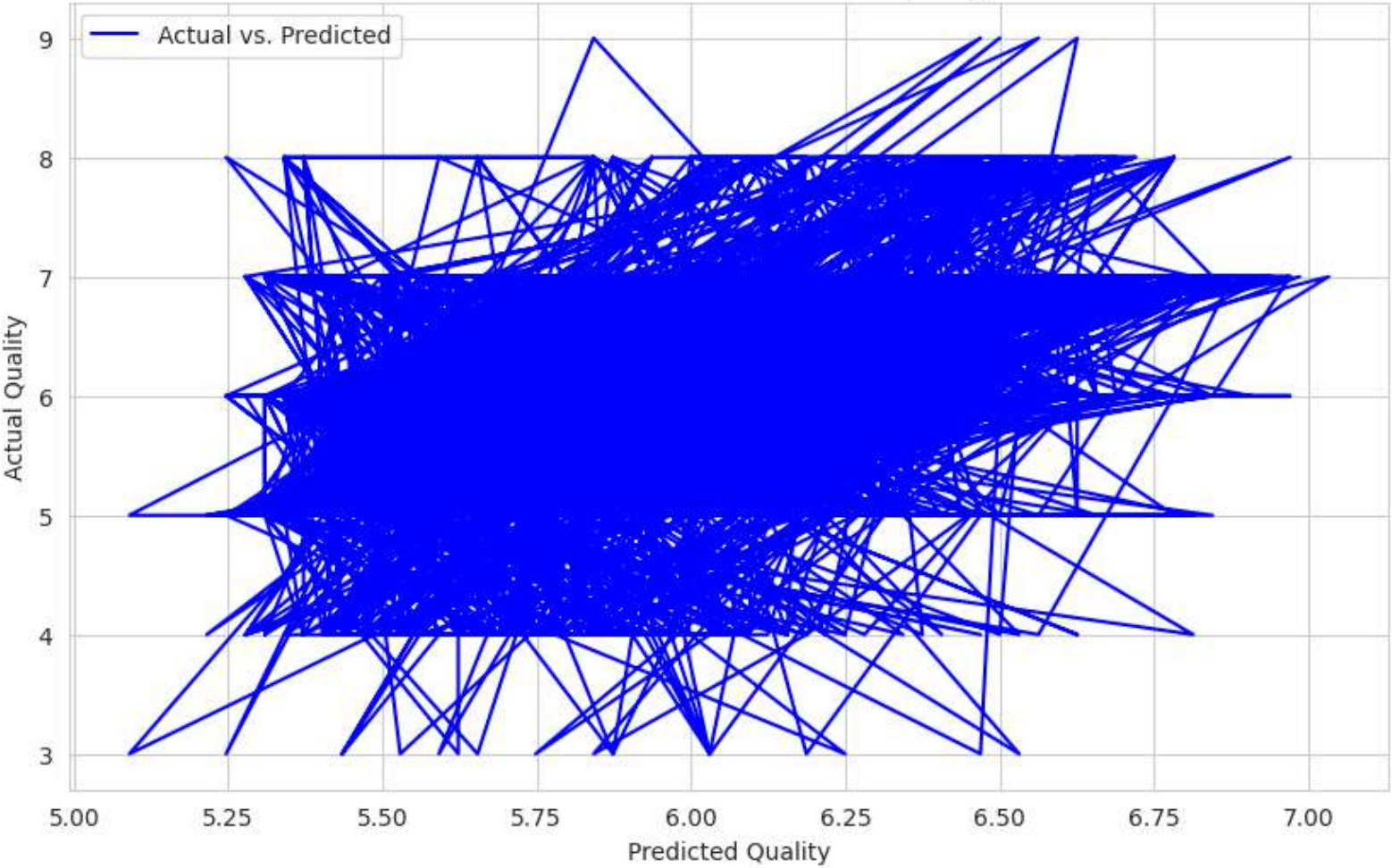




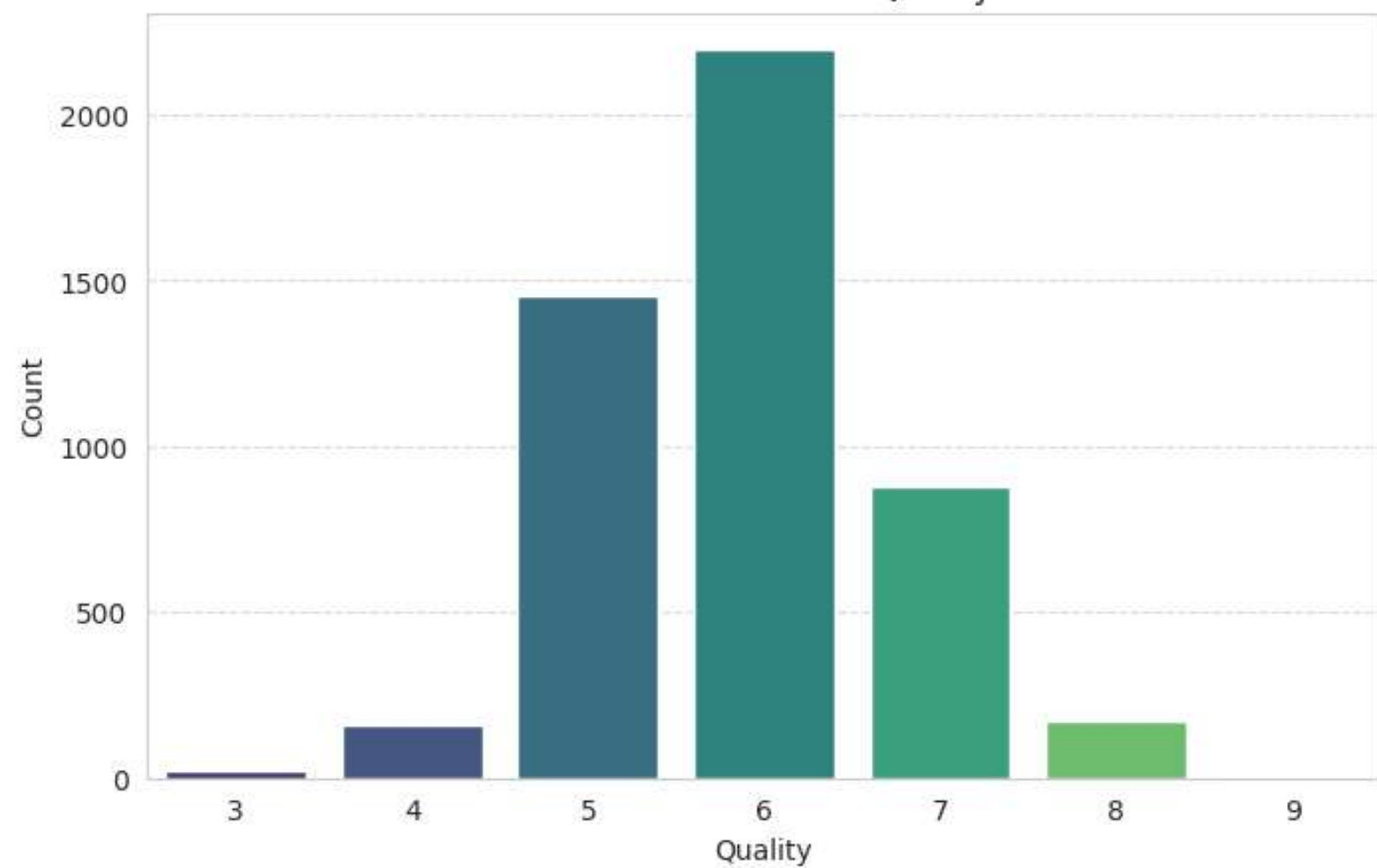
Pairplot of Selected Features with Alcohol and Quality



Line Plot: Actual vs. Predicted Quality

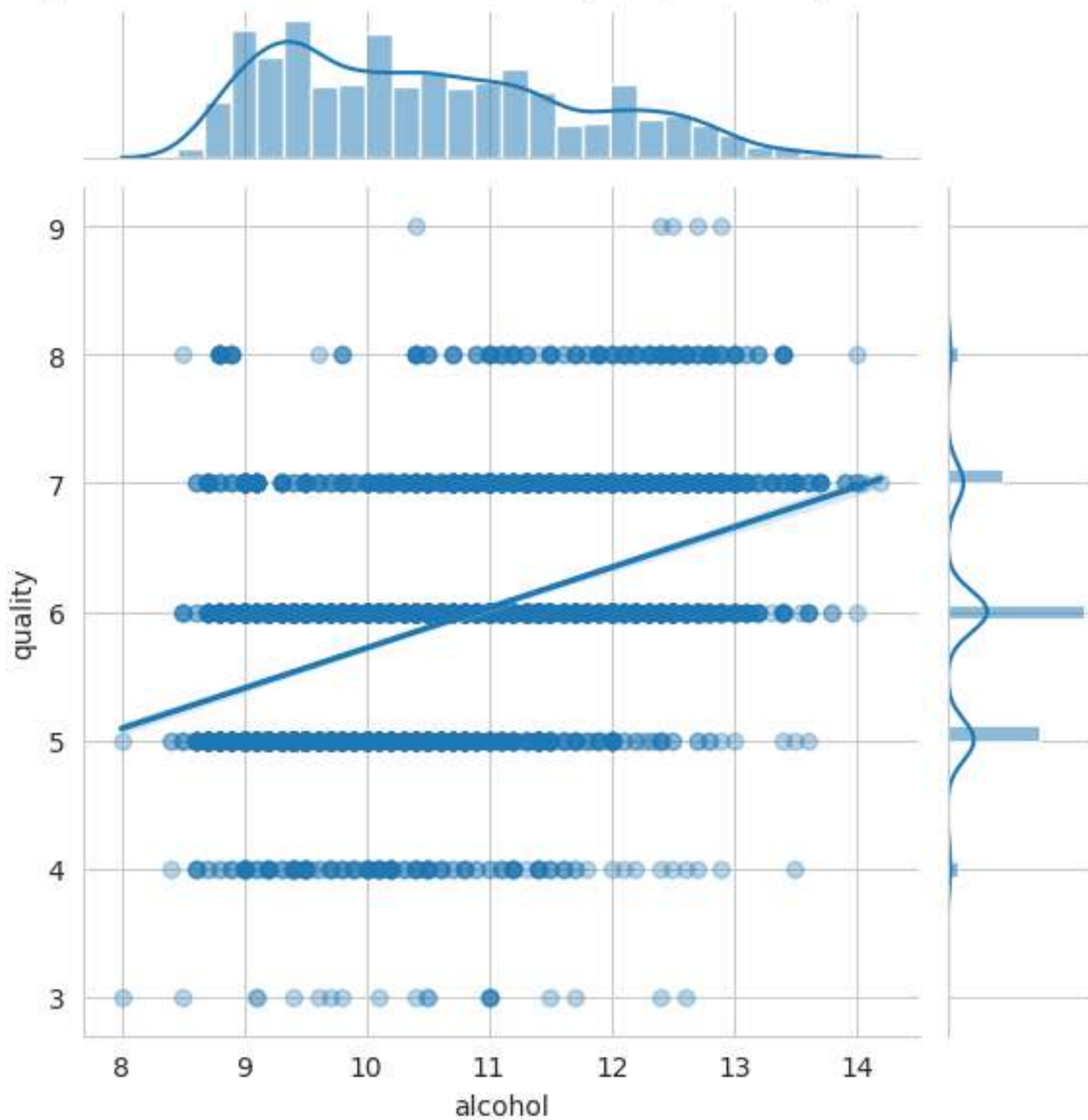


Distribution of Wine Quality





Joint Distribution of Alcohol and Quality with Regression Line



Distribution of Quality by Rounded Alcohol Content

