

Feature Importance:

Our coefficients have been listed in order of importance. The top 3 most impactful variables are race, quality of life, and marital status. For example, we can say that non-white individuals have a lower rate of heart disease. Additionally, as quality of life increases, we expect to see a lower likelihood of CVD. Finally, individuals who are married are less likely to have heart disease.

Conclusion:

Our performance metrics indicate to us that we have a decent predictive model. It's accuracy score is not bad but it also misclassified a lot of false positives. This is an issue with our model that would need to be addressed in future iterations. In conclusion, I would recommend to further hone in on the precision score of our model. We could also invest in more resources for non-white, single people as they are a greater risk than others.