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CA 05

In this project we used 3 different models that all came across with different accuracy as follows:

Model 1:   
Accuracy = .6392

Model 2: Usage of Penalties

Accuracy = .6382

Model 3: Using C Values

Accuracy: .63206

Over the 3 different models there was not much variation across Models 1 and 2 with Model 3 having a minor drop off.   
  
When we look at our ROC Curve we can see the AUC being at .68 which isn’t the best accuracy when dealing with a disease such as cardiovascular disease. When it comes to life or death situations it is best to get as high of an accuracy as possible.