

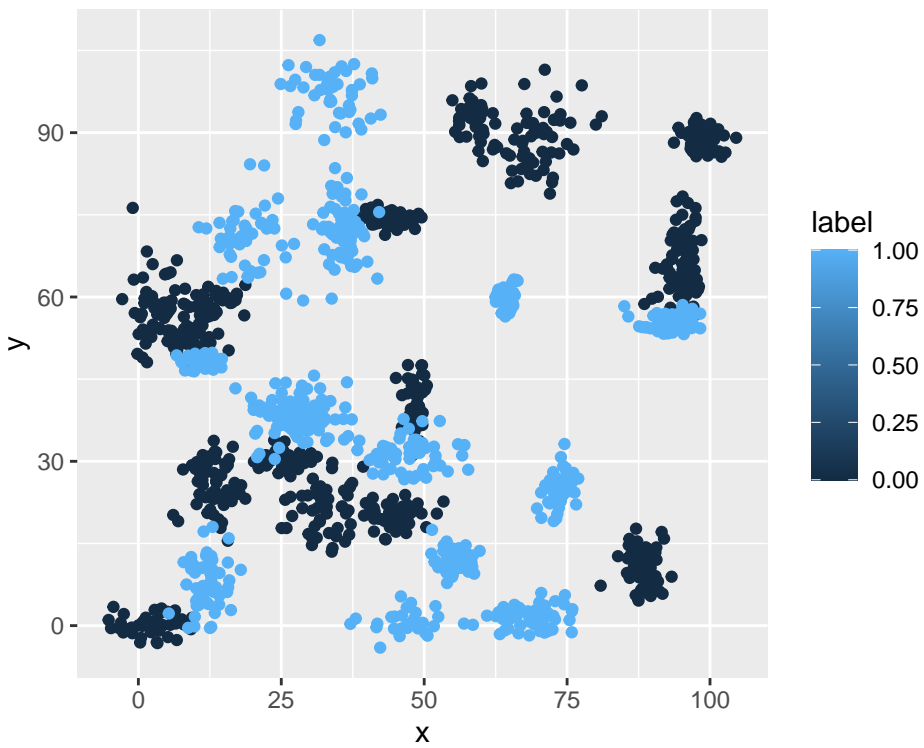
Intro To ML

Stephen Smitshoek

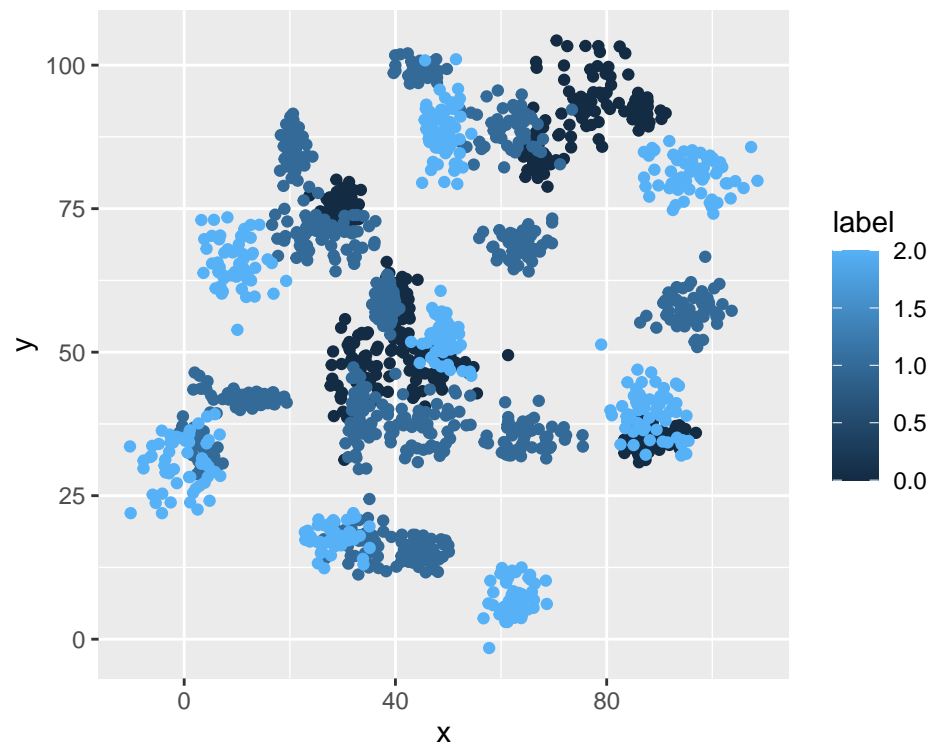
30/05/2022

Data Graphs

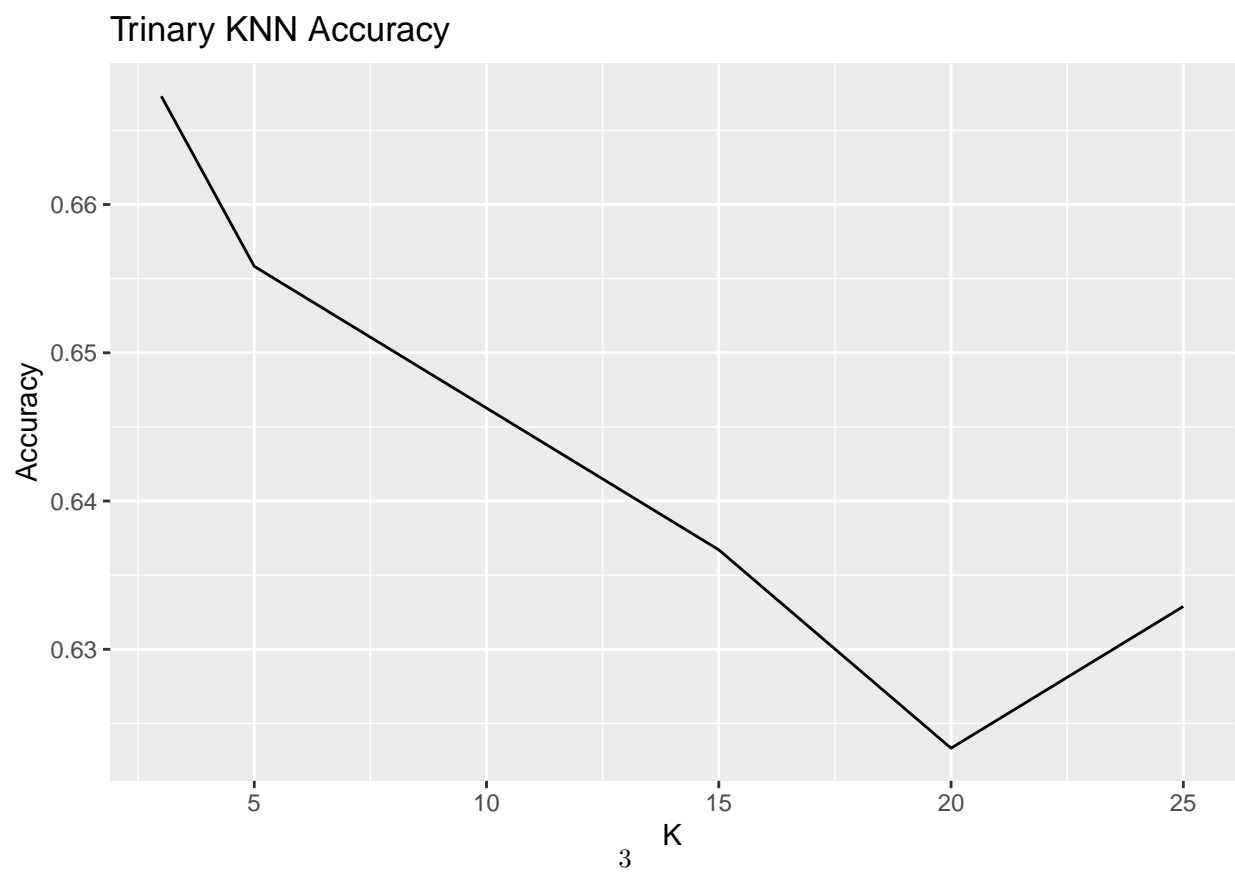
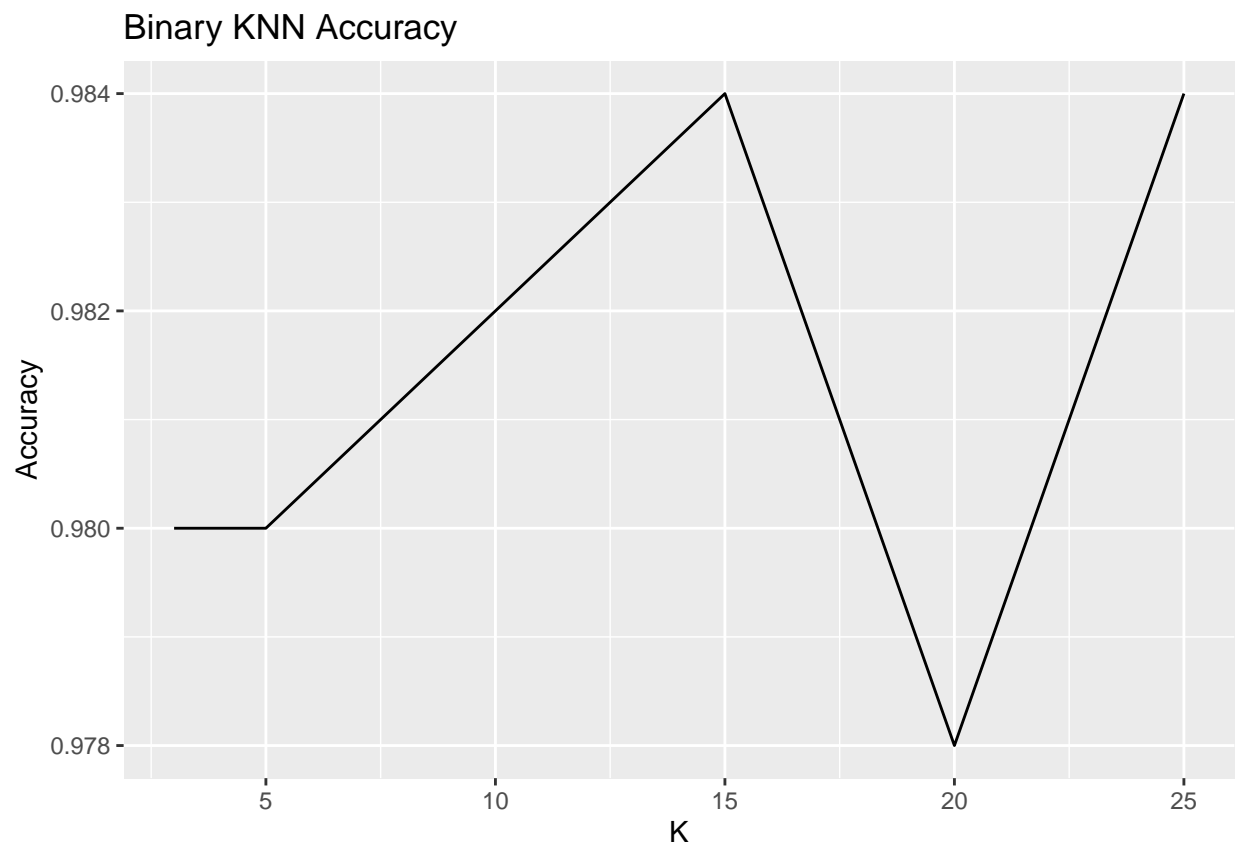
Binary Classifier



Trinary Classifier



Accuracy



Linear Model vs Machine Learning

A linear model would not be a very good choice for this data. The data does not follow any type of linear trend, instead it seems that there are very clear groups of data determined by their x and y values. The accuracy is much higher for the k nearest neighbors method because the labels are determined by the x and y attributes and not any sort of linear trend.