+ Starting with the Knearest Neighbor Methodology We chose the variables to implement this with. based on if they there of quantitative values. -wim the 11 quantitative variables used the NN method created attaining + test data sets to develop the KND model Object and predict the classification of the date. -> The outputted According for K=1 K-3 and K=5 OF the variables snows us that Numseed Investors, Num Angel or Capital Venture Investors, and Age may play an important role in the success of a Start up company. - This because of their nights accuracies than the others. ge pogregon Acops por Age The nowever faces during the test varied occasionally making its precision/repersoning www. then the other seemingly NOF the lower Accurary outputs from the 1655 important variables, given their higher accuracy's than the best mores and are marked with the red onderline. Because KNN is one of the Best simplier models, we can use its according to as a baseline for former models... our KNN models according averaged around 70% giving 05 the 9021 of 70-85% arracy in fotore models. Naiver Bayes - Next we implemented & Naive Bayes with qualifitative variables. - Begining with Business 2 Business Or Business to (begunner because of its moderate correlation, we compared the Naive Bayes predictions with actual actual dato. The Noive Bayes model incorrectly Classified 18/61 Predictions air outputting an according error Rate de 0.3 . 30%. Because NB works more better with more features, we method. By another moderate correlation variable to the > Doing so improved our error Rate 16 0.26 or 26% having misscrassified only 16/61 occurances. This time. -> Then repeating the process with a less conference variable, HighestEdu by with 3 knews is seen to improve to our Naive Bayes assumptions and error rate or 0.23 or 23% and the thinking

Lastly we compare the NB assumptions of at all categories to the Actual Status dars the error (are improve more) only mis classifying 8/61. The overall error rate is 13-22% vased on our model which lets us know that the last it has an allowed the care when the work which which is above our initial baseline good. Making this or president accurate