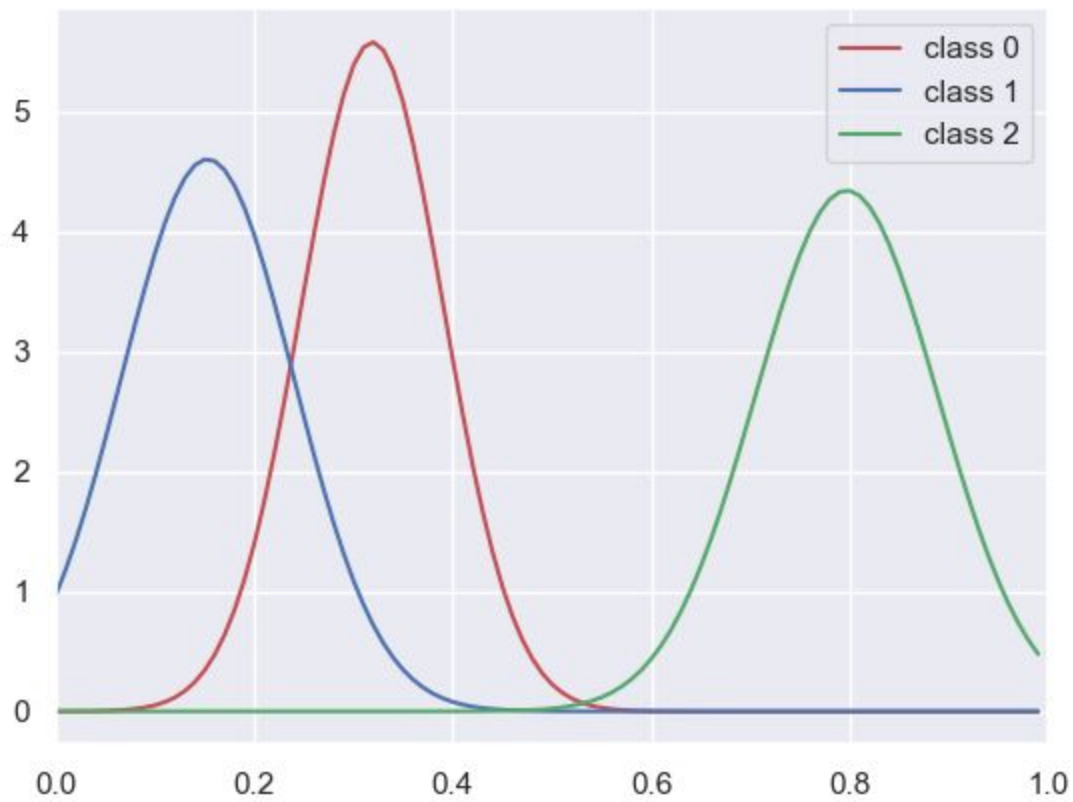Question 2

CMCS_409
Final Exam
Chady Aboulhosn

The amount of Labels I guessed correctly compared to the total number of values was 43%

	Predicted A	Predicted B	Predicted C
trueA	0	15	1
trueB	0	17	0
TrueC	13	0	5

	Class A	Class B	Class C
True Positive	0	15	1
True Negative	22	19	32
False Positive	13	15	1
False Negative	16	0	13

Sensitivity = TP / (TP + FN)
Specificity = TN / (TN + FP)
Precision = TP / (TN + FN)
ACC = (TP + TN) / (TP + TN + FP + FN)

	Class A	Class B	Class C
Sensitivity	0	1	0.071429
Specificity	0.628571	0.558824	0.969697
precision	0	0.5	0.5
ACC	0.431373	0.693878	0.702128

Average ACC   0.609126

Looking at the data closer and it is clear that while Class A which had a label of 0 was not good
I was able to guess Class B which had a label of 1 and Class C which had a label of 2
Overall it boosted my ACC enough to get an average accuracy of 60.1 %