1/24/2020 Quiz: Quiz 1

Quiz 1

Started: Jan 24 at 2:14pm

Quiz Instructions

Note: enter answers for probabilities as a fraction in [0,1]

So, a probability of 95% is 0.95.

Quiz is O.K. Skip shortcuts.

Question 1	15 pts
There are 2 classes C1 and C2. C1 has 10 examples in it and C2 has 15 e in it. The example x1 is a training example for C1 appearing 1 time. What is (note: enter answer as a fraction in [0,1])	-
Question 2	10 pts
There are 2 classes C1 and C2. C1 has 10 examples in it and C2 has 15 e in it. The example x1 is a training example for C1 appearing 1 time. Using I rule you can determine P(x1) as	-

Question 3 15 pts

There are 2 classes C1 and C2. C1 has 10 examples in it and C2 has 15 examples in it. The example x1 is a training example for C1 appearing 1 time. Using Bayes rule you can determine P(x1|C1) as

Question 4	20 pts
There are 2 classes C1 and C2. C1 has 10 examples in it and C2 has in it. The example x1 is a training example for C1 appearing 1 time. Us rule you can determine P(C1 x1) as	•

Two items we expect from training data are there are more than 1,000,000 labeled examples it is independently identically distributed as all other data in the domain it is always noise free it has some noise

Question 6	20 pts
Using Bayes rule for the 2 class problem with C1 and C2 what is the probabilities C1 for example x1, given $P(C2) = 0.3$, $P(x1 \mid C2) = 0.6$, $P(x1 \mid C1) = 0$.	-

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Question 7 10 pts

We want to know the confidence for a rule X and Z -> Y. If we know P(X, Y, Z) = 0.1 what else is needed to calculate a confidence of 0.8?

- P(X,Z) = 0.8
- \bigcirc P(X,Z) = 0.125
- P(X) = 0.8
- \bigcirc P(Y)= 0.1

No new data to save. Last checked at 2:25pm

Submit Quiz