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Power Ahead

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Quiz - 2

Type	:	Graded Quiz
Attempts	:	2/2
Questions	:	10
Time	:	15m
Scoring Policy	:	Highest Score
Due Date	:	Feb 01, 11:59 PM
Your Score	:	9/10

Instructions	⌄

Attempt History

Date	Attempt	Marks	
Jan 13, 12:05 AM	2	9	Hide answers

Question No: 1   (Correct Answer)

Marks: 1/1

The various types of errors that impact any model include

○ Variance errors

○ Bias errors

○ Systematic errors

● a and b   You Selected

Question No: 2   Correct Answer

Marks: 1/1

Bias errors are caused by

○ Choice of the independent attributes

○ Sampling size

○ Increasing Complexity of the model

● a and b   You Selected

Question No: 3   Correct Answer

Variance errors increase

O When number of independent attributes increase

O When models become over complex

O Data is sparse in the given feature space

⦿ All of the above   You Selected

Question No: 4   Correct Answer

Marks: 1/1

Confusion matrix is used to

O Understand how attributes are related to each other

O It is a visual representation of the actual distribution of predicted values of target labels in context of the actual values of the target labels

O Evaluate performance of classification algorithms within each class

⦿ b & c   You Selected

Question No: 5   Correct Answer

Which of the following is true about precision and recall

○ Precision and recall are class level metrics in classification problems.

○ Ratio of data points of a particular class were predicted to be of that class is called recall (TP / TP + FN)

○ Ratio of data points correctly predicted to belong to a class in the total points predicted to belong to that class (TP / TP + FP)

◉ All of the above   You Selected

Question No: 6   Incorrect Answer

Marks: 0/1

Dummy variables are used when:

○ qualitative variables are involved in the model   Correct Option

◉ quantitative variables are involved in the model   You Selected

○ making transformations of quantitative variables

○ none of the above

Question No: 7   Correct Answer

The Beta Estimate of the Logistic Regression Model is given below:

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Std. Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	0.0000	0.00	14.2524	0.0002
DR_TO_CR_RATIO		1	0.2500	0.1123	11.45	<.0001
NO_OF_CR_TXN_LAST_Q		1	0.1400	0.0678	20.1487	<.0001
GENDER	M	1	-0.3100	0.042	27.22	<.0001
IS_CREDIT_AWARE	1	1	0.1000	0.0121	32.33	<.0001
AGE	< 30 Yrs	1	-0.8600	0.03	22.3	<.0001
AGE	30 - 40 Yrs	1	-0.2600	0.06	15.1	<.0001

What will be the Response Probability for a customer of the following profile?

Cust_ID	Dr_to_Cr_Ratio	No_Of_Cr_Txn_Last_Q	No_Of_Cr_Txn	Gender	Is_Credit_Aware	Age	Acc_Type	Mthly_Inc
C1	3	5	7	M	1	25	CA	50,000

- ⦿ 0.59   You Selected
- ○ 0.47
- ○ 0.34
- ○ 0.73

Question No: 8   Correct Answer

Marks: 1/1

Naïve Bayes uses

- ○ Joint probabity
- ⦿ Conditional probabity   You Selected
- ○ Marginal probability

○ Classical probability

Question No: 9   (Correct Answer)

Marks: 1/1

Why is naïve bayes naïve? pick out the incorrect statement

○ It uses conditional probability to make classifications

○ The algorithm simply assumes that all features of a class are independent

◉ Results are not often quite good for certain problems   (You Selected)

○ The upside is that the math is simpler, the classifier runs quicker

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Question No: 10   (Correct Answer)

Marks: 1/1

Bayes theorem finds the probability of an event occurring given the probability of another event that has already occurred

◉ True   (You Selected)

○ false