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QUESTION 1

Logistic regression is a model used for prediction of the probability of occurrence of an event. It makes use of several variables that may be......

A. Numerical

B. Categorical

C. Both 1 and 2 are correct

D. None of the 1 and 2 are correct

Correct Answer: C

Explanation: Logistic regression is a model used for prediction of the probability of occurrence of an event. It makes use of several predictor variables that may be either numerical or categories.

QUESTION 2

You are working in an ecommerce organization, where you are designing and evaluating a recommender system, you need to select which of the following metric wilt always have the largest value?

A. Root Mean Square Error

B. Sum of Errors

C. Mean Absolute Error

D. Both land 2

E. Information is not good enough.

Correct Answer: E

QUESTION 3

In which of the scenario you can use the linear regression model?

A. Predicting Home Price based on the location and house area

B. Predicting demand of the goods and services based on the weather

C. Predicting tumor size reduction based on input as number of radiation treatment

D. Predicting sales of the text book based on the number of students in state

Correct Answer: ABCD

Explanation: : You can use the linear regression model for predicting the continuous output variable based on the input variables. In all the cases mentioned in the question option, you can see that output can be predicted based on the input

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variable. Option-A: Input: Location, House Area and Output: House Price Option-B : Input: Weather condition, Output: Demand for the goods and services Option-C : Input: Number of Radiation Session Output: Tumor Size Reduction Option-D : Input: Number of students and Output: Sale quantity of text book

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QUESTION 4

In unsupervised learning which statements correctly applies?

A. It does not have a target variable

B. Instead of telling the machine Predict Y for our data X, we\\'re asking What can you tell me about X?

C. telling the machine Predict Y for our data X

Correct Answer: AB

Explanation: In unsupervised learning we don\\'t have a target variable as we did in classification and regression.

Instead of telling the machine Predict Y for our data X, we\\'re asking What can you tell me about X?

Things we ask the machine to tell us about

X may be What are the six best groups we can make out of X? or What three features occur together most frequently in X?

QUESTION 5

A website is opened 3 times by a user. What is the probability of he clicks 2 times the advertisement, is best calculated by"

A. Binomial

B. Poisson

C. Normal

D. Any of the above

Correct Answer: A

Explanation: In a binomial distribution, only 2 parameters, namely n and p, are needed to determine the probability. Where p is the probability of success and q is the probability of failure in a binomial trial, then the expected number of successes in n trials. This is a binomial distribution because there are only 2 possible outcomes (we get a 5 or we don\\'t).

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