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Exam : **Databricks Certified
Professional Data
Scientist**

Title : Databricks Certified
Professional Data Scientist
Exam

Version : DEMO

1.You are creating a regression model with the input income, education and current debt of a customer, what could be the possible output from this model.

- A. Customer fit as a good
- B. Customer fit as acceptable or average category
- C. expressed as a percent, that the customer will default on a loan
- D. 1 and 3 are correct
- E. 2 and 3 are correct

Answer: C

Explanation:

Regression is the process of using several inputs to produce one or more outputs. For example The input might be the income, education and current debt of a customer The output might be the probability, expressed as a percent that the customer will default on a loan. Contrast this to classification where the output is not a number, but a class.

2.What type of output generated in case of linear regression?

- A. Continuous variable
- B. Discrete Variable
- C. Any of the Continuous and Discrete variable
- D. Values between 0 and 1

Answer: A

Explanation:

Linear regression model generate continuous output variable.

3.If E1 and E2 are two events, how do you represent the conditional probability given that E2 occurs given that E1 has occurred?

- A. $P(E1)/P(E2)$
- B. $P(E1+E2)/P(E1)$
- C. $P(E2)/P(E1)$
- D. $P(E2)/(P(E1+E2))$

Answer: C

4.In which of the scenario you can use the regression to predict the values

- A. Samsung can use it for mobile sales forecast
- B. Mobile companies can use it to forecast manufacturing defects
- C. Probability of the celebrity divorce
- D. Only 1 and 2
- E. All 1 ,2 and 3

Answer: E

Explanation:

Regression is a tool which Companies may use this for things such as sales forecasts or forecasting manufacturing defects. Another creative example is predicting the probability of celebrity divorce.

5.You are working as a data science consultant for a gaming company. You have three member team and all other stake holders are from the company itself like project managers and project sponsored, data team

etc.

During the discussion project managed asked you that when can you tell me that the model you are using is robust enough, after which step you can consider answer for this question?

- A. Data Preparation
- B. Discovery
- C. Operationalize
- D. Model planning
- E. Model building

Answer: E

Explanation:

To answer whether the model you are building is robust enough or not you need to have answer below questions at least

- Model is performing as expected with the test data or not?
- Whatever hypothesis defined in the initial phase is being tested or not?
- Do we need more data?
- Domain experts are convinced or not with the model?

And all these can be answered when you have built the model and tested with the test data sets. Hence, correct option will be Model Building.