1Z0-1096-22^{Q&As}

Oracle Machine Learning using Autonomous Database 2022 Specialist

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QUESTION 1

Which two statements are true about supervised machine learning?

A. There is no previously known result to guide the algorithm in building the model.

B. It does not specify a target, it can be applied to a population of interest.

C. It is used to extract meaningful insights from raw data to improve data operational efficiency.

D. It generally results in predictive models.

E. The learning process is directed by a previously known dependent attribute or target.

Correct Answer: DE

Explanation: Supervised learning is also known as directed learning. The learning process is directed by a previously known dependent attribute or target. Directed data mining attempts to explain the behavior of the target as a function of a set of independent attributes or predictors. Supervised learning generally results in predictive models. This is in contrast to unsupervised learning where the goal is pattern detection. The building of a supervised model involves training, a process whereby the software analyzes many cases where the target value is already known. In the training process, the model "learns" the logic for making the prediction. For example, a model that seeks to identify the customers who are likely to respond to a promotion must be trained by analyzing the characteristics of many customers who are known to have responded or not responded to a promotion in the past.
https://docs.oracle.com/cd/E18283_01/datamine.112/e16808.pdf

QUESTION 2

Which notebook technology is used for Oracle Machine Learning in Oracle Autonomous Database?

A. Polynote

B. Zeppelin Notebook

C. Google Colab

D. Jupyter Notebook

Correct Answer: B

QUESTION 3

A supermarket needs to segment its customers based on their purchasing pattern. Which machine learning technique should you use to achieve this?

A. Clustering

B. Regression

C. Association Rules

D. Anomaly Detection

Correct Answer: D

QUESTION 4

You are tasked with building a predictive model that can estimate the price of houses, based on attributes like number of rooms, square-footage (size), location, neighborhood attributes, year built among others. Which three algorithms can you use to produce such a model with Oracle Machine Learning?

A. Generalized Linear Model (Regression)

B. Support Vector Machine (Regression)

C. Explicit Semantic Analysis

D. One-Class Support Vector Machine

E. Generalized Linear Model (Classification)

F. Neural Networks (Regression)

Correct Answer: ACD

QUESTION 5

Examine the command:

%sql

SELECT CUST_MARITAL_STATUS, MEDIAN