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Exam : C1000-177

**Title : Foundations of Data
Science using IBM watsonx**

Version : DEMO

1.Which two scenarios require supervised learning? There are 2 correct answers to this question.

- A. Fraud detection with labeled fraud cases
- B. Customer segmentation without labels
- C. Price prediction
- D. Market basket association

Answer: AC

2.A model has very high bias and low variance.

What condition is most likely present? Please choose the correct answer.

- A. Overfitting
- B. Underfitting
- C. Data leakage
- D. Multicollinearity

Answer: B

3.Which of the following are key considerations when selecting data for a business problem? (Choose two)

- A. The quality and completeness of the data
- B. Whether the data is freely available
- C. The relevance of the data to the business objective
- D. Whether the dataset contains as many features as possible

Answer: AC

4.Which preprocessing step is critical before training a neural network? Please choose the correct answer.

- A. Feature scaling
- B. Pie chart visualization
- C. Confusion matrix creation
- D. Business reporting

Answer: A

5.A healthcare organization wants to estimate patient hospital stay duration in days.

Which modeling approach is most appropriate? Please choose the correct answer.

- A. Logistic regression
- B. Linear regression
- C. K-means clustering
- D. Decision tree classifier

Answer: B