

Microsoft

Exam Questions AI-900

Microsoft Azure AI Fundamentals (beta)



- (Exam Topic 1)

Which business benefit should the company expect as a result of creating the webchat bot solution?

- Answer: B**

- (Exam Topic 1)

- A. Use features for training and labels for evaluation.
- B. Randomly split the data into rows for training and rows for evaluation.
- C. Use labels for training and features for evaluation.
- D. Randomly split the data into columns for training and columns for evaluation.

Explanation:

Reference:

- (Exam Topic 1)

Answer Area

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/create-features>

- (Exam Topic 1)

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 3: Natural language processing

Natural language processing (NLP) is used for tasks such as sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing>

NEW QUESTION 5

- (Exam Topic 2)

Which type of machine learning should you use to predict the number of gift cards that will be sold next month?

- A. classification
- B. regression
- C. clustering

Answer: C

Explanation:

Clustering, in machine learning, is a method of grouping data points into similar clusters. It is also called segmentation.

Over the years, many clustering algorithms have been developed. Almost all clustering algorithms use the features of individual items to find similar items. For example, you might apply clustering to find similar people by demographics. You might use clustering with text analysis to group sentences with similar topics or sentiment.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/machine-learning-initialize-m>

NEW QUESTION 6

- (Exam Topic 2)

You need to predict the income range of a given customer by using the following dataset.

| First Name | Last Name | Age | Education Level | Income Range |
|------------|------------|-----|-----------------|----------------|
| Orlando | Gee | 45 | University | 25,000-50,000 |
| Keith | Harris | 36 | High school | 25,000-50,000 |
| Donna | Carreras | 52 | University | 50,000-75,000 |
| Janet | Gates | 21 | University | 75,000-100,000 |
| Lucy | Harrington | 68 | High school | 50,000-75,000 |

Which two fields should you use as features? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Education Level
- B. Last Name
- C. Age
- D. Income Range
- E. First Name

Answer: AC

Explanation:

First Name, Last Name, Age and Education Level are features. Income range is a label (what you want to predict). First Name and Last Name are irrelevant in that they have no bearing on income. Age and Education level are the features you should use.

NEW QUESTION 7

- (Exam Topic 2)

To complete the sentence, select the appropriate option in the answer area.

Answer Area

A banking system that predicts whether a loan will be repaid is an example of the

classification

regression

clustering

 type of machine learning.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In the most basic sense, regression refers to prediction of a numeric target.

Example: Regression Model: A Boosted Decision Tree algorithm was used to create and train the model for predicting the repayment rate.

Reference:

<https://gallery.azure.ai/Experiment/Student-Loan-Repayment-Rate-Prediction>

NEW QUESTION 10

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