# Exam Questions AI-900

Microsoft Azure AI Fundamentals (beta)

## https://www.2passeasy.com/dumps/AI-900/

**NEW QUESTION 1**
- (Exam Topic 1)
A company employs a team of customer service agents to provide telephone and email support to customers. The company develops a webchat bot to provide automated answers to common customer queries.
Which business benefit should the company expect as a result of creating the webchat bot solution?

A. increased sales
B. a reduced workload for the customer service agents
C. improved product reliability

**Answer:** B

**NEW QUESTION 2**
- (Exam Topic 1)
To complete the sentence, select the appropriate option in the 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

**NEW QUESTION 3**
- (Exam Topic 1)
You build a machine learning model by using the automated machine learning user interface (UI). You need to ensure that the model meets the Microsoft transparency principle for responsible AI. What should you do?

A. Set Validation type to Auto.
B. Enable Explain best model.
C. Set Primary metric to accuracy.
D. Set Max concurrent iterations to 0.

**Answer:** B

**Explanation:**
Model Explain Ability.
Most businesses run on trust and being able to open the ML "black box" helps build transparency and trust. In heavily regulated industries like healthcare and banking, it is critical to comply with regulations and best practices. One key aspect of this is understanding the relationship between input variables (features) and model output. Knowing both the magnitude and direction of the impact each feature (feature importance) has on the predicted value helps better understand and explain the model. With model explain ability, we enable you to understand feature importance as part of automated ML runs.
Reference:
https://azure.microsoft.com/en-us/blog/new-automated-machine-learning-capabilities-in-azure-machine-learning

**NEW QUESTION 4**
- (Exam Topic 1)
To complete the sentence, select the appropriate option in the answer area.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection

**NEW QUESTION 5**
- (Exam Topic 1)
You are developing a model to predict events by using classification.
You have a confusion matrix for the model scored on test data as shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Box 1: 11

TP = True Positive.
The class labels in the training set can take on only two possible values, which we usually refer to as positive or negative. The positive and negative instances that a classifier predicts correctly are called true positives (TP) and true negatives (TN), respectively. Similarly, the incorrectly classified instances are called false positives (FP) and false negatives (FN).
Box 2: 1,033
FN = False Negative Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance

**NEW QUESTION 6**
- (Exam Topic 1)
What are three Microsoft guiding principles for responsible AI? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. knowledgeability
B. decisiveness
C. inclusiveness
D. fairness
E. opinionatedness
F. reliability and safety

**Answer:** CDF

**Explanation:**
Reference:
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

**NEW QUESTION 7**
- (Exam Topic 2)
To complete the sentence, select the appropriate option in the answer area.

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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