



## Microsoft

AI-900 Exam

Microsoft Azure AI Fundamentals

Exam Latest Version: 26.7

## DEMO Version

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<https://www.directcertify.com/microsoft/ai-900>

### Question 1. (Multi Select)

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

**Correct Answer: C, D, F**

#### **Explanation:**

<https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles>

### Question 2. (ORDERLIST)

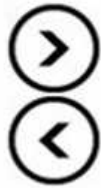
You plan to deploy an Azure Machine Learning model as a service that will be used by client applications.

Which three processes should you perform in sequence before you deploy the model? To answer, move the appropriate processes from the list of processes to the answer area and arrange them in the correct order.

## Processes

## Answer Area

- data encryption
- model retraining
- model training
- data preparation
- model evaluation



- A: data encryption
- B: model retraining
- C: model training
- D: data preparation
- E: model evaluation

**Correct Answer: D, B, E**

### Explanation:

<https://docs.microsoft.com/en-us/azure/machine-learning/concept-ml-pipelines>

### Question 3. (HOTSPOT)

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.

### Answer Area

There are [answer choice] correctly predicted positives.

- 5
- 11
- 1,033
- 13,951

There are [answer choice] false negatives.

- 5
- 11
- 1,033
- 13,951

**Correct Answer:**

### Answer Area

There are [answer choice] correctly predicted positives.

- 5
- 11
- 1,033
- 13,951

There are [answer choice] false negatives.

- 5
- 11
- 1,033
- 13,951

### Explanation:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance>

Finding TP is easy. It basically means the value where Predicted and True value is 1 and that is 11 in this case.

False Negative means where true value was 1 but predicted value was 0 and that is 1033 in this case

The confusion matrix shows cases where both the predicted and actual values were 1 (known as true positives) at the top left, and cases where both the predicted and the actual values were 0 (true negatives) at the bottom right. The other cells show cases where the predicted and actual values differ (false positives and false negatives).

<https://docs.microsoft.com/en-us/learn/modules/create-classification-model-azure-machine-learning-designer/evaluate-model>

#### Question 4. (DRAGDROP)

Match the types of AI workloads to the appropriate scenarios.

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.

| Workloads Types             | Answer Area  |
|-----------------------------|--|
| Anomaly detection           | Workload Type An automated chat to answer questions about refunds and exchange |
| Computer vision             | Workload Type Determining whether a photo contains a person                    |
| Conversational AI           | Workload Type Determining whether a review is positive or negative             |
| Knowledge mining            |  |
| Natural language processing |  |

**Correct Answer:**

### Workloads Types

- Anomaly detection
- Computer vision
- Conversational AI
- Knowledge mining
- Natural language processing

### Answer Area

- Conversational AI** | An automated chat to answer questions about refunds and exchange
- Computer vision** | Determining whether a photo contains a person
- Natural language processing** | Determining whether a review is positive or negative

### Explanation:

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

### Question 5. (Single Select)

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

**Correct Answer: B**



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