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AI-900

ⓘ This is a preview of the draft version of the quiz

Quiz Type Graded Quiz

Points 107

Assignment Group Assignments

Shuffle Answers No

Time Limit No Time Limit

Multiple Attempts No

View Responses Always

Show Correct Answers Immediately

One Question at a Time No

Due	For	Available from	Until
-	Everyone	-	-

[Preview](#)

Score for this quiz: **107** out of 107

Submitted Sep 16 at 9:32am

This attempt took 8 minutes.

Question 1

1 / 1 pts

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?

Correct!

- a reduced workload for the customer service agents
- increased sales
- improved product reliability

Question 2

1 / 1 pts

For a machine learning progress, how should you split data for training and evaluation?

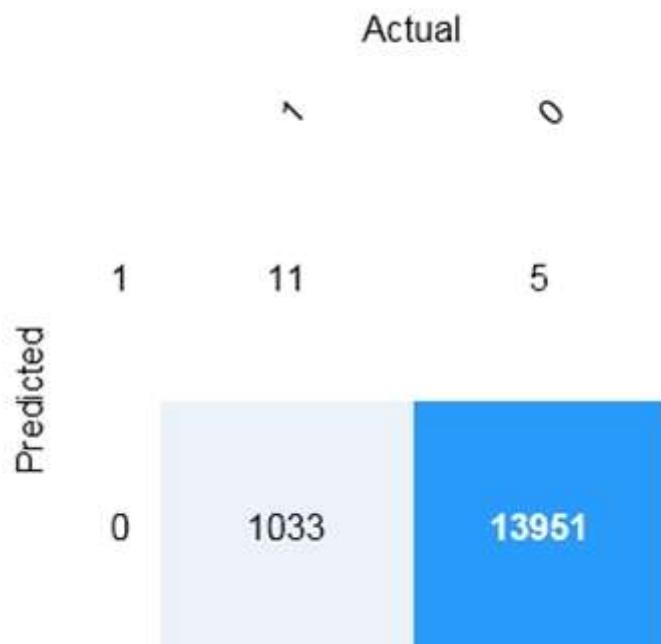
Correct!

- Randomly split the data into rows for training and rows for evaluation
- Randomly split the data into columns for training and columns for evaluation
- Use features for training and labels for evaluation

Question 3

1 / 1 pts

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. Correctly predicted positives



Correct!

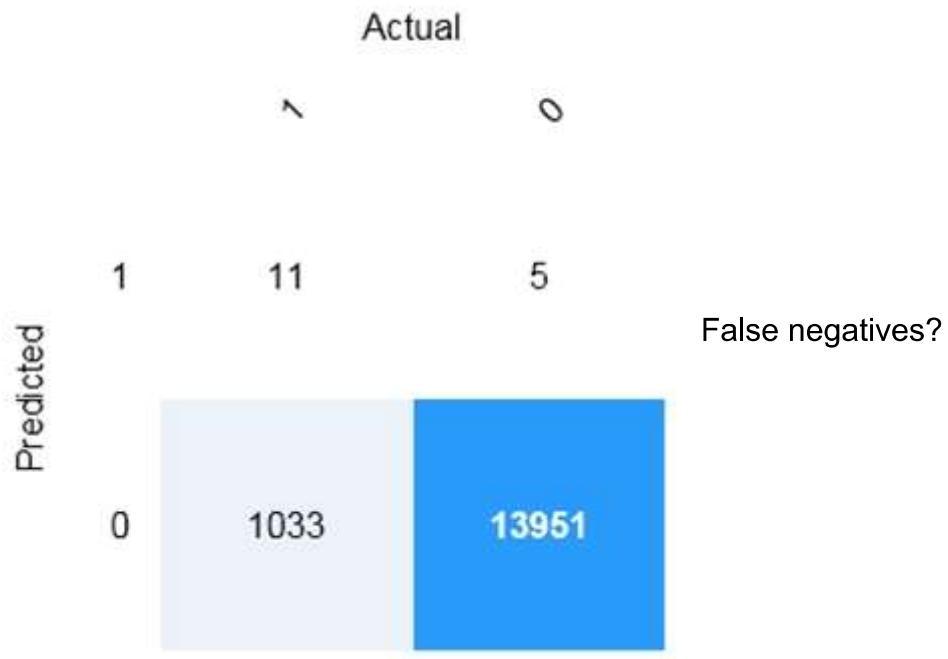
11

1033

5

Question 4

1 / 1 pts



Correct!

1033

13951

5

Question 5

1 / 1 pts

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?

Correct!

Enable Explain best model

Set Validation type to Auto

Set Primary metric to accuracy

Question 6**1 / 1 pts**

Forecasting housing price based in historical data is example for anomaly detection

Correct!

- False
-
- True

Question 7**1 / 1 pts**

Identifying the suspicious signs by looking the deviations from usual patterns in example of anomaly detection

Correct!

- True
-
- False

Question 8**1 / 1 pts**

Predicting whether a patient will develop diabetes based on the patient medical history is an example of anomaly detection

Correct!

- False

True**Question 9****1 / 1 pts**

The handling of unusual or missing values provided to an AI system is a consideration for the which principle of responsible AI

Correct!

- Reliability and Safety
- Inclusiveness
- Privacy and Security

Question 10**1 / 1 pts**

An automated chat to answer about refund and exchange is belongs to which workload type

Correct!

- Conversational AI
- NLP
- CV

Question 11**1 / 1 pts**

Determining photo belongs to a person or not

Correct!

CV

NLP

Anomaly detection

Question 12

1 / 1 pts

Determining the review is positive or negative belongs to which workload

Correct!

NLP

CV

Conversational AI

Question 13

1 / 1 pts

You are designing an AI system that empowers everyone, including people who have hearing, visual, and other impairments. This is an example of which Microsoft guiding principle for responsible AI?

Correct!

Inclusiveness

Privacy and Security

- Reliability and Safety

Question 14

1 / 1 pts

Ensure that AI systems operate as they were originally designed, respond to unanticipated conditions, and resist harmful manipulations

Correct!

- Reliability and Safety
- Privacy and Security
- Inclusiveness

Question 15

1 / 1 pts

Implementing processes to ensure that decisions by AI systems can be overridden by humans

Correct!

- Accountability
- Reliability and Safety
- Privacy and Security

Question 16

1 / 1 pts

Provide consumers with information and controls the collection, use and storage of their data

Correct!

- Privacy and Security
- Reliability and Safety
- Fairness

Question 17

1 / 1 pts

When developing an AI system for self driving cars, the Microsoft for responsible AI should be applied to ensure consistent operation system during unexpected circumstances

Correct!

- Reliability and Safety
- Privacy and Security
- Fairness
- Inclusiveness

Question 18

1 / 1 pts

Which service should you use to extract text, key/value pairs, and table data automatically from scanned documents?

Correct!

- Form Recognizer
- Text Analytics
- Ink Recognizer
- Custom Vision

Question 19

1 / 1 pts

The ability to extract subtotals and totals from a receipt is a capability of

Correct!

- Form Recognizer
- Ink Recognizer
- Text Analytics
- Custom Vision

Question 20

1 / 1 pts

You use Azure Machine Learning designer to publish an inference pipeline.

Which two parameters should you use to consume the pipeline?

Correct!

- authentication key, REST endpoint
- model name

- training endpoint
- Only REST endpoint

Question 21

1 / 1 pts

For Azure machine learning designer to deploy a real time inference pipeline as a service for others to consume, you must deploy the model to

Correct!

- Azure Kuburnetes Services
- Azure Container Instances
- Azure Machine Learning Compute
- Local web service

Question 22

1 / 1 pts

Predicting how many hours of over time a delivery person will work based on the number of orders received is an example of

Correct!

- Regression
- Classification
- Clustering

Question 23

1 / 1 pts

Azure machine learning designer provides a drag and drop visual canvas to build, test and deploy machine learning model

Correct! True False**Question 24**

1 / 1 pts

Azure Machine learning designer enables you to save your progress as a pipe line draft

Correct! True False**Question 25**

1 / 1 pts

Azure Machine Learning designer enable you to include custom java script functions

Correct! False True

Question 26

1 / 1 pts

You have the following dataset.

Household Income	Postal Code	House Price Category
20,000	55555	Low
23,000	20541	Middle
80,000	87960	High

You plan to use the dataset to train a model that will predict the house price categories of houses.

What is Household Income Category?

◀ ▶

Correct!

- Feature
 label

Question 27

1 / 1 pts

You have the following dataset.

Household Income	Postal Code	House Price Category
20,000	55555	Low
23,000	20541	Middle
80,000	87960	High

You plan to use the dataset to train a model that will predict the house price categories of houses.

What is House price Category?

◀ ▶

Correct!

- Label
 Feature

Question 28

1 / 1 pts

Which metric can you use to evaluate a classification model?

Correct!

- true positive rate
- mean absolute error
- coefficient of determination

Question 29

1 / 1 pts

Which two components can you drag onto a canvas in Azure Machine Learning designer?

Correct!

- dataset and Module
- Compute
- Pipeline

Question 30

1 / 1 pts

You need to create a training dataset and validation dataset from an existing dataset.

Which module in the Azure Machine Learning designer should you use?

Correct!

- Split data
- Select columns in Dataset
- Add Rows

Question 31

1 / 1 pts

Predicting how many minutes a flight will be late on account of snowfall at an airport

Correct!

- Regression
- Classification
- Clustering

Question 32

1 / 1 pts

Segment customers on different group of departments

Correct!

- Clustering
- Classification
- Regression

Question 33**1 / 1 pts**

Predicting whether student will complete university course or not

Correct!

- Classification
- Clustering
- Regression

Question 34**1 / 1 pts**

Examining the values of a confusion matrix

Correct!

- Model evaluation
- Model Training
- Feature selection

Question 35**1 / 1 pts**

Splitting data into month, day and year fields

Correct!

- Feature engineering
- Feature selection

- Model evaluation

Question 36

1 / 1 pts

Picking temperature and pressure to train weather model

Correct!

- Feature selection
- Feature engineering
- Model Training

Question 37

1 / 1 pts

Data values that influences the prediction of model are called

Correct!

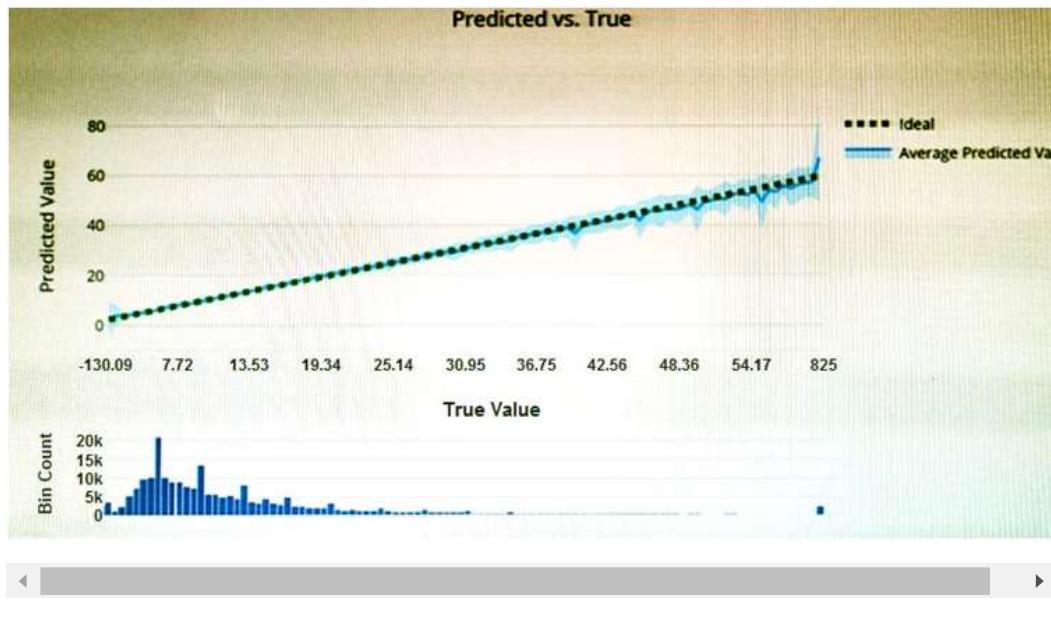
- Features
- labels
- Dependent variables

Question 38

1 / 1 pts

You have the Predicted vs. True chart shown in the following exhibit.

Which type of model is the chart used to evaluate?



Correct!

Regression

Classification

Clustering

Question 39

1 / 1 pts

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

Correct!

Regression

Classification

Clustering

Question 40

1 / 1 pts

You have a dataset that contains information about taxi journeys that occurred during a given period.

You need to train a model to predict the fare of a taxi journey.
What should you use as a feature?

Correct!

- the trip distance of individual taxi journeys
- the number of taxi journeys in the dataset
- the fare of individual taxi journeys

Question 41

1 / 1 pts

You need to predict the sea level in meters for the next 10 years.
Which type of machine learning should you use?

Correct!

- Regression
- Classification
- Clustering

Question 42

1 / 1 pts

Automated machine learning is a process of automating the time consuming, iterative tasks of machine learning model development

Correct! True False**Question 43**

1 / 1 pts

Automated Machine Learning can automatically infer the training data from the use case provided

Correct! False True**Question 44**

1 / 1 pts

Automated machine learning works by running multiple training iterations that are scored and ranked by the metrics you specify

Correct! True False**Question 45**

1 / 1 pts

Automated machine learning enables you to specify a dataset and will automatically understand which label to predict

Correct! False True**Question 46**

1 / 1 pts

Locate vehicles in an image

Correct! Object detection Image classification**Question 47**

1 / 1 pts

Extract movie title from poster

Correct! Optical character recognition Object detection**Question 48**

1 / 1 pts

Identify celebrities' in an image

Correct!

- Face recognition
- Object detection

Question 49

1 / 1 pts

which service you have to use to train an object detection model by using your own dataset

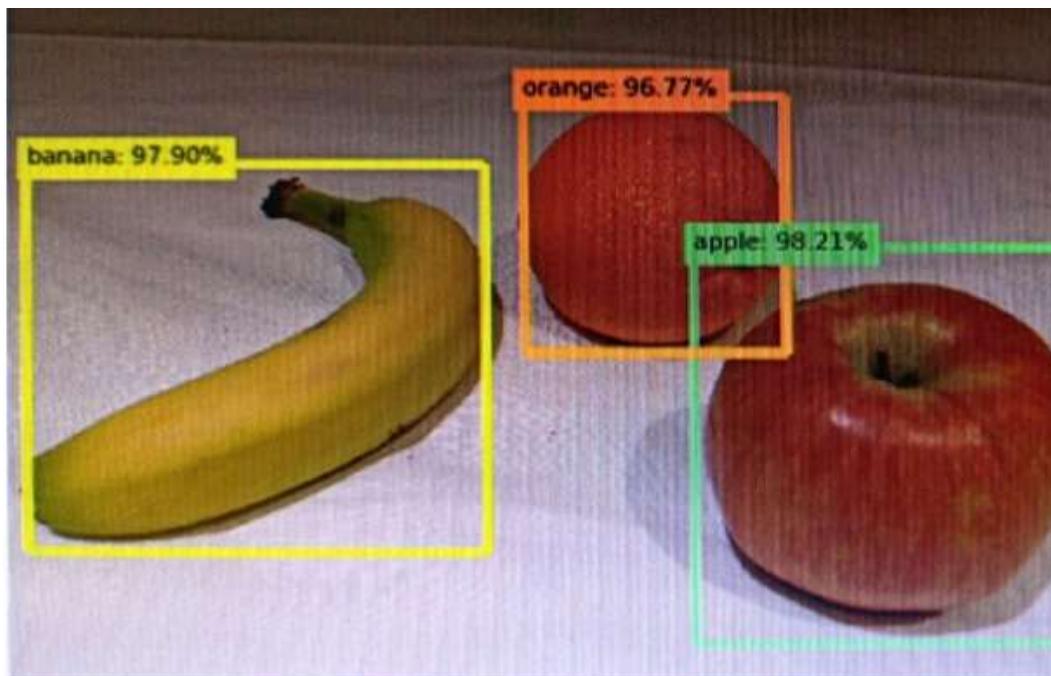
Correct!

- Custom vision
- Computer vision

Question 50

1 / 1 pts

You send an image to a Computer Vision API and receive back the annotated image shown in the exhibit. Which type of computer vision was used?



Correct!

Object detection

Image classification

Question 51

1 / 1 pts

A banking system that predicts whether a loan will be repaid is an example of which type of machine learning

Correct!

Classification

Regression

Question 52

1 / 1 pts

Labelling is the process of tagging training data with known values

Correct!

True

False

Question 53

1 / 1 pts

You should evaluate the model by using the same data used to train the model

Correct!

False

True

Question 54

1 / 1 pts

Accuracy is always the primary metric used to measure a model performance

Correct!

False

True

Question 55

1 / 1 pts

You need to develop a mobile app for employees to scan and store their expenses while travelling. Which type of computer vision should you use?

Correct!

- optical character recognition (OCR)
- image classification

Question 56

1 / 1 pts

Do two images of a face belongs to the same person, is which type of facial recognition task

Correct!

- Face verification
- Face identification

Question 57

1 / 1 pts

Does this person looks like other person

Correct!

- Similarity
- identifiocation

Question 58

1 / 1 pts

Correct!

Do all faces belongs together

 Grouping Similarity**Correct!****Question 59**

1 / 1 pts

Who is this person in this group of people

 Identification Similarity**Correct!****Question 60**

1 / 1 pts

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

 Regression Classification**Question 61**

1 / 1 pts

You are developing a solution that uses the Text Analytics service.
You need to identify the main talking points in a collection of documents.
Which type of natural language processing should you use?

Correct!

key phrase extraction

entity recognition

sentiment analysis

language detection

Question 62

1 / 1 pts

Understand how upset a customer is based on text contained in the support ticket

Correct!

Sentiment Analysis

Key phrase extraction

Entity recognition

Language detection

Question 63

1 / 1 pts

Summarize important information from a ticket

Correct!

- key phrase extraction
- Sentiment Analysis
- entity recognition
- Language detection

Question 64

1 / 1 pts

You use natural language processing to process text from a Microsoft news story.

You receive the output shown in the following exhibit.

For weeks now, students and teachers have been settling into the uncharted routine of distance learning. Today I want to thank all of the educators who are connecting classrooms and classmates together in the sudden shift to remote learning. This change requires everyone working together and is unlike anything we've seen in the modern history of education. We've seen countries, school districts and universities move rapidly into remote learning environments with Microsoft Teams being used in 175 countries by 183,000 institutions.



now [DateTime]
students [PersonType]
teachers [PersonType]
distance learning [Skill]
Today [DateTime-Date]
educators [PersonType]
classrooms [Location]
classmates [PersonType]
remote learning [Skill]
history [Skill]
education [Skill]
remote learning [Skill]
Microsoft [Organization]
175 [Quantity-Number]
183,000 [Quantity-Numb

Correct!

- Entity Recognition
- key phrase extraction
- Sentiment Analysis

Question 65**1 / 1 pts**

You are developing a natural language processing solution in Azure. The solution will analyze customer reviews and determine how positive or negative each review is.

This is an example of which type of natural language processing workload?

Correct! Sentiment Analysis key phrase extraction Entity Recognition**Question 66****1 / 1 pts**

You are building an AI system.

Which task should you include to ensure that the service meets the Microsoft transparency principle for responsible AI?

Correct! Provide documentation to help developers debug code.

Ensure that all visuals have an associated text that can be read by a screen reader.

Enable autoscaling to ensure that a service scales based on demand.

Question 67**1 / 1 pts**

Identifying the hand written letters belongs to which workload type

Correct!

CV

NLP

Anomaly Detection

Question 68

1 / 1 pts

Predicting sentiment of social media post

Correct!

NLP

CV

Regression

Question 69

1 / 1 pts

Identifying fraudulent credit card payment belongs to which workload type

Correct!

Anomaly Detection

NLP

CV

Question 70

1 / 1 pts

Predicting next month toys sale

Correct!

- Regression
- NLP
- CV

Question 71

1 / 1 pts

Your company is exploring the use of voice recognition technologies in its smart home devices. The company wants to identify any barriers that might unintentionally leave out specific user groups.

This is an example of which Microsoft guiding principle for responsible AI?

Correct!

- Inclusiveness
- Fairness
- Reliability and Safety

Question 72

1 / 1 pts

which of the following is Microsoft guiding principles for responsible AI?

Correct! Fairness knowledgeability decisiveness**Question 73**

1 / 1 pts

which of the following is Microsoft guiding principles for responsible AI?

Correct! Inclusiveness decisiveness knowledgeability**Question 74**

1 / 1 pts

which of the following is Microsoft guiding principles for responsible AI?

Correct! Reliability and Safety decisiveness opinionatedness**Question 75**

1 / 1 pts

which of the following is Microsoft guiding principles for responsible AI?

Correct!

- Privacy and Security
- decisiveness
- knowledgeability

Question 76

1 / 1 pts

Returning a bounding box that indicates the location of a vehicle in a image is an example of

- image classification.
- object detection.
- optical character recognizer (OCR).
- semantic segmentation.

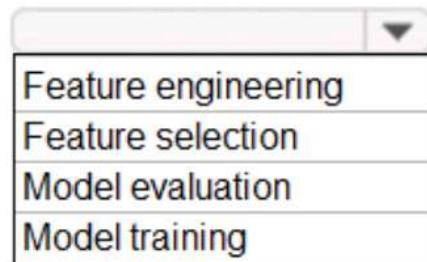
◀ ▶

Correct!

- Object Detection
- Image Classification
- OCR
- Semantic Segmentation

Question 77

1 / 1 pts



is used to generate additional features.

Correct!

- Feature engineering
- Feature selection
- Model evaluation
- Model Training

Question 78

1 / 1 pts

You run a charity event that involves posting photos of people wearing sunglasses on Twitter.

You need to ensure that you only retweet photos that meet the following requirements:

- Include one or more faces.
- Contain at least one person wearing sunglasses.

What should you use to analyze the images?

Correct!

- The Detect operation in the Face service
- the Verify operation in the Face service
- the Describe Image operation in the Computer Vision service
- the Analyze Image operation in the Computer Vision service

Question 79**1 / 1 pts**

Azure Machine Learning designer lets you create machine learning models by:

- adding and connecting modules on a visual canvas.
- automatically performing common data preparation tasks.
- automatically selecting an algorithm to build the most accurate model.
- using a code-first notebook experience.

Correct!

- Adding and connecting modules on visual canvas
- Automatically performing common data preparations
- Automatically selecting algorithm to build a most accurate model
- Using code first notebook experience

Question 80**1 / 1 pts**

Automated machine learning provides you with the ability to include custom python scripts in a training pipeline

Correct!

- False
- True

Question 81**1 / 1 pts**

Automated machine learning provides machine learning solutions without need of programming solutions

Correct! True False**Question 82****1 / 1 pts**

Automated machine learning provides you with the ability to visually connect dataset and modules on an interactive canvas

Correct! False True**Question 83****1 / 1 pts**

A medical research project uses a large anonymized dataset of brain scan images that are categorized into predefined brain haemorrhage types. You need to use machine learning to support early detection of the different brain haemorrhage types in the images before the images are reviewed by a person.

This is an example of which type of machine learning?

Correct!

- Classification
- Clustering

Question 84

1 / 1 pts

When training a model, why should you randomly split the rows into separate subsets?

Correct!

- to test the model by using data that was not used to train the model
- to train multiple models simultaneously to attain better performance
- to train the model twice to attain better accuracy

Question 85

1 / 1 pts

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.

Correct!

- Age and Education Level
- First Name and Last Name

- Age and First Name

Question 86

1 / 1 pts

You are building a tool that will process your company's product images and identify the products of competitors.

The solution will use a custom model.

Which Azure Cognitive Services service should you use?

Correct!

- Custom Vision

- Computer vision

- NLP

Question 87

1 / 1 pts

Monitoring online service reviews for profanities is an examples of NLP

Correct!

- True

- False

Question 88

1 / 1 pts

Identifying brand logo on image is an example for NLP

Correct! False True**Question 89**

1 / 1 pts

Monitoring public news sites for negative mentioning of products is an example of NLP

Correct! True False**Question 90**

1 / 1 pts

Identify important concepts in text, including key phrases and named entities such as people, places, and organizations

Correct! Key phrase extraction Sentiment analysis Translation**Question 91**

1 / 1 pts

----- is the process of determining whether a piece of writing is positive, negative or neutral.

Correct!

Sentiment Analysis

key phrase extraction

Translation

Question 92

1 / 1 pts

Extract persons, locations and organization from text comes under which workload type

Correct!

Entity Recognition

Sentiment Analysis

Key phrase extraction

Question 93

1 / 1 pts

Evaluating the text under positive and negative scale

Correct!

Sentiment Analysis

Entity Recognition

- key phrase extraction

Question 94

1 / 1 pts

Returns text translated into target language

Correct!

- Translation
- Sentiment Analysis
- Key phrase extraction

Question 95

1 / 1 pts

Text analytics service can identify in which language text is written

Correct!

- True
- False

Question 96

1 / 1 pts

Text Analytics service can detect handwritten signatures in the document

Correct!

- False

True**Question 97****1 / 1 pts**

Text Analytics service can identify companies and organization that mentioned in the document

Correct! True False**Question 98****1 / 1 pts**

You need to make the press releases of your company available in a range of languages.

Which service should you use?

Correct! Translator Text Text Analytics Speech Language Understanding (LUIS)**Question 99****1 / 1 pts**

You are developing a chatbot solution in Azure.
Which service should you use to determine a user's intent?

Correct!

- Language Understanding (LUIS)
- Translator Text
- QnA Maker
- Speech

Question 100

1 / 1 pts

Answer Area

Natural language processing can be used to

- classify email messages as work-related or personal.
- predict the number of future car rentals.
- predict which website visitors will make a transaction.
- stop a process in a factory when extremely high temperatures are registered.

Correct!

- Classify email messages as work related or personnel
- Predicting number of future car rentals
- Predict which website visitors will make a transaction
- Stop a process in factory....

Question 101**1 / 1 pts**

Your website has a chatbot to assist customers.

You need to detect when a customer is upset based on what the customer types in the chatbot.

Which type of AI workload should you use?

Correct! NLP Anomaly Detection Semantic Segmentation Regression**Question 102****1 / 1 pts**

Your company wants to build a recycling machine for bottles. The recycling machine must automatically identify bottles of the correct shape and reject all other items.

Which type of AI workload should the company use?

Correct! computer vision conversational AI anomaly detection natural language processing

Question 103**1 / 1 pts**

What are tasks that can be performed by using computer vision

Correct!

- Detect brands in an image and Detect the color scheme in an image
- Translate text between languages.
- Extract key phrases
- Predict stock prices

Question 104**1 / 1 pts**

What is a use case for classification?

Correct!

- analyzing the contents of images and grouping images that have similar colors
- predicting how many cups of coffee a person will drink based on how many hours the person slept the previous night
- predicting whether someone uses a bicycle to travel to work based on the distance from home to work
- predicting how many minutes it will take someone to run a race based on past race times

Question 105**1 / 1 pts**

What are two tasks that can be performed by using the Computer Vision service?

Correct!

- Detect faces in an image and Recognize handwritten text
- Train a custom image classification model
- Translate the text in an image between languages

Question 106**1 / 1 pts**

You need to determine the location of cars in an image so that you can estimate the distance between the cars.

Which type of computer vision should you use?

Correct!

- Object detection
- image classification
- OCR

Question 107**1 / 1 pts**

Answer area fields are:

Workloads Types	Answer Area
Facial recognition	Workload Type
Image classification	Workload Type
Object detection	Workload Type
Optical character recognition (OCR)	Workload Type

◀ ▶

Correct!

Face Recognition, OCR, Object Detection

Face Recognition, Object Detection, OCR

Object Detection, OCR, Face Recognition

Quiz Score: **107** out of 107