what is the primary goal of artificial intelligence in the context of business applications a automating repetitive tasks B enhancing human decisionmaking C personalizing user experiences D all of the above answer D all of the above

which AI workload focuses on understanding and generating human language a computer vision B natural language processing NLP C knowledge mining D content moderation answer B natural language processing NLP what is the main feature of content moderation workloads in AI a classifying images B detecting inappropriate content C translating languages D generating text answer B detecting inappropriate content

which type of AI workload is used to analyze and extract information from images and videos a natural language processing NLP B generative AI C computer vision D knowledge mining answer C computer vision what is a common application of personalization workloads in AI a recommending products to users B

translating text C moderating content D analyzing documents answer a recommending products to users which AI workload involves extracting structured information from unstructured data sources a Content moderation B document intelligence C computer vision D knowledge mining answer B knowledge mining what is the focus of document intelligence workloads in AI a creating new documents B understanding and processing existing documents C moderating text content D translating documents answer B understanding and processing existing documents which feature is associated with generative AI workloads a creating new and unique content B translating languages C analyzing images D extracting key information from text answer a creating new and unique content what is a key consideration when implementing AI for Content moderation a ensuring high accuracy in detecting inappropriate content B automating language translation C

personaliz in recommendations D

extracting information from documents

answer a ensuring high accuracy in

detecting inappropriate content what

type of AI workload is used for

summarizing large volumes of text a

natural language processing NLP B

computer vision C document intelligence

D generative AI answer C document

intelligence what is a key principle of

responsible AI a maximizing profit B

ensuring fairness and Equity C reducing

computational cost D accelerating

deployment answer B ensuring fairness

and equity which consideration ensures

that AI Solutions do not discriminate

against certain

groups a transparency B privacy C

fairness D accountability answer C

fairness what is a critical aspect of

ensuring AI reliability and

safety a frequent updates B rigorous

testing and validation C minimizing

costs D maximizing data collection

answer B rigorous testing and validation

Which principle involves protecting user

data from unauthorized access a fairness

b

inclusiveness c privacy and security D

transparency answer C privacy and

security why is inclusiveness important

in AI Solutions a to ensure the solution

works for all user groups B to reduce

development time C to minimize resource

usage D to comply with regulations

answer a to ensure the solution works

for all user groups what does

transparency in AI Solutions involve a

hiding the AI algorithms used B clearly

explaining how AI decisions are made C

limiting user access to information D

increasing data collection answer B

clearly explaining how AI decisions are

made which consideration focuses on who

is responsible for the outcomes of AI

systems a accountability b

inclusiveness c fairness D privacy

answer a accountability what is a

primary goal of incorporating fairness

into AI a improving speed B reducing

bias C increasing profitability D

enhancing user experience answer B

reducing bias how can AI developers ensure the reliability of their Solutions a by continuously monitoring performance and outcomes B by minimizing computational power C by using only proprietary data d by avoiding user feedback answer a by continuously monitoring performance outcomes why is accountability important in AI systems a it ensures that there is a clear chain of responsibility for AI actions B it reduces the need for testing C it increases system complexity D it maximizes data usage answer a it ensures that there is a clear chain of responsibility for AI actions which machine learning technique is used for predicting continuous values a classification B regression C clustering D reinforcement learning answer B regression what is the goal of classification in machine learning a to group data points into clusters B to predict continuous outcomes C to assign data points to predefined categories D to generate new data answer C to assign

data points to predefined categories

which scenario is best suited for

clustering techniques a predicting house

prices B diagnosing diseases C customer

segmentation D classifying spam emails

answer C customer segmentation what is a

key characteristic of deep learning

techniques a a use of decision trees B

layered neural networks C simple linear

models d k means algorithm answer B

layered neural networks which machine

learning technique is typically used for

anomaly detection a regression B

classification C clustering D deep

learning answer C clustering what is a

common application of regression

techniques a image recognition B

predicting stock prices C spam detection

D grouping customers answer B predicting

stock prices which type of machine

learning model is used to categorize

emails as spam or not

spam a regression B

classification C clustering d deep

learning answer B

classification what is an example of a

deep learning application a linear regression for house price prediction b k means clustering for Market segmentation C convolutional neural networks for image recognition D decision tree for classification answer C convolutional neural networks for image recognition which Tech technique would be used to group similar items without pre-labeled data a regression B classification C clustering D deep learning answer C clustering what is a feature of supervised learning techniques a no labeled data is used B models are trained using labeled data C models find hidden patterns in data without guidance D models generate new data from scratch answer B models are trained using labeled data what are features and labels in a machine learning data set a features are the output variables labels are the input variables B features are the input variables labels are the output variables C features and labels are the same D features and labels are not used

in machine learning answer B features are the input variables labels are the output variables how are training and validation data sets typically used in machine learning a training data set is used to evaluate model performance validation data set is used for model training B training data set is used for model training validation data set is used to evaluate model performance C both data sets are used for model training D both data sets are used to evaluate model performance answer B training data set is used for model training validation data set is used to evaluate model performance what are some capabilities of azure machine learning a model training deployment and monitoring B data visualization and exploration only C C cloud storage management D database Administration answer a model training deployment and monitoring what are the capabilities of Automated machine learning automl AA automatic feature engineering model selection and hyperparameter tuning B manual data

pre-processing and model training C visualization tools only D cloud storage management answer a automatic feature engineering model selection and hyperparameter tuning what are examples of data and compute services for data science and machine learning in Azure a Azure machine learning Azure data bricks Azure data Lake B Azure virtual machines Azure SQL database Azure Cosmos DB C azure kubernetes service Azure functions Azure logic apps D Azure storage Azure devops Azure active directory answer a Azure machine learning Azure data bricks Azure data Lake what is the purpose of Model Management and deployment capabilities in Azure machine learning a to automate data pre-processing B to visualize data C to deploy and manage machine learning models at scale D to monitor Cloud infrastructure answer C to deploy and manage machine learning models at scale how are features and labels typically represented in a machine learning data set a features are stored in rows labels

in columns B features are stored in columns labels in rows C features and labels are stored in sep separate data sets D features and labels are stored in the same column answer B features are stored in columns labels in rows what is the primary purpose of the validation data set in machine learning a to train the model B to evaluate the model's performance C to test the model's generalization ability D to pre-process the data answer B to evaluate the model's performance what are some advantages of using Azure machine learning for model deployment a scalability monitoring and Version Control B data visualization and exploration C cloud storage management D database Administration answer a scalability monitoring and Version Control what is the purpose of Automated machine learning automl a to automate the entire machine learning process from data pre-processing to model deployment B to manually select features and labels C to visualize data only D to monitor

Cloud infrastructure answer a to automate the entire machine learning process from data pre-processing to model deployment what are some common types of computer Vision Solutions a image classification object detection optical character recognition B data visualization clustering regression C natural language processing sentiment analysis speech recognition D cloud storage management database Administration virtualization answer a image classification object detection optical character recognition what are features typically associated with image classification Solutions a identifying and categorizing objects within an image B detecting and tracking objects in real time C converting handwritten or printed text into machine readable text D analyzing facial features and expressions answer a identifying and categorizing objects within an image what are features commonly found in object detection Solutions a assigning

labels to images B detecting and localizing multiple objects within an image C recognizing handwritten or printed text D analyzing facial features and expressions answer B detecting and localizing multiple objects within an image what features are associated with with optical character recognition OCR Solutions a identifying and categorizing objects within an image B detecting and localizing multiple objects within an image C converting handwritten or printed text into machine readable text D analyzing facial features and expressions answer C converting handwritten or printed text into machine readable text

what features are typically included in facial detection and facial analysis Solutions a assigning labels to images B detecting and tracking objects in real time C recognizing handwritten or printed text D analyzing facial features and expressions answer D analyzing facial features and expressions what is the primary goal of image classification

solution S A detecting and tracking objects in real time B identifying and categorizing objects within an image C converting handwritten or printed text into machine readable text D analyzing facial features and expressions answer B identifying and categorizing objects within an image what is the main purpose of object detection Solutions a assigning labels to images B detecting and localizing multiple objects within an image C recognizing handwritten or printed text D analyzing facial features and expressions answer B detecting and localizing multiple objects within an image wire optical character recognition OCR Solutions used a to assign labels to images B to detect and track objects in real time C to convert handwritten or printed text into machine readable text D to analyze facial features and expressions answer C to convert handwritten or printed text into machine readable text what is the primary function of facial detection and facial analysis

Solutions a to assign labels to images B to detect and track off objects in real time C to recognize handwritten or printed text D to analyze facial features and expressions answer D to analyze facial features and expressions what are common applications of object detection Solutions a medical image analysis autonomous driving security surveillance B sentiment analysis recommendation systems fraud detection C speech recognition language translation chat Bots D cloud storage management database Administration virtualization answer a medical image analysis autonomous driving security surveillance what are some Azure tools and services commonly used for computer vision tasks a Azure computer vision Azure custom Vision Azure face API B Azure machine learning Azure data bricks Azure data Lake C Azure functions Azure logic apps Azure kubernetes service D Azure SQL database Azure Cosmos DB Azure storage answer a Azure computer vision Azure custom Vision Azure face API what

are the capabilities of the Azure AI vision service a recognizing and categorizing objects within images extracting text from images generating image descriptions B analyzing sentiment from text Data translating languages generating speech from text C detecting anomalies in Time series data predicting future outcomes optimizing resource allocation D automating data pre-processing feature engineering and model selection answer a recognizing and categorizing objects within images extracting text from images generating image descriptions what are the capabilities of the Azure AI face detection service a recognizing and categorizing objects within images extracting text from images generating image descriptions B analyzing sentiment from text Data translating languages generating speech from text C detecting faces in images identifying facial landmarks estimating emotional Expressions D automating data

pre-processing feature engineering and model selection answer C detecting faces in images identifying facial landmarks estimating emotional Expressions what is the primary function of the Azure AI vision service a detecting faces in images B recognizing and categorizing objects within images C extracting text from images D generating image descriptions answer B recognizing and categorizing objects within images what task can the Azure AI face detection service perform a analyzing sentiment from text Data B translating languages C detecting faces in images D generating speech from text answer C detecting faces in images what type of tasks can the Azure AI vision service help with a analyzing sentiment from text Data B translating languages C recognizing and categor izing objects within images D generating speech from text answer C recognizing and categorizing objects within images what capability does the Azure AI face detection service offer in addition to

detecting

faces a extracting text from images B

identifying facial landmarks C analyzing

sentiment from text Data D translating

language ages answer B identifying

facial landmarks what is a primary use

case for the Azure AI vision

service a analyzing sentiment from text

Data B detecting and tracking objects in

real time C recognizing and categorizing

objects within images D translating

languages answer C recognizing and

categorizing objects within images

what is a key feature of the Azure AI

face detection

service a recognizing and categorizing

objects within images B identifying

facial landmarks and estimating

emotional Expressions C extracting text

from images D generating image

descriptions answer B identifying facial

landmarks and estimating emotional

Expressions what are some tasks that the

Azure AI face detection service can

perform a analyzing sentiment from text

Data B detecting faces in images

identifying facial landmarks estimating emotional Expressions C recognizing and categorizing objects within images D translating languages answer B detecting faces in images identifying facial landmarks
estimating emotional Expressions what are some features of natural language processing NLP workloads on Azure a text analytics language understanding text generation B image classification object detection optical character recognition C speech recognition sentiment analysis translation D database Administration virtualization cloud storage management answer a text analytics language understanding text generation what are common features of NLP workload scenarios a sentiment analysis keyphrase extraction entity recognition B image classification object detection optical character recognition C translation speech recognition
language modeling D data visualization clustering regression answer a sentiment analysis key phrase extraction entity

recognition what are features and uses for keyphrase extraction a identifying important words or phrases in a text document summarizing content extracting topic keywords B recognizing and categorizing objects within images detecting faces estimating emotional Expressions C translating languages generating speech from text analyzing sentiment from text Data D converting handwritten or printed text into machine readable text identifying facial landmarks answer a identifying important words or phrases in a text document summarizing content extrac in topic keywords what are features and uses for entity recognition a identifying and categorizing objects within images detecting faces estimating emotional Expressions B recognizing named entities such as people organizations and locations in text extracting useful information from unstructured data C translating languages generating speech from text analyzing sentiment from text Data D converting handwritten or printed

text into machine readable text

identifying facial landmarks answer B

recognizing named entities such as

people

organizations and locations in text

extracting useful information from

unstructured data what are features and

uses for sentiment analysis A

translating languages

generating speech from text analyzing

sentiment from text Data B identifying

and categorizing objects within images

detecting faces estimating emotional

Expressions C analyzing the emotional

tone of text determining whether text

expresses positive negative or neutral

sentiment D converting handwritten or

printed text into machine readable text

ident ifying facial landmarks answer C

analyzing the emotional tone of text

determining whether text expresses

positive negative or neutral sentiment

what are features and uses for language

modeling a recognizing and categorizing

objects within images detecting faces

estimating emotional Expressions B

generating text based on learned patterns in language data predicting the next word in a sentence C translating languages generating speech from text analyzing sentiment from text Data D converting handwritten or printed text into machine readable text identifying facial landmarks answer B generating text based on learned patterns in language data predicting the next word in a sentence what are features and uses for speech recognition and synthesis a analyzing sentiment from text Data identifying facial landmarks and estimating emotional Expressions B converting spoken language into text generating spoken language from text C recognizing and categorizing objects within images detecting faces D translating languages summarizing content extracting topic keywords answer B converting spoken language into text generating spoken language from text what are features and uses for translation a analyzing sentiment from text Data identifying facial landmarks

and estimating emotional Expressions B converting text from one language to another enabling communication between speakers of different languages C recognizing and categorizing objects within images detecting faces D generating text based on learned patterns in language data predicting the next word in a sentence answer B converting text from one language to another enabling communication between speakers of different languages what is a common feature of NLP workloads a recognizing and categorizing objects within images B analyzing sentiment from text Data C translating languages D generating speech from text answer B analyzing sentiment from text Data what is a primary use for keyphrase extraction in NLP a translating languages B summarizing content identifying important words or phrases in a text document C analyzing sentiment from text Data D generating speech from text answer B summarizing content identifying

important words or phrases in a text

document what are some features of

natural language processing NLP

workloads on Azure a text analytics

language understanding text generation B

image classification object detection

optical character recognition C speech

recognition sentiment analysis

translation D database Administration

virtualization cloud storage management

answer a text analytics language

understanding text generation what are

common features of NLP workload

scenarios a sentiment analysis key

phrase extraction entity recognition B

image

classification object detection optical

character recognition C translation

speech recognition language modeling D

data visualization clustering regression

answer a sentiment analysis key phrase

extraction entity recognition what are

features and uses for key phrase

extraction a identifying important words

or phrases in a text document

summarizing content extracting topic

keywords B recognizing and categorizing objects within images detecting faces estimating emotional Expressions C translating languages generating speech from text analyzing sentiment from text Data D converting handwritten or printed text into machine readable text identifying facial landmarks answer a identifying important words or phrases in a text document summarizing content extracting topic keywords what are features and uses for entity recognition a identifying and categorizing objects within images detecting faces estimating emotional Expressions B recognizing named entities such as people organizations and locations inex text extracting useful information from unstructured data C translating languages generating speech from text analyzing sentiment from text Data D converting handwritten or printed text into machine readable text identifying facial landmarks answer B recognizing named entities such as people organizations and locations in text

extracting useful information from unstructured data what are features and uses for sentiment analysis A translating languages generating speech from text analyzing sentiment from text Data B identifying and categorizing objects within images detecting faces estimating emotional Expressions C analyzing the emotional tone of text determining whether text expresses positive negative or neutral sentiment D converting handwritten or printed text into machine readable text identifying facial landmarks answer C analyzing the emotional tone of text determining whether text expresses positive negative or neutral sentiment what are features and uses for language modeling a recognizing and categorizing objects within images detecting faces estimating emotional Expressions B generating text based on learned patterns in language data predicting the next word in a sentence C translating languages generating speech from text analyzing sentiment from text Data D converting

handwritten or printed text into machine readable text identifying facial landmarks answer B generating text based based on learned patterns in language data predicting the next word in a sentence what are features and uses for speech recognition and synthesis a analyzing sentiment from text Data identifying facial landmarks and estimating emotional Expressions B converting spoken language into text generating spoken language from text C recognizing and categorizing objects within images detecting faces D translating languages summarizing content extracting topic keywords answer B converting spoken language into text generating spoken language from text what are features and uses for translation a analyzing sentiment from text Data identifying facial landmarks and estimating emotional Expressions B converting text from one language to another enabling communication between speakers of different languages C recognizing and categorizing objects

within images detecting faces D
generating text based on learned
patterns in language data predicting the
next word in a sentence answer B
converting text from one language to
another enabling communication between
speakers of different languages what is
a common feature of NLP workloads a
recognizing and categorizing objects
within images B analyzing sentiment from
text Data C translating languages D
generating speech from text answer B
analyzing sentiment from text Data what
is a primary use for keyphrase
extraction in
NLP a translating languages B
summarizing content identifying
important words or phrases in a text
document C analyzing sentiment from text
Data D generating speech from text
answer B summarizing content identifying
important words or phrases in a text
document what are some features of
generative AI Solutions a creating new
content such as images text or music
based on unlearned patterns in existing

data B analyzing sentiment from text

Data identifying objects within images C

translating languages summarizing

content extracting topic keywords D

recognizing speech generating spoken

language from text answer a creating new

content such as images text or music

based on learned patterns in existing in

data what are features of generative AI

models a learning to imitate human

behavior generating realistic images

text or other content B analyzing

sentiment from text Data identifying

objects within images C translating

languages summarizing content extracting

topic keywords D recognizing speech

generating spoken language from text

answer a learning to imitate human

behavior generating realistic images

text or other content what are common

scenarios for generative AI a image

synthesis text generation music

composition B sentiment analysis object

detection optical character recognition

C translation speech recognition

language model ing D data visualization

clustering regression answer a image synthesis text generation music composition what are responsible AI considerations for generative AI a ensuring generated content aligns with ethical guidelines avoiding bias in training data transparency in Model Behavior B analyzing sentiment from Text data identifying objects within images C translating languages summarizing content extracting topic keywords D recognizing speech generating spoken language from text answer a ensuring generated content aligns with ethical guidelines avoiding bias in training data transparency in Model Behavior what are some features of generative AI

Solutions

a learning to imitate human behavior generating realistic images text or other content B analyzing sentiment from text Data identifying objects within images C translating languages summarizing content extracting topic keywords D recognizing speech generating spoken language from text answer a

learning to imitate human behav Behavior

generating realistic images text or

other content what types of tasks can

generative AI models perform a image

synthesis text generation music

composition B sentiment analysis object

detection optical character recognition

C translation speech recognition

language modeling D data visualization

cluster mastering regression answer a

image synthesis text generation music

composition what are important

considerations when deploying generative

AI models a ensuring ethical use of

generated content addressing potential

biases in training data providing

transparency in Model Behavior B

analyzing sentiment from text Data

identifying objects within images C

translating languages summarizing

content extracting topic keywords D

recognizing speech generating spoken

language from text answer a ensuring

ethical use of generated content

addressing potential biases in training

data providing transparency in Model

Behavior what are some features of generative AI workloads a learning to create new cont content based on patterns in existing data generating images text or music B analyzing sentiment from text Data identifying objects within images C translating languages summarizing content extracting topic keywords D recognizing speech generating spoken language from text answer a learning to create new content based on patterns in existing data generating images text or music what are common scenarios where generative AI is applied a artistic content generation content Creation in entertainment industry synthetic data generation B sentiment analysis object detection optical character recognition C translation speech recognition language modeling d data visualization clustering regression answer a artistic content generation content creation and entertainment industry synthetic data generation what are key considerations for ensuring responsible use of

generative AI a mitigating potential harms from generated content addressing biases in training data ensuring transparency and fairness B analyzing sentiment from text Data identifying objects within images C translating languages summarizing content extracting topic keywords D recognizing speech generating spoken language from text answer a mitigating potential harms from generated content addressing biases in training data ensuring transparency and fairness what are some capab abilities of the Azure open AI service a natural language generation code Generation image generation B sentiment analysis object detection optical character recognition C translation speech recognition language modeling D data visualization clustering regression answer a natural language generation code Generation image generation what are the natural language generation capabilities of azure open AI service a generating coherent and contextually relevant text based on provided prompts

or inputs B analyzing sentiment from text Data identifying objects within images C translating languages summarizing content extracting topic keywords D recog recognizing speech generating spoken language from text answer a generating coherent and contextually relevant text based on provided prompts or inputs what are the code generation capabilities of azure open AI service a automatically generating code Snippets or completing code based on provided context or requirements B analyzing sentiment from text Data identifying objects within images C translating languages summarizing content extracting topic keywords D recognizing speech generating spoken language from text answer a automatically generating code Snippets or completing code based on provided context or requirements what are the image generation capabilities of azure open AI service a generating realistic images

based on provided descriptions or concepts B analyzing sentiment from text Data identifying objects within images C translating languages summarizing content extracting topic keywords D recognizing speech generating spoken language from text answer a generating realistic images based on provided descriptions or concepts what capabilities does the Azure open AI service offer a natural language generation code Generation image generation B speech recognition sentiment analysis translation C object detection optical character recognition language modeling D data visualization clustering regression answer a natural language generation code Generation image generation what can the natural language generation feature of azure open AI service do a generate coherent and contextually relevant text based on provided prompts or inputs B translate languages summarize content extract topic keywords C analyze

sentiment from text Data identify

objects within images D recognize speech

generate spoken language from text

answer a generate coherent and

contextually relevant text based on

provided prompts or

inputs what is a key capability of azure

open AI service for code related

tasks a automatically generate code

Snippets or complete code based on

provided context or

requirements B analyze sentiment from

text data identify objects within images

C translate languages summarize content

extract topic keywords D recognize

speech generate spoken language from

text answer a automatically generate

code Snippets or complete code based on

provided context or

requirements what feature of azure

openai service allows it to generate

realistic images

a image generation capabilities B

natural language generation capabilities

C code generation capabilities D speech

recognition capabilities answer a image

generation capabilities what are some of the capabilities of azure open AI service a natural language generation code Generation image generation B sentiment analysis object detection optical character recognition C translation speech recognition language modeling D data visualization clustering regression answer a natural language generation code Generation image generation what kind of text can the natural language generation capabilities of azure open AI service produce a coherent and contextually relevant text based on provided prompts or inputs B code Snippets or complete code based on provided context or requirements C summarized content and extracted topic keywords D translated languages and sentiment analysis results answer a coherent and contextually relevant text based on provided prompts or inputs