

Thank you. Your test submitted.

You have cleared this assessment.

Obtained Percentage

Obtained Marks

93.33 %

14 / 15

Best Attempt Score:93.33 % on 22-03-2025

Consider an online grocery store which wants to offer discounts to its customers based on their purchasing patterns. Which of the following machine learning technique will help in grouping similar customers?

- ☒ Clustering
- ☐ Classification
- ☐ Regression
- ☐ Logistic Regression

Warning

This operation is disabled.

You are required to develop an AI solution that can help the healthcare sector to identify and narrow down tumor regions and further predict if the tumor is malignant or not. Which of the following techniques can be applied for the stated problem?

- ☐ Object detection and segmentation
- ☐ Object Segmentation
- ☐ Object Classification
- ☒ All the given options

Warning

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Consider a scenario, where you want to predict if a patient has a chance of having diabetes based on their lifestyle patterns. Which of the following machine learning algorithms will you choose?

- ☐ Classification
- ☐ Clustering
- ☒ Logistic Regression
- ☐ Linear Regression

Warning

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Which of the following techniques help in addressing certain complex problems in Computer Vision, Natural Language Processing and Speech Domains with higher accuracy and better generalization characteristics much like human brain?

- ☒ Deep Learning
- ☐ Regression
- ☐ Classification
- ☐ Clustering

Warning

This operation is disabled.

Machine Learning algorithm/techniques learns from the patterns in the given training data and stores its learning in a ____.

- ☒ Model
- ☐ Feature
- ☐ Matrix
- ☐ Database Table

Warning

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Stacy is a budding data scientist who is in charge of building a machine learning model for an online retail store to recommend products for its customers. Can you help her decide the correct sequence of steps to be followed for this model building exercise?

- ☒ Data Collection, Data Preprocessing & Exploration, Feature Engineering, Model Training, Model Evaluation, Model Tuning & Debugging, Model Deployment
- ☐ Data Collection, Model Training, Model Evaluation, Model Tuning & Debugging, Model Deployment
- ☐ Data Collection, Model Training, Feature Engineering, Model Evaluation, Model Tuning & Debugging, Model Deployment
- ☐ Data Collection, Model Training, Data Preprocessing, Feature Engineering, Model Evaluation, Model Tuning & Debugging, Model Deployment

Warning

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You are required to build an AI solution that can extract and digitize the customer information from the Know Your Customer (KYC) forms. Which of the following AI techniques can be applied for stated problem?

- ☐ Object detection
- ☐ Speech
- ☒ Natural Language processing
- ☐ Planning

Warning

This operation is disabled.

Which of the following AI technologies are used in automated inspection and cost estimation step in the Insurance claim business process?

- ☒ Computer Vision and Deep Learning
- ☐ Speech
- ☐ Chatbots
- ☐ Natural Language Processing

Warning

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Which of the following is a machine learning technique?

- ☐ Supervised
- ☐ Unsupervised
- ☐ Reinforcement
- ☐ Deep Learning
- ☒ All the given options

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Which of the following tasks in Machine Learning (ML) process involves training the chosen machine learning algorithm with the training data?

- ☐ Feature Engineering
- ☒ Model development
- ☐ Model Validation
- ☐ Model Deployment

Warning

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Which of the following is/are the advantages of leveraging AI technologies?

- ☐ Creation of new business lines
- ☐ Competitive advantage
- ☐ Cost reduction, increased productivity, process automation
- ☐ AI centered innovations of products and processes
- ☒ All of the given options

Warning

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Which of the following are the different aspects of AI?

- ☐ Computer Vison
- ☐ Speech
- ☐ Natural Language processing
- ☐ Machine Learning / Deep Learning
- ☒ All the given options

Which of the following is an example of a classification problem?

- ☐ Predicting the credit limit of a credit card applicant
- ☐ Predicting the food delivery time
- ☒ Predicting whether the transaction is fraudulent
- ☐ Predicting the bike rental numbers for a given day

Warning

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Lucy and her team are designated to build a prediction model that is required to predict the probability of a mechanical system breakdown, based on its system vibration and operating temperature. Which of the following machine learning algorithm is best suited for such predictions?

- ☒ Logistic Regression
- ☐ Linear Regression
- ☐ Support Vector Machine(SVM)
- ☐ KMeans Clustering

Warning

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James has been assigned with the responsibility to develop AI based face mask detection solution to identify if employees are wearing face mask in the office campus. Which of the following AI techniques is best suited for stated problem?

- ☒ Computer Vision
- ☐ Speech
- ☐ Natural Language processing
- ☐ Planning

Warning

This operation is disabled.