1 Customer Segmentation for Marketing Strategy

Given a dataset containing customer demographics and purchase history, how can we group customers based on their similarities to tailor marketing strategies?

- ( ) Supervised Learning
- (•) Unsupervised Learning

Submitted Correct!

🐞 Report issue

2 Anomaly Detection in Network Traffic

How can we identify unusual patterns or anomalies in network traffic that may indicate a security breach, without having prior labeled examples of such incidents?

- ( ) Both options are possible
- (•) Unsupervised Learning
- ( ) Supervised Learning

Submitted Correct!

🐞 Report issue

3 Predicting Housing Prices based on Features

Given historical data on housing prices and features such as location, size, and amenities, can we build a model to predict the prices of new houses?

- ( ) Unsupervised Learning
- (•) Supervised Learning
- ( ) Both options are possible

Submitted Correct!

🐞 Report issue

4 Predicting Customer Satisfaction for an E-commerce Website

Given customer feedback data on an e-commerce website where customers can rate their satisfaction on a scale from 1 to 5, should we model this problem as a classification or a regression task?

- ( ) Regression problem
- ( ) Classification problem
- (•) Both options are possible

Submitted Correct!

5 You are a healthcare researcher aiming to identify potential subgroups of patients based on their medical records to personalize treatment plans. How could unsupervised learning be utilized to uncover distinct patient clusters with similar medical profiles, allowing for more targeted and effective healthcare interventions?

- ◉ Unsupervised learning can segment patients into clusters based on their medical records, revealing distinct subgroups without using any predefined labels.
- ○ Unsupervised learning can classify patients into predefined categories based on their medical records.
- ○ Unsupervised learning can only be used if the dataset contains labeled patient groups.
- ○ Unsupervised learning is not applicable in this scenario, and supervised learning should be used instead.

Submitted   Correct!

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6 You are an e-commerce manager and want to predict whether customers are likely to make a purchase during their website visit. How can supervised learning be applied to develop a predictive model that helps classify customers into 'potential buyers' and 'non-buyers' based on historical data and labeled purchase information?

- ◉ Supervised learning can be employed to classify customers into groups based on their purchase history and other features, allowing for targeted marketing strategies.
- ○ Supervised learning can only be used if the purchase data is anonymized and doesn't contain labels.
- ○ Supervised learning requires an unsupervised learning pre-processing step to classify customers effectively.
- ○ Supervised learning is not suitable for this scenario, and unsupervised learning should be used instead.

Submitted   Correct!

🐞 Report issue