Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE 100%

Identifying Machine Learning Techniques

LATEST SUBMISSION GRADE

100%

1. **What type of machine learning is the spam filter on your email platform that automatically sends suspicious emails to your spam folder?** 1 / 1 point

- Unsupervised Learning
- Reinforcement Learning
- Supervised Learning

Correct

Great job! Spam filters are an example of supervised learning because they are trained on emails labelled as 'spam' or 'not spam' to produce a model that will input a new email and decide whether or not it is spam.

2. **What type of machine learning is the Optical Character Recognition system that scans envelopes to determine their destination?** 1 / 1 point

- Unsupervised Learning
- Reinforcement Learning

Correct

Great job! Image classifiers are an example of supervised learning because they are trained on thousands of pictures labelled as 'cat' or 'not cat'. The classifier can then look at a new, unlabelled image, and label it as 'cat' or 'not cat'.

4. **What type of machine learning is a system that predicts the retail value of a new house on the market?** 1 / 1 point

- Supervised Learning
- Reinforcement Learning
- Unsupervised Learning

Correct

Great job! Online recommender systems are an example of unsupervised learning because the system learns from unlabelled data. The system uses information about your profile or purchases and finds similar purchases to suggest.

6. **What type of machine learning is a system that clusters data in order to detect anomalies that could indicate instances of fraud?** 1 / 1 point

- Supervised Learning
- Reinforcement Learning
- Unsupervised Learning

Correct

system develops a policy for playing the game by playing that game many, many times (while receiving a reward signal based on the score).

8. **What type of machine learning is a system that explores a maze until it finds an optimal solution to get to the finish line?** 1 / 1 point

- Unsupervised Learning
- Planning
- Reinforcement Learning
- Supervised Learning
- Search

Correct

Great job! A system that explores a maze to optimize the route to a finish line is an example of reinforcement learning because the system develops a policy for how to best complete the maze based on its exploration of the maze and the reward signal it receives when it reaches the finish line.