

[Course](#)

[Progress](#)

[Dates](#)

[Discussion](#)

 [Course](#) / [Module 7: Machine Learning Algorithms Notes](#) / [Test Your Knowledge](#)



< Previous

 

Next >

Review Questions

 Bookmark this page

Instructions for Review Questions

1. Time allowed: **Unlimited**
- We encourage you to go back and review the materials to find the right answer
2. Attempts per question:
- One attempt - For True/False questions
 - Two attempts - For any question other than True/False
3. Clicking the "**Submit**" button when it appears under each Question, means your submission is **FINAL**. You will **NOT** be able to resubmit your answer for that question ever again
4. Check your grades in the course at any time by clicking on the "**Progress**" tab

Question 1

1/1 point (graded)
Which machine learning approach requires labelled data ?

☐ Unsupervised Learning

☐ Reinforcement Learning

☒ Supervised Learning

☐ All of the above



Submit

You have used 1 of 2 attempts

Question 2

1/1 point (graded)
What is the primary purpose of linear regression ?

☐ To predict categorical outcomes

☒ To fit a curve that best represents the relationship between variables

☐ To compute probabilities in binary classification

☐ To analyze unstructured data like text



Submit

You have used 1 of 2 attempts

Question 3

1/1 point (graded)

What is the purpose of optimization in machine learning algorithms ?

- ☐ To increase the computational power
- ☒ To minimize the loss function and improve accuracy
- ☐ To collect more data
- ☐ To simplify the algorithm



Submit

You have used 1 of 2 attempts

Question 4

1/1 point (graded)
An S-curve typically starts with a rapid increase, then levels off and becomes almost constant.

- ☒ True
- ☐ False



Submit

You have used 1 of 1 attempt

Question 5

1/1 point (graded)
Which learning algorithm is most commonly associated with connectionist models and was popularized in the 1980s ?

- ☐ Support Vector Machines (SVM)
- ☐ Naïve Bayes
- ☒ Backpropagation (BP)
- ☐ K-nearest neighbors

Submit

You have used 1 of 2 attempts

Your answers were previously saved. Click 'Submit' to grade them.

