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Course > Week 3 > Weekly Quiz, Readi... > Week 3 Quiz

Week 3 Quiz

Question 1

1/1 point (ungraded)

The K-means algorithm is one of the most popular supervised machine learning algorithms

O True		
● False ✔		

1 Answers are displayed within the problem

Question 2

Submit

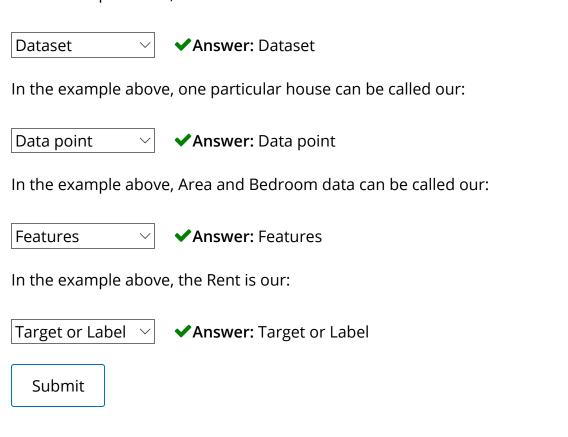
4/4 points (ungraded)

You would like to predict rent for a house based on the area (measured in square feet) and the number of bedrooms it has. For your machine algorithm to learn, you have compiled the following training data:

	Area	Bedrooms	Rent
House 1	1,500	2	\$1,000
House 2	2,000	3	\$2,500
House 3	1,800	2	\$2,000

As you recall from the SageMaker/ML Terminology video, prediction models use input (Features) to determine output (Target). We are using this data to predict rent for a new house.

In the example above, the entire table of house information can be called our:



1 Answers are displayed within the problem

Question 3

1/1 point (ungraded)

Which of the following models represent supervised learning algorithms? Select two.

☑ Classification ✔
□ Clustering
☐ Association Rules
☑ Regression ✔
Submit
Answers are displayed within the problem
Question 4 1/1 point (ungraded) Which statement is true about hyperparameter tuning?
 Hyperparameter tuning is an unsupervised machine learning regression problem.
O Hyperparameter tuning does not require any input values.
 Hyperparameter tuning uses regression to choose the best values to test.
O Hyperparameter tuning is a guaranteed way to improve your model.
Submit

Answers are displayed within the problem	Answers are	displayed	within	the	problem
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Question 5

1/1 point (ungraded)

Linear learner and XGBoost algorithms can be used in supervised learning models such as regression and classification.

● True	
○ False	
Submit	
Answers are displayed within the problem	

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