Test Canvas: Quiz1

The Test Canvas lets you add, edit, and reorder questions, as well as review a test. More Help

Question Settings

You can edit, delete, or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description	Multiple choice quiz
Instructions	Time: 60 minutes
Total Questions	10
Total Points	10
Number of Attempts	25

Select: All None Select by Type: - Question Type -

Delete and Regrade Points Update and Regrade Hide Question Details

Points: 1

1. Multiple Choice: Which of the following best captures ...

Question	Which of the following best captures what machine learning is?
Answer	It is a way to teach people how computers solve problems.
	✓ It is a way for computers to learn how to relate inputs and outputs in a given problem by looking at examples.
	It is a way to develop algorithms that can solve large and difficult problems.

None of the above.

Points: 1

2. Multiple Choice: What is a spam filter an example of?

Question	What is a spam filter an example of?
Answer	Reinforcement learning.
	Regression.
	✓ Supervised learning.
	Unsupervised learning.

Points: 1

3. Multiple Choice: If a model is used to predict whether...

Question	If a model is used to predict whether a certain day will be rainy or sunny, what type of machine learning is this?
Answer	✓ Classification.
	Regression.
	K nearest neighbors.
	None of the above.

Points: 1

4. Multiple Choice: If a model is used to predict how man...

Question	If a model is used to predict how many millimeters of rain to expect on a given day, what type of machine learning produced this model?

Answer	Unsupervised learning
	Reinforcement learning
	Classification
	✓ Regression

Points: 1

5. Multiple Choice: Which problems have been successfully...

Question	Which problems have been successfully addressed using machine learning?
Answer	Recognition of handwritten postal codes
	Filtering out spam emails
	Autocompletion of English sentences in certain emailing systems
	✓ All of the above

Points: 1

6. Multiple Choice: What features might be used by a reco...

Question	What features might be used by a recommender system?
Answer	The number of stars a user gives a book on an online bookstore
	The number of times a person plays a particular song on iTunes
	Whether or not a person comments on a social media post
	✓ All of the above

Points: 1

7. Multiple Choice: In the iris problem we discussed, wha...

Question	In the iris problem we discussed, what are the features?
Answer	The diameter of the and height of the stalk.
	The colours of the flower
	✓ The lengths and widths of the sepals and petals.
	All of the above

Points: 1

8. Multiple Choice: Which of the following is a classific...

Question	Which of the following is a classification task?
Answer	✓ Distinguishing loan applicants who are likely to pay back from those who are a big risk for the bank.
	Predicting the price of a house given its age, size and proximity to amenities.
	Detecting unusual transactions on a customer's credit card.
	Predicting the species of an iris flower given other flowers of known species.

Points: 1

9. Multiple Choice: The k nearest neighbors algorithm is ...

Question	The k nearest neighbors algorithm is an example of:
Answer	✓ Instance-based learning
	Model-based learning

	Unsupervised learning
	None of the above

Points: 1

10. Multiple Choice: Which of the following is true of the...

Question	Which of the following is true of the k nearest neighbors algorithm?
Answer	You should use one neighbor to make the algorithm run faster.
	The best performance is with exactly 3 neighbors.
	✓ If one neighbor is used and the data contains outliers, some instances will be misclassified.
	Accuracy is not significantly affected by the number of neighbors.

Select: All None Select by Type: - Question Type -

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