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Lab Check

Answer the following questions to prove you have completed the lab successfully.

You have a maximum of **one** attempt to answer each question correctly. After you submit your answer, you will be unable to change it. Your scores from all labs will be combined to determine your overall grade for the course.

If you have any questions about grading or specific questions, please post them in the course discussion forum. However, please avoid posting any information that will reveal answers to your fellow students. In the event of a dispute, the decision of the course staff is final.

Question 1

2.0/2.0 points (graded)

In the lab, you created a machine learning web service to predict lemonade sales and tested it in Excel Online.

Note: *It's important to ensure that you have followed the lab instructions carefully, using only the configuration settings specified. Using other settings may result in predictions that are different from the expected lab results.*

What predictions did you obtain for lemonade sales today and tomorrow with the following data, in which the number of flyers distributed is 100.

Date	Day	Temperature	Rainfall	Flyers	Price
Today's date	Today	37.6	0.8	100	0.3
Tomorrow's date	Tomorrow	41.2	1.02	100	0.3

Your answers must be accurate within 0.01

Predicted sales for today:

19.0026911886766



19.0026911886766

Predicted sales for tomorrow:

18.7538190620589



18.7538190620589

Submit

You have used 1 of 1 attempt

Question 2

2.0/2.0 points (graded)

In the lab, you created and evaluated a classification model to predict whether a day will be profitable or not.

What **two** effects does changing the threshold have on the model evaluation metrics?

- ☒ Increasing the threshold results in fewer false positives but more false negatives.
- ☐ Increasing the threshold results in fewer false negatives but more false positives.
- ☐ Decreasing the threshold results in fewer false positives but more false negatives.
- ☒ Decreasing the threshold results in fewer false negatives but more false positives.



Submit

You have used 1 of 1 attempt

Question 3

1/1 point (graded)

In the lab, you trained a clustering model and reviewed the cluster assignments generated from the training data.

To which cluster was customer 1 (Marva Cardenas) assigned?

☐ 0

☒ 1 ✓

☐ 2

☐ 3

Submit

You have used 1 of 1 attempt

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