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Homework 1.1

Question 1

1/1 point (graded)

A restaurant chain is planning to enter a new country, and is trying to decide which cities to establish outlets in. They collect the following four pieces of data to help with this analysis. Identify which one of the four is primary data.

- ☐ Per-capita income level of each city, obtained from the country's census organization.
- ☐ Wage rates for workers in the restaurant sector in each city, obtained from a national business organization.
- ☐ Data about how frequently residents of each city eat at restaurants, obtained from a table published in an article in a restaurant industry trade magazine.
- ☒ Awareness levels of the restaurant chain's brand, obtained from a live survey conducted by employees of the restaurant chain. ✓

Submit

You have used 2 of 2 attempts

Question 2

1/1 point (graded)



REO Holdings is a real-estate company that buys and sells commercial real estate. It conducts many types of data analysis as part of its business operations. Which of the following is an example of diagnostic analytics?

- ☒ Examining past data to discover key drivers of the most profitable transactions. ✓
- ☐ Categorizing past transactions to report annual profit margins.
- ☐ Estimating the profit margin when existing real estate holdings are sold.
- ☐ Deciding which properties to buy in the next quarter given the limited budget.

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Question 3

1/1 point (graded)

In discussions of big data, what does the term “Veracity” refer to?

- ☐ The data may be too large to store on any single computer.
- ☐ The data may come in at very high speed, and thus change very often.
- ☒ The data may not always be true or accurate. ✓
- ☐ The data may not easily generate business value.

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Question 4



1/1 point (graded)

In our Analytics Value Escalator framework, which of the following includes the tools of machine learning and classification?

☐ Descriptive Analytics

☐ Diagnostic Analytics

☒ Predictive Analytics ✓

☐ Prescriptive Analytics

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You have used 2 of 2 attempts

THE NEXT SEVERAL QUESTIONS ARE WITH THE HR DATA SET. IT IS BEST IF YOU COMPLETE THE FOLLOWING QUESTIONS IN SEQUENCE. THE URL FOR THE DATA SET CAN BE FOUND BELOW:

https://docs.google.com/spreadsheets/d/1ub_0Y5CEj2HtKO6bgb8OlvMIG81Wca0r_q8G70OKUTc/pub?gid=1709232748&single=true&output=csv

Question 5

1/1 point (graded)

Set up a new AzureML experiment. As in the class module, create a box to import the data, and connect the output to a box which summarizes the data. Once you have completed your experiment and have verified that it runs successfully, check the box below.

☒ Check box to confirm that you've completed set-up of the experiment.



Submit

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Question 6

1/1 point (graded)

Visualize the results from the Import Data box in your HR experiment. The satisfaction level of the third employee in the dataset is equal to what?

☒ 0.11 ✓

☐ 0.20

☐ 0.44

☐ 0.69

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You have used 2 of 2 attempts

Question 7

1/1 point (graded)

How many total rows of data are in the dataset?

☐ 10

☐ 1,891

☒ 14,999 ✓

☐ 221,000



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You have used 2 of 2 attempts

Question 8

1/1 point (graded)

Next, visualize the results from the Summarize Data box. How many unique values exist for the last_evaluation variable?

☐ 92

☒ 65 ✓

☐ 6

☐ 215

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Question 9

1/1 point (graded)

What is the maximum value of the number_project variable?

☐ 1

☒ 7 ✓

☐ 10

☐ 310



Submit

You have used 2 of 2 attempts

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