





PROMPT

Refer to the data table below and identify 2 (two) anomalies or unexpected behaviors, that would lead you to believe the transaction may be suspect. (2 marks)

In the case of johnp, for the transaction with the higher transaction value, the IP address is different from their previous purchases. The latest purchase is missing an ip address. This might indicate the last 2 purchases were made by another user

 In the case of ellend, there is a discrepancy in IP address between their older purchases and most recent purchase. The shipping address is also different from their older purchases. Finally, based on limited information, their purchase pattern is a bit different in which their earlier purchases were bit dimerent in winnin their earlier prichases were for clothing & beauty supplies which is less than \$100 but the more recent purchase is for a laptop costing almost \$5000. This may indicate a mismatch in purchase pattern and may indicate fraudulent purchase.

RUBRIC

Did the learner identify 2 anomalies, or unexpected behaviors, that would lead them to believe the transaction may be suspect?

Some of anomalies in the provided data set

- Significantly higher Transaction Value where Shipping Address has been changed from home/office address to P.O. Box.
- Higher Transaction Value and increased frequency of transactions.
- IP Address change and significantly higher Transaction Value.
- IP Address change and Shipping Address

- 2 points
 Correct. The learner identified 2 anomalies or unexpected behaviors that would lead them to believe the transaction may be suspect.
- 1 point Partially Correct. The learner identified 1 anomaly or unexpected behavior that would lead them to believe the transaction may be suspect.
- 0 points Incorrect. The learner did not identify an anomaly or unexpected behavior.

Briefly explain your key take-away from the provided data visualization chart. (1 mark)



The visualization depicts the transaction value per transactions for the three customers (johnp, davidg, ellend). From the line graph, we can see that there is a sharp rise in transaction amount for johnp and ellend for their later transactions which could indicate an anomaly in their spending habits.

Did the learner explain a key take-away from the data visualization chart?

The visualization depicts the transaction values per transaction for all three users. The **key take-away** from this visualization is the sharp rise in the transaction values for users johnp and ellend, which may be indicative of an anomaly.

Note: It is OK for the learners to answer this in

- 1 point
 Correct. The learner provided a key take-away.

 RA
- 0 points The learner did not provide any key take-away

Identify the type of analysis that you are performing when you are analyzing historical credit card data to understand what a fraudulent transaction looks like.

Hint: The four types of Analytics include: Descriptive, Diagnostic, Predictive, Prescriptive, (1 mark)

The type of analysis that we are performing is

Did the learner identify the type of analysis that they are performing when they are analyzing historical credit card data to understand what a fraudulent transaction looks like?

T point
Correct. The learner identified
'Descriptive Analytics' as the type
of analysis that they are performing
when they are analyzing
historical credit card data
to understand what a fraudulent
transaction looks like.

0 points Incorrect. The learner did not identify the type of analysis as 'Descriptive Analytics'.

Start new attempt

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