

PROMPT

List at least 5 (five) data points that are required for the analysis and detection of a credit card fraud. (3 marks)

Card holder/ customer Id

Transaction date

Transaction time

Transaction value

Shipping address

RUBRIC

Did the learner list 5 or more data points out of the 8 data points listed below that are required for the analysis and detection of a credit card fraud?

1. Card holder / Customer Id
2. Transaction date
3. Transaction time
4. Transaction value
5. Shipping address
6. IP address
7. Device model
8. Location



3 points

Correct. The learner listed 5 or more data points out of the 8 data points listed below that are required for the analysis and detection of a credit card fraud.

1. Card holder / Customer Id
2. Transaction date
3. Transaction time
4. Transaction value
5. Shipping address
6. IP address
7. Device model
8. Location



OMPT

fer to the data table below and identify 3 (three) errors/issues that could impact the accuracy of your findings. (3 marks)

ID	User ID	Account Number	Age	Shipping Address	Transaction Date	Transaction Type	Transaction Value	Product Category	Units Purchased
123.0	johnp	25871147	32	1245, Orchard Lane, WA 98706, US	15-01-20	15-01-20	\$121.58	Clothing	1
123.0	johnp	25871147	32	1245, Orchard Lane, WA 98706, US	10-01-20	10-01-20	\$79.23	Electronics	2
123.0	johnp	25871147	32	1245, Orchard Lane, WA 98706, US	1-01-20	07-12-19	\$1.45	Home Decor	1
16.52.7	johnp	25871147	32	in-store	9-01-20	01-12-19	\$1,309.99	Electronics	10
16.52.7	johnp	25871147	32	in-store	10-01-20	01-12-19	\$4,131.00	Electronics	15
167.2	denisy	154121789	47	80 Robinson Blvd, Atlanta, GA 30303, Canada	01-06-2020	01-06-2020	\$9,212.50	Tools	10
167.2	denisy	154121789	47	80 Robinson Blvd, Atlanta, GA 30303, Canada	13-May-2020	17-02-20	\$234.20	Furniture	1
167.2	denisy	154121789	47	80 Robinson Blvd, Atlanta, GA 30303, Canada	01-May-2020	19-12-19	\$141.00	Kitchen Supplies	3
167.2	denisy	154121789	47	80 Robinson Blvd, Atlanta, GA 30303, Canada	01-June-2020	17-04-19	\$157.15	Car Spares	2
167.2	denisy	154121789	47	80 Robinson Blvd, Atlanta, GA 30303, Canada	13-June-2020	19-02-20	\$19.99	Kitchen Supplies	1
88.18.1	etihad	11598818		P.O. Box 1833	07-June-2020	18-10-19	\$99.99	Clothing	1
88.18.1	etihad	11598818		P.O. Box 1833	08-June-2020	17-10-19	\$53.15	Beauty	1
235.03	etihad	11598818		P.O. Box 1833	02-July-2020	06-09-19	\$4,895.00	Laptop	1

Missing transaction value

Date format inconsistency

Missing IP address

RUBRIC

Did the learner identify at least 3 errors/issues that could impact the accuracy of the findings?

Some of the issues that could impact the accuracy of findings include:

- Missing transaction value
- Missing IP Address
- Date format inconsistency

3 points
Correct. The learner identified 3 errors/issues that could impact the accuracy of the findings.

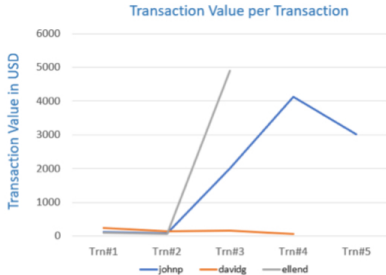
2 points
Partially Correct. The learner identified at least 2 errors/issues that could impact the accuracy of the findings.

1 point
Partially Correct. The learner identified 1 error/issue that could impact the accuracy of the findings.

0 points
Incorrect. The learner did not identify any error/issue.

PROMPT

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



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.

RUBRIC

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 their own words.

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

SH

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

PROMPT

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 performed in Descriptive analysis

RUBRIC

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?



1 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'.