Instructions My submission Discussions

# Credit Card Fraud Analysis

Submitted on January 24, 2023

Shareable Link

## **PROMPT**

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

Anomalies in:

## IP Address

- 2. Shipping Address
- 3. Transaction Date 4. Transaction Time
- 5. Transaction Value

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?

- Card holder / Customer Id
- Transaction date
- Transaction time
- Transaction value Shipping address
- IP address
- Device model
- 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. Card holder / Customer Id

- Transaction date 2.
- - Transaction time
  - Transaction value
- Shipping address IP address
- Device model 7.

2 points

Location

- points out of the 8 data points listed below that are
- required for the analysis and detection of a credit card fraud. Card holder / Customer Id

Partially Correct. The learner listed 3 to 4 data

- Transaction date 2.
- Transaction time 3.
- Transaction value
- IP address

Device model

Shipping address

Location

1 point

- required for the analysis and detection of a credit card fraud. Card holder / Customer Id Transaction date

points out of the 8 data points listed below that are

Partially Correct. The learner listed 1 to 2 data

- Transaction time
- Transaction value
  - Shipping address
- Device model

IP address

0 points Incorrect. The learner did not list any data points

the accuracy of the findings?

Location

analysis and detection of a credit card fraud.

out of the 8 data points Ithat are required for the

## 556.1250 juhny 216/114/ 32 Jahren 25671147 32 3.56.123.0 johny 25671147 92

1.186.52.7

(a)mp 21671147 32

PROMPT

davidy 51422789 47 00 Rebinson Blvd, Alberta, 97602, Canada 158.167.2 18 May 2020 10.12.45 \$141.00 Kithoon Supplies devidg 51422789 47 90 Rabinson Blvd, Alberta, 97603, Canada devidg 51422789 47 90 Rabinson Blvd, Alberta, 97602, Canada

Refer to the data table below and identify 3 (three) errors/issues

19-5-20

10-6-70

\$121.56

10:23:10

07.12.45

18:02:10

that could impact the accuracy of your findings. (3 marks)

1542, Orchid Lame, WA 98705, US

1542, Orchid Lane, WA 98705, US

1542, Orchid Line, WA 98705, US

P.O. Box 1322

1. Missing IP Address 2. Missing Transaction Value	Missing IP Address	Missing IP Address	172,165,10.1	ellend	11508528	P.O. Sox 1322	08 June 2020	17:15:50	553.15	Deauty	1
		2. Missing Transaction Value	1.167.255.10	elland	11568528	P.O. Bux 5401	02 July 2020	00.05.10	\$4,895.00	Laptop	1
		2. Missing Transaction Value									
		2. Missing Transaction Value									
		2. Missing Transaction Value									
		2. Missing Transaction Value									
		2. Missing Transaction Value	1 1	Missi	ng ID Ad	Idross					
2. Missing Transaction Value	2. Missing Transaction Value		1.	VIISSI	ng IP Ad	laress					
Missing Transaction Value	Missing Transaction Value										
		3. Transaction Date format	2.	Missi	ng Trans	saction Value					

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

RUBRIC

Missing transaction value Missing IP Address

Did the learner identify at least 3 errors/issues that could impact

3 points Correct. The learner identified 3 errors/issues that

errors/issues that could impact the accuracy of the

could impact the accuracy of the findings.

2 points Partially Correct. The learner identified at least 2

findings.

error/issue.

Date format inconsistency

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

Did the learner identify 2 anomalies, or unexpected behaviors,

Some of anomalies in the provided data set include:

that would lead them to believe the transaction may be suspect?

Significantly higher Transaction Value where Shipping

Address has been changed from home/office address to

## johnp 25671147 32 1542, Orchid Lanc, WA 98705, US 1186527 devidg 51422789 47 90 Robinson Blvd, Alberta, 97602, Carada duvidg 51422789 47 90 febinson Blvd, Alberta, 97602, Canada 158.167.2

1.58.167.2

172,165,10.1

172,165,10.1

3591230

**PROMPT** 

1. A sudden increase in transaction value and units

2. Suspicious IP address and Shipping Address

Refer to the data table below and identify 2 (two) anomalies or

10-6-20

18 May 2020

08 June 2020

10:23:10

19.12.45

17:15:30

579.23

\$141.00

\$53.15

unexpected behaviors, that would lead you to believe the

1542, Orchid Lane, WA 98705, US

1542, Orchid Lane, WA 98705, US

O Robinson Blvd, Alberta, 97603, Canada

P.O. Box 1322

P.O. Box 1322

transaction may be suspect. (2 marks)

devidg 51422789 47 90 Rebinson Blvd, Alberta, 97602, Canada

Johnp 238/1147 32 Johns 25671147 32

ellend 11568528

purchased

# Higher Transaction Value and increased frequency of

P.O. Box.

transactions.

RUBRIC

IP Address change and significantly higher Transaction Value.

IP Address change and Shipping Address change

**Note:** It is OK for the learners to answer this in their own words.

MA

MA

MA

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

Incorrect. The learner did not identify an anomaly

believe the transaction may be suspect.

RUBRIC

visualization chart?

1 point

0 points

or unexpected behavior.

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.

Did the learner explain a key take-away from the data

Correct. The learner provided a key take-away. 0 points The learner did not provide any key take-away

**Note:** It is OK for the learners to answer this in their own words.

**PROMPT** 

Transaction Value in USD

**PROMPT** 

visualization chart. (1 mark)

6000

5000

4000

3000

2000

1000

in short period of time

Trn#1

fraudulent transaction looks like.

Predictive, Prescriptive. (1 mark)

Descriptive analytics

davidg -ellend

Trn#3

A significant increase in transaction value from johnp and ellend

Identify the type of analysis that you are performing when you

are analyzing historical credit card data to understand what a

Hint: The four types of Analytics include: Descriptive, Diagnostic,

Comments left for the learner are visible only to that learner and the person who left the comment.

Report an issue

Trn#4

Trn#5

Trn#2

Briefly explain your key take-away from the provided data

Transaction Value per Transaction

# RUBRIC Did the learner identify the type of analysis that they are

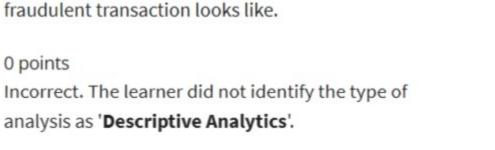
performing when they are analyzing historical credit card data to understand what a fraudulent transaction looks like? 1 point

Correct. The learner identified 'Descriptive

performing when they are analyzing

**Analytics**' as the type of analysis that they are

historical credit card data to understand what a



Start new attempt

## RK Share your thoughts...

Comments

ے Like Dislike