

IBM_Assignment 1

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October 10, 2021

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

- (1) IP Address
- (2) User ID
- (3) Shipping Address
- (4) Transaction Date
- (5) Transaction Value

2. Identify 3 (three) errors/issues that could impact the accuracy of your findings, based on a data table provided. (3 marks)

- (1) Inconsistencies in the transaction dates
- (2) Missing Transaction Values
- (3) Missing IP addresses

3. Identify 2 (two) anomalies, or unexpected behaviors, that would lead you to believe the transaction may be suspect, based on a data table provided. (2 marks)

- (1) High transaction value w/ a different IP address + Shipping address
- (2) Sudden high transaction values w/ increased activity on the account

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

Answer: User IDs johnp, and ellend both had a tremendous increase in their transaction values; while User ID davidg did not. This could be indicative that the accounts of User IDs johnp, and ellend may be experiencing fraud.

5. 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)

Answer: Descriptive Analysis