

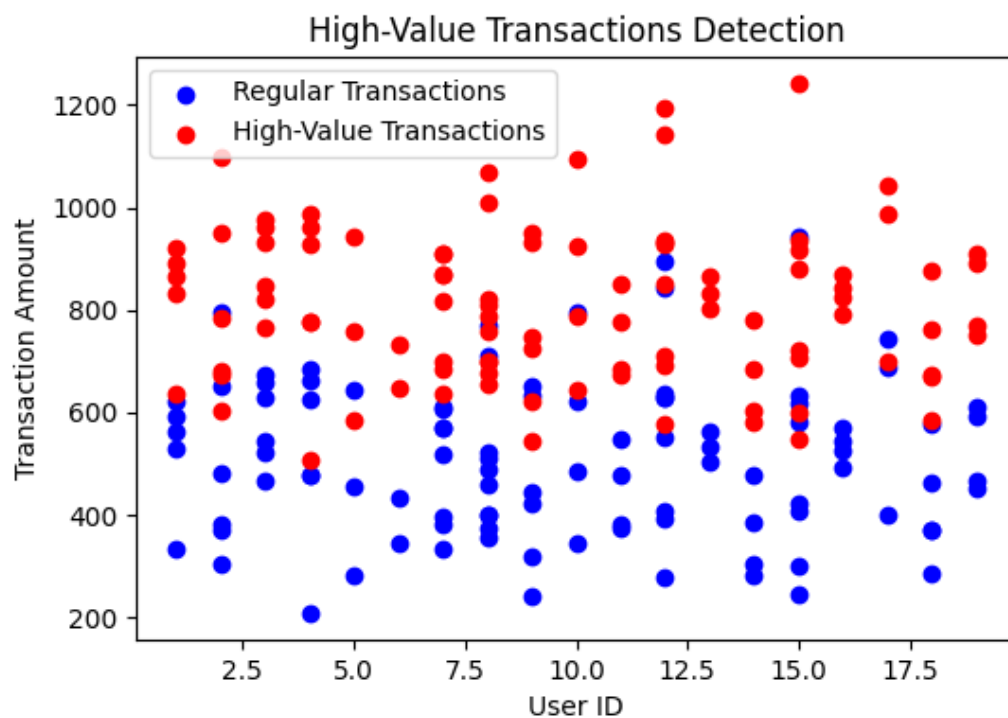
Fraud Detection Case Analysis Presentation

1. High-Value Transactions Analysis

Code Explanation:

- We use a scatter plot to display transaction values across users.
- Red dots indicate high-value transactions exceeding twice the user's average.
- Purpose: Highlight unusually large transactions that may indicate suspicious activity.

Visualization:

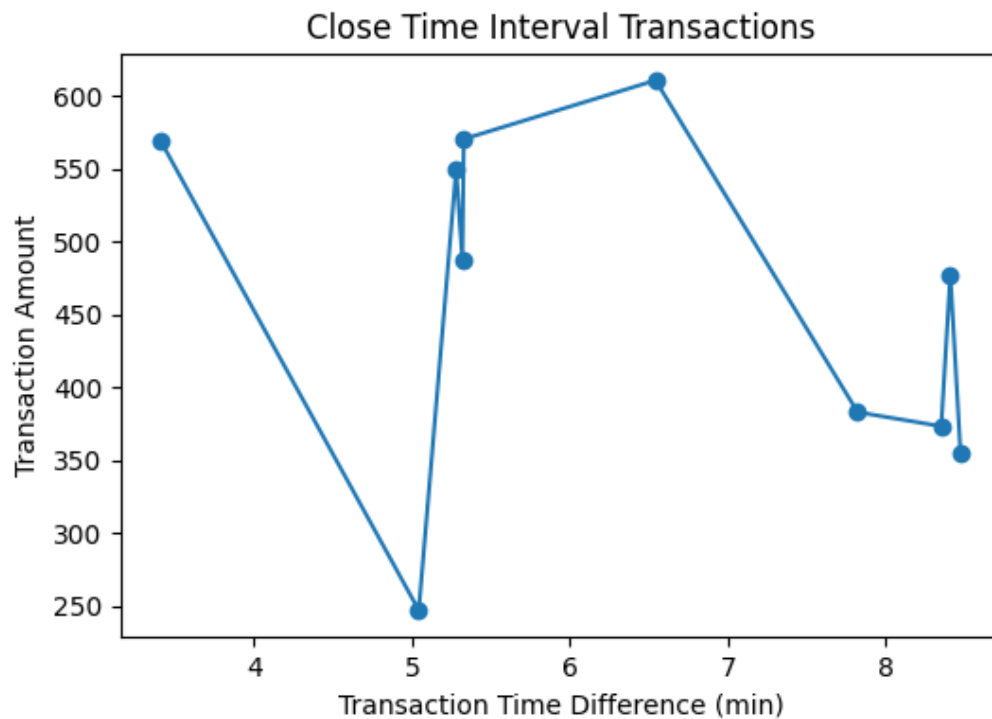


2. Close Time Interval Transactions Analysis

Code Explanation:

- This line plot shows transaction amounts over time differences within close intervals.
- Quick successive transactions can indicate abnormal behavior.

Visualization:

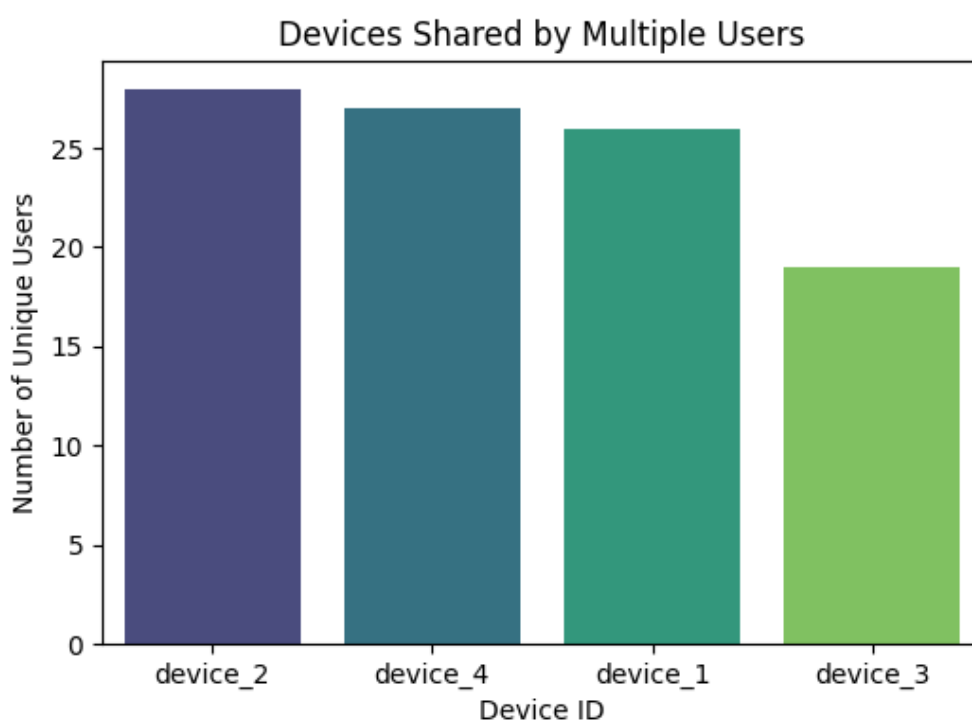


3. Shared Device Usage Analysis

Code Explanation:

- This bar chart displays the number of unique users accessing each device.
- Shared devices suggest potential fraud hotspots, like public terminals or compromised devices.

Visualization:



4. Multiple Cards Analysis

Code Explanation:

- This bar chart displays the number of unique users using multiple cards.
- Multiple cards suggest potential fraud hotspots.

Visualization:

