**Group 10**

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Project Proposal

For the group project, our group is using second-hand data from Kaggle. The dataset is “Credit Card Transactions Fraud Detection Dataset” (<https://www.kaggle.com/datasets/kartik2112/fraud-detection?select=fraudTrain.csv>), which is a simulated dataset containing legitimate and fraudulent credit card transactions from 2019 to 2020. The data contains transaction of 1000 customers and 800 merchants. Each transaction includes customer details, the merchant and category of purchase, and whether or not the transaction was a fraud.

The dataset contains 23 columns. Some of the properties include transaction date, customer name, merchant name, amount of transaction, location of purchase, etc. By analyzing the data, we look forward to finding out the types of purchases that are most likely to be instances of fraud and whether older customers are more likely to be victims of credit card fraud.