Milestone 4

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**Description**

We have chosen to modify previous work to try to obtain higher accuracy by creating new models using the same data. We chose to use the Credit Card Fraud dataset below:

<https://www.kaggle.com/datasets/dhanushnarayananr/credit-card-fraud>

The code base we started with was originally loaded by user Matt OP below:

<https://www.kaggle.com/code/mattop/credit-card-fraud-classification-knn-dtree-rf>

**Modifications**

1. Improved visualization of category relevance to fraud:

A picture containing bar chart

Description automatically generated

1. Update how to rebalance for oversampling:

Original:

Text

Description automatically generated

Chart, pie chart

Description automatically generated

Update:

Graphical user interface, text, application

Description automatically generated

Chart, pie chart

Description automatically generated

1. Run an MLP model

Graphical user interface, text, application, email

Description automatically generated