

Project Proposal

Project : Credit Card Fraud Detection

Dataset: <https://www.kaggle.com/mlg-ulb/creditcardfraud>

Question/need:

I want to use this dataset to create a model for credit card fraud detection using machine learning algorithms.

Data Description:

The dataset contains transactions made by credit cards in September 2013 by European cardholders.

This dataset presents transactions that occurred in two days, where we have 492 frauds out of 284,807 transactions. The dataset is highly unbalanced, the positive class (frauds) account for 0.172% of all transactions.

It contains only numerical input variables which are the result of a PCA transformation.

Tools:

pandas, numpy, matplotlib, seaborn, train_test_split, LogisticRegression, tensorflow, classification_report, accuracy_score

MVP Goal:

The goal of this project is to better understand which factors are most important to detect fraud for credit card.