Literature Review: Credit Card Fraud detection using Machine Learning and Deep Learning models

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Introduction

Frauds perpetrated in digital payments, and in particular using credit cards, are a constant threat to users and cause damages for billions of dollars every year.
It is therefore important to have a secure system that allows users to use their credit cards in absolute safety; for this it is necessary to have an efficient system of fraud detection in real time.
I will analyze some research that uses different methods of Machine Learning and Deep Learning for the implementation of models that can detect fraud attempts in real time.

Detection of Anomalies in Large-Scale Accounting Data using Deep Autoencoder Networks[1]

They use Deep Learning techniques using AutoEncoders

For anomalies detection in an accounting system.(Sengupta et al., 2020)
It's not based on credit card dataset (different sytem, less history
For transactions etc.)

End-to-end neural network architecture for fraud scoring in card payments[2]

Generative Adversarial Network for Oversampling Data in Credit Card Fraud Detection[3]

Asdf[4]

asdf[5]