Credit Card Fraud Detection Assessment

Department: Computer Science

Course: CS513-A(Knowledge discovery and data mining)

Group Members

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Abstract

It's no surprise, online fraud has been a growing problem for past few years. Credit card fraud impacts consumers, merchants, and issuers alike. So, preventing fraud of this kind is important purpose for both consumers and merchants. Either way it is loss for the company. We aim to develop a classification model to predict the credit card frauds occurring nowadays.

Dataset Reference

Reference of our dataset is Kaggle. We are adding link as reference to datasets we will be using

https://www.kaggle.com/mishra5001/credit-card

We have application_data.csv with attributes such as INCOME, NAME_EDUCATION_TYPE, AMT_CREDIT, AMT_GOODS_PRICE and more 122 columns in application data set. If we are intended to see the patterns and variations, we can use the PREVIOUS_APPLICATION data set also to get more insights.!

Method Selection

The selected this data set as our assignment and will be trying to perform various methods on dataset which will be EDA, Decision Tree, KNN, Naïve Bayes, Support Vector Machines (SVM) etc., We will be using several important columns. We will select some of these important columns and try to find fraud detection with one dependent variable 'TARGET'.