



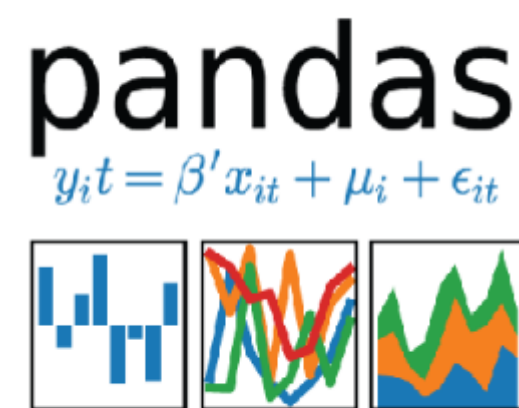
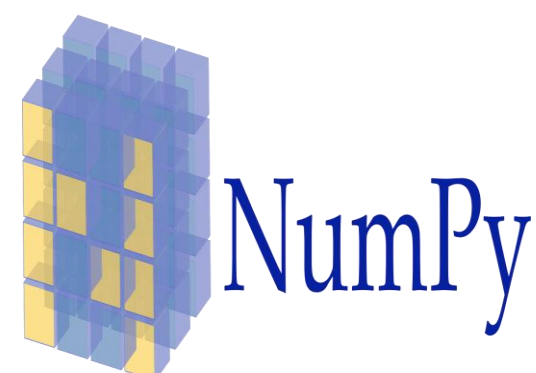
# Development of Business Intelligence outlier and financial crime analytics system for predicting and managing Fraud in financial payment services.

Guneet Kaur  
MSc in Financial Technology

## Problem:

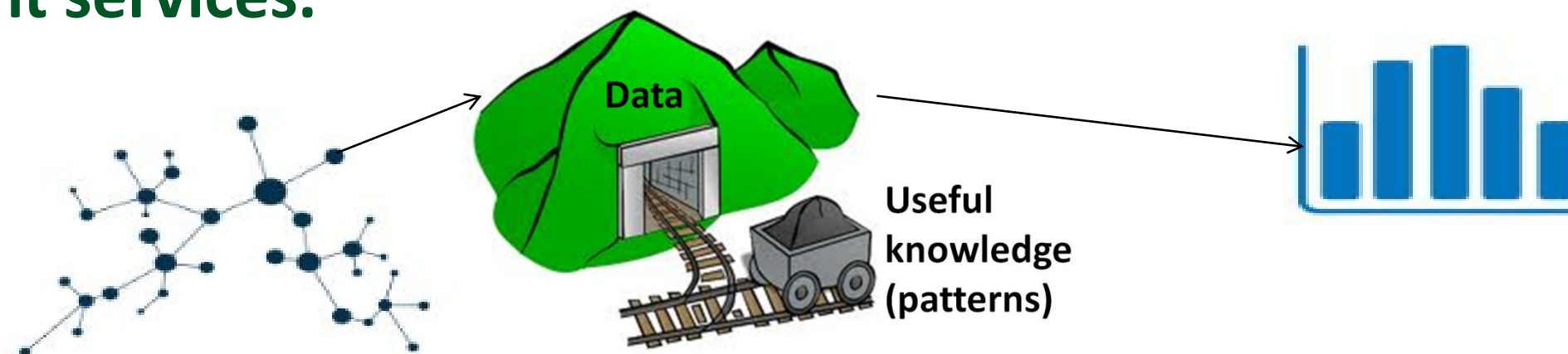
This project investigates methods to detect fraud in financial payment services due to rising risk of digital financial fraud. Financial payment services have a vital role in moving money around the economy. Since ancient times, many ways have been developed to transfer value between two or more people from barter system of exchange to precious metals (like gold), to paper based money and now electronic value transfer systems (such as mobile money) which along with being an efficient tool for bank transactions, also poses a great deal of threat in terms of financial fraud both for the service providers and the customers. Hence, fraud detection and prevention is vital for preventing the devastating consequences of financial fraud by minimizing the effects of unauthorized transactions upon:

- An organization's capability in terms of customer service delivery.
- Bottom line expenditure.
- Business reputation.



## Objective:

This project aims to apply data mining or machine learning algorithms to make effective use of the synthetic dataset generated using the simulator called PaySim (a financial mobile money simulator) to build data-driven financial crime detection system for financial payment services.



## Data & Methods:

