



Mobile Transaction – Fraud Detection

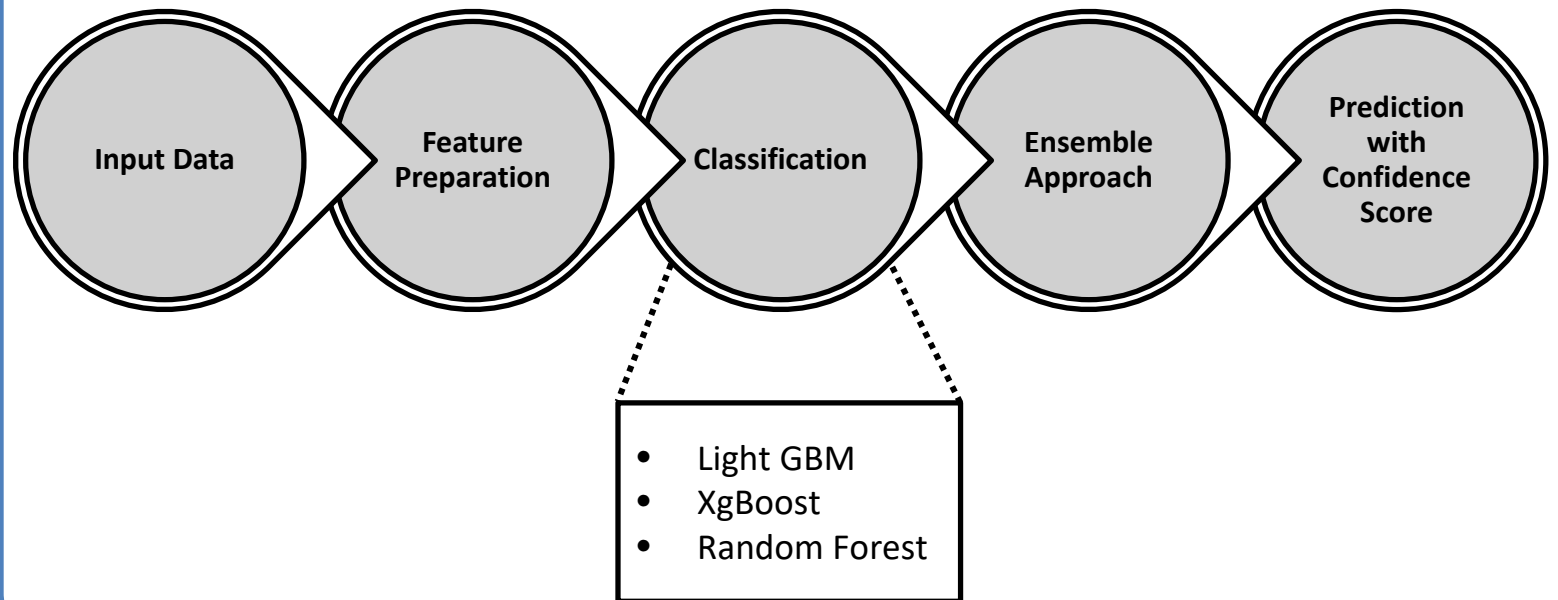
Problem Statement

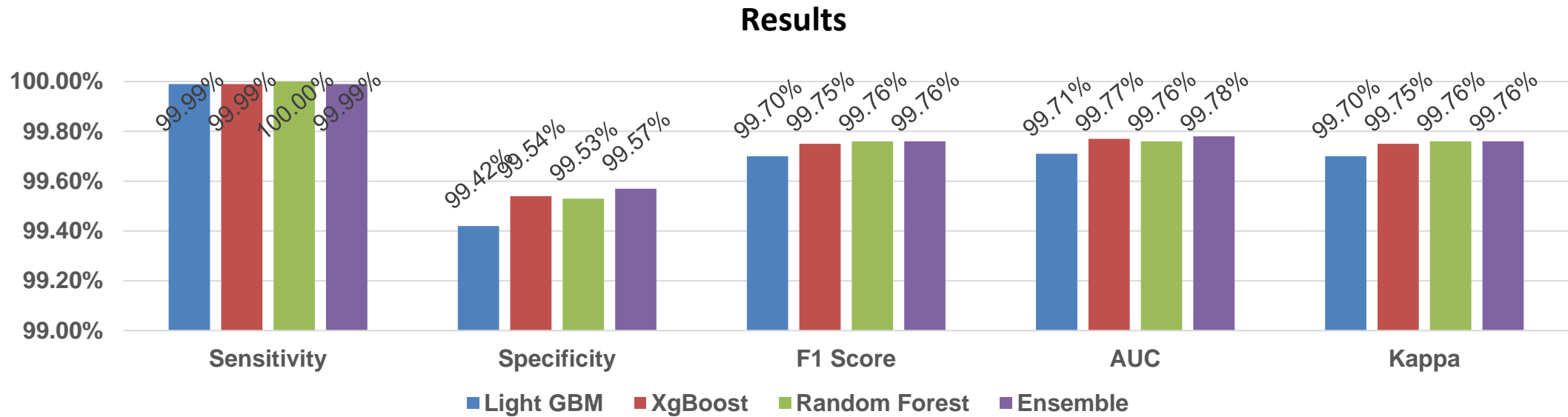
Predict the probability of fraud involved in mobile money transactions

Dataset

- Simulated mobile transaction dataset using PaySim
- 6.3+ Million samples
- 11 features such as type of transaction, balance of sender/receiver before/after transaction, etc.
- This includes 0.1% of fraud cases

Methodology





Observations

- Ensemble approach performs best in order to detect fraud cases.
- Model failed only for 35 fraud cases out of 8213 to predict correctly.