Problem Statement Worksheet (Hypothesis Formation)

What can a business do to have a credit card detection systems be more precise in predicting fraud or non fraud transactions while avoiding the false positives?

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1 Context

Credit card fraud is one of the most if not the most common form of identity theft. By providing a more precise way in detecting fraud transactions will help improve credit card issuers and banks security measures.

2 Criteria for success

- Accurately predicting if a transaction is fraud or not and avoiding any false positives.

3 Scope of solution space

- Having a model be precise in predicting fraud or non fraud transactions while avoiding false positives.

4 Constraints within solution space

- Cash Payments
- Limited dataset and limited detection period
- No true data due to GDPR

5 Stakeholders to provide key insight

- Head of Machine Learning
- CTO
- Vice President
- President
- CEO

6 Key data sources

- Data set from kaggle

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