

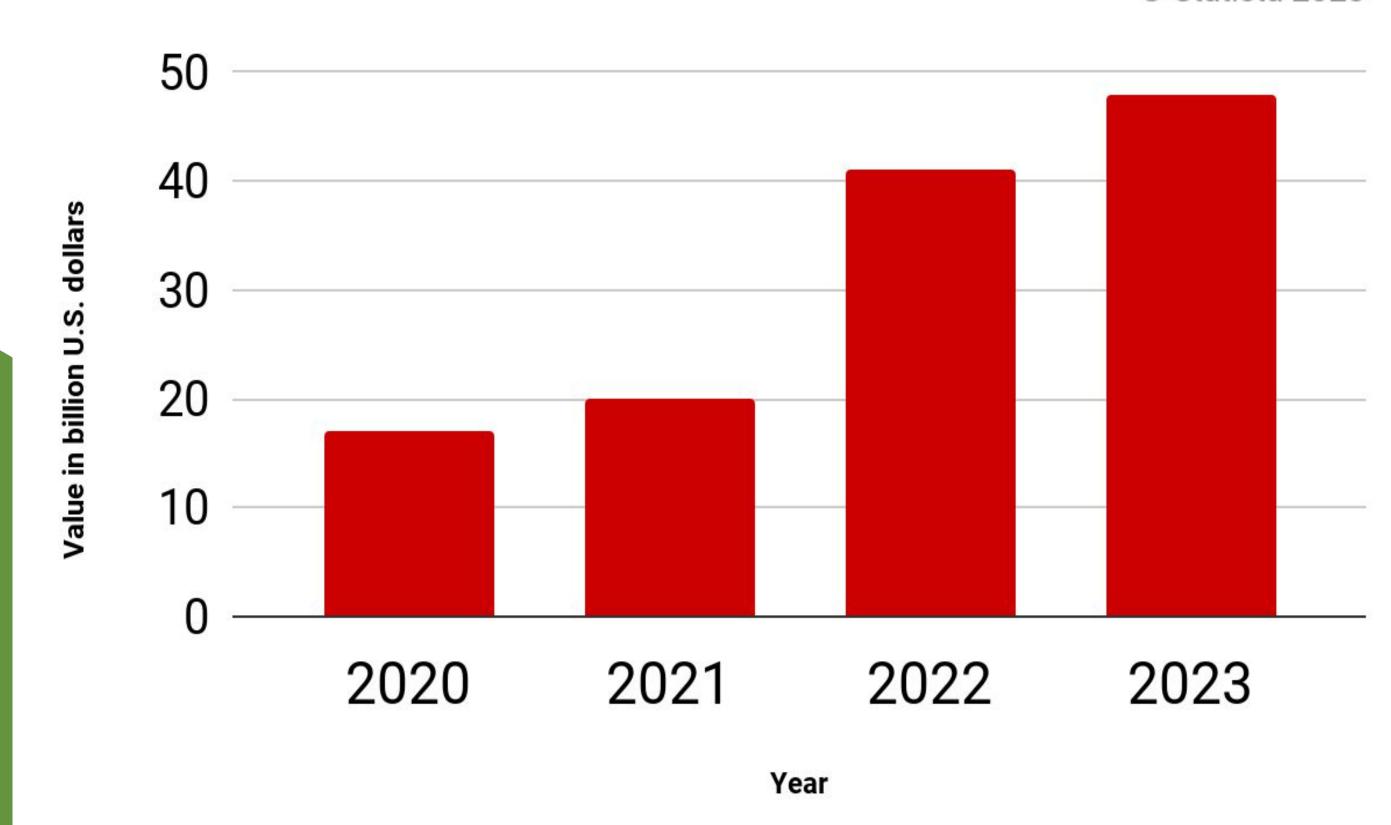
Brenda De Leon





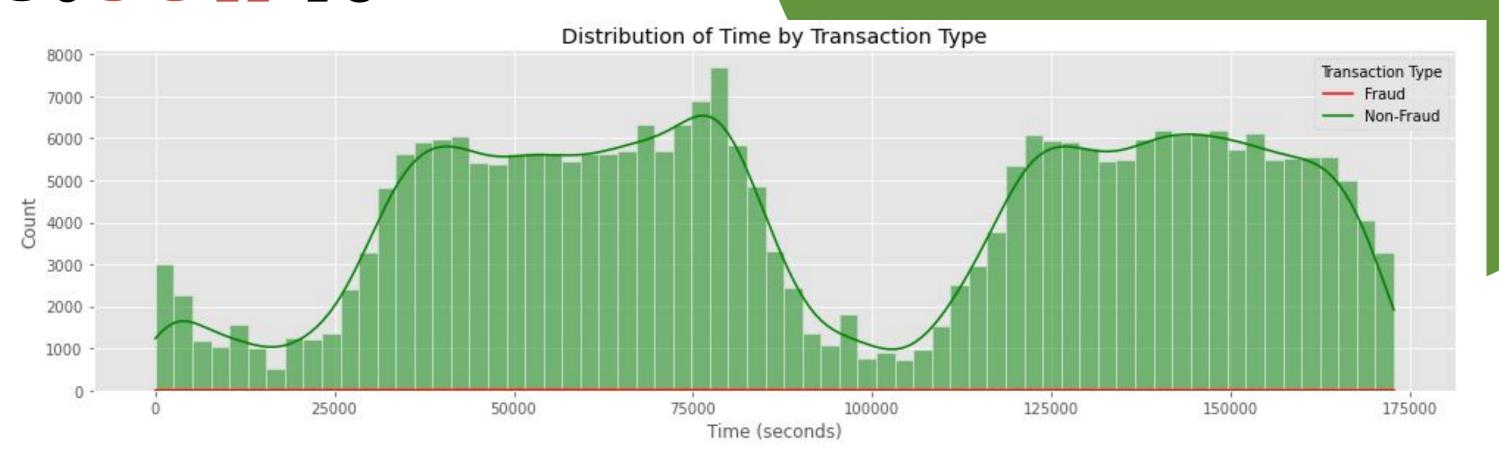
Value of E-Commerce Losses to Online Payment Fraud Worldwide

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Proportion of Fraudulent Transactions:

0.0017%





NON-FRAUD

45,053

FLAGGED NON-FRAUD

267

UNDETECTED FRAUD

8

FRAUD

68

NON-FRAUD

4,266

FLAGGED NON-FRAUD

41,054

UNDETECTED FRAUD

1

FRAUD

75

Additional Benefits:



Protection from Legal Implications



Building Trust



Additional Benefits:



Value of Quick Fraud Detection



Competitive Advantage



Future Work:





Features

Take a closer look at the features that showed possible multicollinearity. Use feature importance to improve our model, removing those features with lower scores.

Data

More data could significantly improve our prediction ability.

Cost-Sensitive Learning

Use example dependent cost sensitive learning to weigh the cost of misclassification based on the transaction amount.

Thonsol









brendardeleon@gmail.com

Brenda De Leon Data Scientist