

Credit Card Fraud Detection

Capstone Project 3

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Main objective

**IS IT POSSIBLE TO
PREDICT CREDIT CARD
FRAUDS BASED ON
COSTUMERS' HABITS?**

Main objective

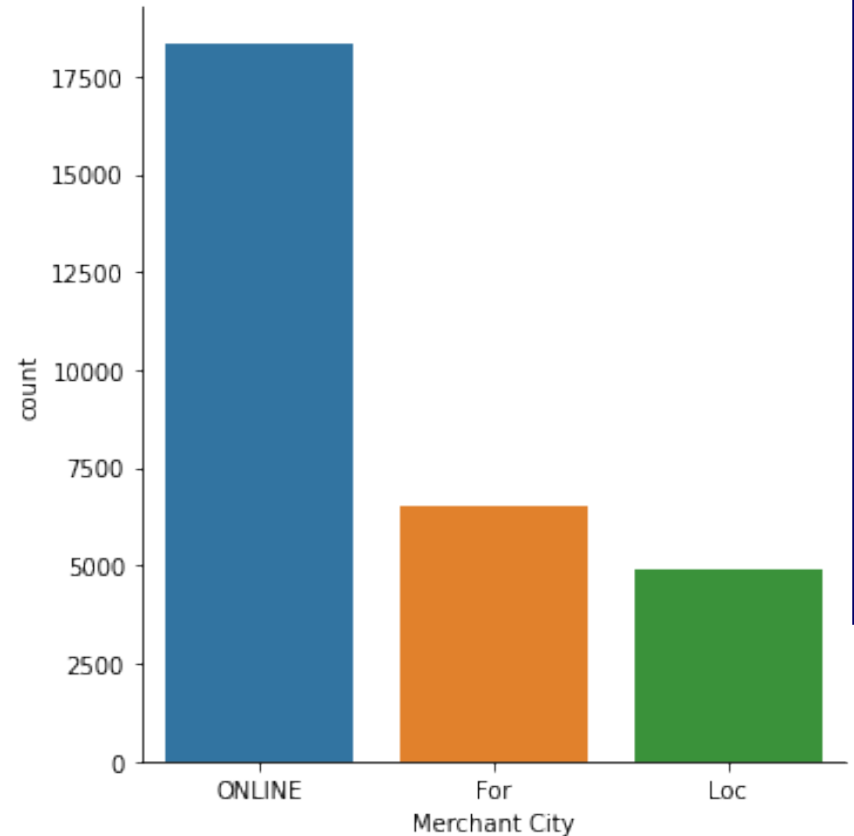
Why should we care?

Increasing number of credit card transactions.

Increasing online transactions.

What we know about Credit Card frauds

More than half the frauds are online.



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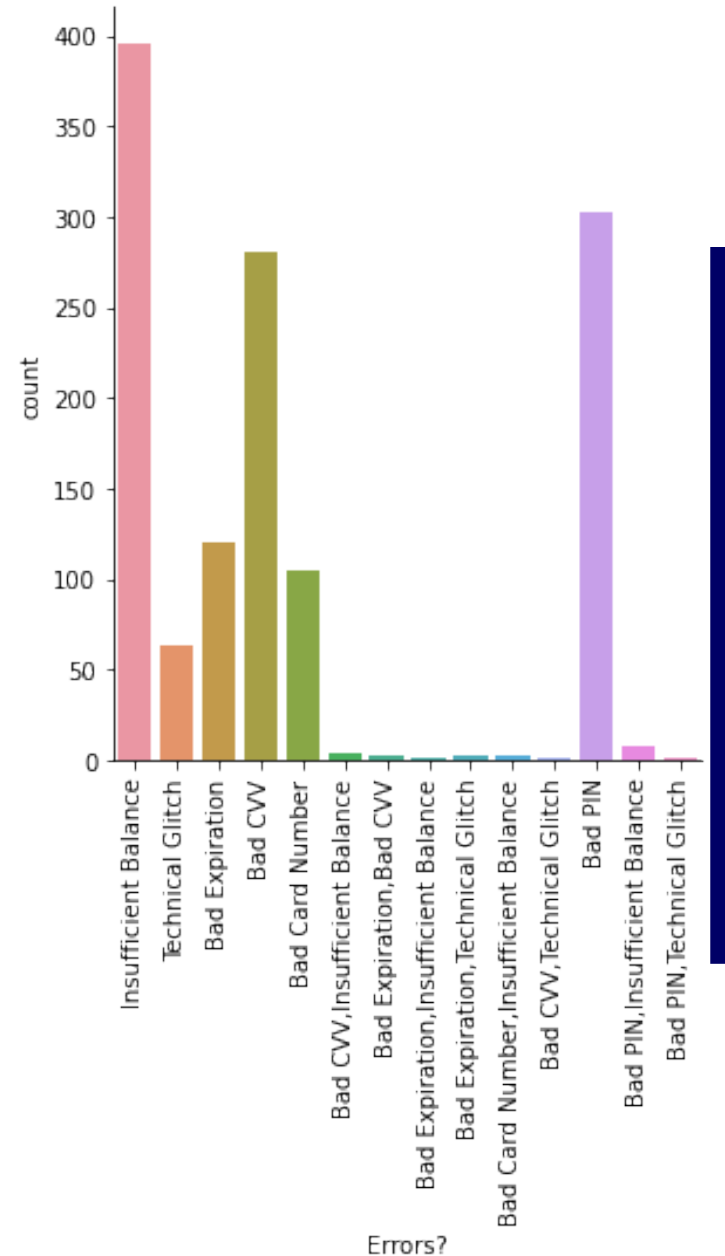
General features

Associated errors:

Insufficient balance

Bad CVV

Bad PIN

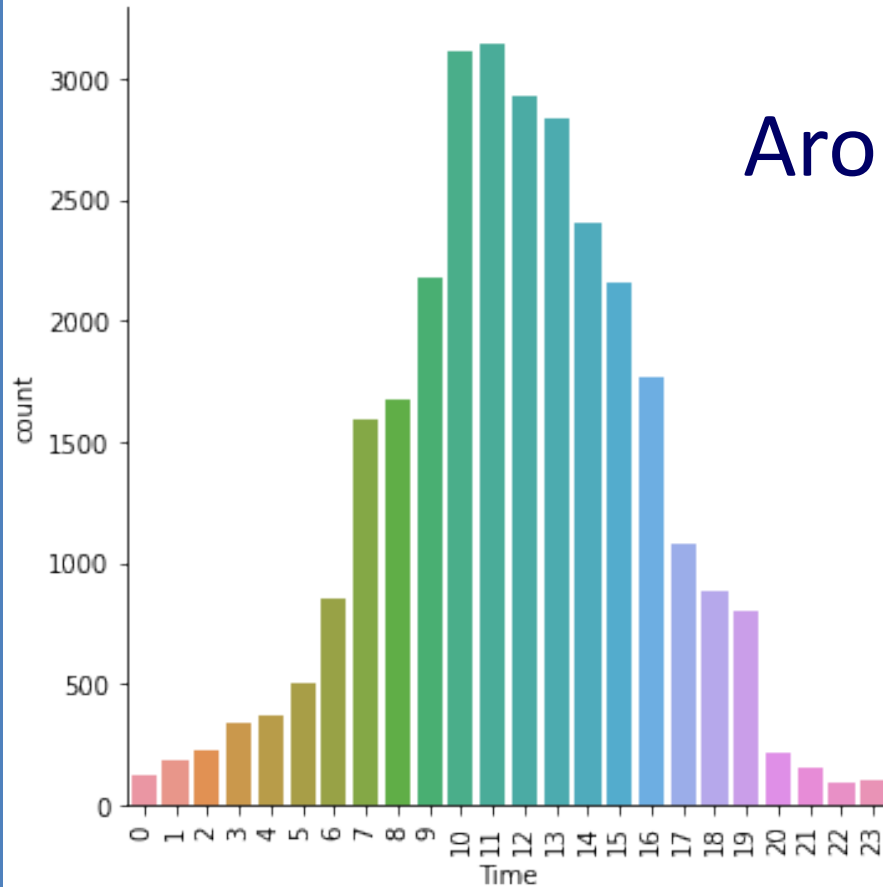


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Customer's features

What time?

Around 12:00 pm



Methodology

Logistic Regression Model
with cross validation.

Card

Month

Year

Day

Amount

Location

Use of chip

Metrics

Accuracy: 83%

F1-score:	No	85%
	Yes	79%

Precision:	No	75%
	Yes	96%

Recall:	No	97%
	Yes	67%

This prediction is useful for:

Credit card secure transactions.

Insurance companies.

Promoting online transactions