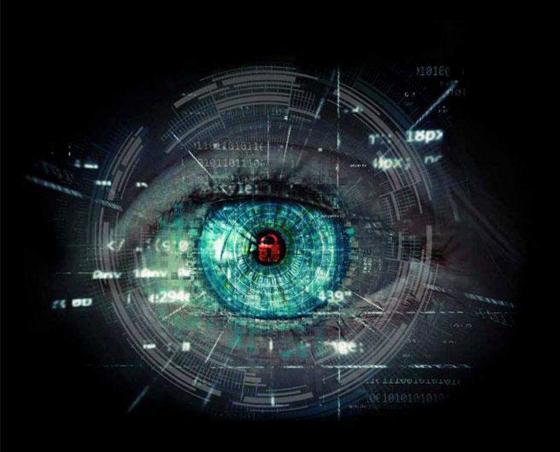
Data Science: Malicious Server Hack





Prepared By: Munira Alzhrani



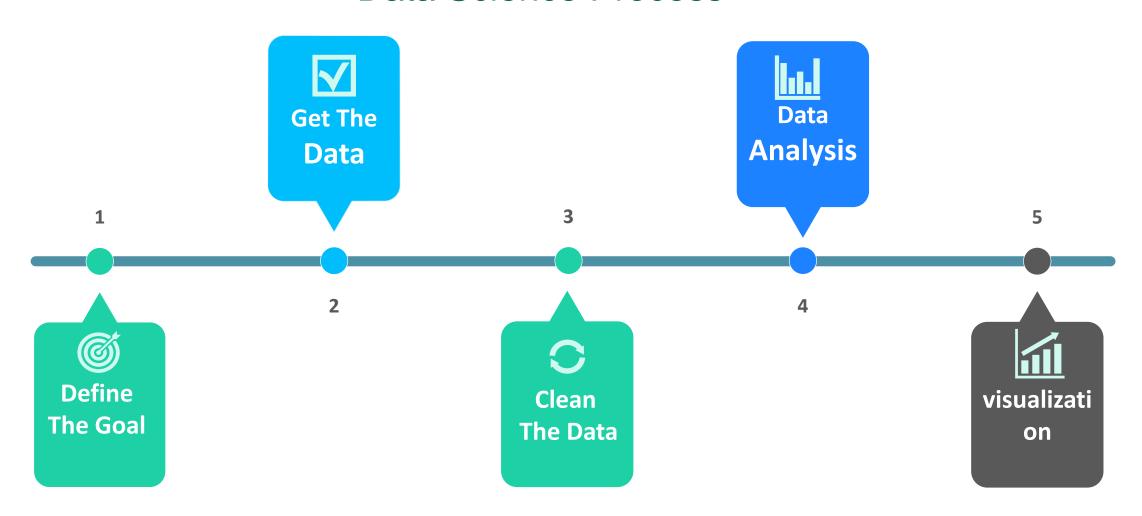
1 Introduction

Data Analysis

References

1. Introduction

Data Science Process



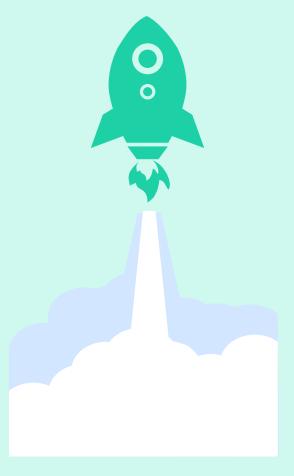
1.1 Problem Description:

All the countries across the globe have adapted to means of digital payments and with the increased volume of digital payments, hacking has become a pretty common event wherein the hacker can try to hack your details just with your phone number linked to your bank account. However, there is data with some anonymized variables based on which one can predict that the hack is going to happen.



Are you Ready
To Discover Our
Data ??





Fly With Me To Discover Our Datasets

DataSet [1]



This is a subset of the full data loaded as pandas which contains 18 features and 23856 observations

Questions



- 1- How many times has the anonymous recording?
- 2- How many hacks are there?
- 3- Which month has the most penetration?
- 4- How long has there been no penetration of server?

Data Cleaning



1-Remove the column Date, as we don't need it.

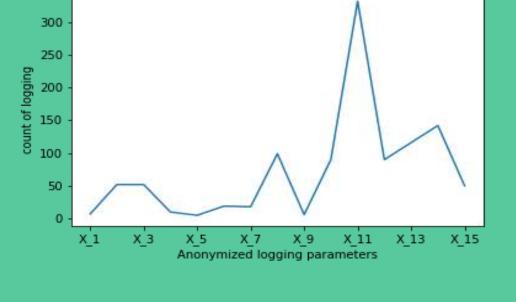
2-Verify if there are null values in the data.

3-Add a new Features.

Exploratory Data Analysis

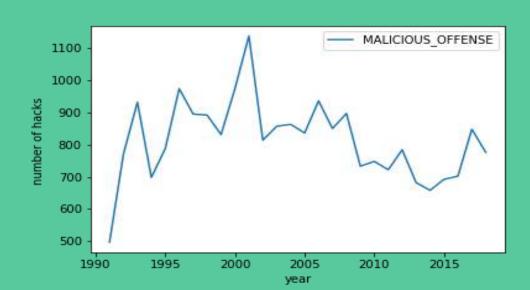


Ans: How many times has the anonymous recording?

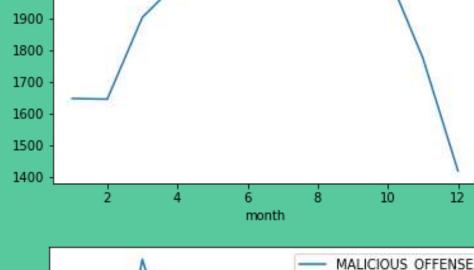


Ans: How many hacks are there?

By using Function Value_counts ()
I concluded happened 22788 hacks cases.



Ans: Which month has the most penetration?



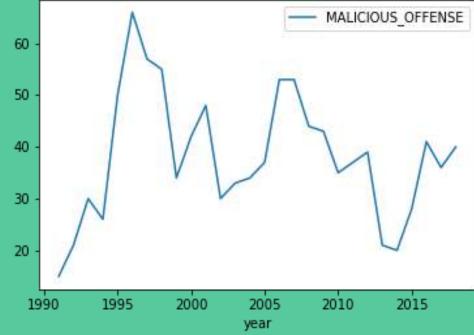
MALICIOUS_OFFENSE

2200

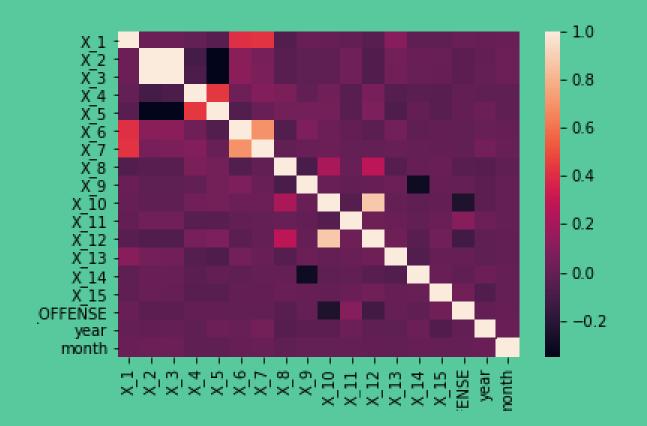
2100

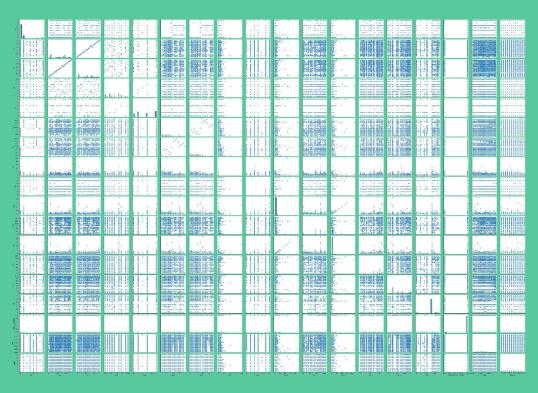
2000

Ans: How long has there been no penetration of server?



Relationships In The Data







Data Processing Pandas

Visualization Matplotlib, Seaborn

Jupyter notebook for its execution.

References

[1] https://www.kaggle.com/lplenka/malicious-server-hack



