ASHWINHARISH.P
21CS019

CYBER CRIME ANALYSIS

ABSTRACT

Cyber crime is the major problem in today's world. Also,cyber criminals are increasing day by day.We have a locker to protect our money and physical properties, but we do not have safty systems to protect the data which is most confidential to us.Anywhere and anyone in the world have a possibility to steel our data by knowing our basic details.Every year, average of 1billion of data has been stoled.These data's include hospital details, banking details, social media details,work details and etc.The sector in which data lost has been happening each year,mode of hacking and total no.of.records has been lost in each year and the companies which are failed to maintain the data confidentiality has been visualed in this presentation.So by observing the visuals we can say in which sectors the datas have been majorly breached and also we can conclud that our data is not protected completely.

Entity	Year	Records Lost	Sector	Method of Leak
Equifax	2017	14300000000	Financial	Hacked
Malaysian telcos & MVNOs	2014	46200000	Telecoms	Hacked
Weebly	2016	430000000	Web	Hacked
Yahoo	2016	320000000	Web	Hacked
Interpark	2016	10000000	Web	Hacked
ClixSense	2016	6600000	Web	Hacked
Instagram	2017	6000000	Web	Hacked
Clinton campaign	2016	5000000	Government	Hacked
Cellebrite	2017	3000000	Tech	Hacked
Viacom	2017	3000000	Web	Hacked
Bell	2017	1900000	Telecoms	Hacked
Snapchat	2016	1700000	App	Hacked
PayAsUGym	2016	300000	Web	Hacked
Wonga	2017	270000	Financial	Hacked
Malaysian medical practitioners	2015	81309	Healthcare	Hacked
Quest Diagnostics	2016	34000	Healthcare	Hacked
MySpace	2016	16400000000	Web	Hacked
Uber	2016	570000000	App	Hacked
Turkish citizenship database	2016	49611709	Government	Hacked
Banner Health	2016	3700000	Healthcare	Hacked
Linux Ubuntu forums	2016	2000000	Web	Hacked
Syrian government	2016	274477	Government	Hacked

Entity	Year	Records	Organization type	Method
21st Century Oncology	2016	2200000	healthcare	hacked
500px	2020	14870304	social networking	hacked
Adobe Systems Incorporated	2013	152000000	tech	hacked
AerServ (subsidiary of InMobi)	2018	75000	advertising	hacked
Air Canada	2018	20000	transport	hacked
Animal Jam	2020	46000000	gaming	hacked
Ankle & Foot Center of Tampa Bay, Inc.	2021	156000	healthcare	hacked
Anthem Inc.	2021	80000000	healthcare	hacked
AOL	2014	2400000	web	hacked
Apple	2021	275000	tech	hacked
Ashley Madison	2015	32000000	web	hacked
AT&T	2010	114000	telecoms	hacked
Auction.co.kr	2008	18000000	web	hacked
Bailey's Inc.	2015	250000	retail	hacked
Bell Canada	2018	100000	telecoms	hacked
Benesse	2014	35040000	educational services	hacked
Betfair	2010	2300000	web	hacked
Bethesda Game Studios	2011	200000	gaming	hacked
Blank Media Games	2018	7633234	gaming	hacked
Blizzard Entertainment	2012	14000000	gaming	hacked
2018 British Airways cyberattack	2018	500000	transport	hacked
Canva	2019	140000000	web	hacked

DESCRIPTION

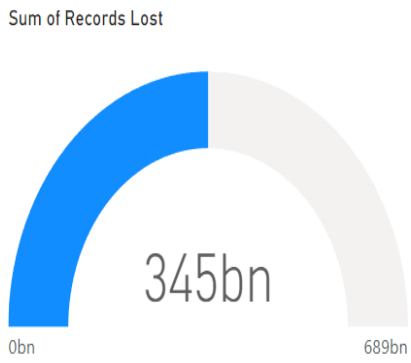
- This dataset has more than 3000 rows.
- And it has more than 25 columns.
- This sheet has many attributes such as Sector name, Year, Records lost, Organization, Organization type, Method of hacked etc.
- From this dataset we can infer total.no.of data lost, company, company type etc.
- This Dataset shows all Sector name, Year, Records lost, Organization, Organization type, Method of hacked etc.
- We can infer the data lost information by using this visual.

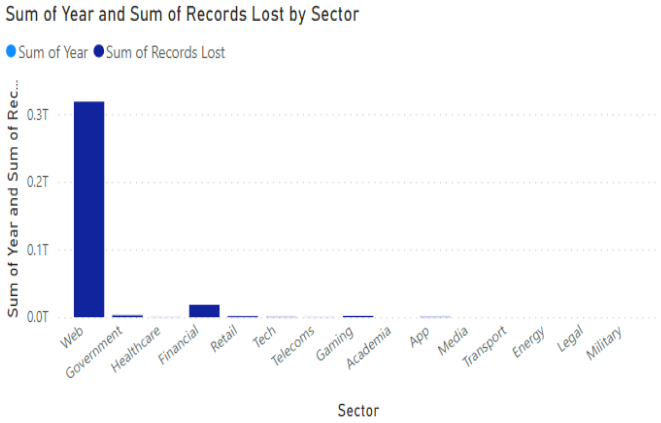
ATTRIBUTES

- Organization – Organization name such as google etc.
- Organization type –such as website,application etc
- Method of hacked – SQL Injection, DOS attack
- Banking Relationship – whether it is retail or commercial or institutional.
- Loss of data – The data which had been lost

Record lost and sectors

(30/08/2022)





Data lost per year

1)Gauge Chart:

- Create a Gauge card.
- And this card shows the amount of data lost.
- The data lost average of 1Billion.

2)Clustered Column Chart:

- Create a Clustered Column Chart.
- From this we can know the data lost.
- Data lost level are high, mid and low.
- Based on the data lost level, the visuals changes.

Estimated Data lost and companies

(06/09/2022)

Estimated Income and Fee structure

1) Pie Chart:

- Create a Pie chart
- This chart shows the all data lost,sectors,organization.
- In this chart the data lost by the organization is visualed..

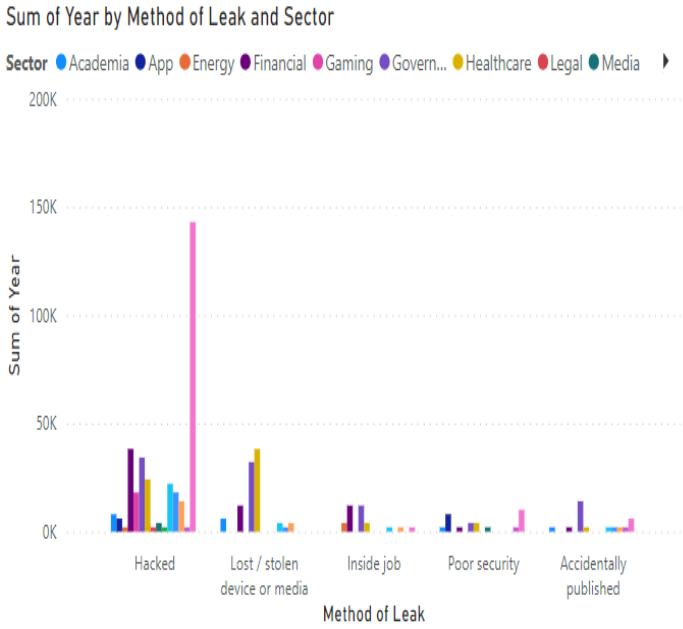
2) Stacked Column Chart:

- Create a Stacked Column Chart.
- This chart shows the year of data lost.
- The estimated data lost of all the client’s is more

Sector,Method of leak and year

(13/09/2022)

Sector	Method of Leak	Sum of Records Lost
Academia	Accidentally published	43000
Academia	Hacked	1118000
Academia	Lost / stolen device or media	4372000
Academia	Poor security	146000
App	Hacked	573400000
App	Poor security	32883959
Energy	Hacked	110000
Energy	Inside job	12900000
Financial	Accidentally published	150000
Financial	Hacked	18037670083
Financial	Inside job	234600000
Financial	Lost / stolen device or media	22534000
Financial	Poor security	125000
Gaming	Hacked	1846330755
Government	Accidentally published	21290396
Government	Hacked	659797025
Government	Inside job	4192000
Total		**344677657981**



Name & Nationality

1)Table Chart:

- Create a Table Chart.

- By using this table chart, we can infer the data lost, year and Organization type of all the client's

2)Q&A Chart:

By using this Q&A Chart. We can ask some questions.

1)Data lost

>100B

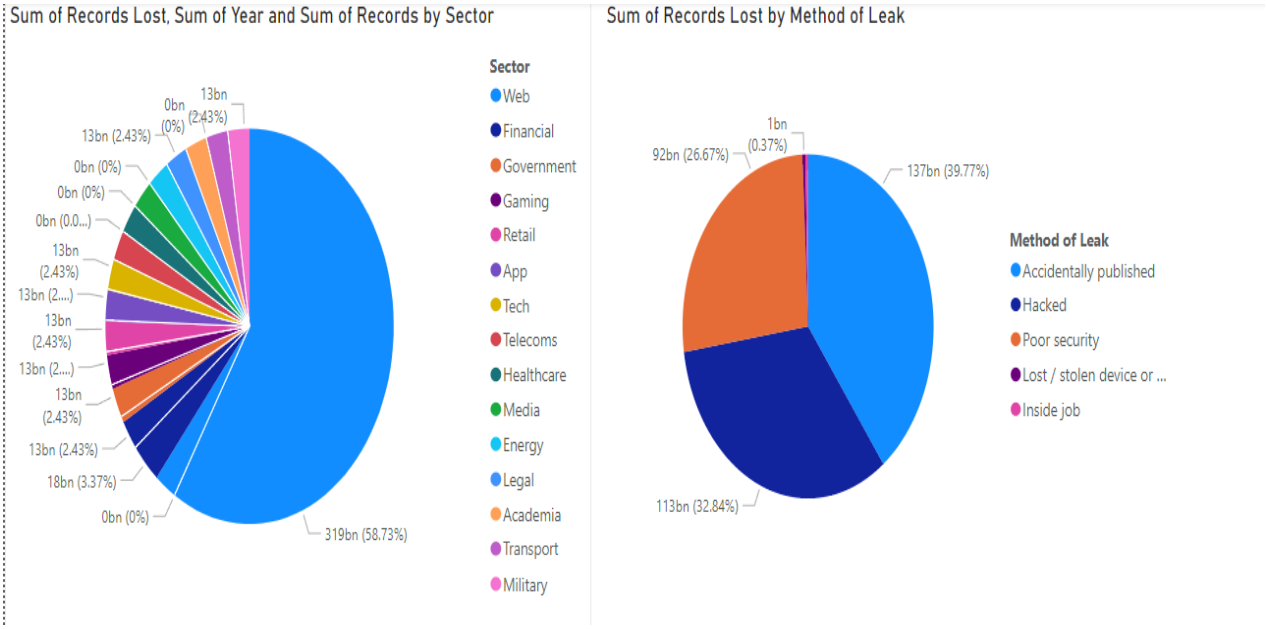
2)Average data lost

>1B

3)Our data is not secured

Sectors and organizations

(27/09/2022)



Data lost and sectors

1) CARDS

- In this visual, I have created a card and it shows the total data lost
- The total data lost is is 886 B.

2) TABLE CHART

- In this visual, I have created a table chart and it shows the estimated data lostof the clients with their respective sectors

- The total estimated data lostof all clients is 51,39,15,102.28

3) GUAGE CHART

This visual show the amount of data losts and its organizations