

# ANALYSIS OF CYBER-CRIME AND PROPOSAL FOR APPLICATION OF PERSONAL DATA AUDITING

Hrishikesh Dherange<sup>1</sup>, Prof. Chandrashekhar Kumbhar<sup>2</sup>  
B.Tech Scholar, Data Science (DS), School Of Information Technology, Pune, India<sup>1</sup>,  
Assistant Professor, Dr. Ajeenkya DY Patil University, Pune, India<sup>2</sup>

**Abstract:** ‘HIGH TECHNOLOGY AND HIGH SPEED’ that what is the need of today’s modern world .Technological inventions have always inspired mankind. World today demands for more and more in terms of knowledge. The gifts of computer and internet have affected the life of everyone in every possible way. Today, information technology is used in almost every human activity. However, such technological advancement came with its own cost in the form of cyber abuses. One of such abuses is black mailing, misuse of personal shared data on the internet. There has been diversity of opinion among the use of internet and its use. Moral and legal variations do not allow drawing the line between obscenity and decency, and thus, defining cyber crime becomes challenging task. Controlling such cyber crime in todays becomes more challenging task in the context of such variations. In the current online era, maximum information is available online and which is prone to cyber threats. There are a huge number of cyber threats and their behavior is difficult to identify hence difficult to restrict in the early phases of the cyber attacks. Cyber crime is argued to be the matter of privacy, and thus, not to be regulated. However, it fails to account for the offences which attack the very foundation of morality of society and sexual harassment by personal shared data is one of these offences. It acts as an incitement to sexual hatred and violence against everyone in the same way as racist literature acts as an incitement for racial hatred. The repercussions caused in the life of person whether it is a young person, mid-aged person or old person by cyber black mail, fraud etc, must not be totally ignored and give sufficient account as to why the menace of cyber information must be curbed down.

## INTRODUCTION:

Today the whole world wants to be more informed, more advance and above every other person and this is only possible by exploring one thing that is ‘Internet’. Everyone wants to explore more and more in lesser then lesser time. Sitting at one place and exploring the whole world’s knowledge is only possible by the help of the thing call “INTERNET”.<sup>i</sup>

INTERNET can be explained as the collection of millions of computers that provide a network of electronic connections between the computers. There are millions of computers connected to the internet. Everyone appreciates the use of Internet but there is another side of the coin that is cyber crime by the use of Internet. <sup>ii</sup>

Everything has a good and bad impact. Same way the internet has two faces of it; one is good and other in bad. Good part you can see in the exploring part of it, like today because of internet we can provide jobs, education, inventions etc to every other person from one place. We can share document, person details for banks etc. Internet has also created a connect between peoples.<sup>iii</sup> But on the other side we have it’s there is a bad side which is nothing but the Cyber crime. Cyber crime is Criminal activities directly related to the misuse of the computers knowledge, specifically illegal access/ unauthorized to the computer system or database of another user, theft of stored or on-cloud data, or deliberately destroy data.<sup>iv</sup>

Cyber crimes are of many types and each type contents a very different crime and different impact on internet users.<sup>v</sup>

## LITERATURE SURVEY

Online data is not always to be the trustworthy due to lack of the physical possession and control over the data of the data owner, once the data is shared the data can be easily gained by third party or being misused by the receiver himself, So there arises the need of the remotely data auditing protocol to gain control on our own data in the cloud storage.<sup>vi</sup>

As the cloud computing is gaining a significant growth in IT sector, and also human being is nowadays totally dependent on the cloud. So there is need for the security of the data on the cloud, also remote access to the own data over the cloud<sup>vii</sup>.

## DATASET DESCRIPTION:

The Dataset is based on online survey form, self-gathered data using Google survey form: Cyber Security.

The Purpose of the researcher behind this Survey is to spread awareness about the Cyber Crime due to Data Sharing. The other main purpose behind this research and survey is to collect public opinion about Cyber Crime, to analyze the level of awareness of public in field of Cyber Crime and its security, Laws and Rules. The main focus of researcher is on data sharing misuse and Cyber Crime attack for data stealing due to Phishing, which is the fraudulent attempt to obtain sensitive information such as usernames, passwords and credit card details by disguising as a trustworthy entity in an electronic communication<sup>viii</sup>

This data set gathers the proportionality between the peoples who haven't been the victim of the cyber-crime and the peoples who had been the one. This dataset also concludes that maximum number of peoples think that Internet is the main component in the day to day life, but aren't aware about security of the same. Also this dataset concludes to the point that 90% of the peoples use various social media platforms and out of them 80% of the peoples take it as a want i.e. use it without necessity. And also most of them need something that would remotely control sensitive data, so as to secure it and stop from being misused.

**DATA VISUALIZATION:**

Data visualization is a general term that describes any effort to help people understand the significance of data by placing it in a visual context. Patterns, trends and correlations that might go undetected in text-based data can be exposed and recognized easier with data visualization software.

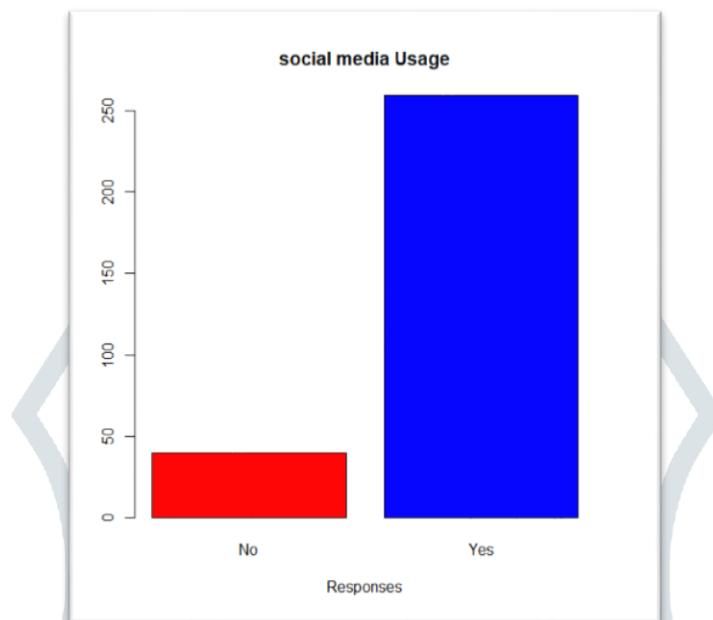


Fig (1)

The Graph above shows that maximum peoples use social media also, in the survey got to know that most of the peoples use social media as a want.

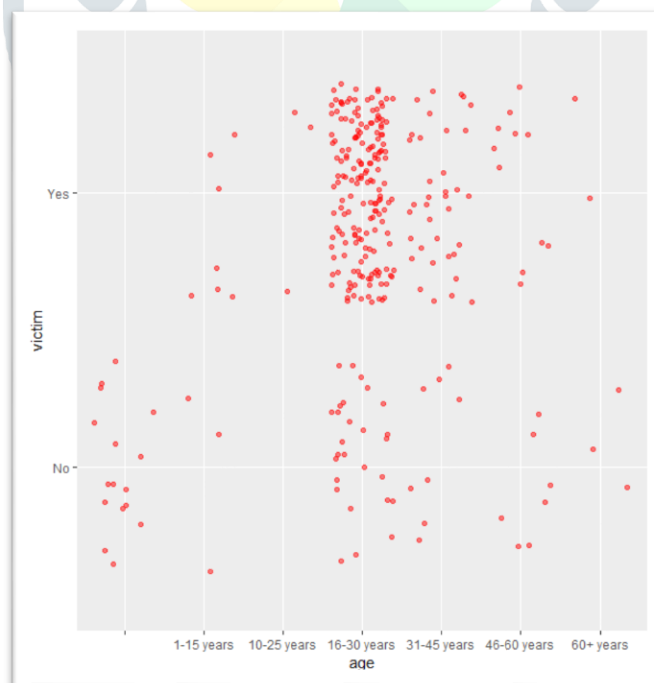


Fig (2)

**Jitter plot:** The jitter plot above shows that the age group of the 15-30 year becomes the victim of the cyber crime, also it is scattered with the age group peoples of others as they are not mostly to be the victim of the cyber crime.

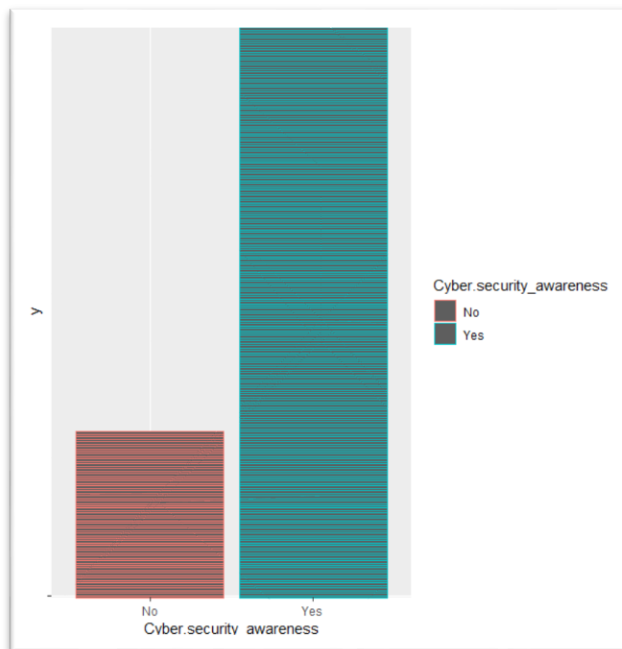


Fig (3)

The above bar plot describes that there is need for the awareness on how to secure personal data and also shows need for the same.

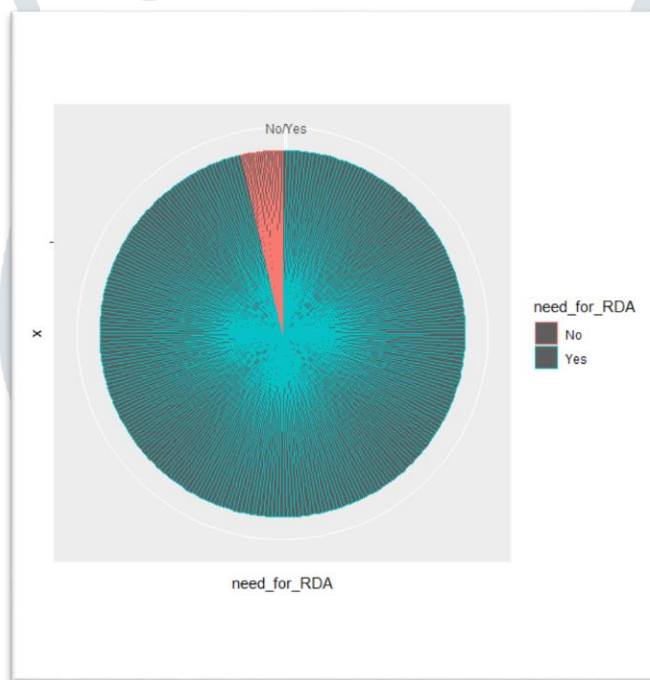


Fig (4)

Above pie chart driven from my dataset shows that there is need for the RDA i.e. Remote data auditing application, so as to stop the misuse of private data, and gain remotely auditing authority on our own data.

**OBSERVATION:**

The objective behind this research is to specify the Cyber Crime held by misuse of sharing the personal data. And doing a through survey, analyzing the problem, Public opinion. The research has an objective to create a proper visualization of the dataset gathered by the survey and an idea of creating an APPLICATION to get rid of the problem raised by sharing data. The application will have the authority to erase the data shared from the device of the receiver.

**PROPOSE SYSTEM:**

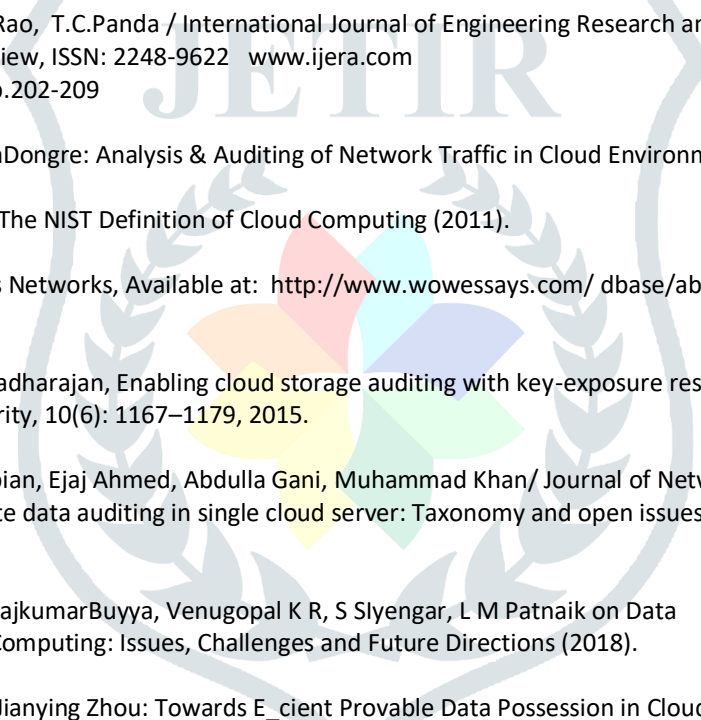
This research has been done for the analysis of the particular type of Cyber Crime. This analysis of cyber crime is particularly based on the personal data sharing and its misuse, Blackmailing, etc. the main problem focused in this research by the researcher is Cyber Crime done or taken place by the sharing of personal data by trusting other person\authority and misuse of that data by the receiver.

The main statement of problem researched by the researcher is “Cyber Crime that takes place by data sharing.”, and inspires one for the creation of the remote data auditing application.

**CONCLUSION:**

The researcher in this research paper has analyzed the cyber crime its security and the awareness among the peoples (the participants in the survey) about cyber crime. The researcher in the paper has raised many issues and problems related to the cyber crime. The researcher would conclude the paper by introducing application “Remote Data Auditing” which would be able to control the data sends to other person. Therefore, the researcher would conclude the paper by the awareness about the cyber crime and the invention of application.

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