

INT 217 PROJECT REPORT
(Project Semester August-December 2020)

AUTO- THEFT DONE IN INDIA

Submitted by

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Programme and Section- computer science and engineering ,K18TG

Course Code – INT217

Under the Guidance of

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Certificate

This is to certify that Sushant bearing Registration no: 11804681 has completed INT 217 project titled, "AUTO THEFT DONE IN INDIA" under my guidance and supervision. To the best of my knowledge, the present work is the result of his/her original development, effort, and study.

Signature and Name of the Supervisor: Ms. Vasudha

Designation of the Supervisor: Teacher

School of Computer Science and Engineering Lovely Professional University
Phagwara, Punjab.

Date:

DECLARATION

I, Sushant, student of Computer Science and Engineering under CSE/IT Discipline at, Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own intensive work and is genuine.

Registration No. -11804681

Name of the student- Sushant

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ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher Vasudha ma'am as well as our dean sir Amandeep Nagpal who gave me the golden opportunity to do this wonderful project on the topic (Write the topic name), which also helped me in doing a lot of Research and I came to know about so many new things I am really thankful to them.

Secondly I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

I am overwhelmed in all humbleness and gratefulness to acknowledge my debt to all those who have helped me to put these ideas, well above the level of simplicity and into something concrete. I would like to express my special thanks of gratitude to my teacher who gave me the golden opportunity to do this wonderful project on the topic "Auto done in India", which also helped me in doing a lot of Research and I came to know about so many new things. I am really thankful to her. Any attempt at any level can't be satisfactorily completed without the support and guidance of My teacher and friends.

I would like to thank my teacher who helped me a lot in gathering different information, collecting data and guiding me from time to time in making this project, despite of their busy schedules, they gave me different ideas in making this project unique. Thanking you

Sushant K18TG

INTRODUCTION

Vehicle theft has become a serious problem in India and the crime is growing at an excellent rate. And it is increasing in both the rural as well as urban regions alike. The major reason for this is drivers don't have access to anti-theft technologies. In the residential areas, people don't have enough space to park their vehicles inside their house which has been playing a crucial role in increasing the number of vehicle thefts in India. Various reports have highlighted that the small vehicles are at a high risk of getting stolen than the large vehicles as they are easy to commute to different places by the criminals.

In urban areas, drivers have been using GPS tracking devices under their vehicles which helps the police officers to track them after they get stolen. The use of GPSWOX GPS Tracking devices has increased significantly by drivers living in urban areas. Whereas in the rural areas, the expense problem has prevented to make use of such tracking devices. Various companies have been introducing affordable devices which simply help to use anti-theft systems for the safety of vehicles.

The statistics available related to vehicle theft in Indian highlights that the number of vehicles stolen is very high and police officers only manage to recover only a small number of vehicles. After stealing vehicles, criminals follow back streets to some unknown places until they find a safe place to hide them. The criminals sell the vehicles in the neighboring nations namely, Nepal, Bangladesh, and Myanmar to get the right price. As per one report, the two-wheelers are stolen at a mass rate because it is easy to carry such vehicles than the large ones.

In order to tackle the problem, cities have started adding more parking space in order to alleviate the vehicle-theft problem. GPS tracking devices are in high use to help to track vehicles to locate them after they have been stolen.

Objectives/Scope of the Analysis

When it comes to scope of the analysis it clear that we have seen how the theft of the automobile have increased in the different parts of the India in the different time period of the time. How much car is able to be recovered by the police? Where the auto theft has increased since the previous years. which automobile theft increased past decade. It's even signifies that how much police is active in that area and how much active to control the theft or the crime rate in there respective state's .

SOURCE OF THE DATA :

<https://drive.google.com/file/d/1g1DYghUhHi25fuZcaJ6E1TNs4MDS5O72/view?usp=sharing>

Analysis of the data set

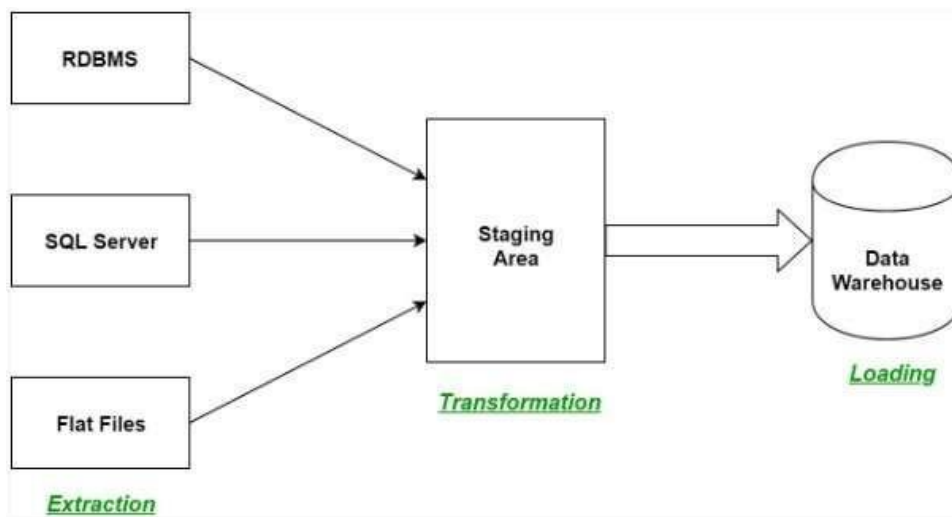
Introduction:

Data analysis is a process of inspecting, cleansing, transforming, and modeling data with the goal of discovering useful information, informing conclusions, and supporting decision-making. Data analysis has multiple facets and approaches, encompassing diverse techniques under a variety of names, while being used in different business, science, and social science domains. The process of data analysis:

- i)Data requirements
- ii)Data collection
- iii) Data processing
- iv) Data cleaning
- v) Modeling and algorithms

ETL Process (Extract, transform, load):

*ETL is a process in Data Warehousing and it stands for **Extract**, **Transform** and **Load**. It is a process in which an ETL tool extracts the data from various data source systems, transforms it in the staging area and then finally, loads it into the Data Warehouse system.*



Specific Requirements, functions and formulas:

We use different formulas for data cleaning, data processing and modelling and algorithms.

Main function of excel that I have used are

i) Power pivot ii)

Pivot table

iii) Hyperlink iv)

Conditional formatting

v) Create graph using power pivot

vi) Create relation between

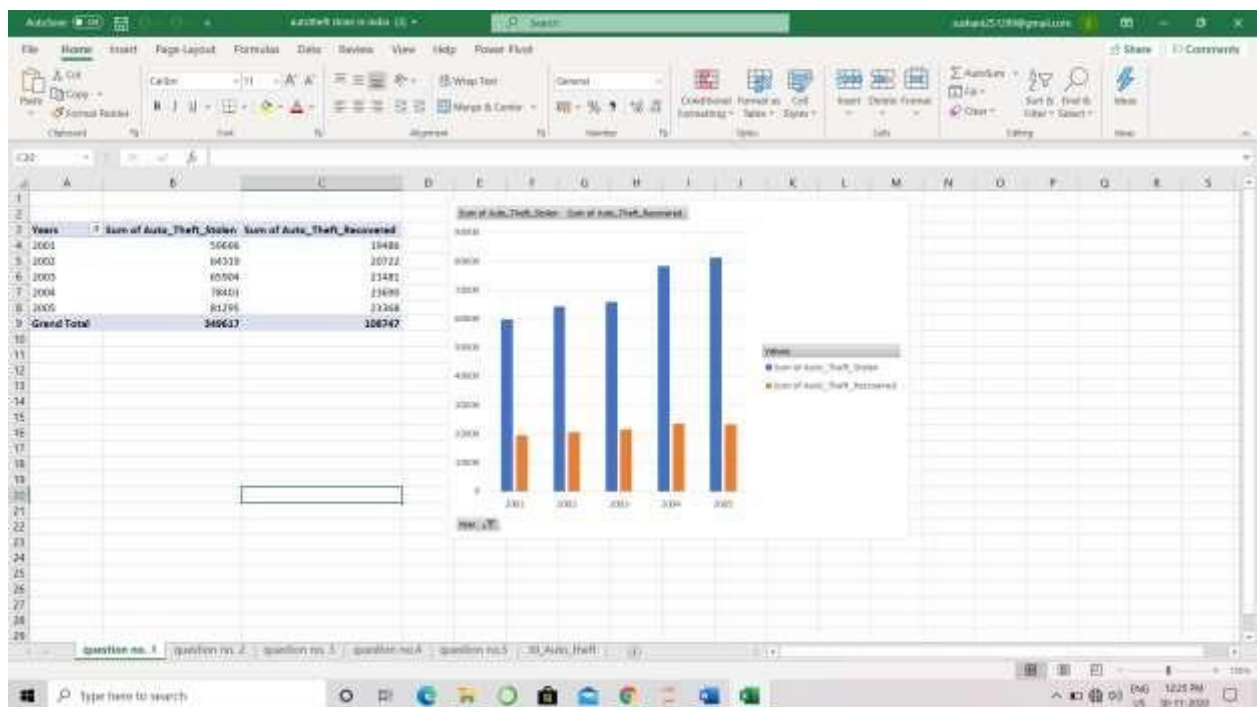
different table vii) Slicer viii) Different

types of graph ix) Different

functionality of graph

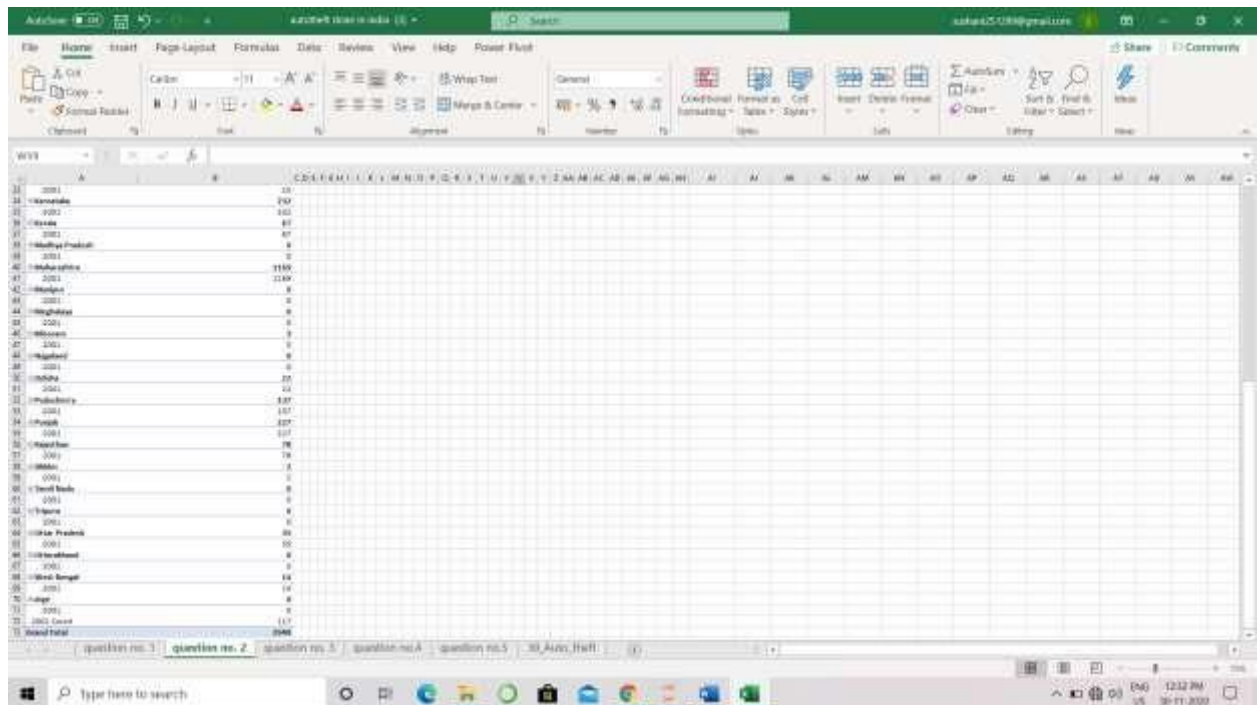
1) [Power pivoting helps use to analysis our data how much car was stolen in the time duration of the 2001-2005.](#)

According to this data we are able to see how much the vehicle is stolen in the time duration of the 2001 to 2005 . how rapidly stoolding increases .

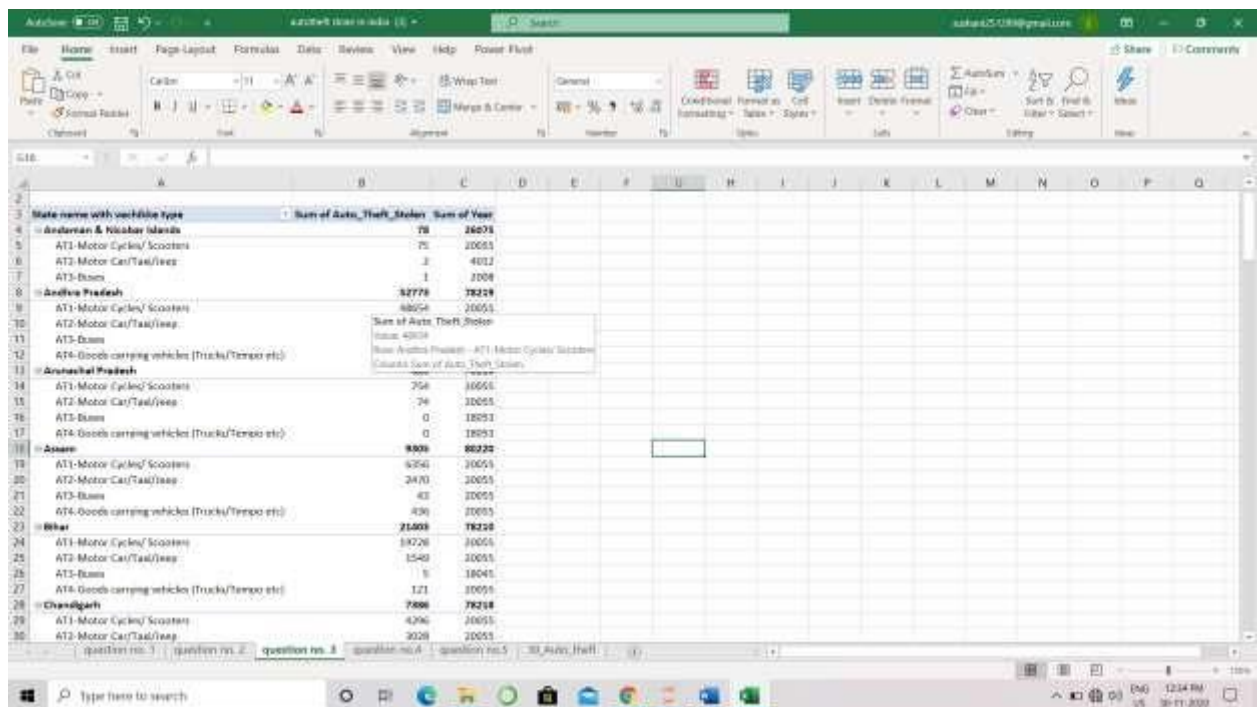


2) [Total value of the auto theft coordinated in the year in the 2001 for the different type of the vehicle:](#)

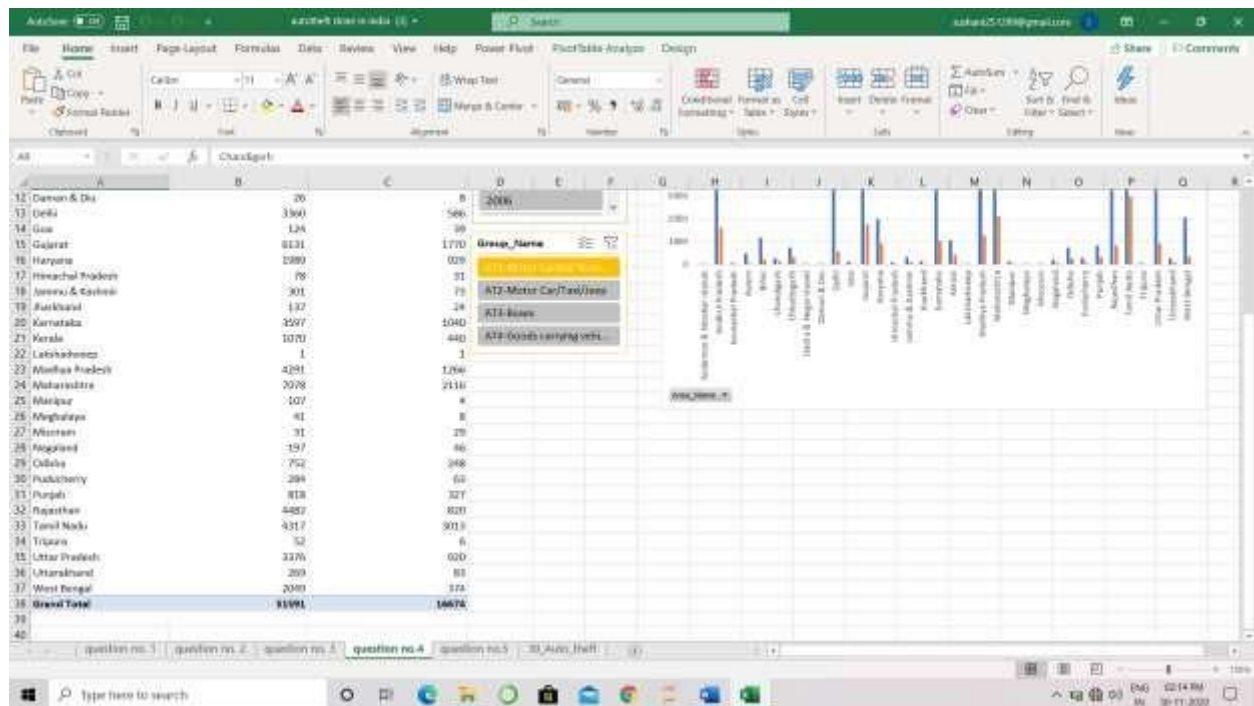
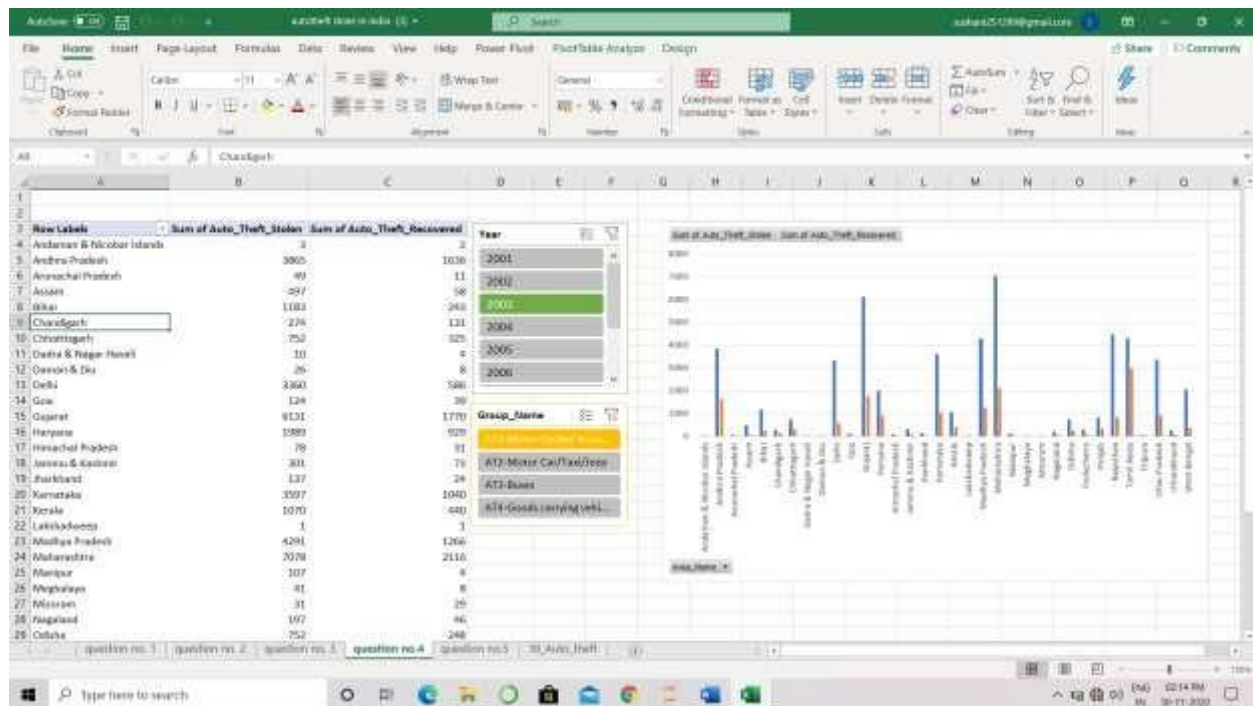
In this we will be able to see how the theft is changing from one place to another.



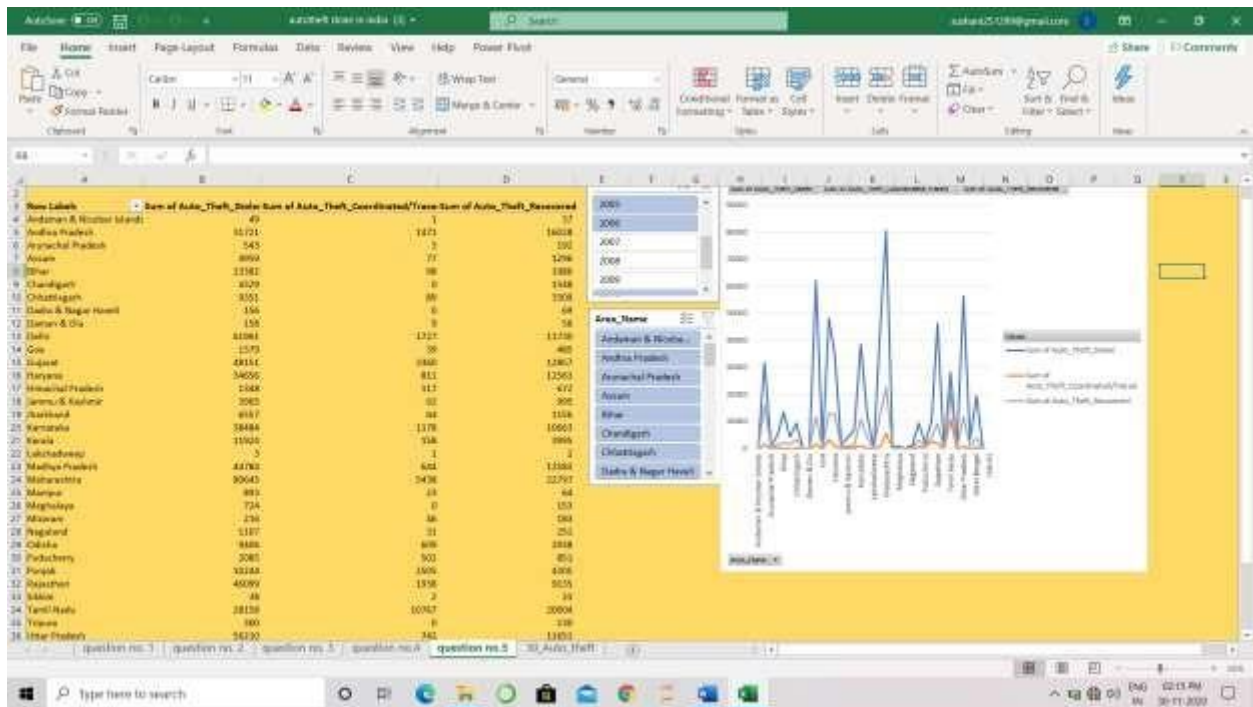
3) pivot table will even help us to analysis it more clearly the theft increase:-



4) Total no the auto theft recovered by polices :



5) chat between auto theft coordinated vs recovered:



Reference :

Link: tutorial point

And

YouTube