**Web** **Scraping**

* I collected data from house selling websites. All the data collection was done by selenium python code. It’s a sample data, I collected data of all the houses which are in new Delhi and I made a Csv of that. The data columns are house description, price and area of the house.
* It was just a demo to collect the data from websites. I could scrap all the data from websites of house selling through selenium and make csv of it.
* I can also make a column with time on which it got uploaded. And based on that We can do time series analysis. It can tell when house is more on the market and when houses are less .
* For this we have to store data in bulk and collect data on daily basis.
* Collect data from every possible websites in usa for house selling, just think if we can collect data of every possible house which are on the market, we can do a lot analysis.
* Also collect contact no person selling the house.

**Crime rate analysis in tableau**

* Report- <https://public.tableau.com/profile/shubham3128#!/vizhome/HomeLLCanalysis/CrimeRatesAnalysis?publish=yes>
* For every decision we make, I can prepare a report on tableau to showcase the stakeholders’ reasons behind our decision.
* It was analysis of different crimes in USA for past 20 years .
* I collected data of different crime rates in USA for past 20 years. This data collected from the website <https://crime-data-explorer.app.cloud.gov/explorer/national/united-states/crime>
* It was just a demo part we can do analysis based on city’s crime rate as well. And based on that we can predict the house prices.

**Data Collection for demand supply of real estate**

* We can collect census data from this website- <https://www.census.gov/data> and can do several analyses on this data. Trends in census data over time help to tell the story of the area.
* We can collect building permits data from this website <https://catalog.data.gov/> . I collected data on this but it was way too big to do any analysis. This type of data requires a good amount of time to do analysis.
* We can collect unemployment rate data from Beruro of labour statics and do the analysis.
* We can also collect public schools data from from data.gov and understand the neighbourhood.

**Predicting salary based on the census data**

* Data was collected from https://archive.ics.uci.edu/ml/datasets/Adult . Based on the census the data I predicted the salary of the people.
* We can do this analysis in real time world and do the analysis. And target that audience that has a salary above a certain number.

**Loan Approval Analysis**

* Data was collected from analytics vidya. Data contains different data about gender, education, salary, etc. Bases on given features I developed a machine learning model.
* We can use these type of model to check whether the person who is going to buy the house can repay or not.