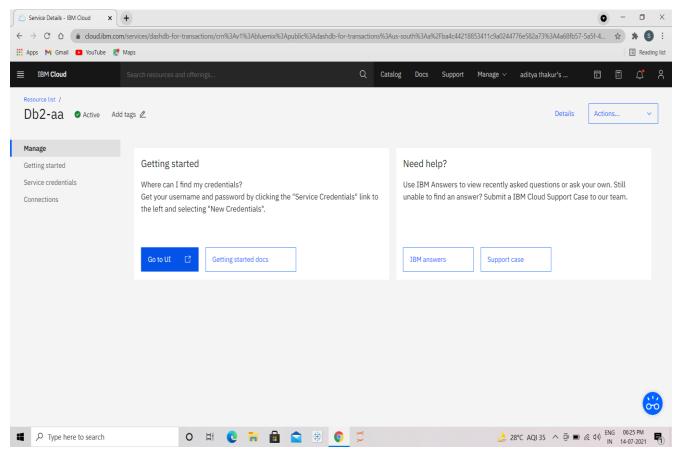
# Crime Analysis using SQL with Python

#### Introduction

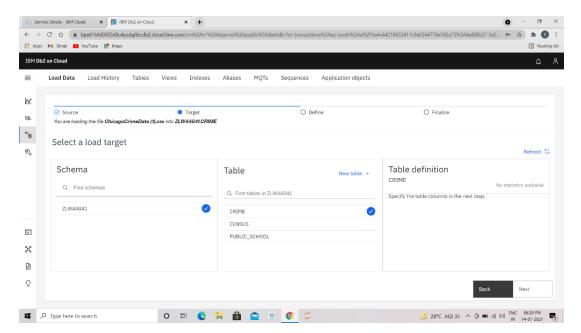
In this project I am going to analysis the crime case with help of the sql inside python and IBM cloud as the data server .

### **Data Preprocessing**

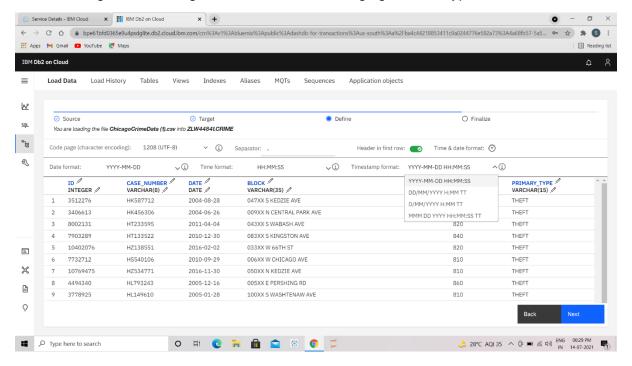
Downloaded the 3-csv file of Chicago (crime, public and school) data for the analysis. Next step involves uploading the data in the db2. For the uploading purpose I prefer the IBM cloud as its interface is really easy to handle with the db2. I used the magic SqI command to perform the analysis.



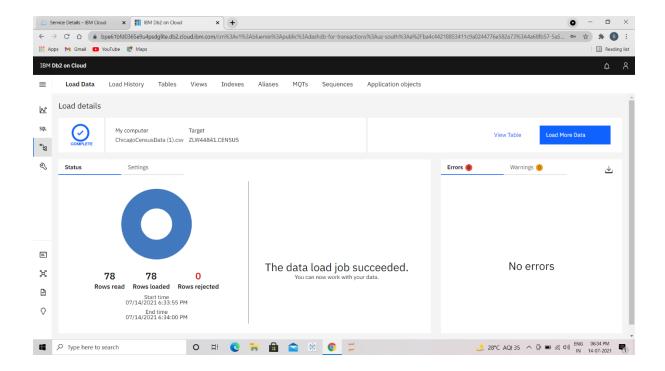
while uploading the data I need to create the schema, table name with its definition along with table then to upload the data.



After this inside the preview option I have managed to managed to do change the time format, along with including headers, and even changing the data type some time.

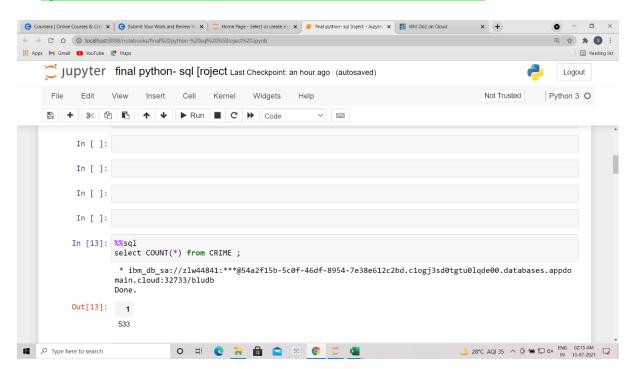


Later on uploaded the data set with no warning or error. To move on the further analysis .

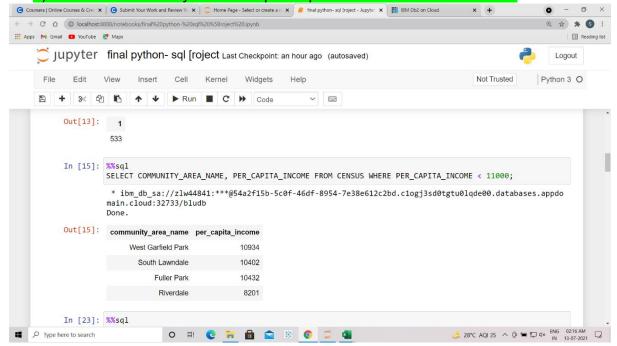


## Analysis:

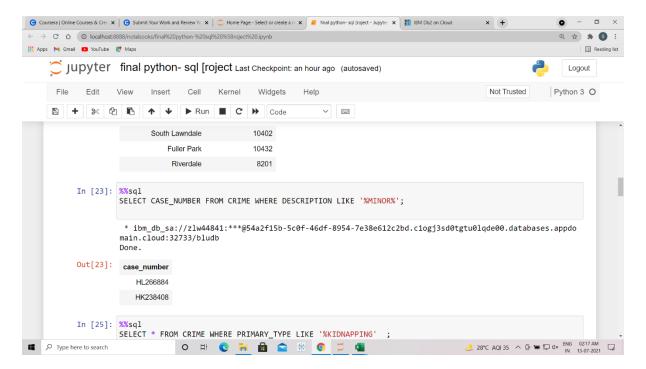
#### 1) Find the total number of crime recorded in the crime table?



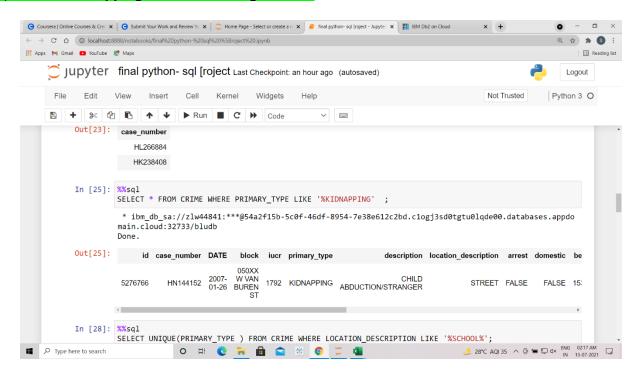
2) List the community area with per capita income less than 11000?



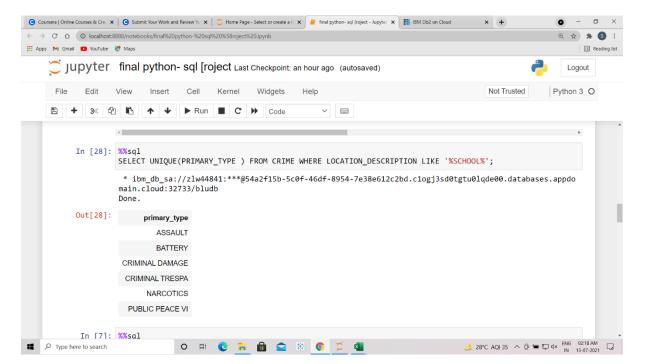
3) List all case numbers for crimes involving minors? (children are not considered minors for the purposes of crime analysis)



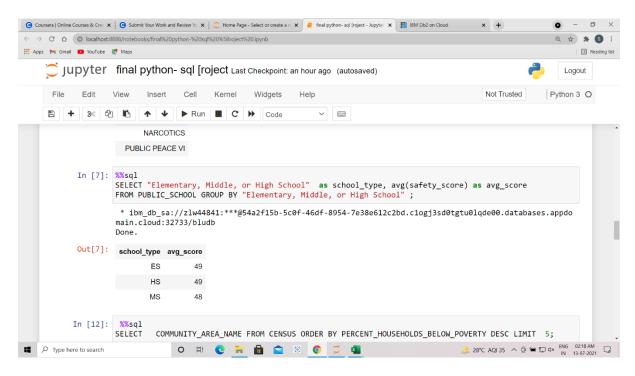
#### 4) List all kidnapping crimes involving a child?



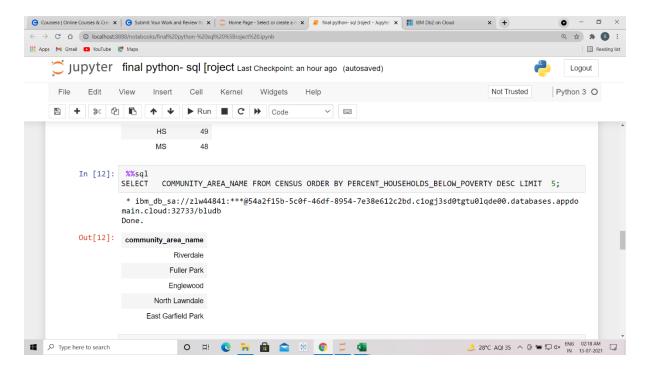
#### 5) What kind of crimes were recorded at schools?



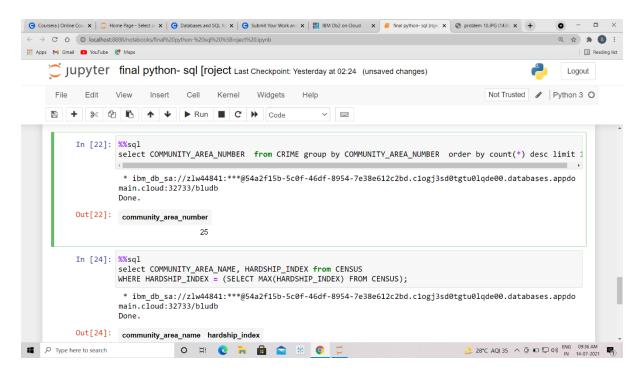
#### 6) List the average safety score for all types of schools?



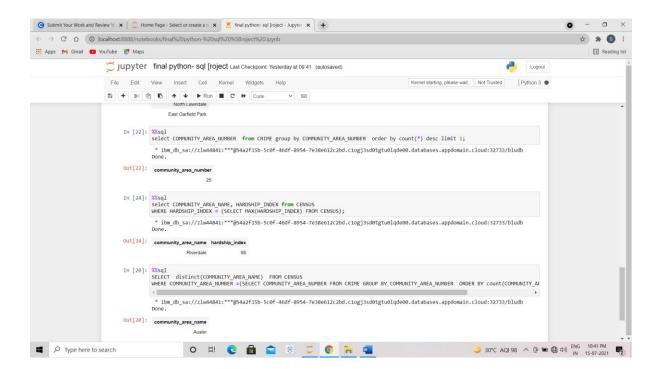
#### 7) List 5 community areas with highest % of households below poverty line?



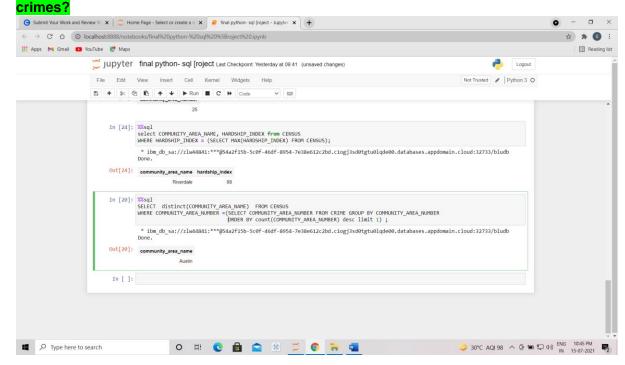
#### 8) Which community area(number) is most crime prone?



# 9) Use a sub-query to find the name of the community area with highest hardship index?



# 10) Use a sub-query to determine the Community Area Name with most number of



## Acknowledge:

I would like to thank of YouTube to help me wherever I stuck and IBM too.