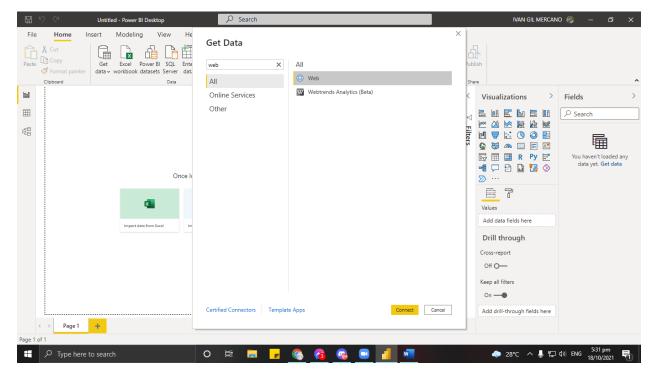
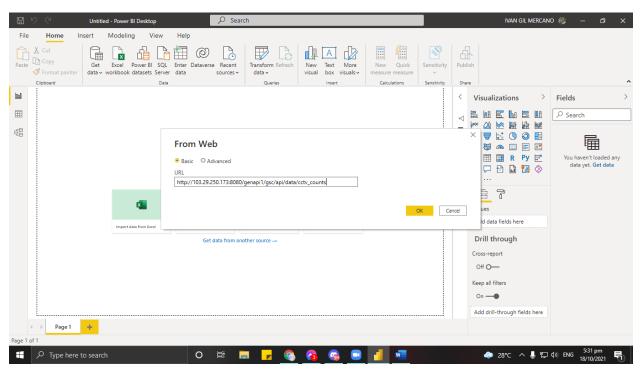
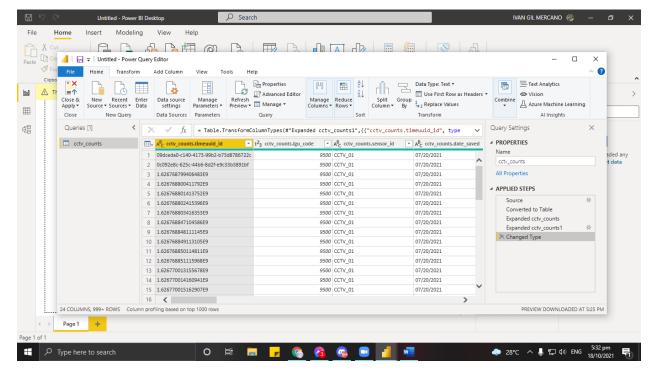
First is uploading the API into the Power BI



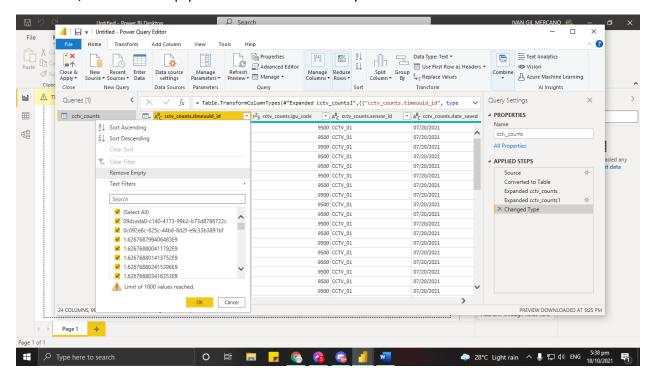
We pasted the API link provided in the submission link



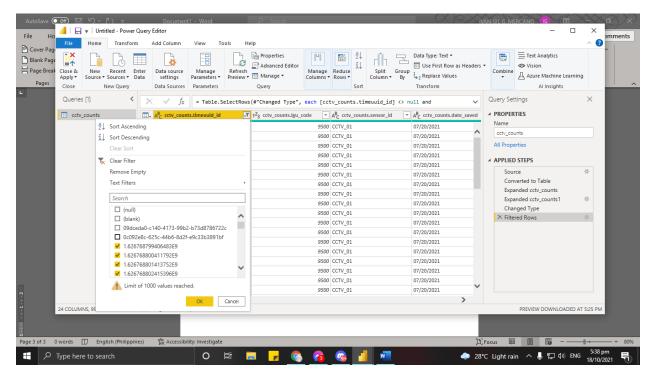
Then we viewed the data as table and check if there are any data cleaning process we need to do.



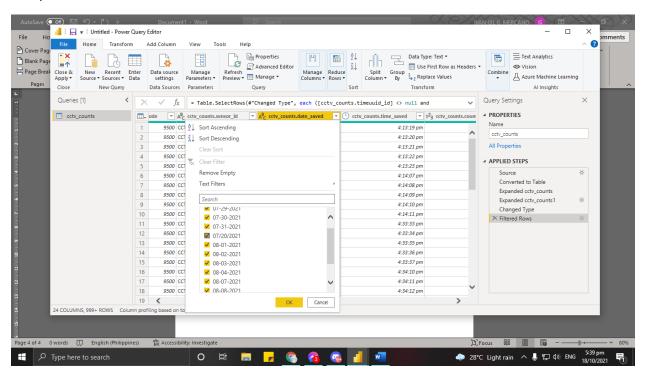
To be sure, we remove empty cells that are not necessary for the task



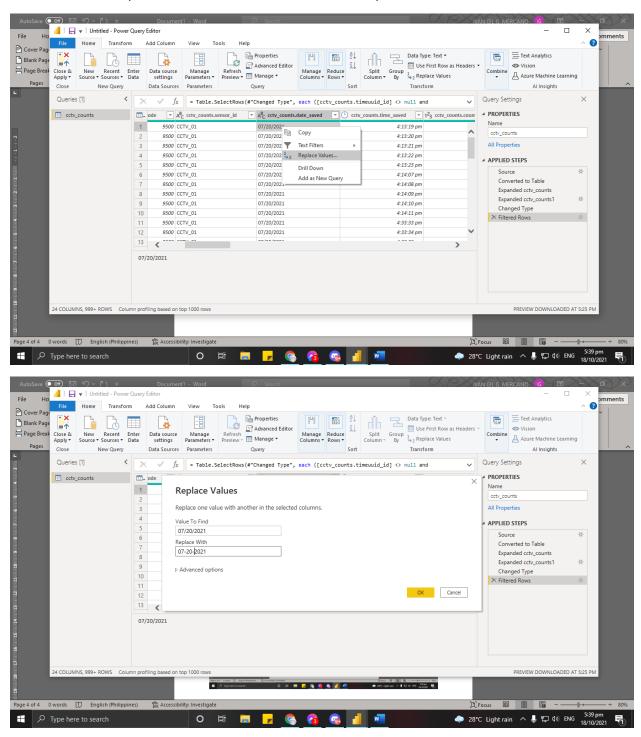
Then we removed columns that have bin values



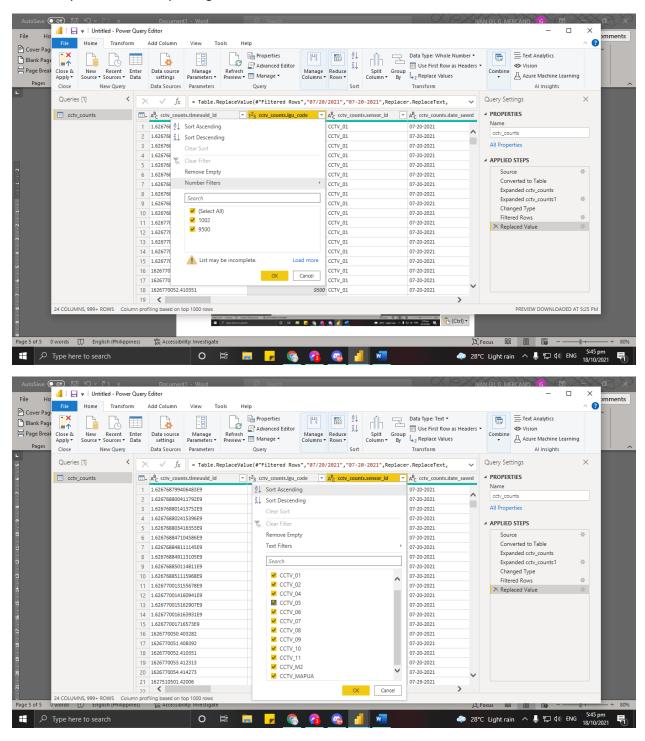
Here, we noticed that the format of date is not uniform

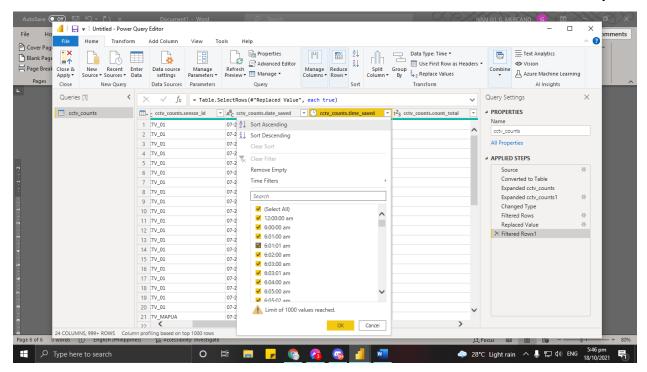


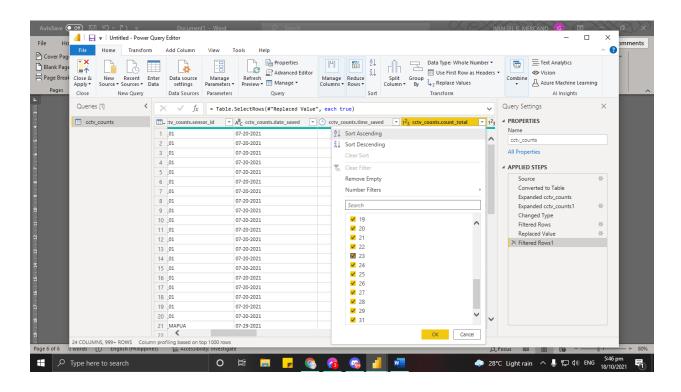
So we decided to replace the format of the date with the unique format

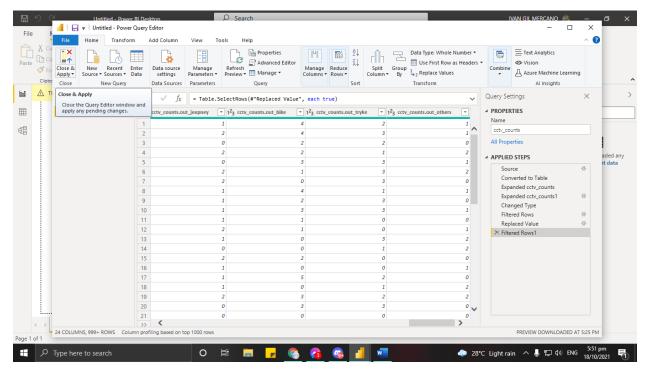


Then, we proceeded in inspecting other columns to make sure that there are no other anomalies



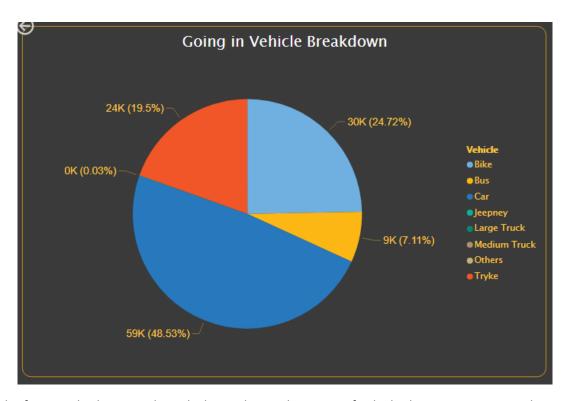




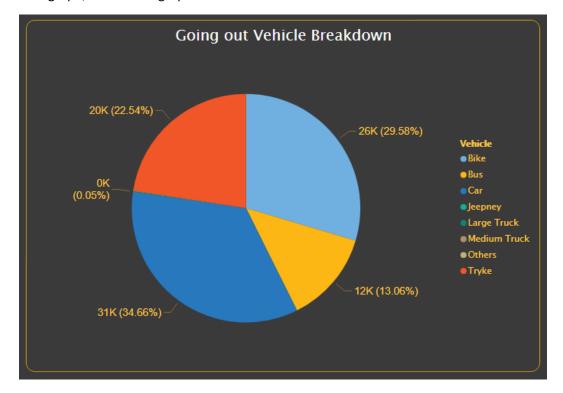


After making sure that the data is properly cleaned and formatted, we then proceeded in making the reports based on the dataset

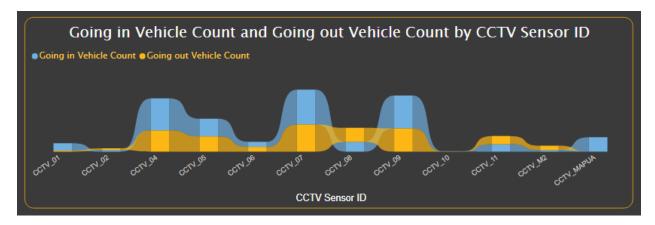
The first graph we created aims to display the total amount of individual vehicles that went inside.



Like the first graph, the second graph shows the total amount of vehicle that went out instead.



The next graph we made shows the categorized number of vehicles that went in and out and is sorted by the CCTV ID.



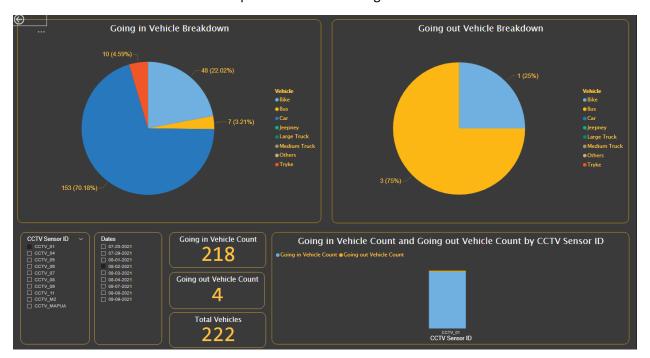
For better analysis of the data, we added the option of inspecting the number of vehicles on a specific CCTV camera and date through a list option.

CCTV Sensor ID	Dates ∨
☐ CCTV_01	□ 07-20-2021
☐ CCTV_02	☐ 07-29-2021
☐ CCTV_04	☐ 07-30-2021
☐ CCTV_05	□ 07-31-2021
☐ CCTV_06	□ 08-01-2021
☐ CCTV_07	□ 08-02-2021
☐ CCTV_08	☐ 08-03-2021
☐ CCTV_09	□ 08-04-2021
☐ CCTV_10	☐ 08-07-2021
☐ CCTV_11	☐ 08-08-2021
☐ CCTV_M2	□ 08-09-2021
☐ CCTV_MAPUA	□ 08-10-2021
	□ 08-11-2021

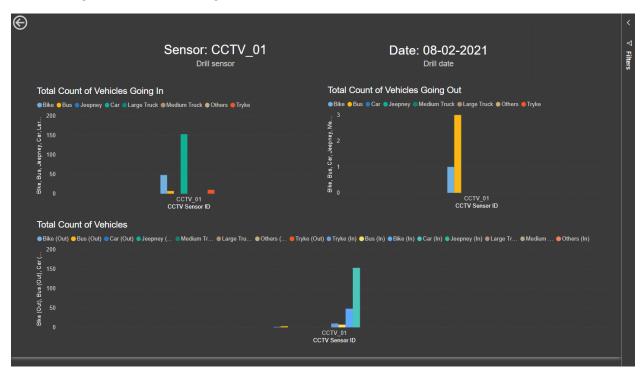
Then next we made a counter that displays the amount of going in vehicles, going out vehicles, and the total overall vehicles.



After creating the page for vehicles going in and out, the next task to be done is to make the button selection functional. Below is an example of the filter working.



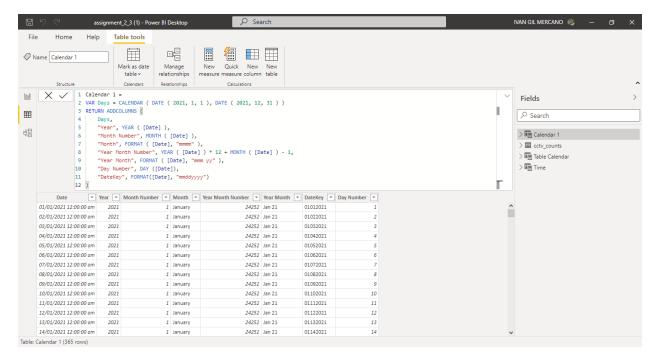
Next, we applied Drill through to conclude upon the analysis of the previous graph, The example below is a drill through of the selected image above.



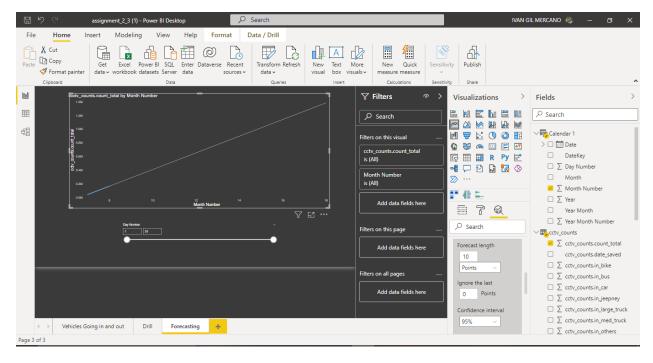
As we can see the date and CCTV ID remains the same, whilst providing a summarized view of the combined data.

3. Though we do not have a good historical data, just try to do forecasting as a demonstration of predictive analytics.

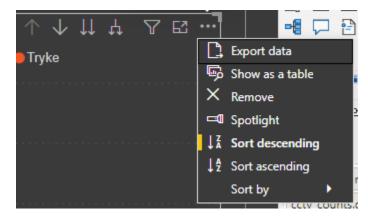
First, we created a new table for the calendar



For the forecasting part, we chose 95% confidence interval. The forecast showed an positively linear graph and means that for the following months, there would be a chance that the vehicle count would increase.



4.) In downloading a specific data, it can be performed while viewing a page. At the upper right part of the graph, click the three dots, and click "Export Data".



After pressing "Export Data", the user can now choose the file path and the file name of the data.

