SQL And Databases: Project Report

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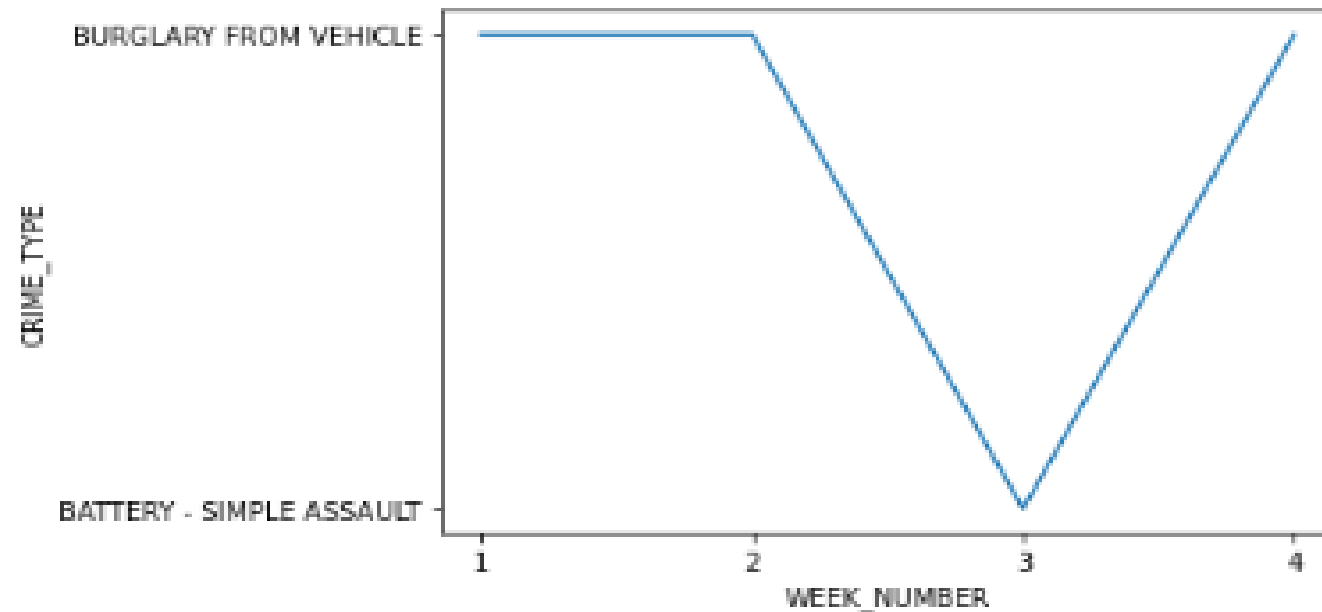
Overview

➢No of Precinct 7

➢No of total crimes reported 246

➢No of areas 11

➢No of officers 54

➢Total population 7614924

➢No of CCTV 11

Metrics

Distribution of most frequent crimes occurred on weekly basis

Observations: The highest crime committed each week are :

- BURGLARY FROM VEHICLE for week 1,2 and 4;
- BATTERY - SIMPLE ASSAULT for week 3;

Comparison of population density, precinct area, officer's count with crime rate
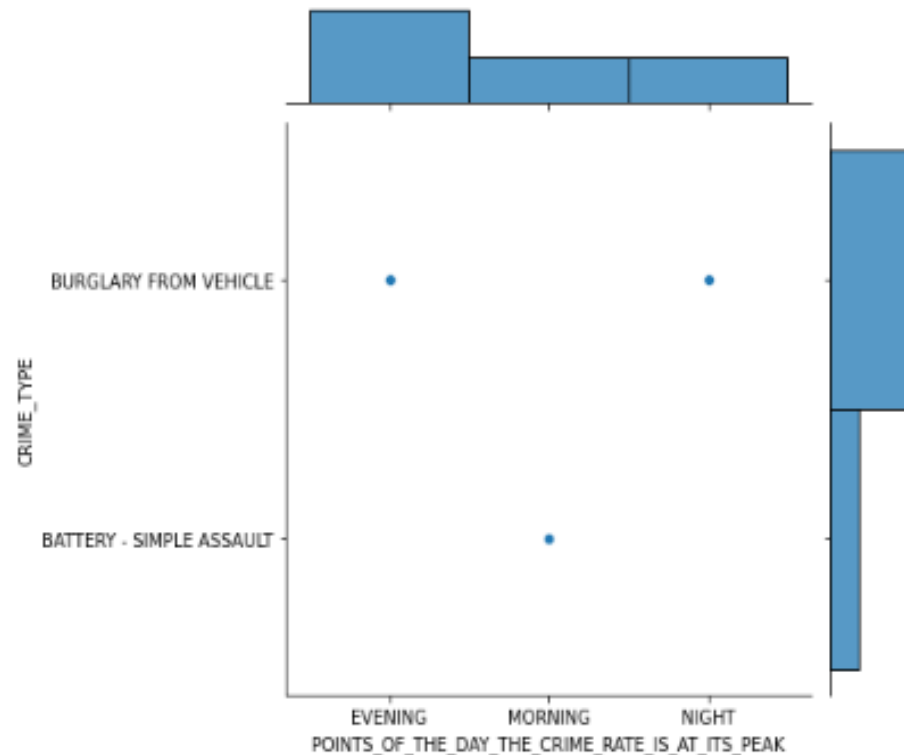
	PRECINCT_CODE	CASES_REPORTED	TOTAL_AREAS	TOTAL_POPULATION	TOTAL_OFFICERS
0	1	32	1	616200	7
1	2	29	3	1136862	9
2	3	44	2	1513542	11
3	4	37	1	1980500	10
4	5	37	2	713768	6

Observation: The crime depend on the Area name and precinct code not on population density,officer's count.

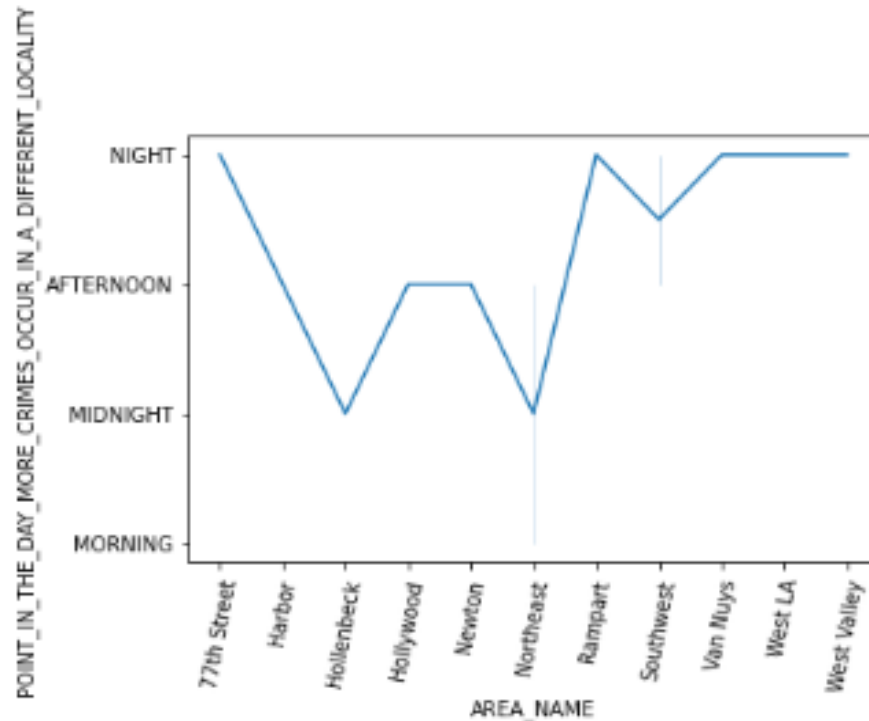# Distribution to see which crime types are most prevalent throughout the day

Observation is that points of the day the crime rate is at its peak are Night and Evening for BURGLARY FROM VEHICLE, Morning for BATTERY - SIMPLE ASSAULT.

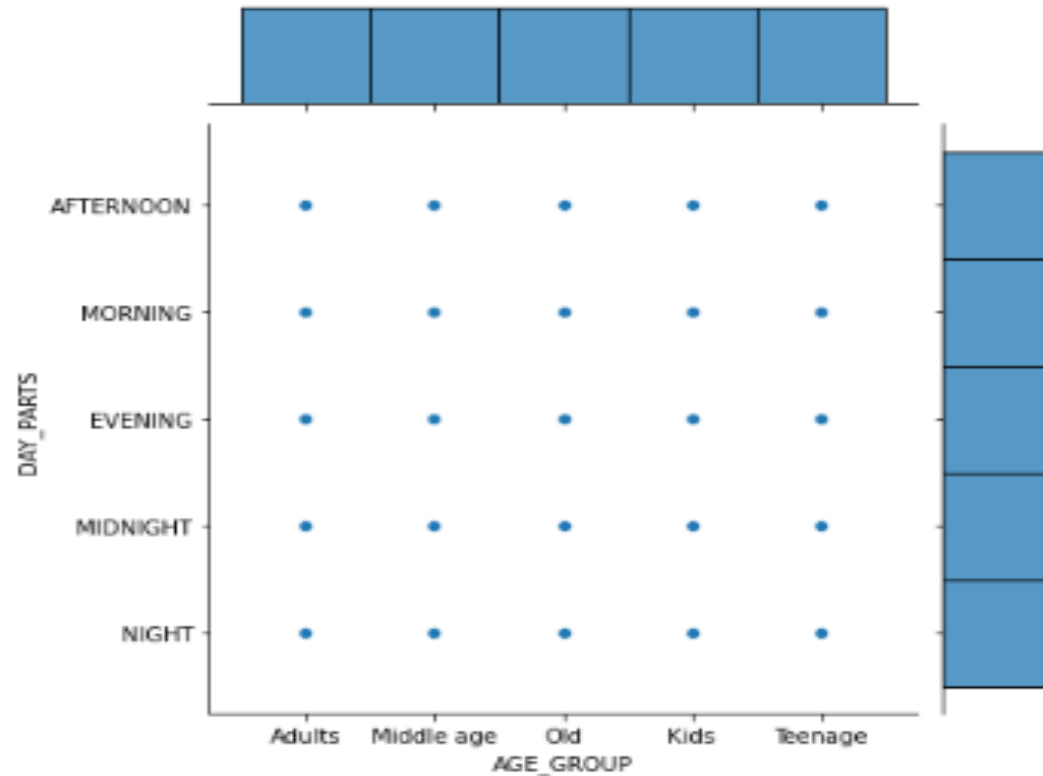# Distribution to see each area's maximum crimes reported across a day

Observation is that Point in the day more crimes occur in a different locality are Night for 77th Street, AFTERNOON for Harbor, MIDNIGHT for Hollenbeck, AFTERNOON for Hollywood and AFTERNOON for Newton.

Distribution of the crime rate for victims of various ages over the course of a day
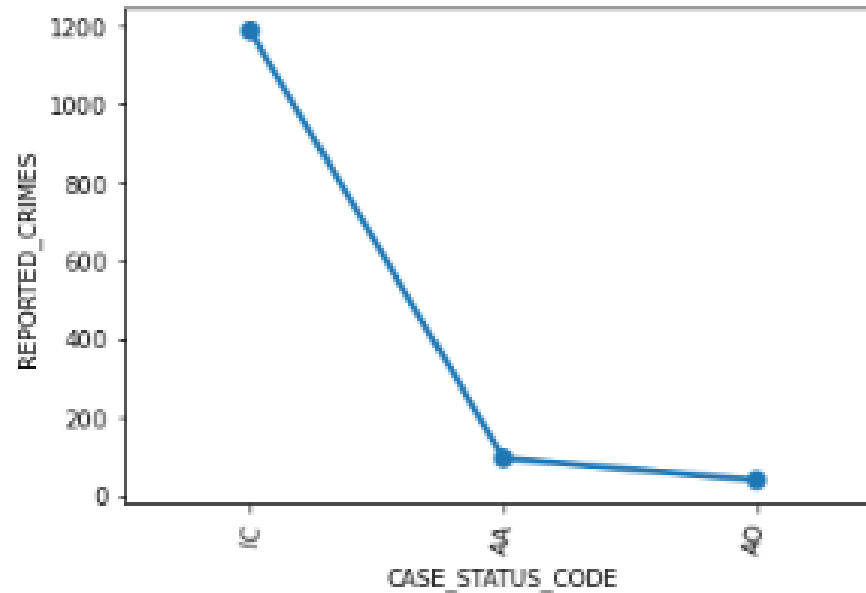

Observation is that Age group of people is more likely to fall victim to crimes at certain points in the day is Adults.

The status of reported crimes

Observation is that The status of reported crimes are:

-IC = 1186, -AA = 94, -AO = 38

Distribution of area and CCTV count in relation to crime rate

Distribution of area and CCTV count in relation to crime rate

	AREA_NAME	CCTV_COUNT	CRIME_RATE
0	Rampart	165	233
1	Hollenbeck	170	189
2	Van Nuys	250	158
3	West LA	244	156
4	West Valley	268	156

Observation is that the CCTV Count does not deter crimes from happening. Crimes depend on the areas.

Distribution to see whether CCTV footage is available or not at the crime scene for each area
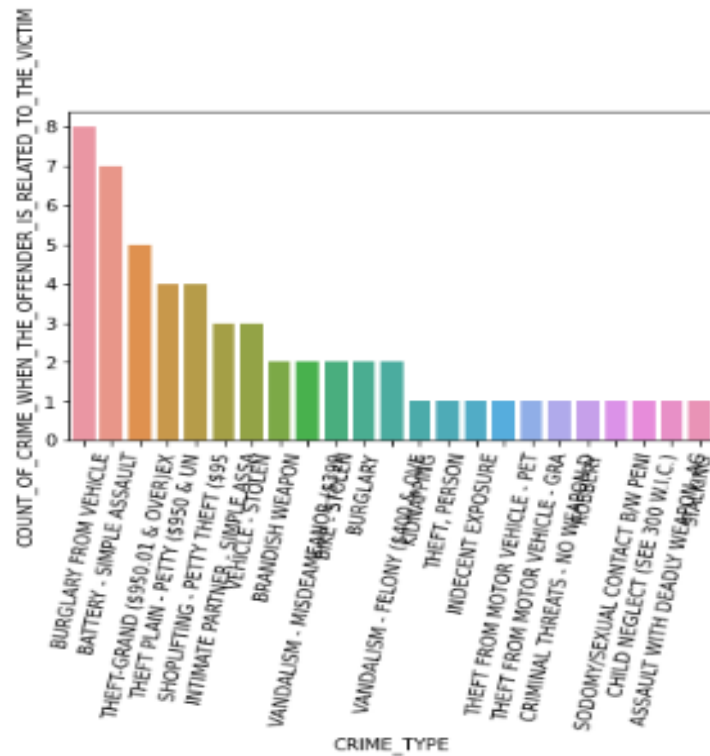
	AREA_NAME	THE_CCTV_AT_THE_CRIME_SCENE	FOOTAGE	NO FOOTAGE
0	Hollenbeck	189	0	0.000
1	Harbor	71	0	0.000
2	Newton	74	0	0.000
3	Van Nuys	158	0	0.000
4	West LA	158	0	0.000

Observation: there is not CCTV footage available at the crime scene for each area. Footage is 0 and no Footage is 0.00
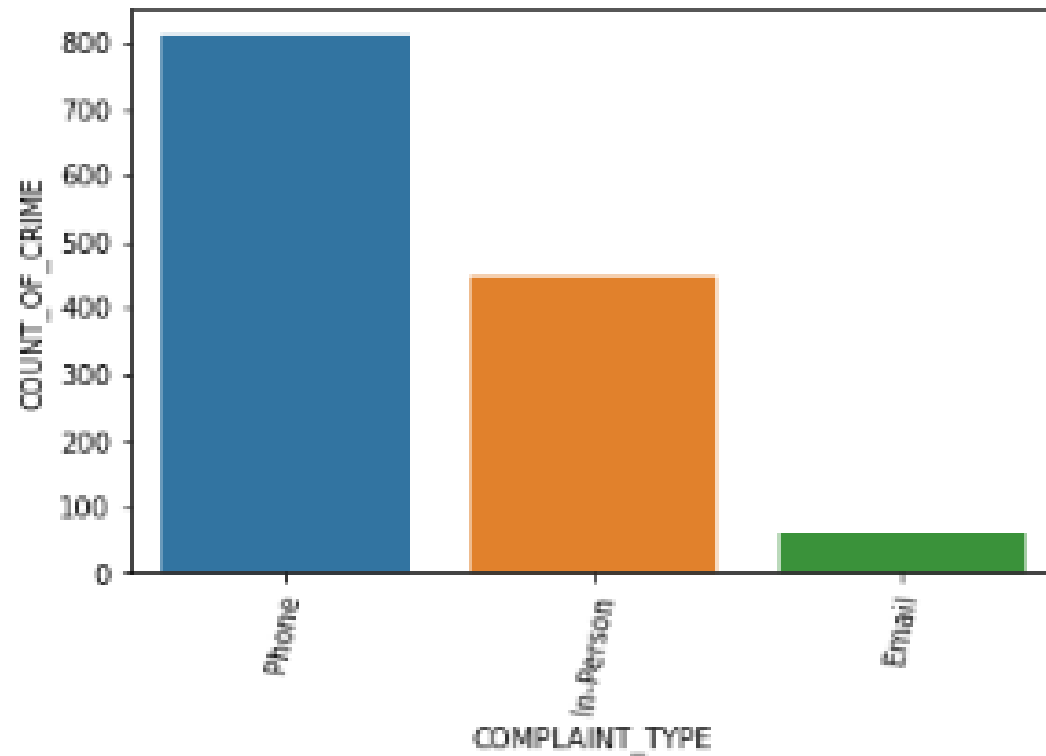
Crimes committed by relation of victim/strangers

Observation is that Crimes committed by relation of victim are 8 for BURGLARY FROM VEHICLE, 7 for BATTERY - SIMPLE ASSAULT, 5 for THEFT-GRAND (950.01 & OVER)EX, 4 for THEFT PLAIN - PETTY (950 & UN and 4 SHOPLIFTING - PETTY THEFT ($95.

Distribution for the complaint type and the crime rate

Observation is that the methods used by the public to report a crime are Phone, In-Person and Email.

Recommendations

- The City needs to focus more on different locality especially where the crime rate is High;

- Focus on day parts where the points of the day the crime rate is at its peak;

- The City need to investigate CCTV;