



# SQL and Databases:

## Project Report

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# Overview

No of Precinct

5

No of total crimes  
reported

800

No of areas

23

No of offenders

345

No of officers

70

Total population

100000

No of CCTV

160

Count of cases where  
status is IC

110

# Metrics

# Distribution of most frequent crimes occurred on weekly basis

**Hint:** You can make a bar chart with week number on x-axis and count of crime type on y axis.

## Observations / Findings

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# Chart to compare population density, precinct area, officer's count with crime rate

**Hint:** Use a bar chart with precinct code on x axis and population density, precinct area and officer's count on y axis.

## Observations / Findings

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

**Hint:** You can make a bar chart by categorize the time in to daypart then with daypart on x-axis and count of crime type on y-axis.

## Observations / Findings

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

**Hint:** You can make a bar chart with area name on x-axis and count of crime across dayparts on y axis.

## Observations / Findings

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

## Hint:

- You can make a grouped bar chart by categorizing the ages in to different categories then with age category ,categorized daypart on x-axis and reported crimes on y-axis.
- Age 0 to 12 kids , 13 to 23 teenage, 24 to 35 Middle age, 36 to 55 Adults, 56 to 120 old.

## Observations / Findings

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# Distribution of the case status across a week

**Hint:** You can make a barchart with case status on x axis and count of crime on y axis.

## Observations / Findings

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# Distribution of area and CCTV count in relation to crime rate

**Hint:** You can make a grouped bar chart with area name on x-axis and cctv footage found , cases reported on y-axis.

## Observations / Findings

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# Distribution to see whether CCTV footage is available or not at the crime scene for each area

**Hint:** You can make a bar chart with area name on x-axis and total count of cases, cctv present count and cctv not present count on y axis.

## Observations / Findings

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# Crimes committed by relation of victim/strangers

**Hint:** You can make a bar chart with crime type on x-axis and cases reported on y-axis make sure to use offender relation as a filter.

## Observations / Findings

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# Distribution for the complaint type and the crime rate

**Hint:** You can make a bar chart with complaint type on x-axis and it's count on y-axis.

## Observations / Findings

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