SQL and Databases:

Project Report

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Overview

No of Precinct	**No of total crimes reported**
5	800

No of areas	**No of offenders**
23	345

No of officers	**Total population**
70	100000

No of CCTV	**Count of cases where status is IC**
160	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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Insights and Recommendations

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