Police Arrest from 2021-2024

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About Montgomery County Maryland's Digital Government Strategy

The County has been an early adopter of technology and promoter of a transparent and efficient government. This represents the County's commitment to being an inclusive, innovative and transparent government that is accountable and responsive and maintains a strong and vibrant economy. The County has been a leader in open government since the launch of its e-Government website initiative in 1992. Since then, the County has sustained a strong commitment to digitizing its information and services.

Columns of Dataset

This dataset contains information about individuals who have been arrested by police officers in Montgomery County. The data includes demographic information about the individuals arrested, such as their race, gender, age, and ethnicity.

The ID Reference Number column likely serves as a unique identifier for each arrest record.

The Subject's race, Subject's gender, Subject's age, and Ethnicity columns provide demographic information about the individuals who were arrested.

The District of occurrence column likely indicates the district in which the arrest took place.

The Adjacent to School column is particularly interesting. It appears to indicate whether the arrest took place within 500 feet of a school, with a 1 indicating that it did and a 0 indicating that it did not. This could be useful for analyzing patterns in where arrests occur.

The Assigned Division and Assigned Bureau columns likely indicate the division and bureau of the police department that were assigned to the arrest.

Finally, the Event Date/Time column provides the date and time of the arrest. This could be useful for analyzing patterns in when arrests occur.

Problem Statement

- What is the distribution of the races of the subjects?
- What is the average age of the subjects being arrested?
- What is the average age of the male and female subjects being arrested?
- What is the distribution of male and female subjects?
- Which ethnicity do most of the subjects belong to?
- Which district has most of the arrests?
- Which bureau has been assigned the most arrest warrants per district?
- Which division has been assigned the most arrest warrants?
- In which year were the maximum number of subjects arrested?
- In which month do most of the arrests happen each year?
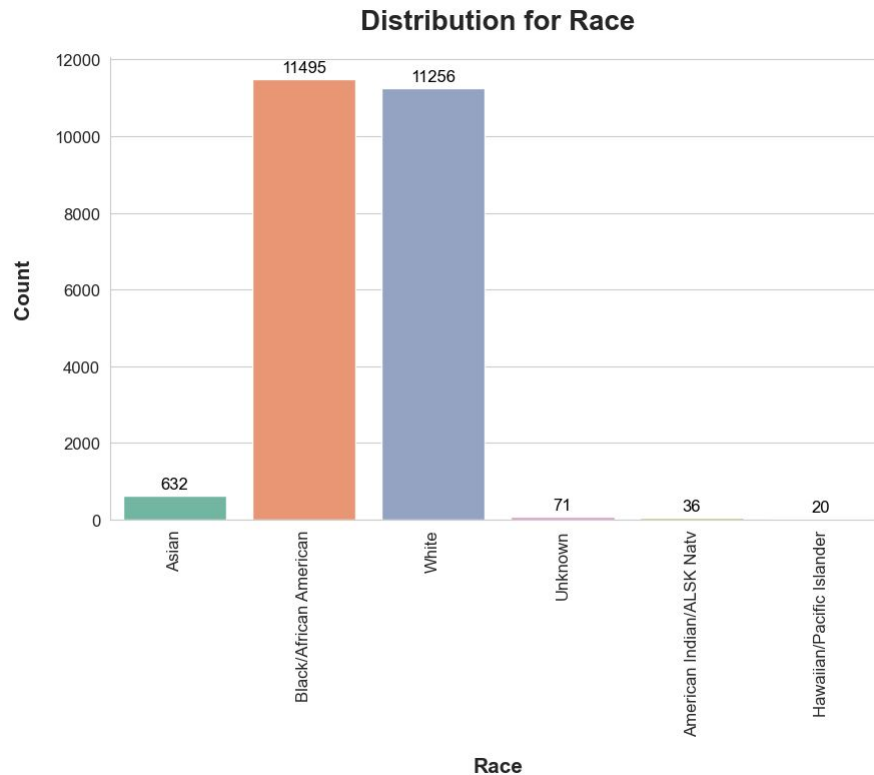- Do most of the arrests take place near a school in the District of Occurrence?

Observations
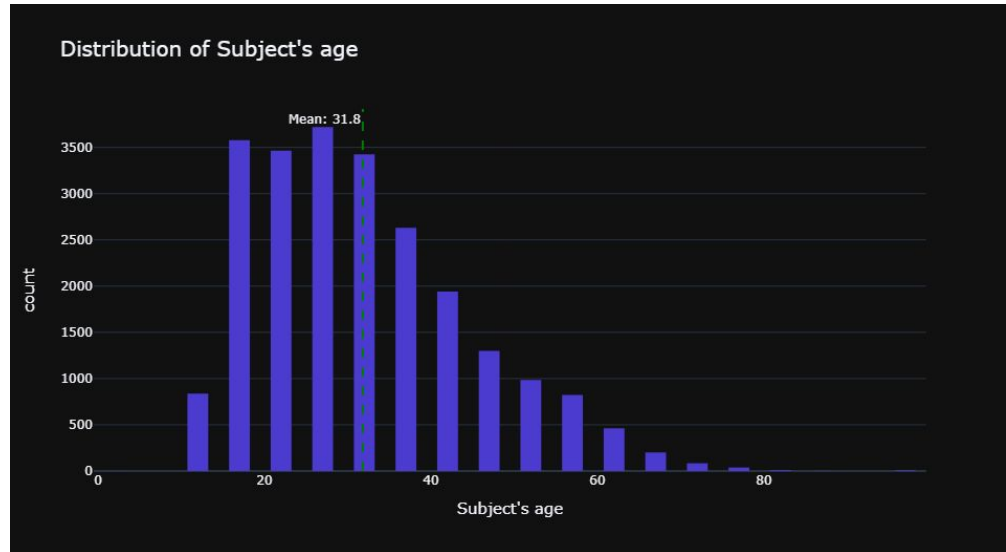
Different Races of Arrested Subject

- About 48.90% of the subjects is Black/African American and about 47.90% of the subjects are White .
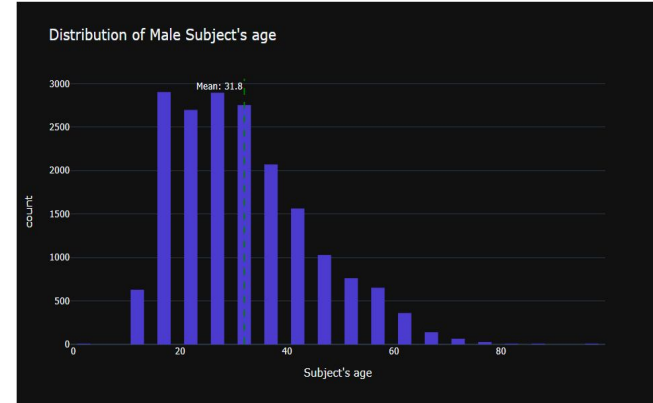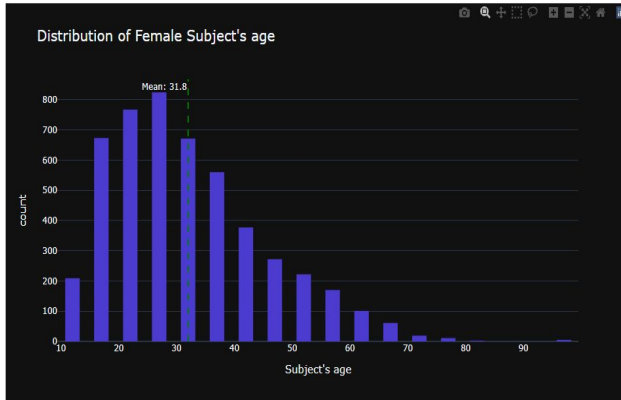
Distribution for Race

Age Distribution of Subjects

- The average age of the subject being arrested is about 32 years .

Distribution of Subject's age

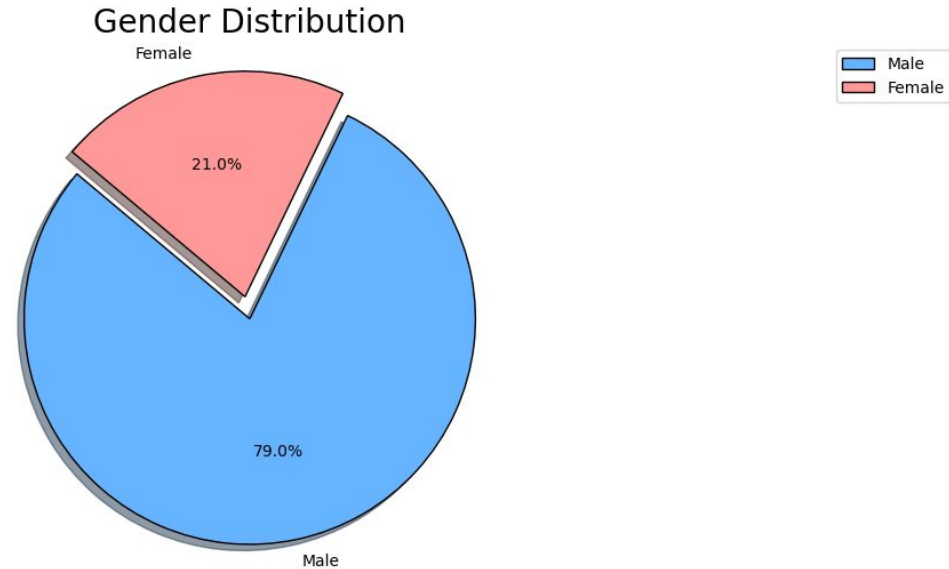# Age Distribution of Subjects w.r.t Gender

- Most of the female and male subjects are aged between 20 - 40 years.

Distribution of Female Subject's age
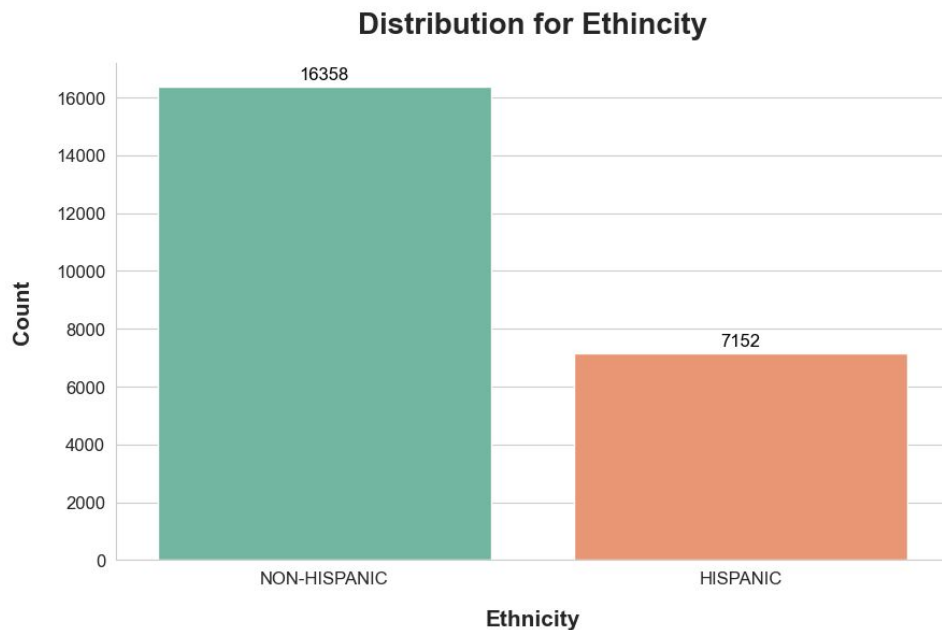

Distribution of Male Subject's age

Distribution of Male & Female Subjects

- Most of the subjects arrested are male i.e around 79%.

Gender Distribution

Ethnicity of the Subjects

● Most of the subjects are NON-HISPANIC.

Distribution for Ethincity

District of Occurrence

- Most of the subjects are arrested from 3.0 followed by 6.0 and 4.0.
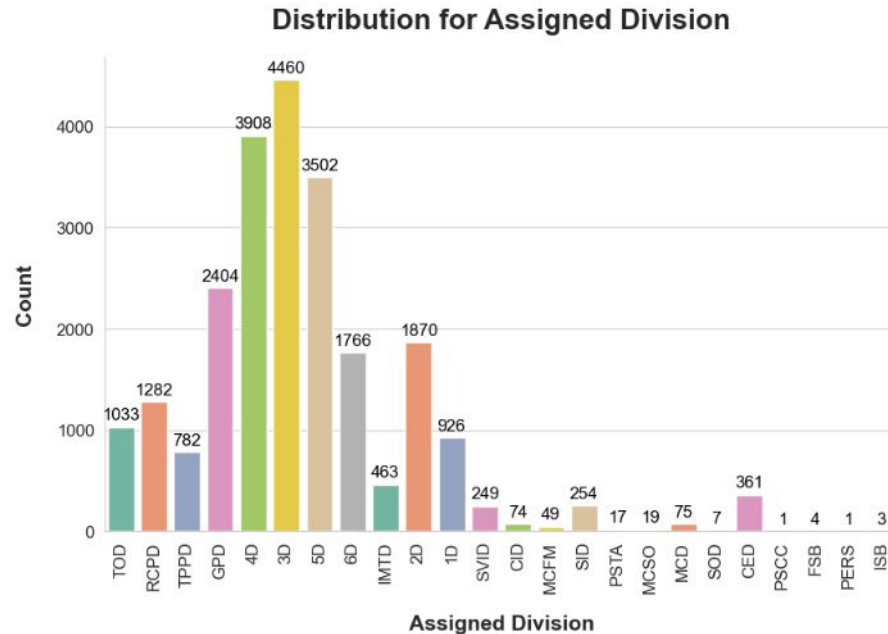

Distribution for District of occurrence
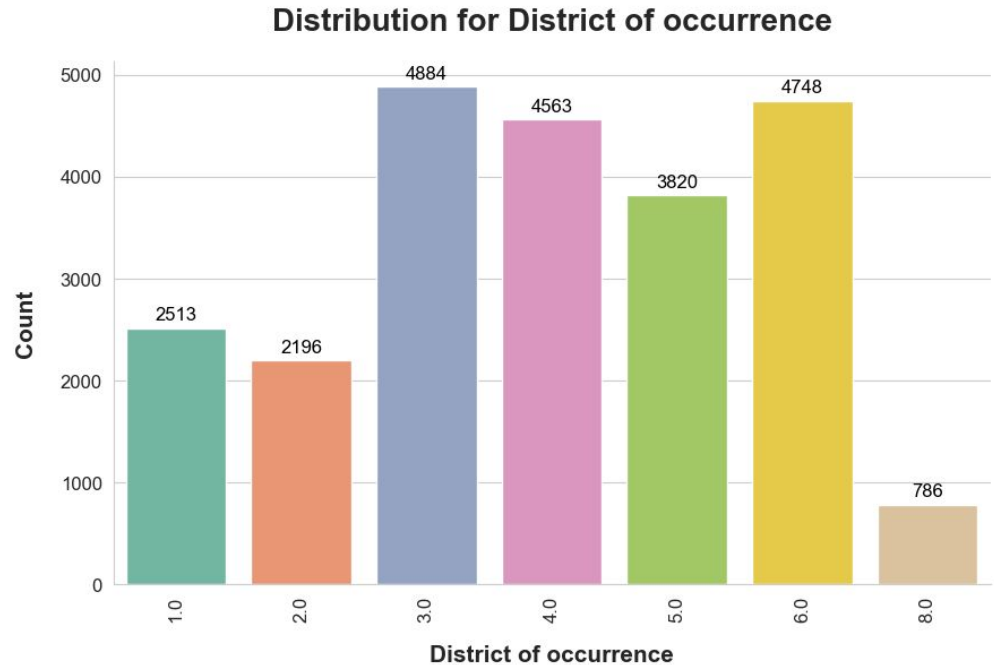
Arrests Done by Various Bureau Per District

- Most of the arrest is done by PSB.
- Most of the subjects are arrested from the district 3.0

Distribution for Assigned Bureau
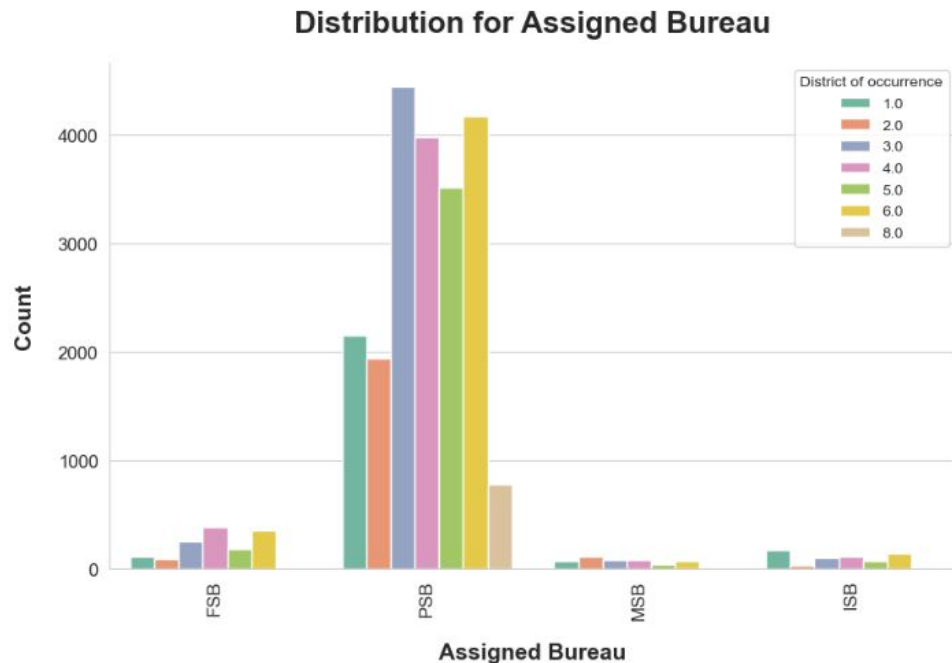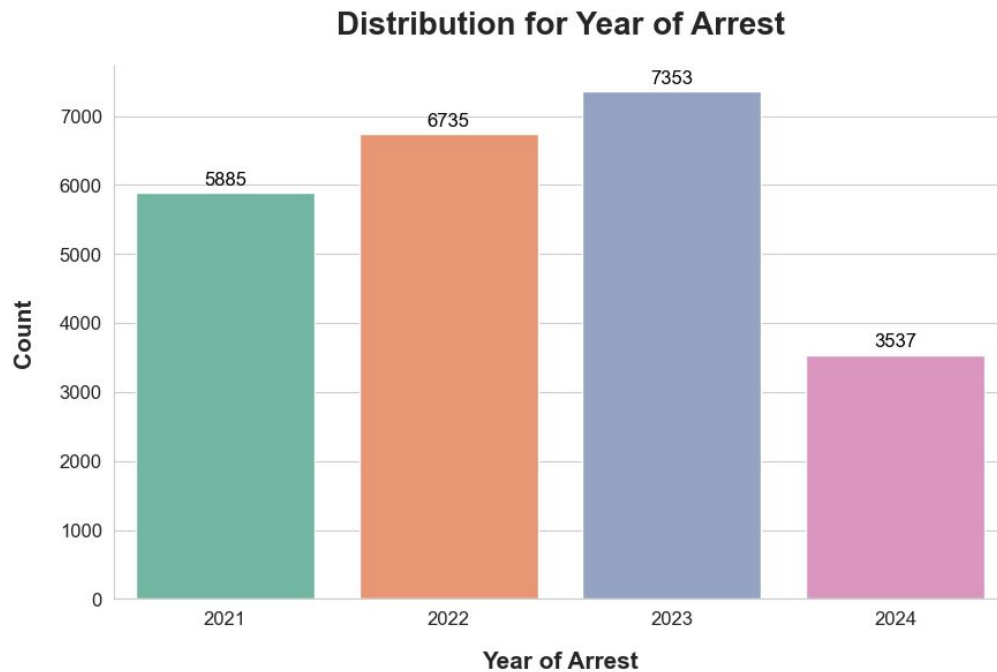
Arrests Done by Various Divisions

- Most of the arrest is done by 3D division followed by 4D,5D,GPD.

Distribution for Assigned Division

Arrests Per Year

- In the year of 2023 maximum arrests happened.

Distribution for Year of Arrest

Arrests per Month in a Year

Below table show in which month of a year maximum arrest happened:

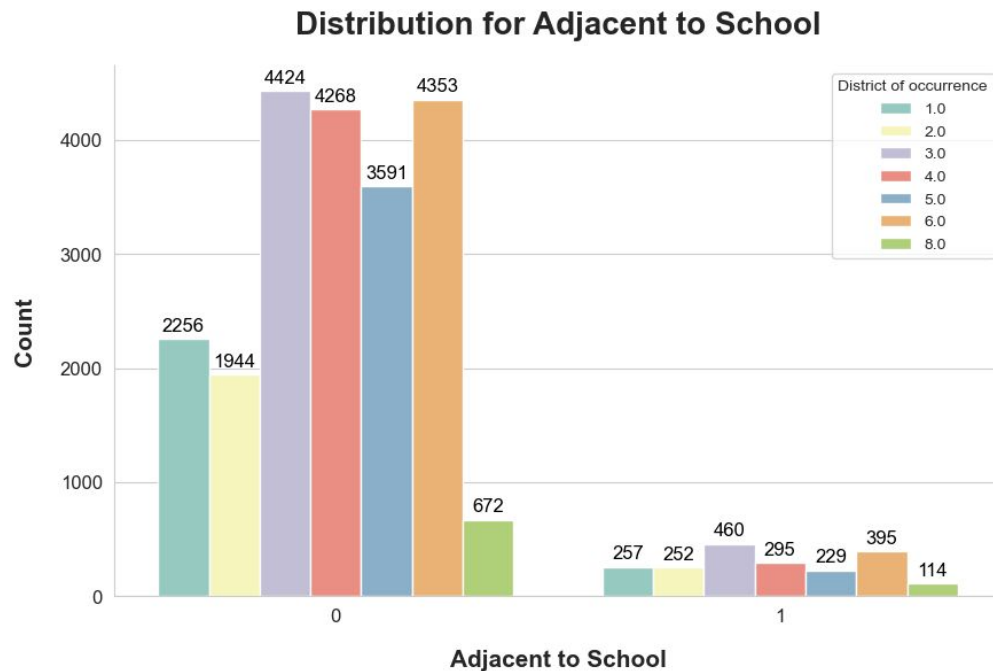| YEAR	MONTH
2021	December
2022	March
2023	November
2024	February

Distribution for Year of Arrest Month Wise
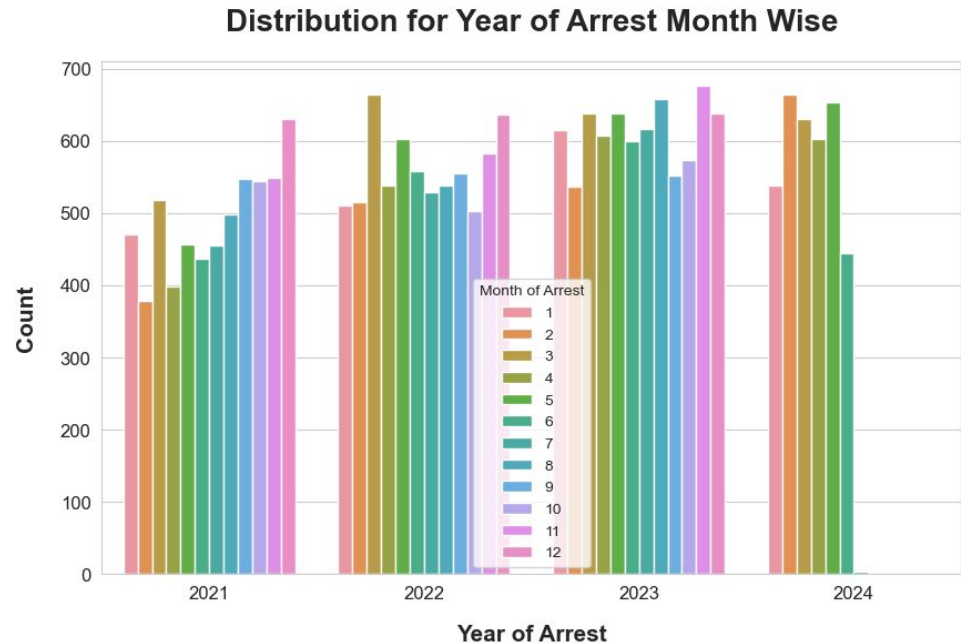
Arrests near a school in the District of Occurrence

- Most of the arrests are not done near school in within a district.

Distribution for Adjacent to School

Conclusion

- Most of the subjects arrested are male and are aged between 20-40 years.
- The major chunk of subjects are non- hispanic.
- Most of the arrests has taken place in 3.0 district.
- Most of the arrests happened in the year 2023.
- 3D division and PSB bureau handled most of the arrests .