

NYPD Crime Analysis Report - Inferences

Time-Based Analysis

- **Yearly Arrests:** All arrests recorded in the dataset occurred in **2024**.
- **Monthly Arrests:** The peak month for arrests was **August (22,957 arrests)**.
- **Weekly Arrests:** Weekly arrests fluctuated between **3,763 (lowest)** and **5,598 (highest)**.
- **Daily Arrests:** The peak day for arrests was **Wednesday (44,447 arrests)**.

Crime Patterns & Trends

- **Top 5 Most Frequent Crimes:**
 1. **Assault 3 & Related Offenses** – 38,238 arrests
 2. **Petit Larceny** – 27,107 arrests
 3. **Felony Assault** – 22,606 arrests
 4. **Dangerous Drugs** – 18,519 arrests
 5. **Miscellaneous Penal Law Violations** – 16,541 arrests

Geographic Analysis

- **Felony vs. Misdemeanor Arrests by Precinct:** Arrests are categorized as **felonies (F)**, **misdemeanors (M)**, and other classifications across **79 precincts**.
- **Borough with the Highest Arrests:** **Brooklyn (K)** leads with **72,325 arrests**, followed by **Manhattan (M)** - **61,969 arrests**.

Demographic Analysis of Arrests

- **Age Distribution:**
 - **25-44 years:** 152,034 arrests (largest group)
 - **45-64 years:** 51,121 arrests
 - **18-24 years:** 43,174 arrests
 - **Under 18:** 9,525 arrests
 - **65+ years:** 4,649 arrests
- **Race Distribution:**

- **Black:** 122,049 arrests
- **White Hispanic:** 69,131 arrests
- **Black Hispanic:** 26,549 arrests
- **White:** 26,161 arrests
- **Asian/Pacific Islander:** 14,838 arrests
- **American Indian/Alaskan Native:** 819 arrests
- **Unknown:** 956 arrests
- **Gender Distribution:**
 - **Male:** 213,587 arrests
 - **Female:** 46,916 arrests

Predictive & Preventive Insights

- **High-Crime Precincts (Top 10 by Arrests):**
 1. **Precinct 14** – 9,887 arrests (highest)
 2. **Precinct 75** – 8,675 arrests
 3. **Precinct 40** – 8,389 arrests
 4. **Precinct 103** – 7,983 arrests
 5. **Precinct 44** – 7,690 arrests
 6. **Precinct 46** – 6,605 arrests
 7. **Precinct 110** – 6,440 arrests
 8. **Precinct 73** – 5,727 arrests
 9. **Precinct 120** – 5,535 arrests
 10. **Precinct 18** – 5,487 arrests
- **Precinct 14** has the highest number of arrests, indicating a potential high-crime area.

Conclusion

The NYPD Crime Analysis provides insights into crime patterns, peak arrest periods, and demographic trends, helping to guide law enforcement and community safety initiatives.