

Arrests in New York City

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Issue:

Which demographic has the greatest number of arrests and for what crime in New York City?

Analysis:

We analyzed New York Police Department (NYPD) arrest data from 2014-2017, provided by NYPD. We selected this data for analysis because New York City (NYC) has recently employed Dr. McKinney as Chief of Police. The demographics of people arrested and the commonality of crimes committed in the Chief's prior jurisdiction are believed to be very different from NYC.

In our analysis, we used the number of arrests rather than a rate of arrests because that is what was provided in our dataset. More information would need to be collected to do a further analysis of the crime rates referring to the population. Additionally, there are many different types of crimes committed that have a lower number of arrests that we wanted to represent as a count in our visualizations.

Visualization 1:

To begin our analysis of arrest records in NYC, we examined the data for all five age groups. From this examination, we discovered that the age group of 25-44 has the greatest number of arrests recorded between 2014 and 2017. The total number of arrests for this age group was 503,796. This record count is substantially greater than any of the other four age groups.

Visualization 2:

After analyzing the data by age group, we narrowed the demographic of individuals being arrested by analyzing the race and sex distribution in the 25-44 age group. In comparing arrests categorized by race, we discovered that African Americans had the greatest number of recorded arrests. Additionally, we found that for all races, males had a greater number of arrests than females. Therefore, this visualization brought to light that African American males age 25-44 had the greatest number of recorded arrests between 2014 and 2017 in NYC, totaling 189,944.

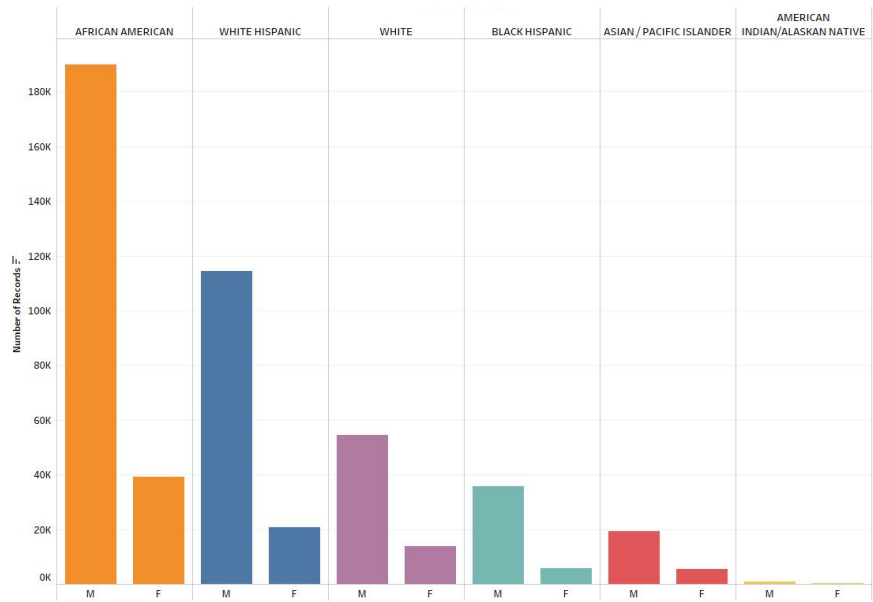
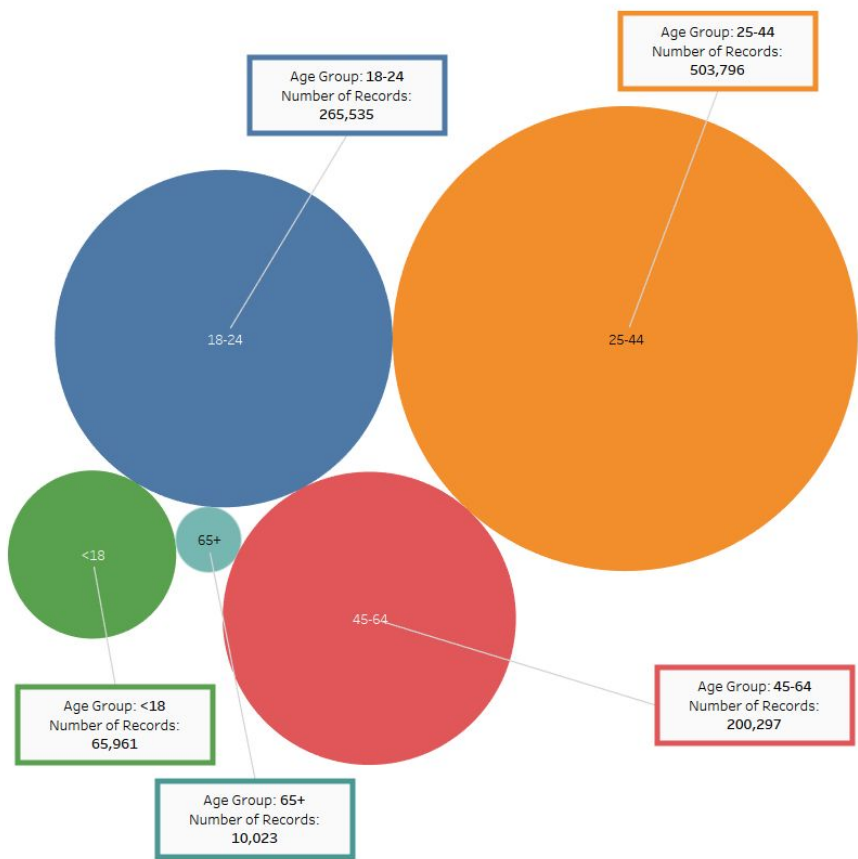
Visualization 3:

After focusing in on the demographics of African American males age 25-44, we analyzed all crimes being committed by this group of individuals. This analysis showed us that the crime with the greatest number of arrests in NYC between 2014 and 2017 was "Dangerous Drugs". The total number of arrests for this demographic and crime was 28,757.

Conclusion:

The demographics of African American males age 25-44 have the greatest number of arrests for committing the crime of "Dangerous Drugs" between the years 2014 and 2017 in NYC.

Dr. McKinney: New York City Chief of Police



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