

VISUAL ANALYTICS OF D.C. CRIME

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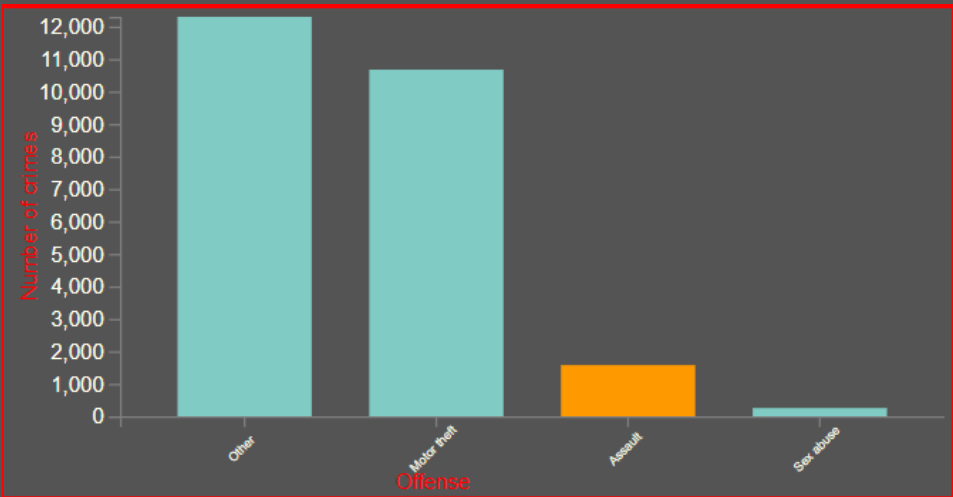
INTRODUCTION

Crimes are a very serious matter that afflicts society on a day to day basis. Police and other law enforcement agencies have today turned towards science to better explain crime and possibly prevent it. Our goal is to draw a correlation between crimes occurring in an area to the external factors which would help explain how crimes are spread out in an area.

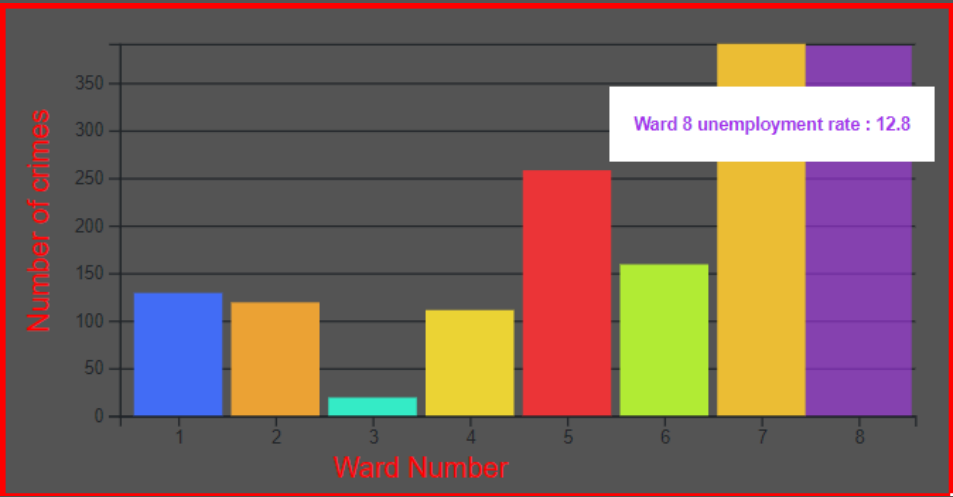
OBSERVATIONS



The map on the top left shows the distribution of assault crimes throughout the D.C. area.



We can see the distribution of crimes based on type of Offense.



Distribution of Assault Crimes amongst the wards in the D.C. area

CONCLUSION

From the above plots, we can see that Ward 8 had the highest number of assault crimes. In addition, ward 8 also had the highest unemployment rate. We can notice a correlation between unemployment rate and assault crimes. This supports our hypothesis that wards with higher unemployment rates report higher violent criminal activity. With our analysis, we can also identify high-risk geographic locations in the D.C. area.