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**Analyzing the use of force by Dayton Police**

1. Executive Summary

Police data initiative defines the use of force (UOF) as the amount of effort required for compelling compliance or overcoming resistance to protect life or property or to take a person into custody. The provision nine of Eighth United Nations Congress on the Prevention of Crime and the Treatment of Offenders adopted September 1990 stipulates that law enforcement officials shall not use firearms against persons except in self-defense or defense of others against the imminent threat of death and only when less extreme means are insufficient to achieve these objectives

Recently in news, among other cases, we have heard of the death of George Floyd by a police officer. The police are not safe either as media reported three law enforcement officers killed in Kentucky attempting to serve a warrant. Some groups claim that the police use brutality especially against black community while other suggest that police also need to be protected against physical attacks, they face in their job including deaths.

This paper investigates how Dayton police handles cases that requires them to use force. We shall compare use of force by race and investigate numbers of injured citizens versus injured officers. We shall use data from year 2018 found at Dayton police transparency portal

1. Introduction
2. The Washington reports that 1058 people have been shot and killed by the police nationwide in last year. Young male dominates those death cases. As the numbers keep growing on national level, this report analyses Dayton Ohio figures. It will answer questions like:
3. Are numbers where police use force growing or dropping over years?
4. Do the police have bias using force on certain race?
5. Compare arrest resistance by gender
6. What is the age group that fight the police the most?
7. Reasons that prompted police to use force
8. Probability that male will combat police by race

#### Data Characteristics

This Summary report on uses data set collected from Dayton police website. It comprises of use of force figures for years 2018, 2019 and 2022. Most of the data is categorical variables such as Sex, Race, reason for using force, injured officers, injured citizen, age, etc. The plots used for visualization will be most likely categorical

**Men resist arrests than females**

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**The number of uses of force is higher in black than white**

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**Police officers get injured by citizens, too**

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# The use of force numbers has significantly decreased since 2019

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# Citizen of age between 26-35 are more likely to resist arrest that other age groups

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# Top three reasons as to why police used force

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# Probability that an office will be combatted is higher in black male than white male

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# Summary and Conclusion

# As shown above, the number of uses of force by the police has been declining overs years. We could not establish in this analysis what caused the numbers to decline but could be that the police have been cautions on that or could be that the resistance by citizen went down. Also, it is worth mentioning that the data collected by the policy did not follow well known data collection techniques so that the result can be applied to the whole Dayton demographics, all we did was just analyzing data set of people in police database. As To whether the police abide with national convention on use of force or national laws, we could not arrive to the conclusion as data we used was gathered by the police, so the reasons they said prompted them to use force and number of injuries have not been verified by an independent body.

# References

<https://dayton-transparency-portal-1-daytonohio.hub.arcgis.com/datasets/useofforce-type-opendata-hosted-1/explore?showTable=true>

[**https://www.unodc.org/documents/congress/Previous\_Congresses/8th\_Congress\_1990/028\_ACONF.144.28.Rev.1\_Report\_Eighth\_United\_Nations\_Congress\_on\_the\_Prevention\_of\_Crime\_and\_the\_Treatment\_of\_Offenders.pdf**](https://www.unodc.org/documents/congress/Previous_Congresses/8th_Congress_1990/028_ACONF.144.28.Rev.1_Report_Eighth_United_Nations_Congress_on_the_Prevention_of_Crime_and_the_Treatment_of_Offenders.pdf)

**https://www.census.gov**