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Overview

- Goal: to determine which locations are more at risk for violence and shootings
- Steps
 - 1.Understand data
 - 2.Cluster
 - via Per Capita Incomes
 - via location's venues

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Understanding the Data

- The first step was to map the initial distributions in two ways:
 - 1.by the number of incidences for each location in 2019
 - 2.by the average number of people killed per incidence

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Understanding the Data

- Initial thoughts:
 - Number of incidences does not predict the violence of each incidence
 - "At risk" can mean either at risk of shootings or at risk of higher violence

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Cluster via Per Capita Incomes

- 5 clusters created by quartiles of a boxplot
 - Cluster 1: first quartile, lower class
 - Cluster 2: second quartile, lower/mid class
 - Cluster 3: third quartile, middle class
 - Cluster 4: fourth quartile, upper middle class
 - Cluster 5: outlier, upper class

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Cluster via Per Capita Incomes

- Higher income locations have more incidences
- Lower/mid income locations have more violence (people killed) per incidence

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Background

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