Race, Crime, and Criminal Justice 4940
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Spatial Mapping with Tableau: Installing the Software

About Tableau
Tableau is a powerful visualizations tools recently purchased by SalesForce. It can produce a variety of beautiful charts a graphs that look much nicer than basic Excel visualizations. Tableau can also do basic mapping! A Tableau license is available for free for students with a .edu email address. You can use the key on two different devices.

Key Terminology
- **X/Y Coordinates**: Numerical values that allows every location on earth to be pinpointed.
    - **Latitude/Longitude**: Latitude is the north/south coordinate of a location based upon its distance from the equator. Longitude is the west/east coordinate of a location based upon its distance from the standard meridian.
- **Dimension**: "Qualitative values (such as names, dates, or geographical data). You can use dimensions to categorize or segment your data."
- **Measure**: "numeric, quantitative values that you can measure. Measures can be aggregated. When you drag a measure into the view, Tableau applies an aggregation to that measure (by default)."

Sample Research Questions
- What is the spatial relationship between gun and non-gun crimes?
- Are there any spatial patterns for homicides of people with drugs in their body at the time of the incident?
- Are there any spatial patterns of death circumstance?
- What does the homicide data say about historical events (e.g., the Mariel Boatlift of 1980)?
- What is the spatial relationship of drive-by shootings and ethnicity?