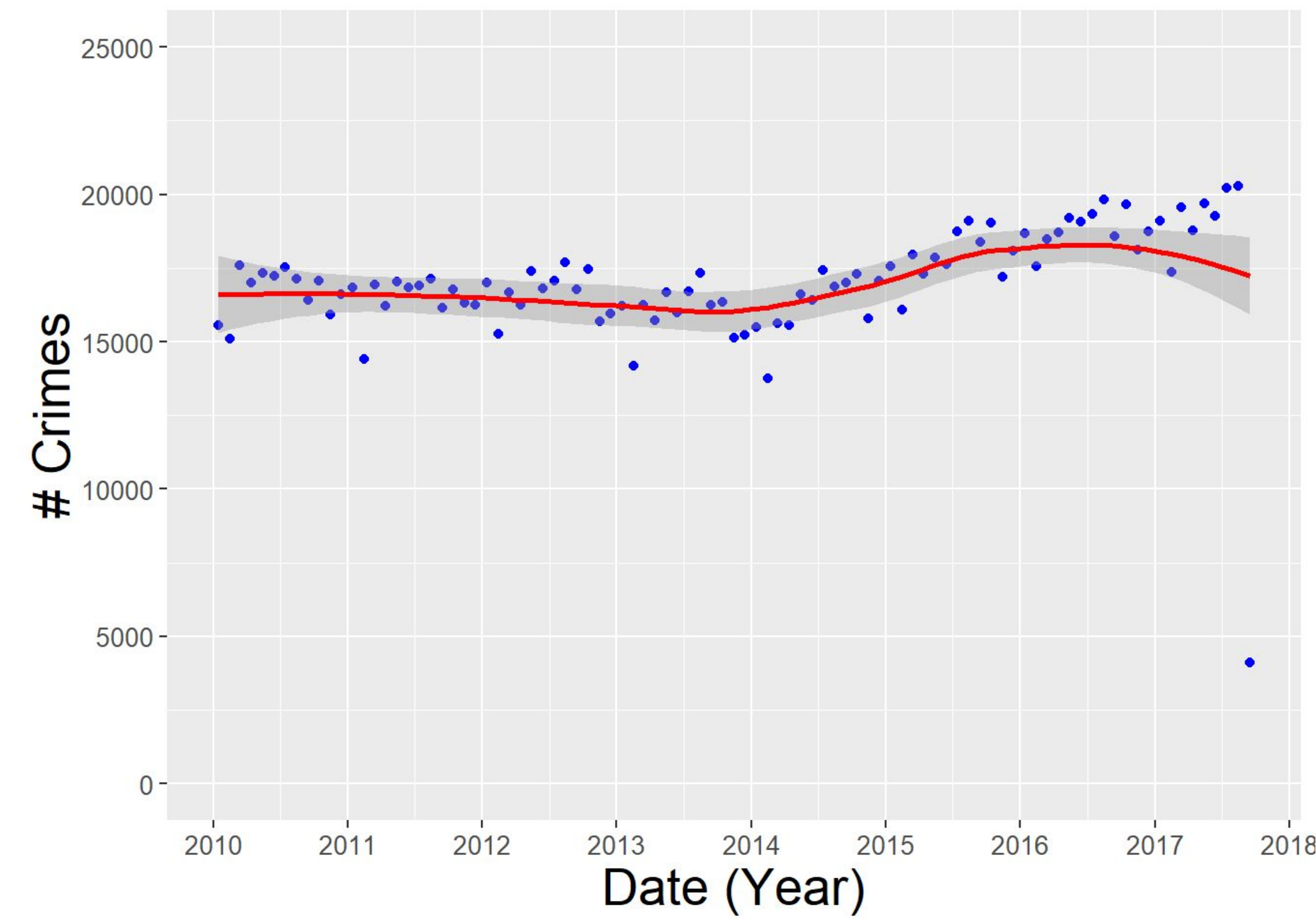


Summarizing Crime Trends in Los Angeles, California

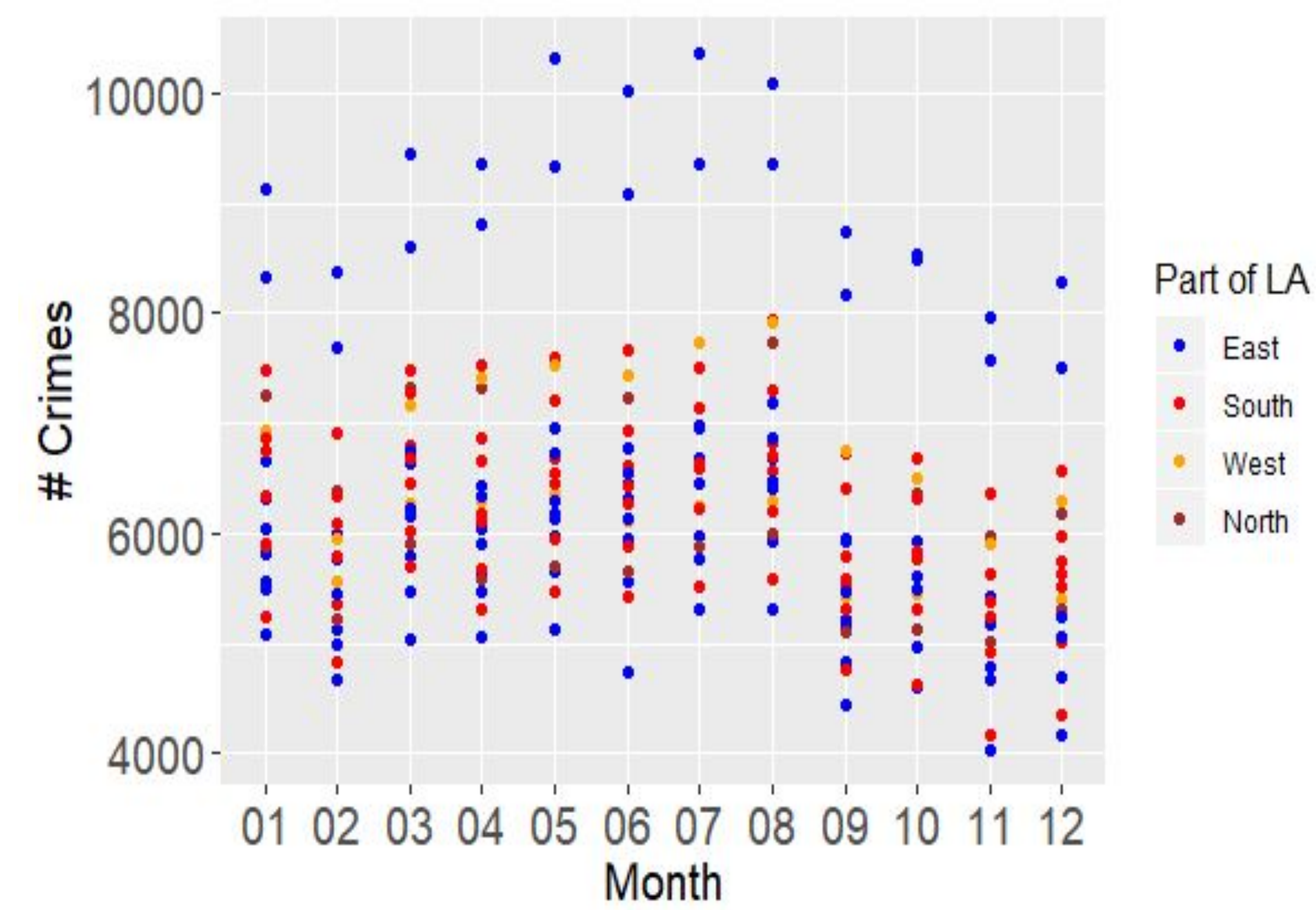
Inez Khan, Mason Paccione, Kady Yip, & Eric Su

Crime Counts by Month and Year



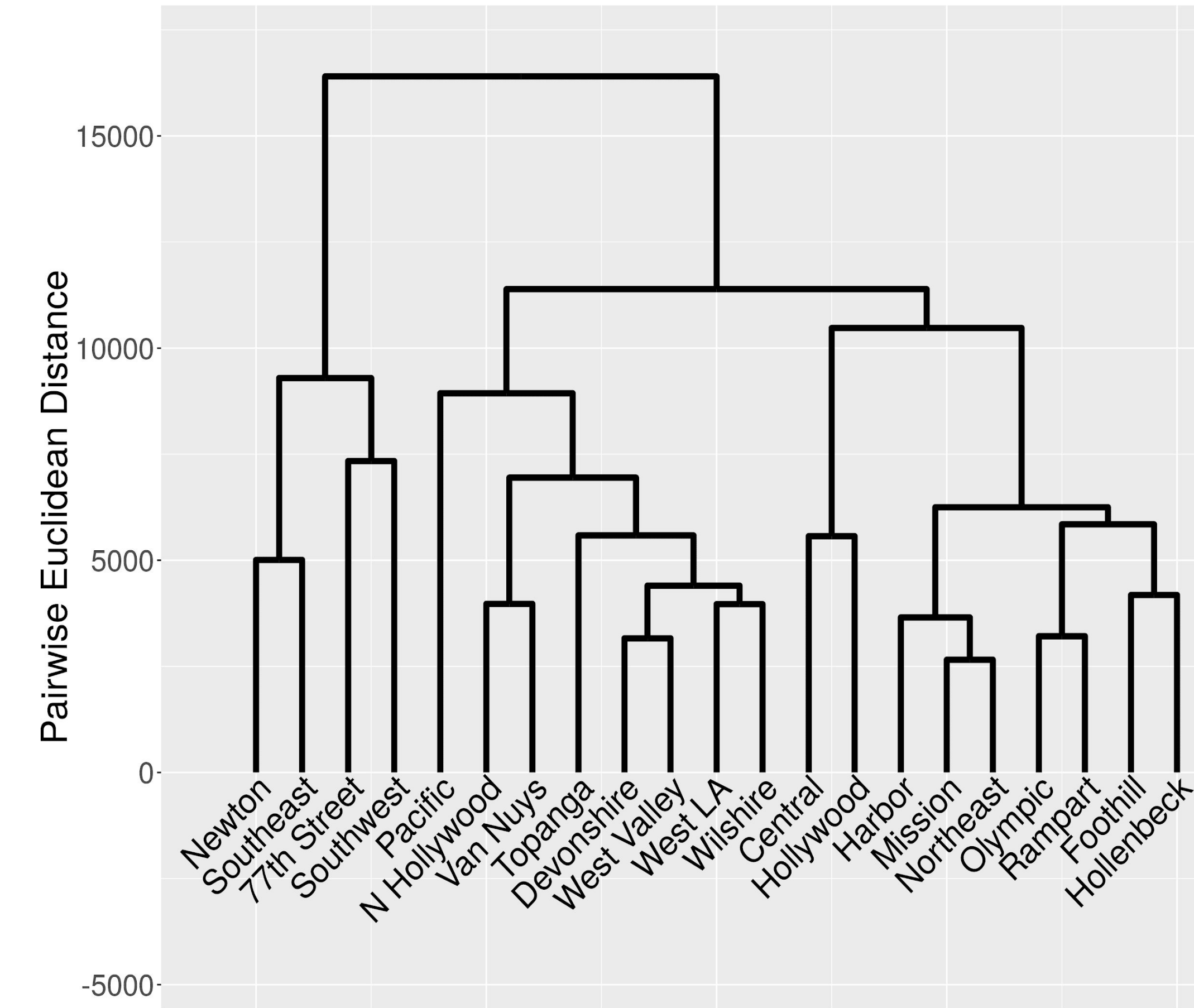
- Consistent yearly fluctuations, 2010 - 2017
- One distinct outlier - 09/2017
- General increase over time

Crime Counts per Month by Area



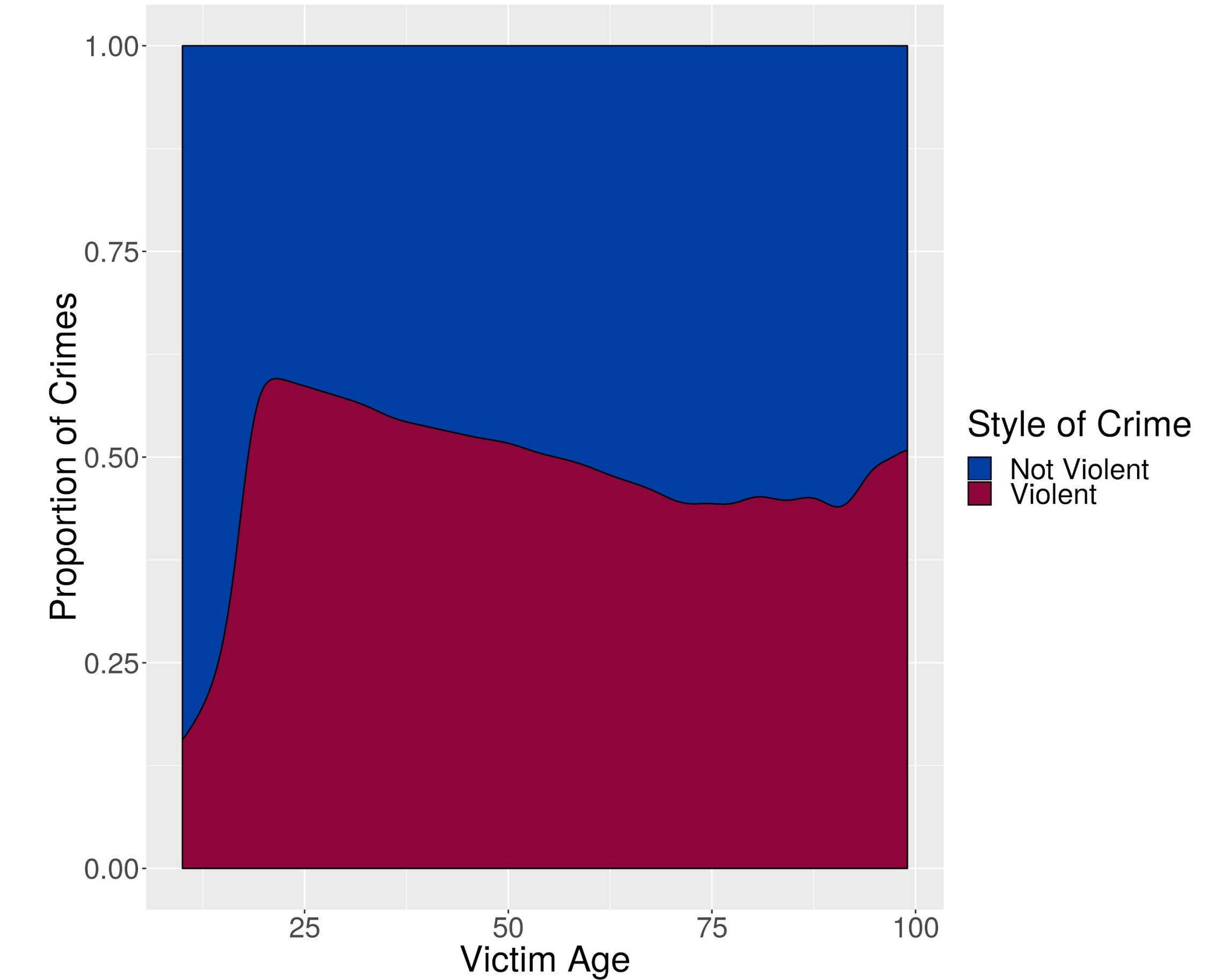
- Reinforces seasonal fluctuations
- Areas follow same fluctuations - summer peaks, etc
- Actual counts vary significantly

Similarity of Areas by Type of Crime



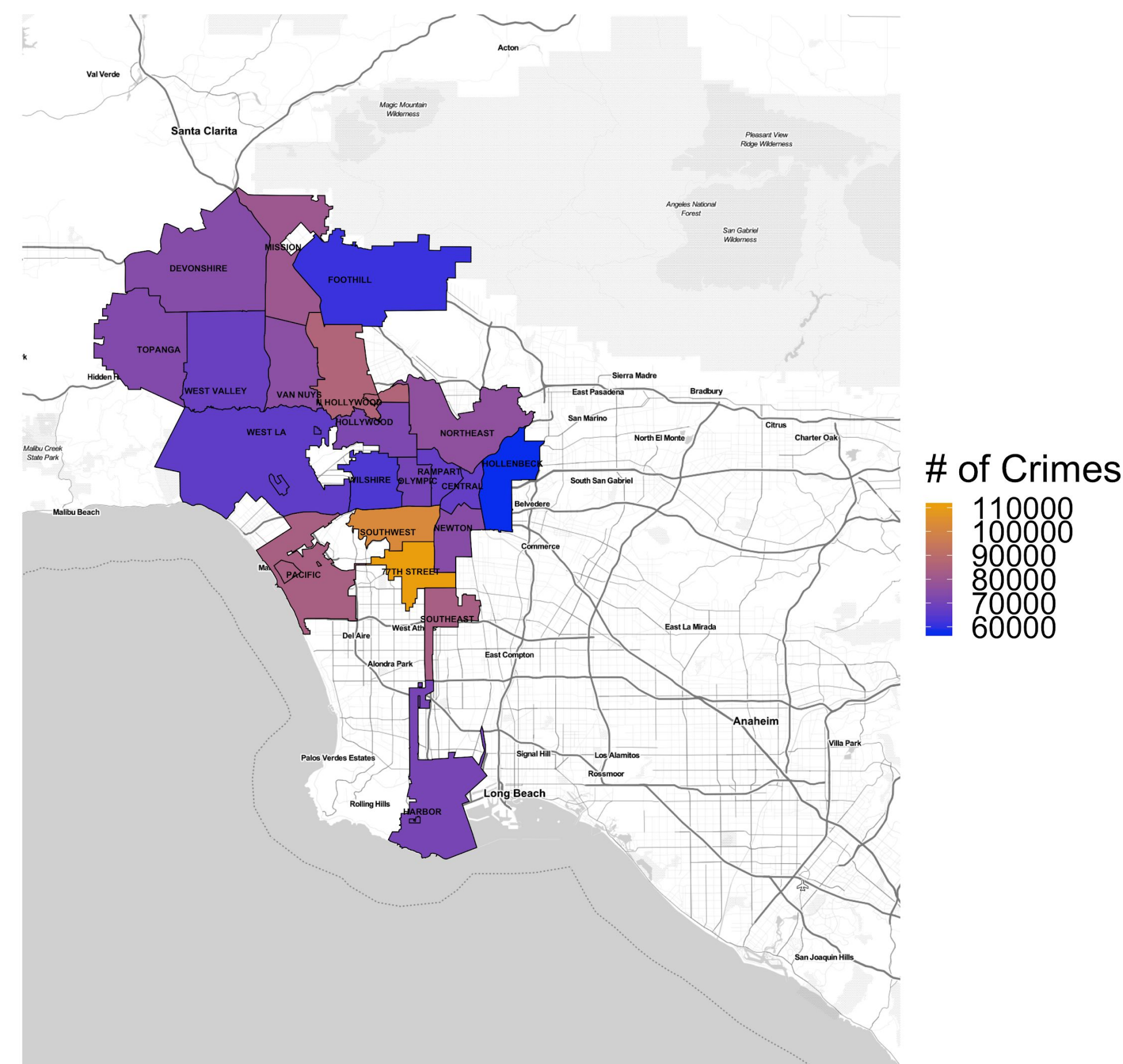
- Areas are grouped by rates of different types of crime
- Crime similarity isn't simply due to proximity
- Hollywood and N. Hollywood are as different as Harbor and Devonshire, but are much physically closer

Violent Crime By Victim Age



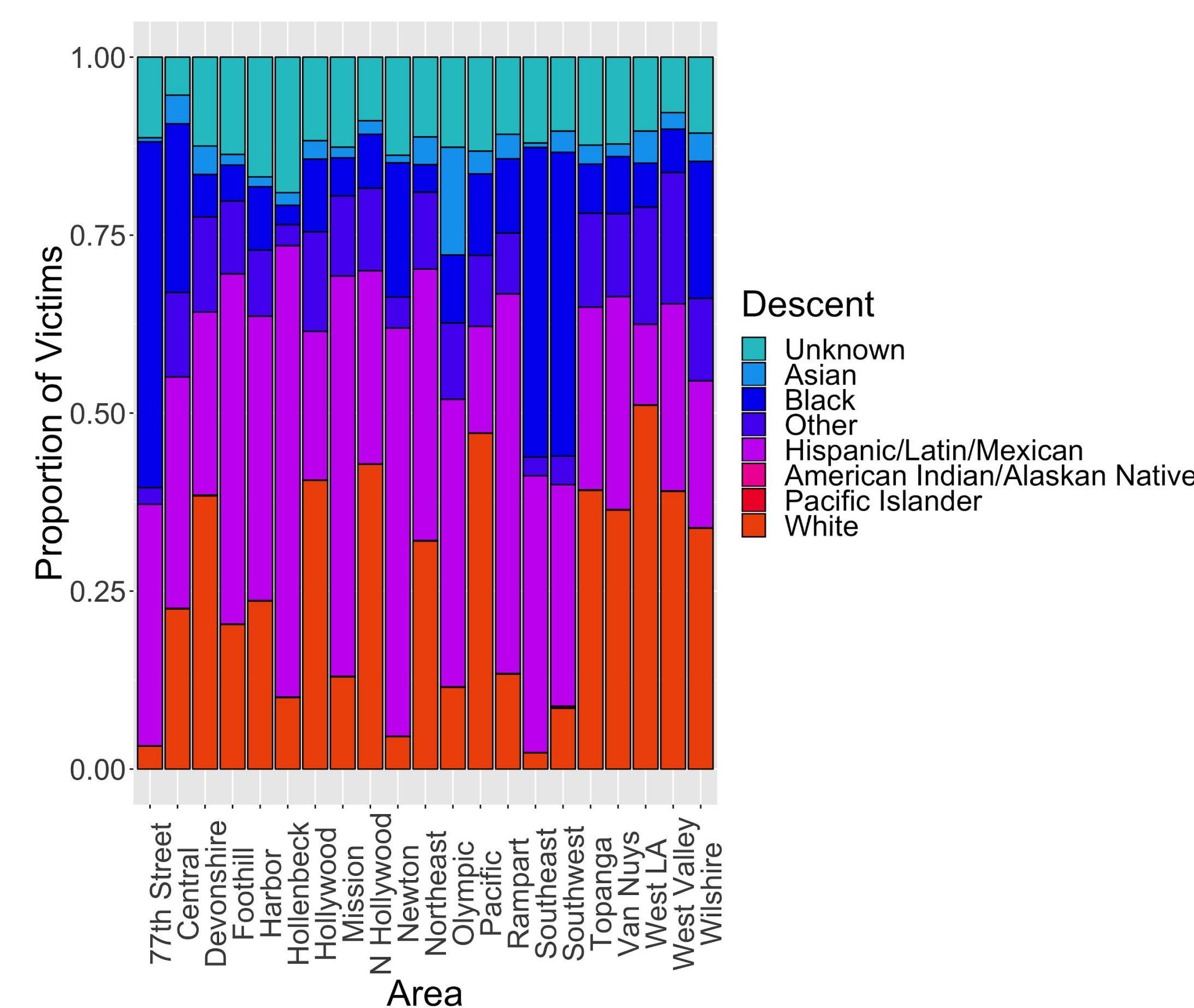
- Most violent crimes are perpetrated against persons in their early 20s
- Few violent crimes occur against children
- The elderly see an uptick in violence

Frequency of Crimes by Area



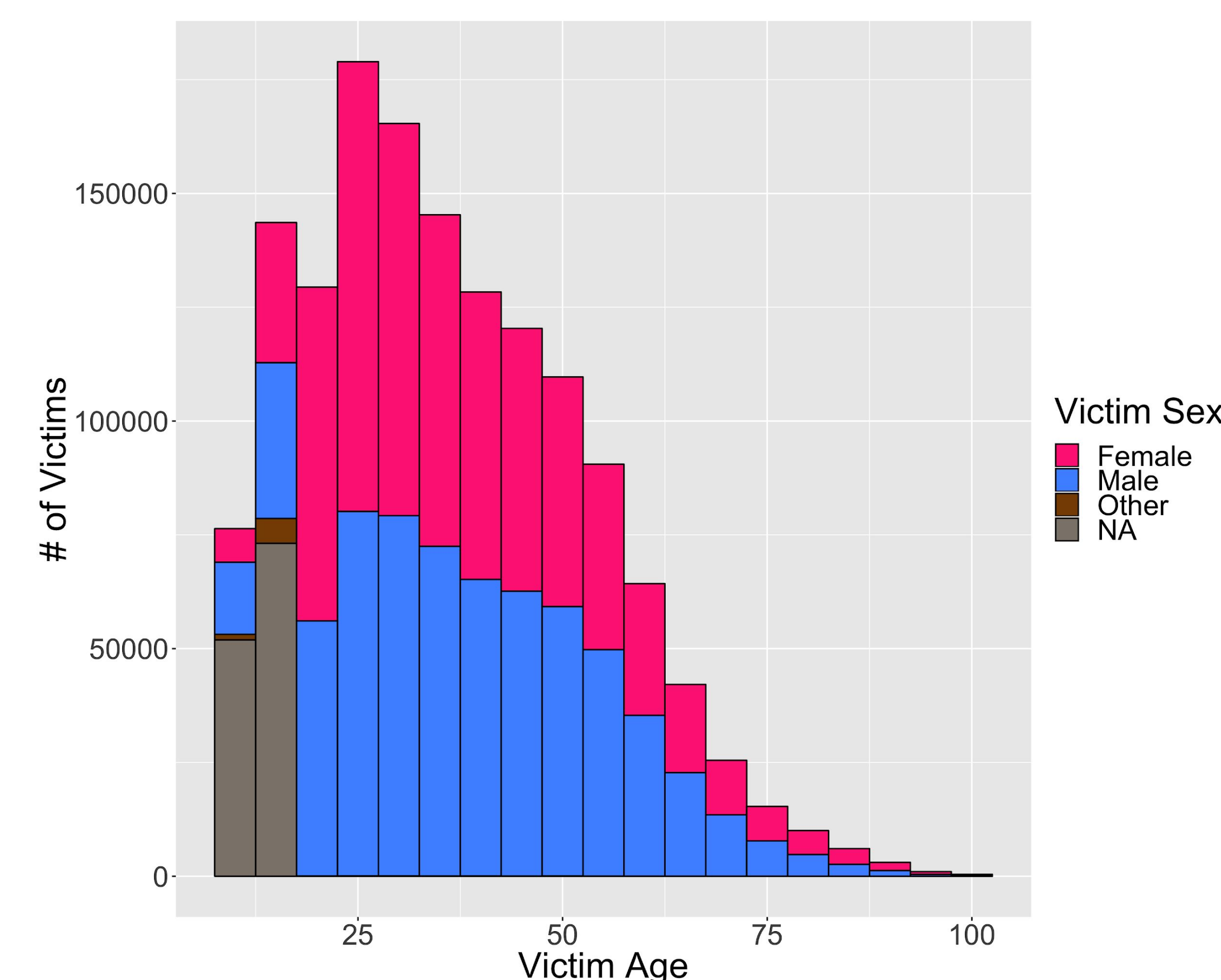
- The number of crimes appears to vary by area
- Most crimes occur in 77th Street and Southwest, which are located next to each other
- Comparatively, most places experience moderate to low amounts of crime

Proportion of Victims by Descent



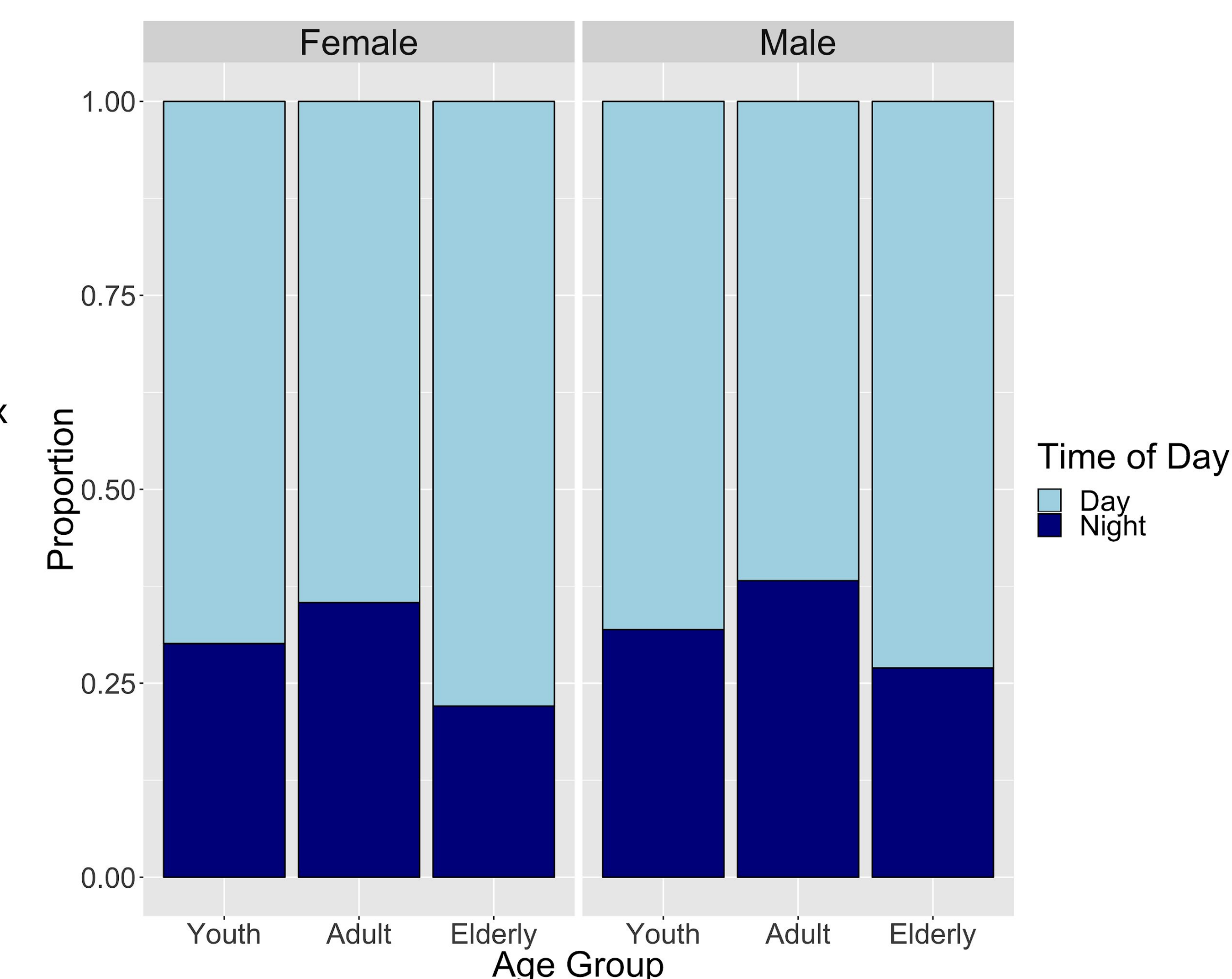
- Victims' descent appears to vary by area
- American Indians/Alaskan Natives and Pacific Islanders are rarely victims
- Whites, Hispanics/Latin Americans/Mexicans, and Blacks are the most common victims, but probably due to population demographics

Ages and Sexes of Victims



- Seems to have an equal amount of male and female victims
- Most victims are in the age group 20-25. After age 25, as age increases, number of victims decrease

Proportion of Victims by Time of Day



- Not a large difference in time of day proportions for males and females
- Highest proportions of victims of night crimes are adults, although difference does not seem significant

Source

- Dataset: <https://www.kaggle.com/cityofLA/crime-in-los-angeles>

Acknowledgement

- 36 - 315 Statistical Graphics and Visualization, Fall 2018