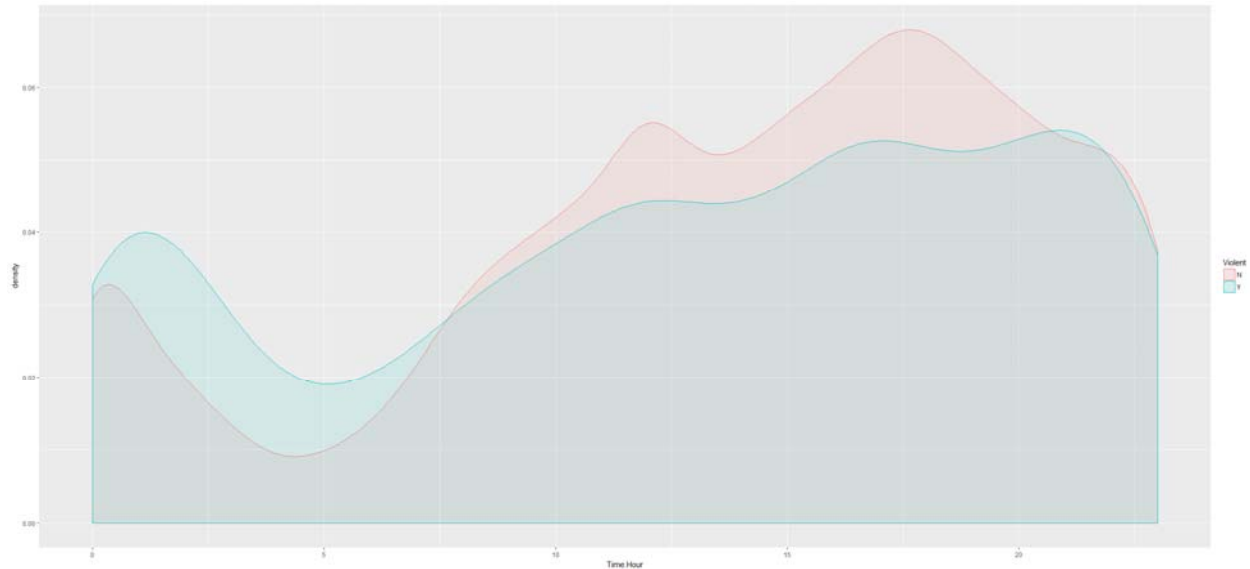


When are Violent Crimes More Likely to Occur in San Francisco?

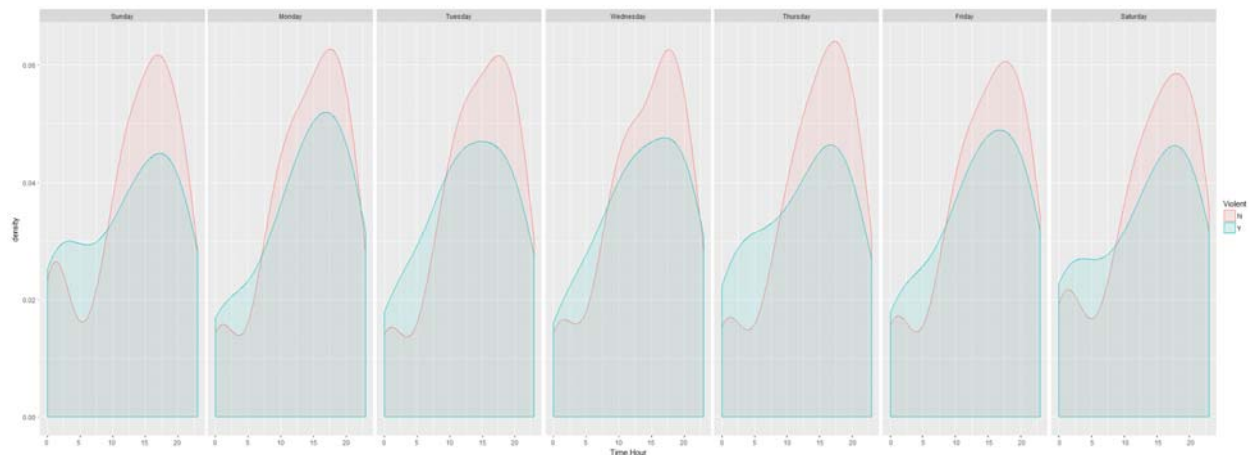
Using the San Francisco dataset, I split the crimes into 2 sets, violent and non-violent. Violent crimes were composed of Assault, Robbery, and Burglary while nonviolent contained all other crimes. I also grouped the time of day into hourly segments. I used R with ggplot2 to create the charts.

Initially I viewed all crimes by just the time of day they occurred. During daytime hours nonviolent crimes occurred more frequently than violent ones. The opposite can be seen for violent crimes during the night.



A few things can be seen when grouped by day of the week:

- The same general trend occurs, during the day nonviolent crimes occur more frequently.
- Nonviolent crimes have a noticeable peak early Saturday and Sunday
- Violent crimes are more frequent early Thursday



Grouping the data by month shows the same general trend. The peak frequency of violent crimes in the early morning increased each month during this 3 month period.

