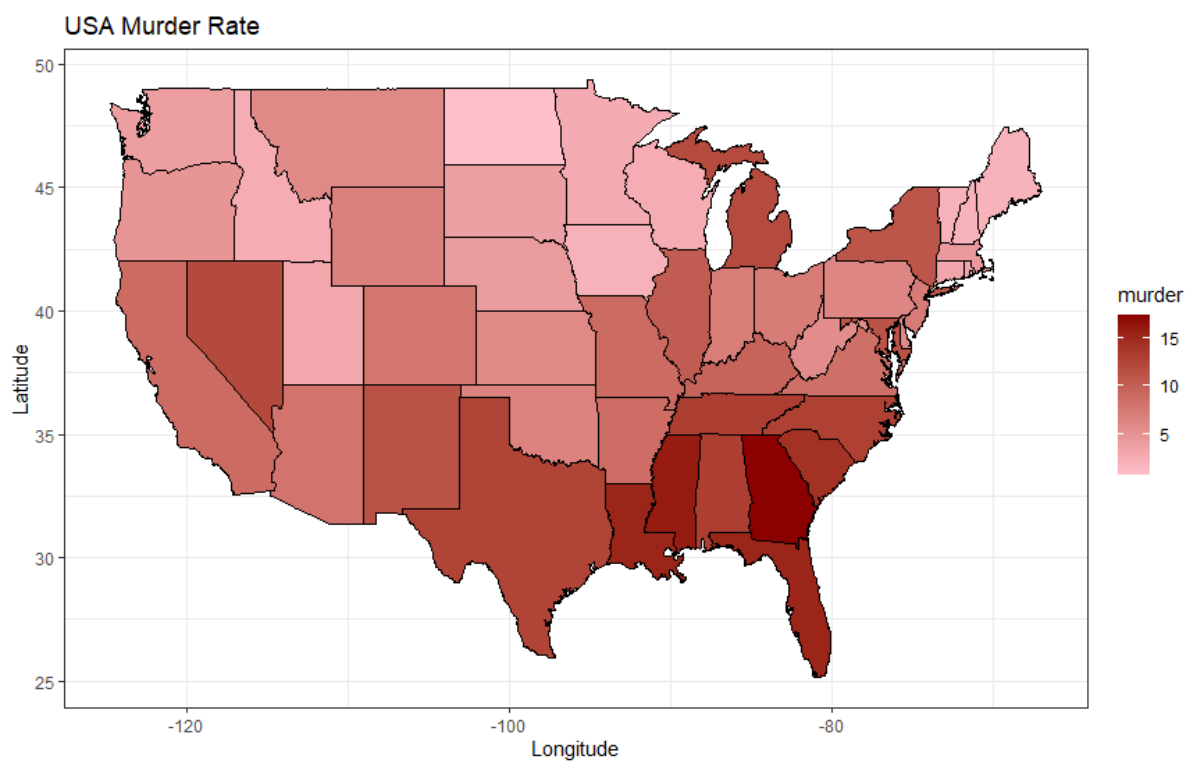


## Assignment 9

1. Modify the code so that states with high homicide rates are displayed in a darker red color.

```
ggplot(data, aes(fill = murder)) +  
  geom_map(aes(map_id = state), map = map, color='black') +  
  expand_limits(x = map$long, y = map$lat) +  
  scale_fill_gradient(low = 'pink', high='darkred') +  
  labs(x= 'Longitude', y='Latitude', title='USA Murder Rate') +  
  theme_bw()
```



**What.** A map of the United States showing the murder rate by state.

**Why.** To visualize which are the states and regions of the country with the higher murder rate.

**How.** An alpha scale showing darker red color for states with a higher murder rate and lower murder rates with pink. The state with the highest murder rate is Georgia, and the lowest is North Dakota.

"Written by Carlos Vintimilla"