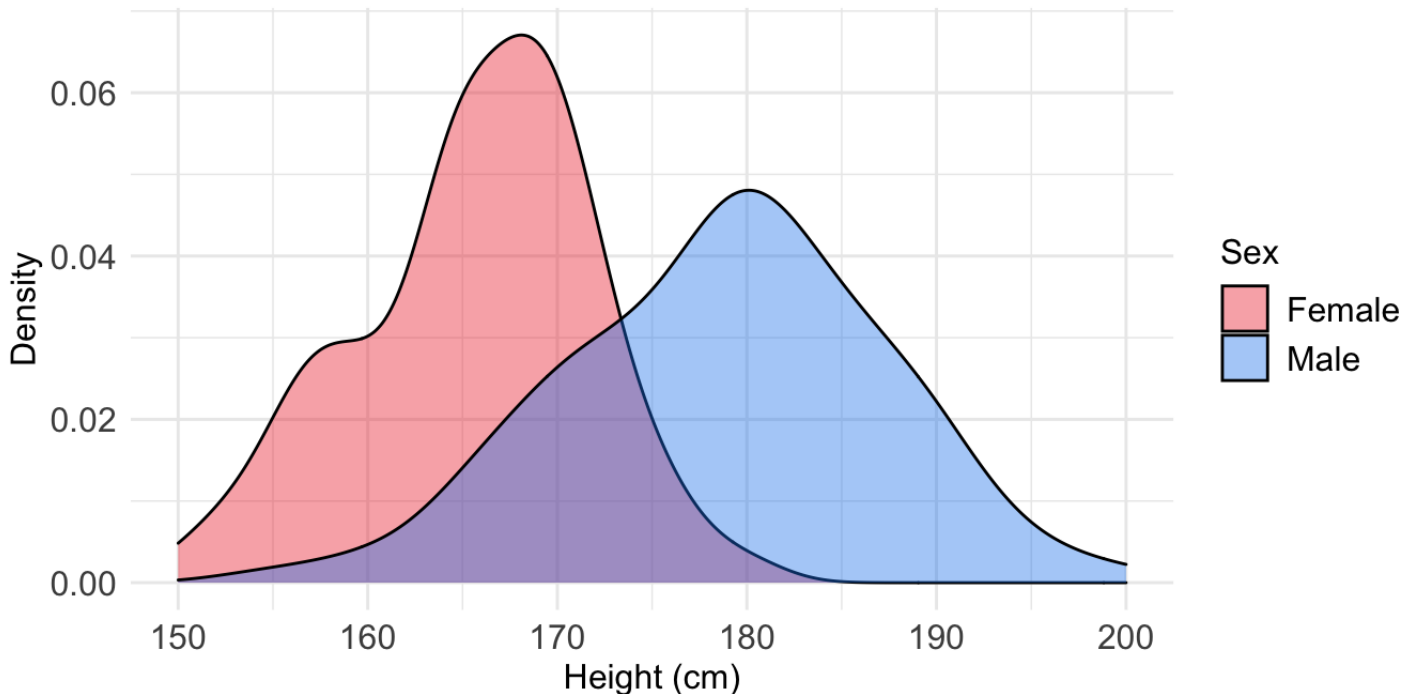


# Vizing your Data!

## DENSITY



```
ggplot(sampleData) +  
  geom_density(aes(Height, color=Sex, fill=Sex), alpha=0.4) +  
  xlab('Height (cm)') + ylab('Density') +  
  theme_minimal() +  
  scale_fill_manual(values = c('Female'='firebrick2',  
                                'Male' = 'dodgerblue2')) +  
  theme(axis.text=element_text(size=12),  
        axis.title = element_text(size=12),  
        legend.text = element_text(size=12),  
        legend.title = element_text(size=12))
```

## plot information

### About

A density plot visualizes the distribution of a numeric variable over a continuous interval. A variation of histogram, density plot serves better in determining the distribution shape of data.

### Common usage

Comparing distributions of a variable between groups

### Number of / Type of Variables

- 1 numeric
- 1 per numeric and categorical

### R Package

ggplot2

### R Function

geom\_density