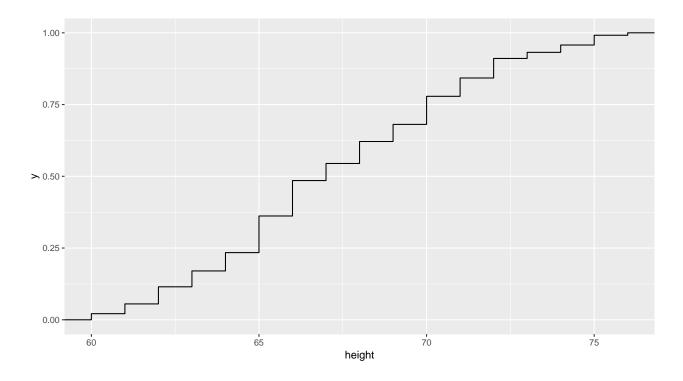
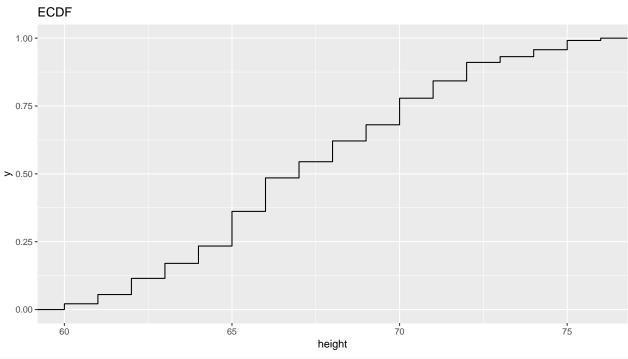
Introduction to EDA

Pramod Duvvuri 3/11/2019

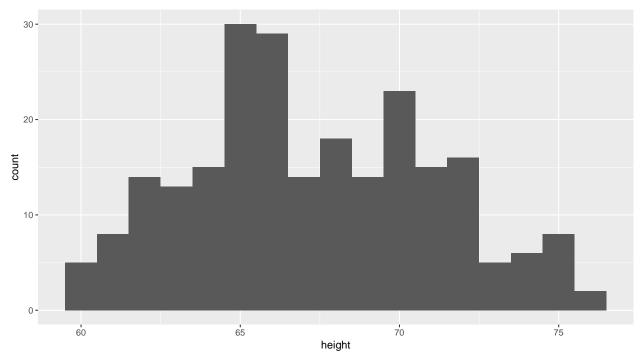
Learning ggplot2



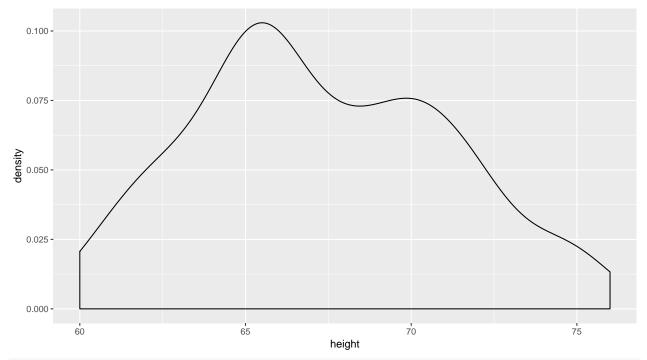
Basic Plots

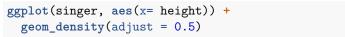


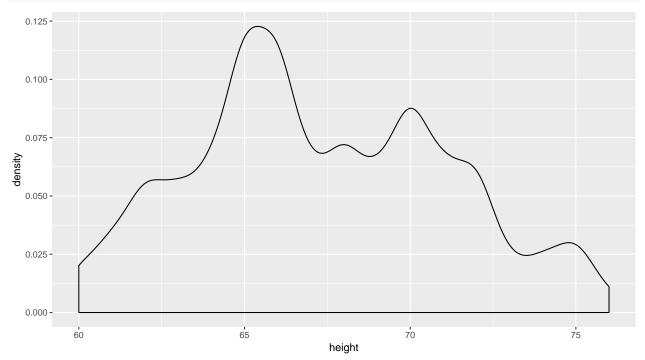




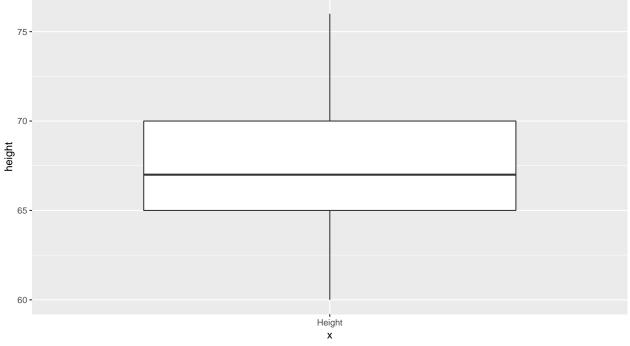
```
# Density Plot
ggplot(singer, aes(x= height)) +
  geom_density()
```

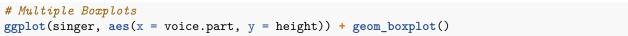


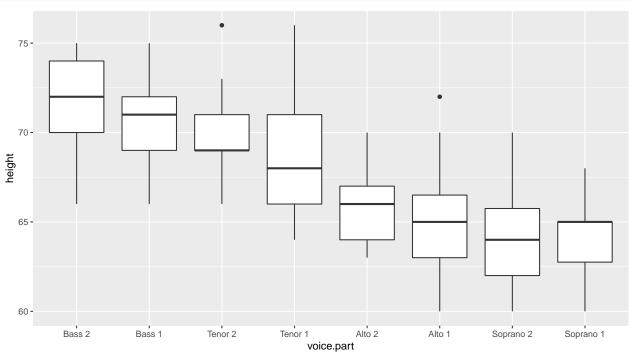




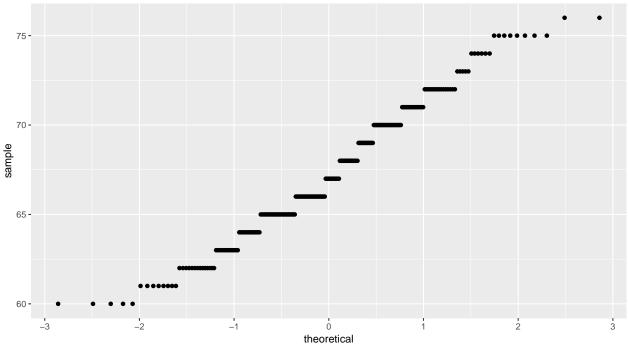
```
# Boxplot
ggplot(singer, aes(x= "Height", y = height)) + geom_boxplot()
```



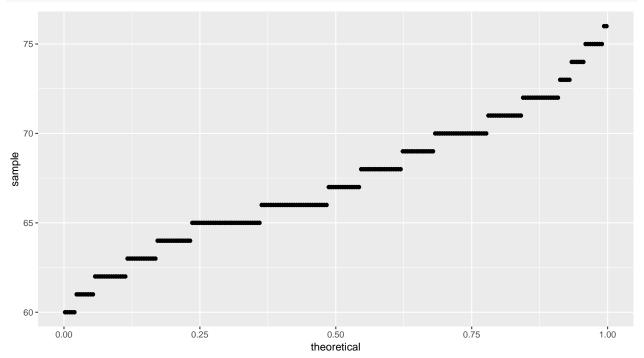




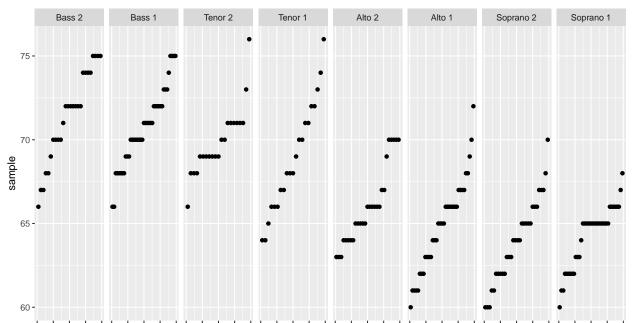
```
# QQ-Plot using a Normal Distribution
ggplot(singer, aes(sample = height)) + stat_qq()
```



```
# QQ-Plot using a Uniform Distribution
ggplot(singer, aes(sample = height)) +
stat_qq(distribution = qunif)
```



```
# Facet
ggplot(singer,aes(sample = height)) +
    stat_qq(distribution = qunif) +
    facet_grid(~voice.part)
```



```
# The plot above looks cramped, so lets try a grid with columns
# Facet with grid display
ggplot(singer, aes(sample = height)) +
    stat_qq(distribution = qunif) +
    facet_wrap(~voice.part, ncol = 2)
```

