

Basic graphics using GGLOT2

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```
# Packages used
```

```
install.packages('dplyr')  
install.packages('ggplot2')  
require(dplyr)  
require(ggplot2)
```

```
# Everything I create, in my profile, in R I'll try to create as equal as possible in Python.
```

```
# Data from: https://www.kaggle.com/abcsds/pokemon
```

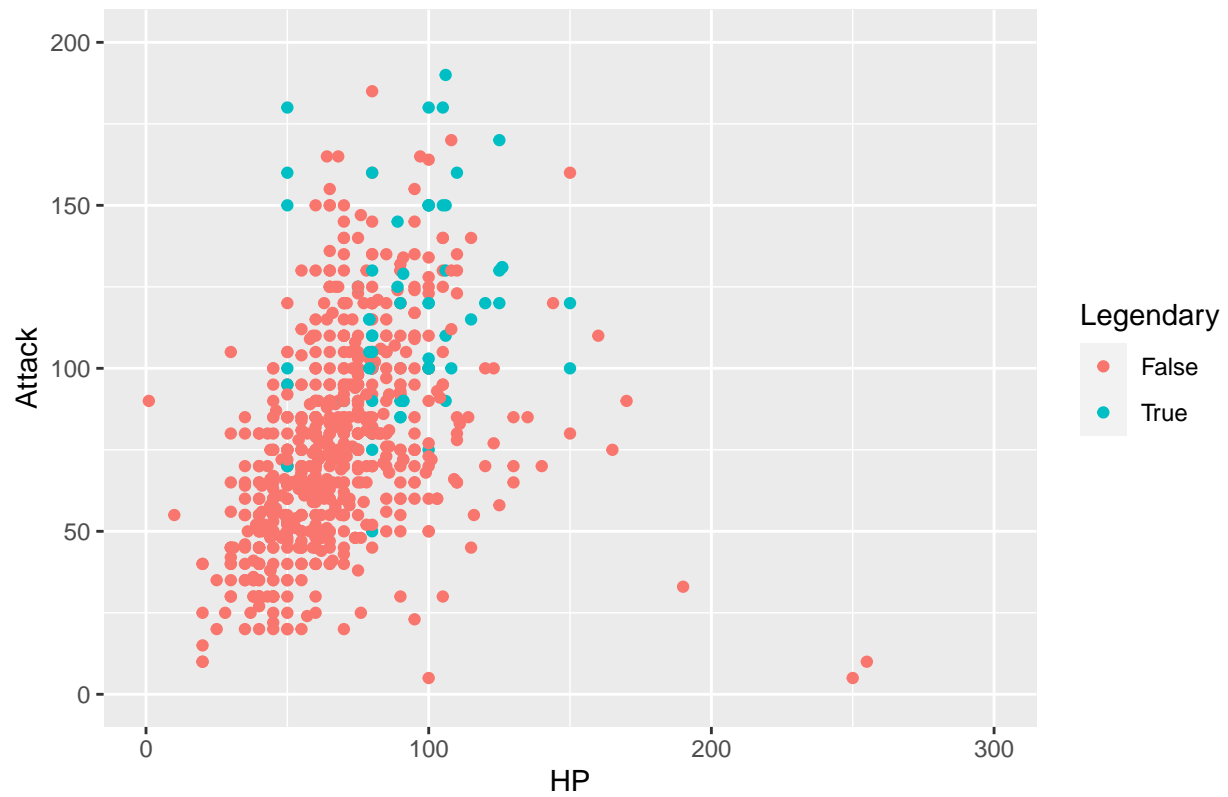
```
# Pre-processing
```

```
df = read.csv("Pokemon.csv")
```

```
# One Scatterplot Chart
```

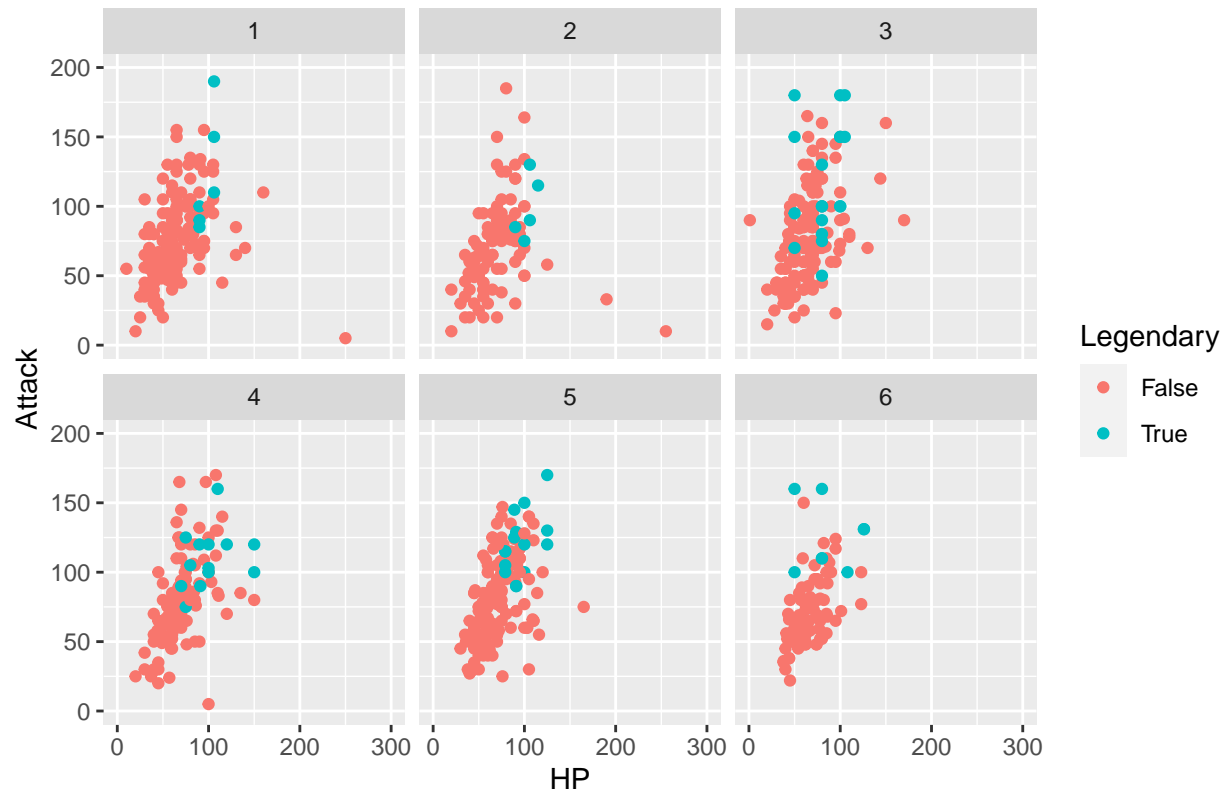
```
ggplot(data = df, aes(x = HP, y = Attack, color = Legendary)) + xlim(c(0, 300)) +  
  ylim(c(0, 200)) + geom_point() + labs(title = 'Scatterplot Chart Example')
```

Scatterplot Chart Example



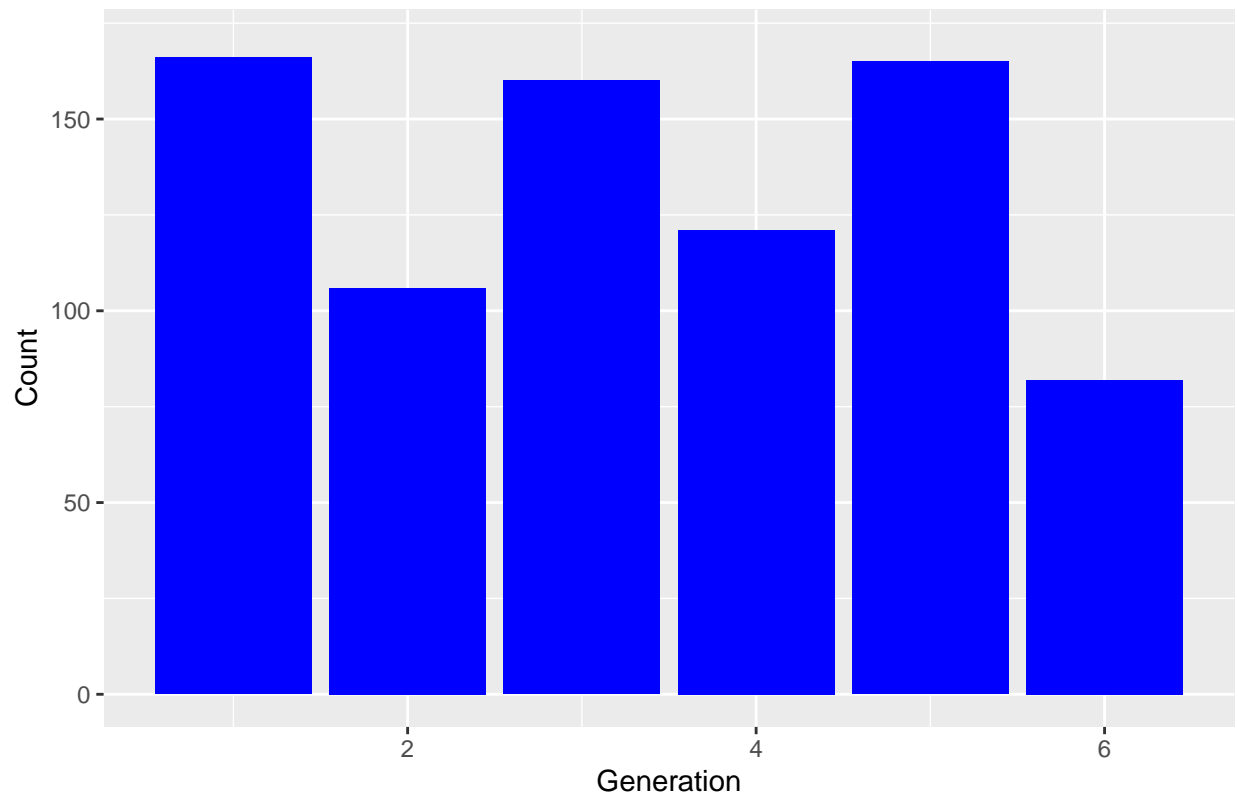
```
# Several Scatterplot Chart  
ggplot(data = df, aes(x = HP, y = Attack, color = Legendary)) + xlim(c(0, 300)) + ylim(c(0, 200)) +  
  geom_point() + labs(title='Scatterplot Chart Example') + facet_wrap(~Generation)
```

Scatterplot Chart Example



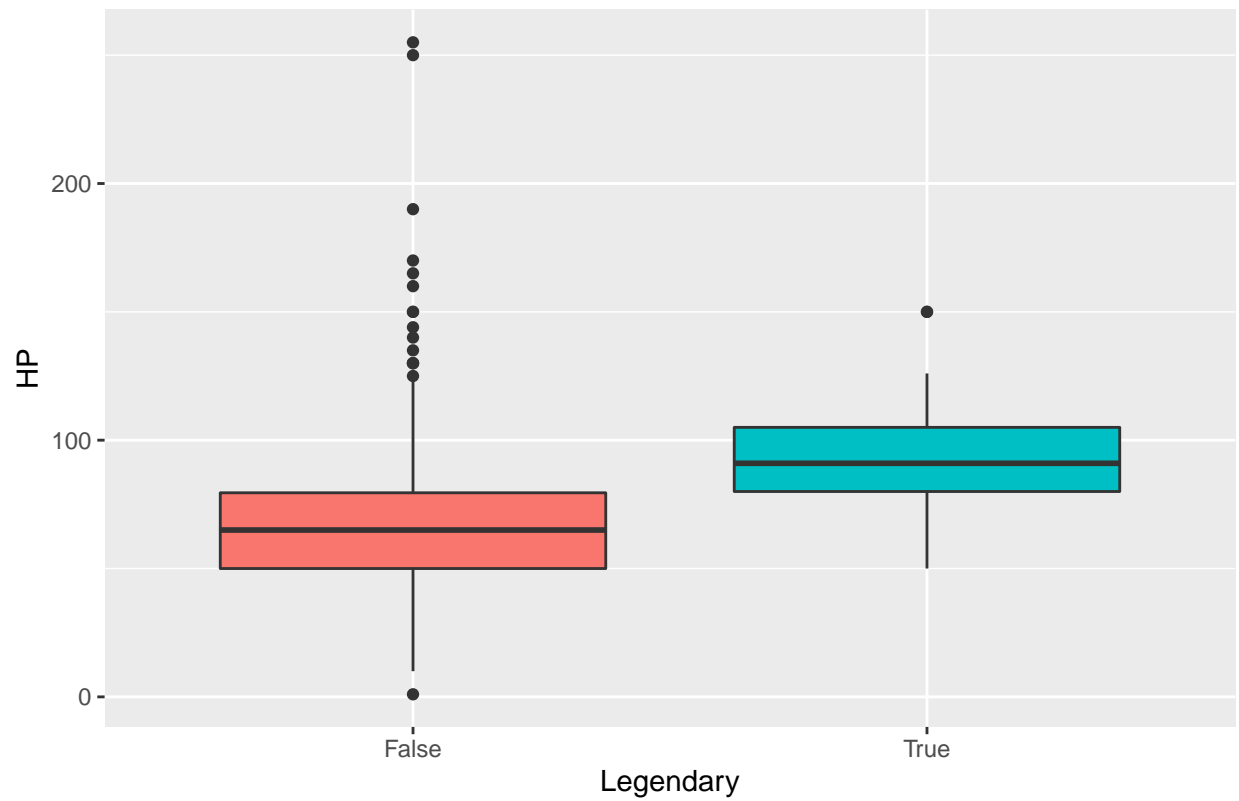
```
# Bar Chart
ggplot(data = df, aes(x = Generation)) + geom_bar(fill = 'blue') + ylim(c(0, 170)) +
  labs(x = 'Generation', y = 'Count') + labs(title='Bar Chart Example')
```

Bar Chart Example

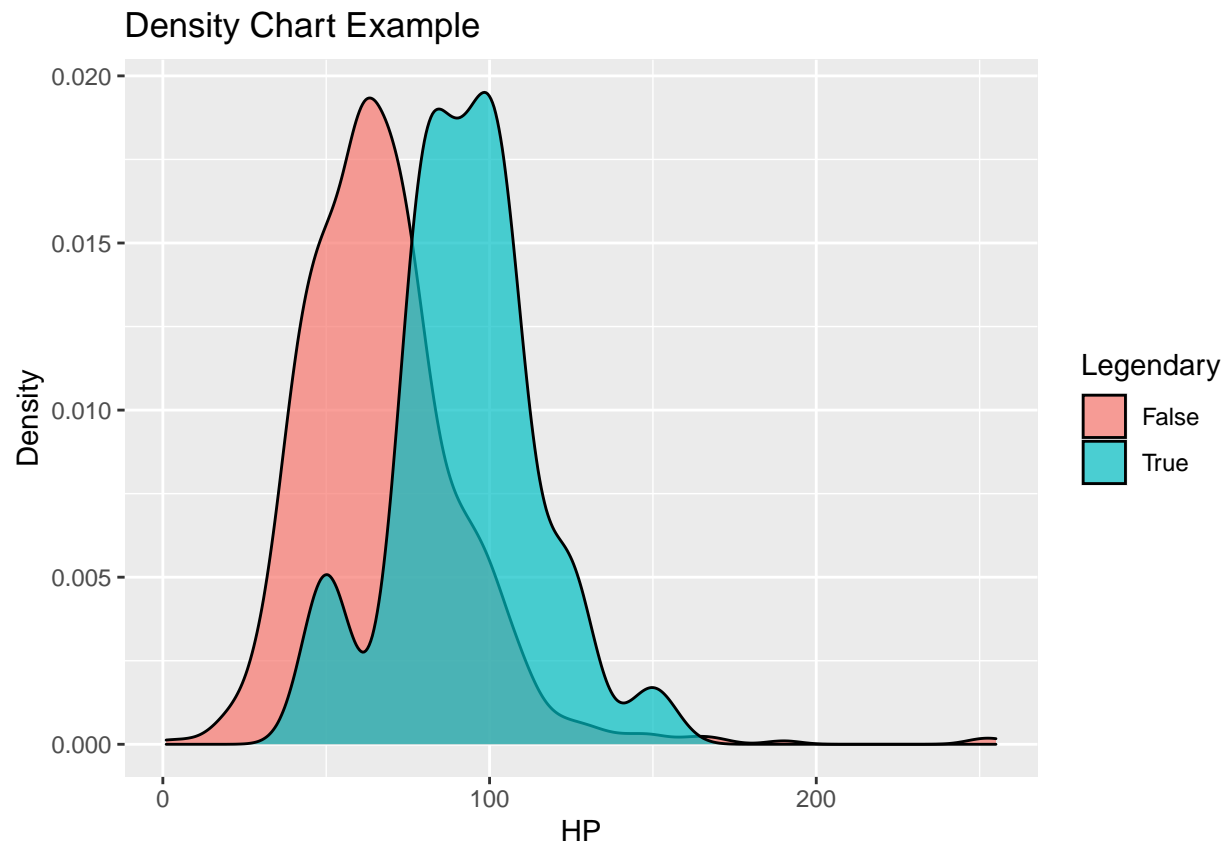


```
# BoxPlot Chart
ggplot(data = df, aes(x = Legendary, y = HP, fill = Legendary)) + geom_boxplot() +
  labs(x = 'Legendary', y = 'HP') + labs(title='BoxPlot Chart Example') +
  guides(fill = F)
```

BoxPlot Chart Example



```
# Density Chart  
ggplot(data = df, aes(x = HP)) + geom_density(aes(fill =Legendary), alpha = .7) +  
  labs(title = 'Density Chart Example', y = 'Density')
```



```
# Histogram Chart  
ggplot(data = df, aes(x = HP)) + geom_histogram(binwidth = 15, fill = 'blue') +  
  labs(title = 'Histogram Chart Example', ylab = 'Count')
```

Histogram Chart Example

