Basic graphics using GGPLOT2

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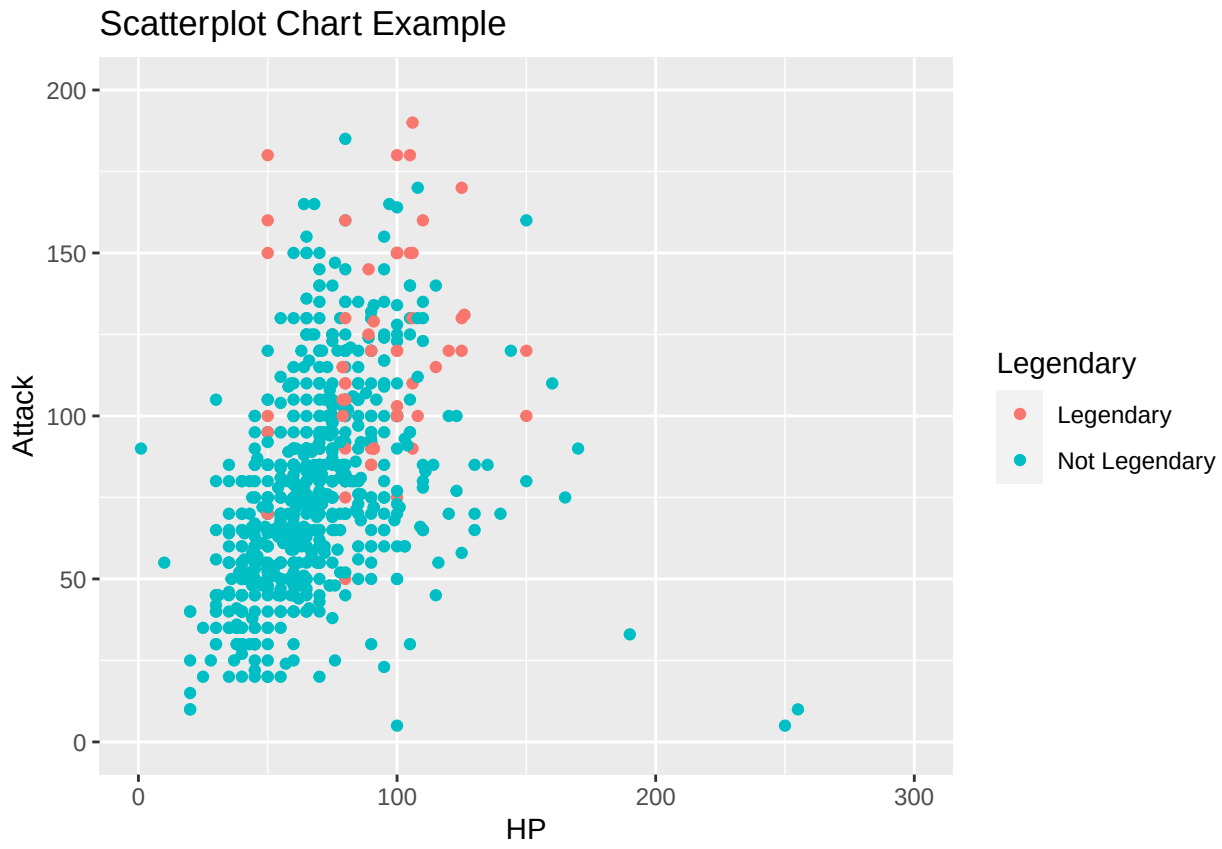
```
# Packages used
require(dplyr)
require(ggplot2)
```

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

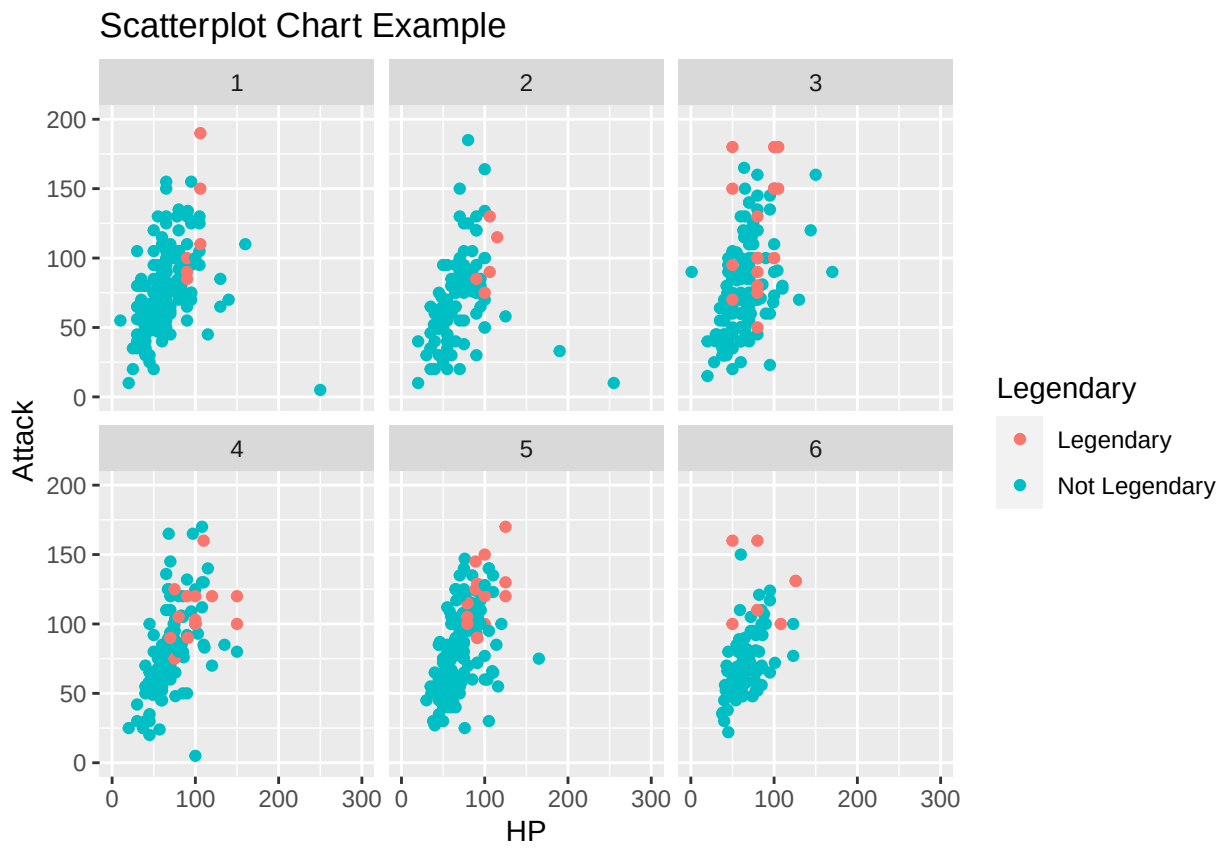
Data from: https://www.kaggle.com/abcsds/pokemon

```
# Pre-processing
df = read.csv("Pokemon.csv")
df$Legendary = ifelse(df$Legendary == 'False', 'Not Legendary', 'Legendary')
```

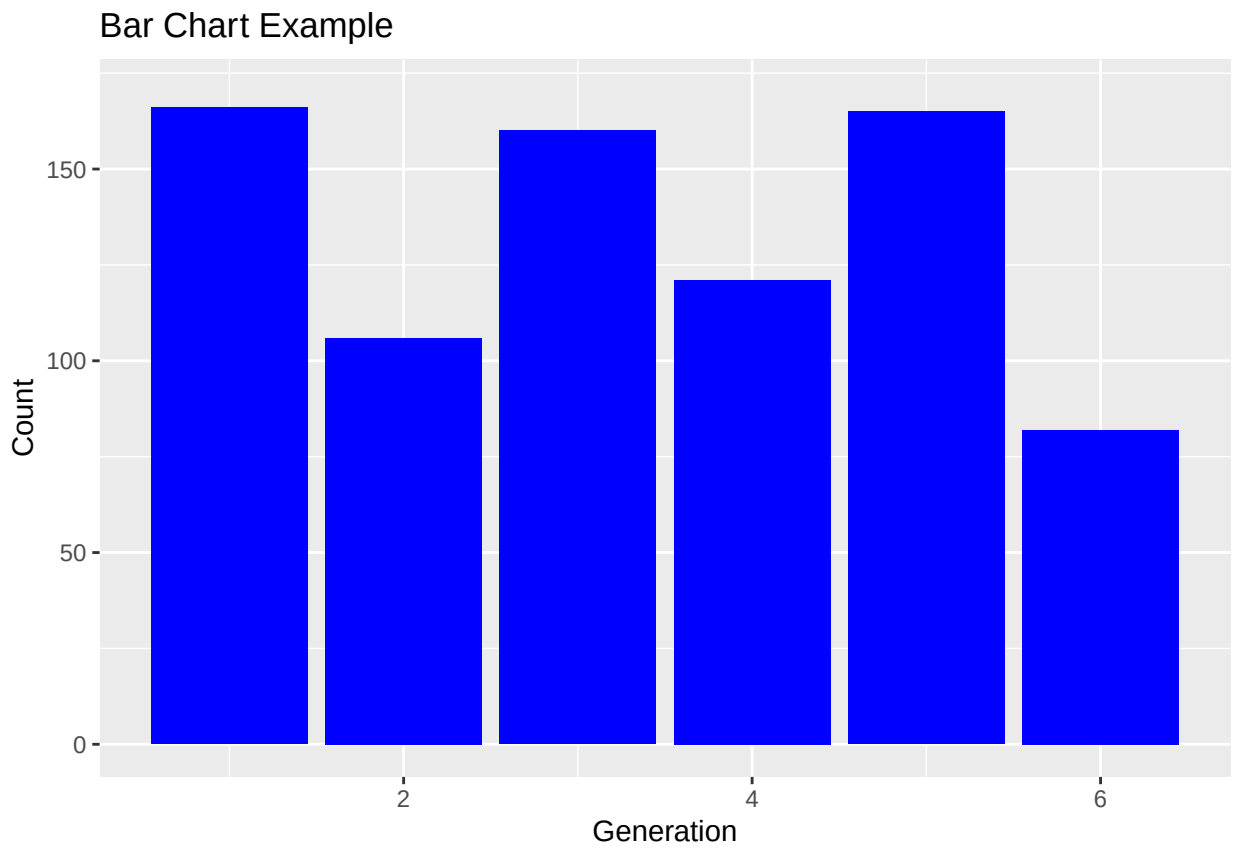
```
# One Scatterplot Chart
ggplot(data = df, aes(x = HP, y = Attack, color = Legendary)) + xlim(c(0, 300)) +
  ylim(c(0, 200)) + geom_point() + labs(title = 'Scatterplot Chart Example')
```



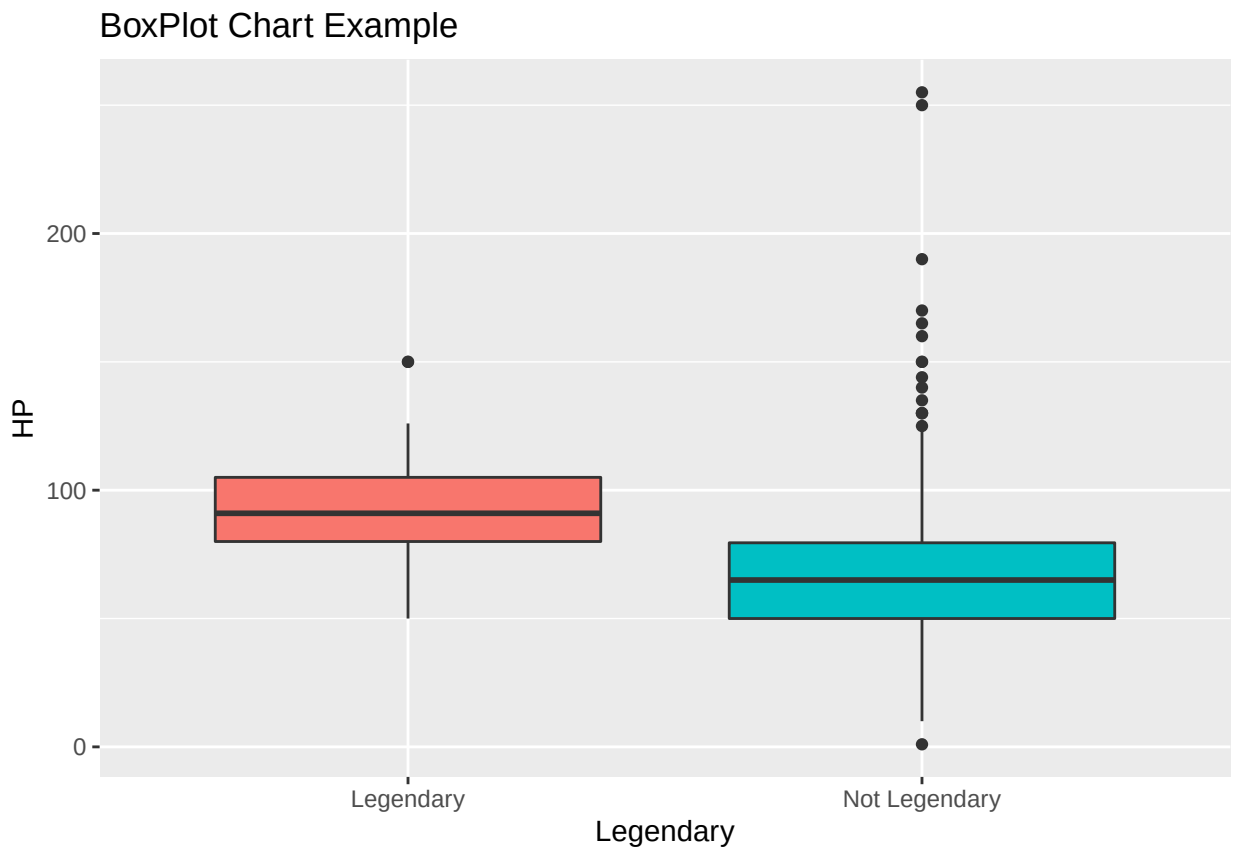
```
# Several Scatterplot Chart
ggplot(data = df, aes(x = HP, y = Attack, color = Legendary)) + xlim(c(0, 300)) + ylim(c(0, 200)) +
  geom_point() + labs(title='Scatterplot Chart Example') + facet_wrap(.~Generation)
```



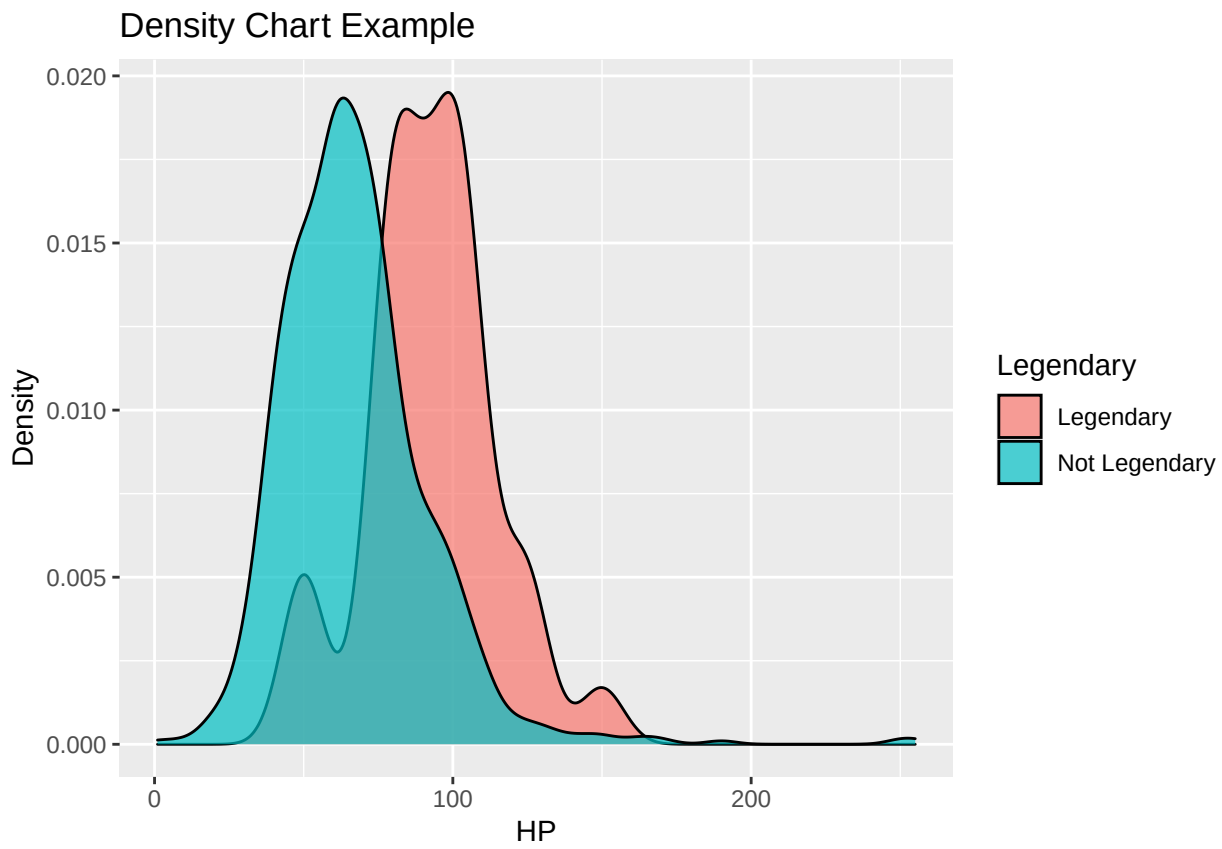

```
# Bar Chart
ggplot(data = df, aes(x = Generation)) + geom_bar(fill = 'blue')  + ylim(c(0, 170)) +
  labs(x = 'Generation', y = 'Count') + labs(title='Bar Chart Example')
```



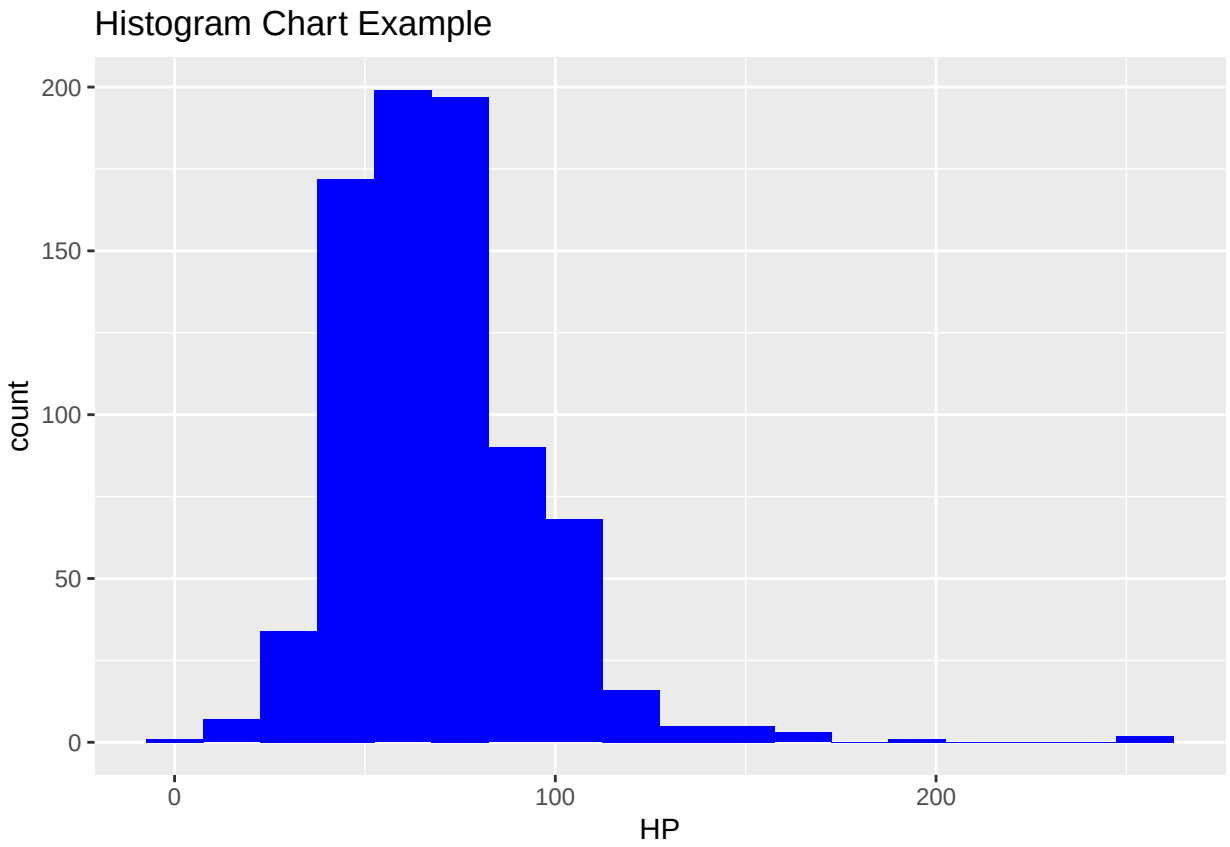

```
# BoxPlot Chart
ggplot(data = df, aes(x = Legendary, y = HP, fill = Legendary)) + geom_boxplot() +
  labs(x = 'Legendary', y = 'HP') + labs(title='BoxPlot Chart Example') +
  guides(fill = F)
```




```
# 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
200
150
100
50
0
count
0
100
200
HP