Undergrad Biostatistics - R Training - Week VI

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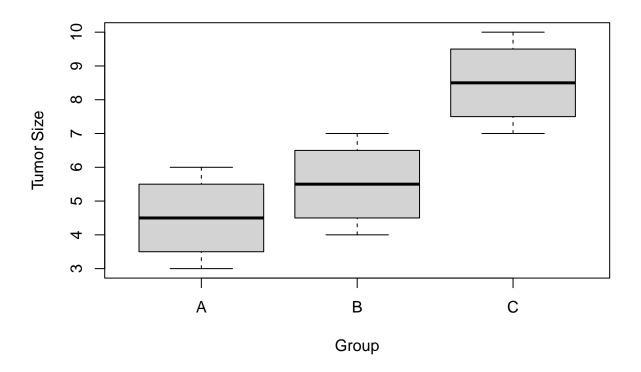
Data

We'll create our own data for this exercise:

```
##
      size group
## 1
         3
                Α
## 2
         4
## 3
         5
         6
## 4
                Α
## 5
         4
## 6
         5
                В
## 8
         7
                В
                С
## 9
                С
## 10
         8
## 11
         9
                С
                С
## 12
        10
```

Let's visualize the data:

```
boxplot(tumor_size_df$size~tumor_size_df$group, xlab = "Group", ylab = "Tumor Size")
```



ANOVA

Post-hoc Test

```
TukeyHSD(res_aov)
```

```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = size ~ group, data = tumor_size_df)
##
## $group
## diff lwr upr p adj
## B-A 1 -1.54874 3.5487 0.54025
## C-A 4 1.45126 6.5487 0.00451
```

C-B 3 0.45126 5.5487 0.02317