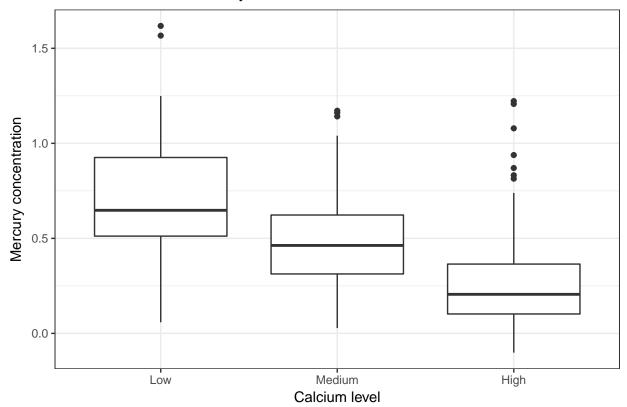
Introduction to R

Session 5 – Advanced Graphics Statistical Consulting Centre 20 July, 2017

1. Boxplot

1. Draw boxplots showing the distribution of Mercury for each of the levels of Calcium. The boxplot should look exactly like

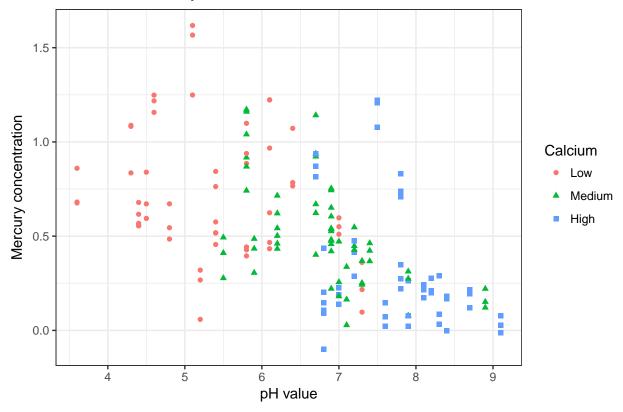
Mercury contaminations in Florida lakes



2. Scatterplot

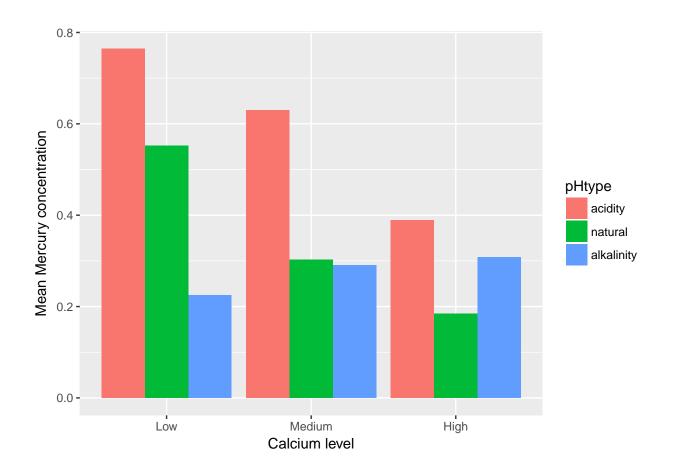
Draw a scatter plot which shows the relationship between pH and Mercury for each of the Calcium levels. The scatter plot should look exactly the same as

Mercury contaminations in Florida lakes



3. Barplot

Draw a juxtaposed barplot that shows the average Mercury concentration for the six combinations of Calcium and pHtype. The graph should look exactly the same as



4. Heatmap

```
ggplot(joined.long.df, aes(x = pHtype, y = Calcium)) +
geom_tile(aes(fill = Mercury)) +
scale_fill_gradient(low = "red", high = "green") +
theme_bw()
```

