Module7

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```
[1]: #Import libraries
import pandas as pd
import requests
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
from numpy import random as rand
```

1 Exercise 1 - FloridaLakes ordered bar graph

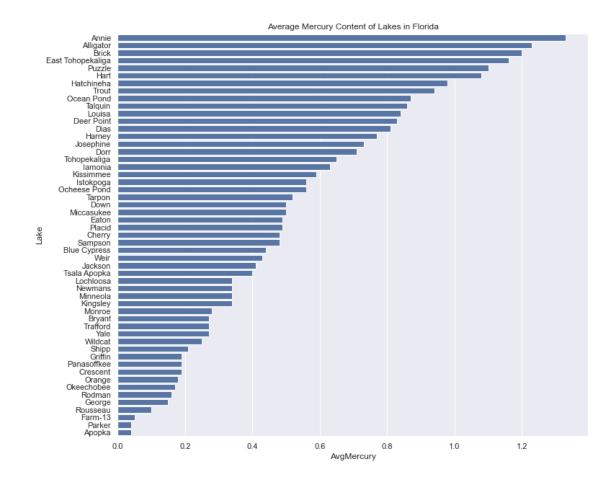
```
[2]: #Load the data from csv
FloridaLakes = pd.read_csv("FloridaLakes.csv")

FloridaLakes.head()

# Sort the lakes by their AvgMercury
FloridaLakes = FloridaLakes.sort_values(by='AvgMercury', ascending=False)
FloridaLakes.head()

sns.set(rc={'figure.figsize':(11.7,10.27)})
lakePlot = sns.barplot(x="AvgMercury", y="Lake", data=FloridaLakes, color="b")
lakePlot.set_title('Average Mercury Content of Lakes in Florida')
```

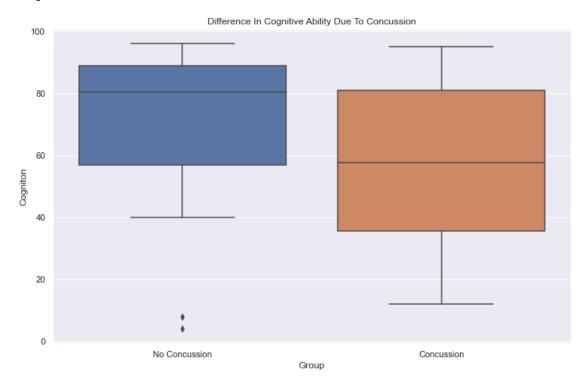
[2]: Text(0.5, 1.0, 'Average Mercury Content of Lakes in Florida')



2 Exercise 2 - FootballBrain box plot with changed labels in the Group column

```
#Add an appropriate title to the graph
concussBoxPlot.set_title('Difference In Cognitive Ability Due To Concussion')
print(concussBoxPlot)
```

AxesSubplot(0.125,0.125;0.775x0.755)



3 Exercise 3 - ResturauntTips data graphing and manipulation

[9]: Text(0.5, 0.98, 'Tip Percentages Based On The Total Bill And Payment Methods')

