Exercise: Cleaning Auto MPG Dataset

This exercise will test a simple way to start investigating potential outliers.

WE'LL COVER THE FOLLOWING

Detect outliers

In this exercise, we will use the same data frame as read in from the Reading Data exercise.

We will then create an additional function `outlier_detection` that takes a data frame `df` and returns 2 numbers in a list:

- The 90^{th} percentile for every column
- The 10^{th} percentile for every column

Try to implement the function below. Feel free to view the solution, after giving it a few shots. Good Luck!

```
import pandas as pd
def read_csv():
    # Define the column names as a list
    names = ["mpg", "cylinders", "displacement", "horsepower", "weight", "acceleration", "moc
    # Read in the CSV file from the webpage using the defined column names
    df = pd.read_csv("auto-mpg.data", header=None, names=names, delim_whitespace=True)
    return df

df = read_csv()

def outlier_detection(df):
    return [0,0] # Return 90th and 10th percentiles for numeric_column_name
```

We hope that you were able to solve the challenge. The next lesson brings you

the solution to the above challenge.