1. Download the Dataset

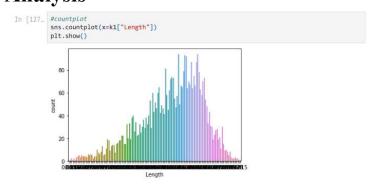
The dataset was download and some changes applied in this dataset.

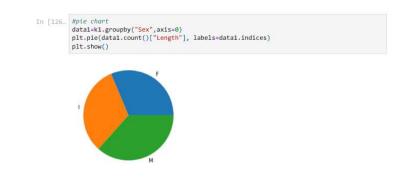
```
In [122... import pandas as pd import numpy as np import matplotlib.pyplot as plt import seaborn as sns
```

2. Load the Dataset

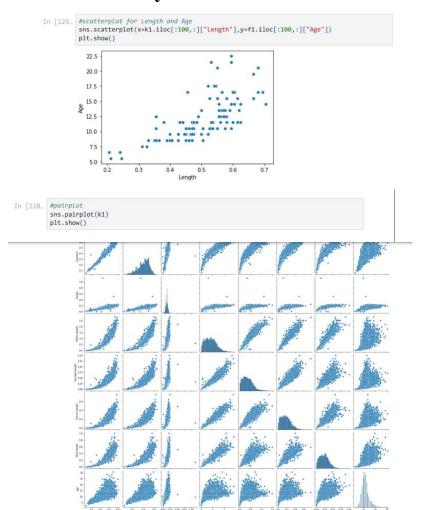


3. Perform the Visualization Univariate Analysis

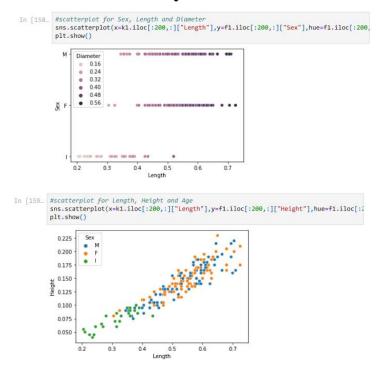




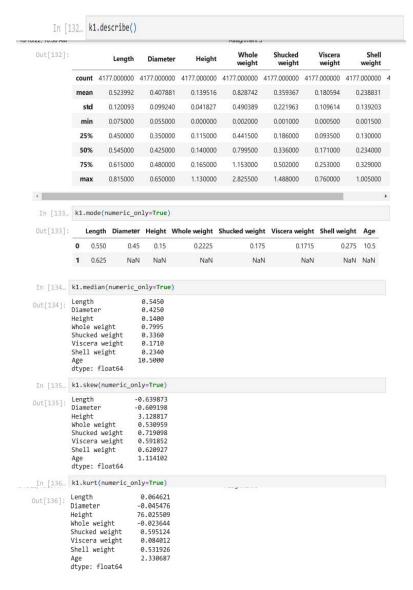
Bi-Variate analysis



Multi-Variate Analysis

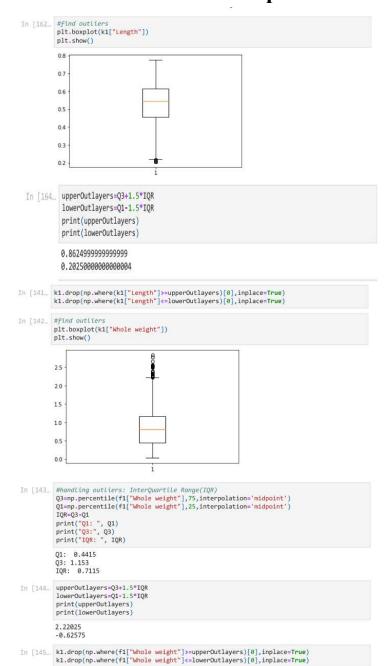


4. Perform the Descriptive Statistics on the Dataset



5. Handle the Missing Values

6. Find out the Outliers and Replace the Outliers.



7. Check the Categorical Columns and Perform Encoding

8. Split the Dataset into Independent and Dependent Variables.

9. Scale the Independent Variable

10. Split the Dataset into Training Testing.

```
In [152. from sklearn.model_selection import train_test_split
    X_train, X_test, y_train, y_test = train_test_split(X, Y, test_size = 0.3, random_stat
    X_train.shape
Out[152]: (2868, 5)
In [153.    X_test.shape
Out[153]: (1230, 5)
```

11. Build the Model.

```
In [154. #Linear Regression
    from sklearn.linear_model import LinearRegression
    reg= LinearRegression()
    reg.fit(X_train, y_train)
Out[154]: LinearRegression()
```

12. Train the Model.

In [155_ y_pred = reg.predict(X_test)

13. Test the Model and

14. Measure the Performance using Metrics