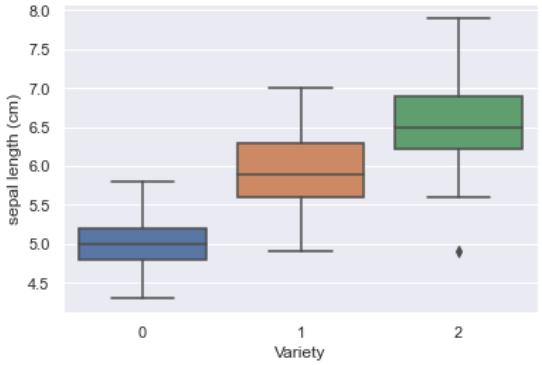
Lab 5

Exercise 2.1

Sepal length (cm)

```
In [8]: sns.boxplot(x='Variety',y='sepal length (cm)', data=df_with_columns)
        plt.show()
```



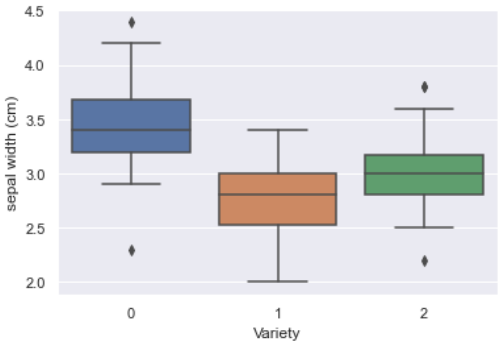
0:normal distribution

1:it's skewed to the left

2:It has an outlier under the 10th percentile and its skewed to the left

Sepal width (cm)

```
In [9]: sns.boxplot(x='Variety',y='sepal width (cm)', data=df_with_columns)
        plt.show()
```



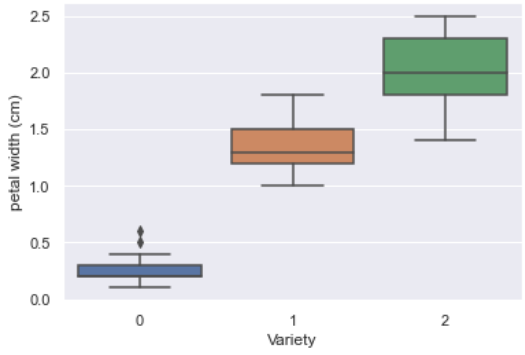
0: outlier above and under the 10th percentile and it's skewed to the left

1:it's skewed to the right

2: outlier above and under the 10th percentile and it's skewed to the right

Petal width (cm)

```
In [10]: sns.boxplot(x='Variety',y='petal width (cm)', data=df_with_columns)
         plt.show()
```



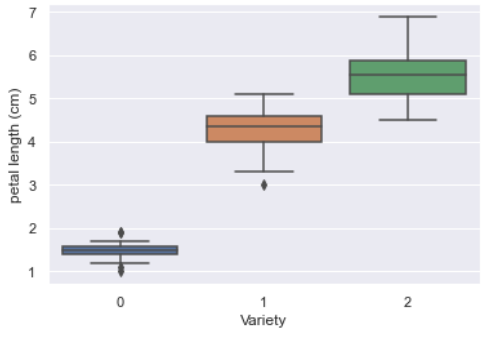
0: Two outliers above the 10th percentile

1: skewed to the left

2:it's skewed to the left

Petal length (cm)

```
In [11]: sns.boxplot(x='Variety',y='petal length (cm)', data=df_with_columns)
         plt.show()
```



0:outlier above and under the 10^{th} percentile

1:outlier under the 10^{th} percentile and its skewed to the right

2: it’s skewed to the right