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Chapter 5 - Outlier Analysis

Segment 9 - Multivariate analysis for outlier detection
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In [1]:
```
import pandas as pd

import matplotlib.pyplot as plt
from pylab import rcParams
import seaborn as sb
```

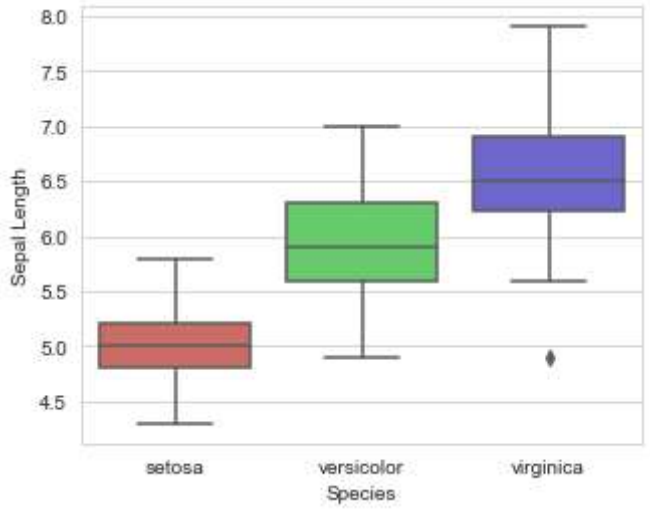
In [3]:
```
%matplotlib inline
rcParams['figure.figsize'] = 5, 4
sb.set_style('whitegrid')
```

```
Visually inspecting boxplots
```

In [4]:
```
df = pd.read_csv(filepath_or_buffer='C:/Users/danal/Desktop/ExerciseFiles/Data/ir

df.columns = ['Sepal Length', 'Sepal Width', 'Petal Length', 'Petal Width', 'Spec
```

In [5]:
```
data = df.iloc[:,0:4].values
target = df.iloc[:,4].values

df[:5]

sb.boxplot(x='Species', y='Sepal Length', data=df, palette='hls')
```

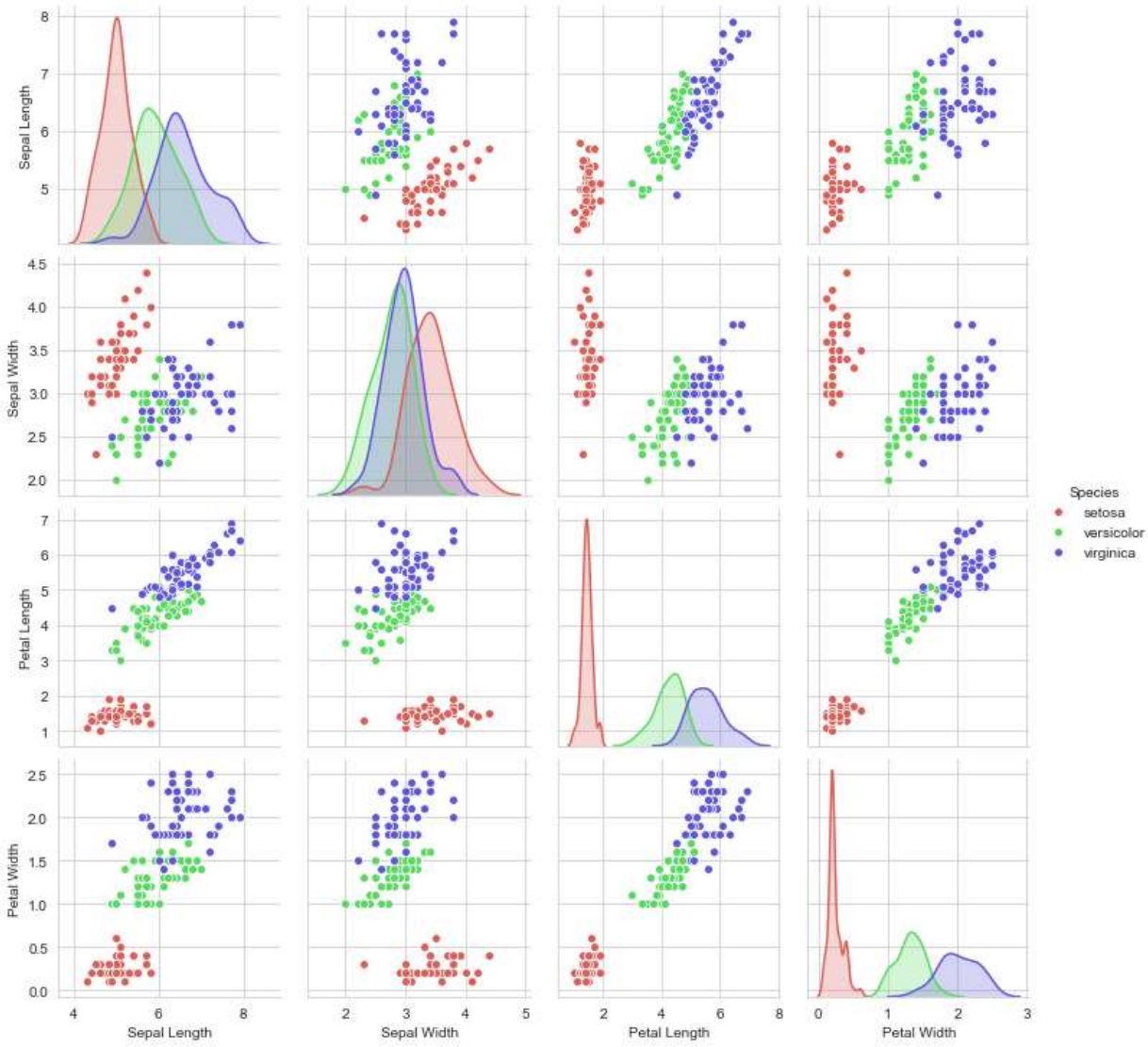
Out[5]: <matplotlib.axes._subplots.AxesSubplot at 0x2485a8722c8>




```
Looking at the scatterplot matrix
```

In [7]:
```
sb.pairplot(df, hue='Species', palette='hls')
```

Out[7]: <seaborn.axisgrid.PairGrid at 0x2485c1e1e48>



In [ ]:
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