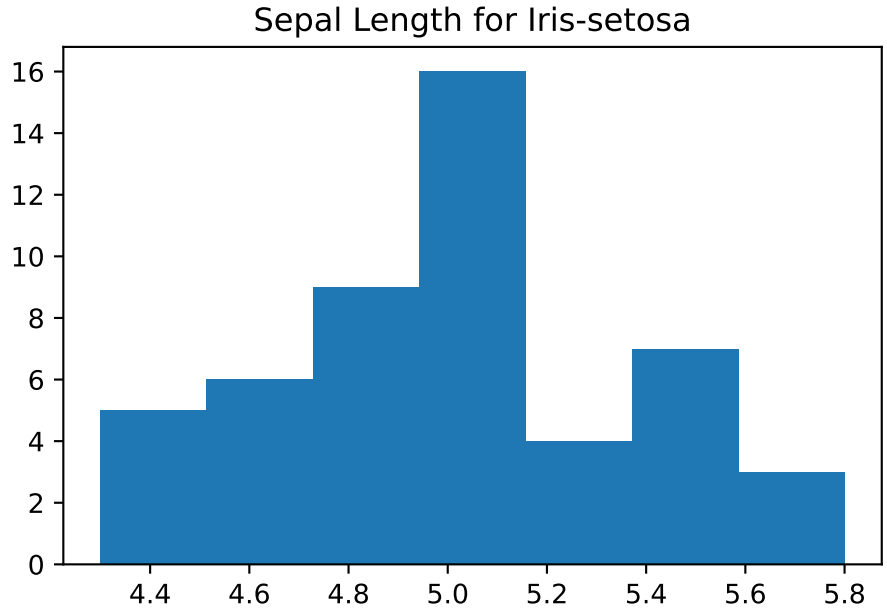
Sample Parameterized Report

```
species = 'Iris-setosa'
```

```
# Injected Parameters
species = "Iris-setosa"
```

This is an example of a parameterized report using Quarto. We will generate three different reports for Iris species using a single Quarto file.

First we will take a look at a histogram chart to understand the distribution of sepal lengths for the selected species.

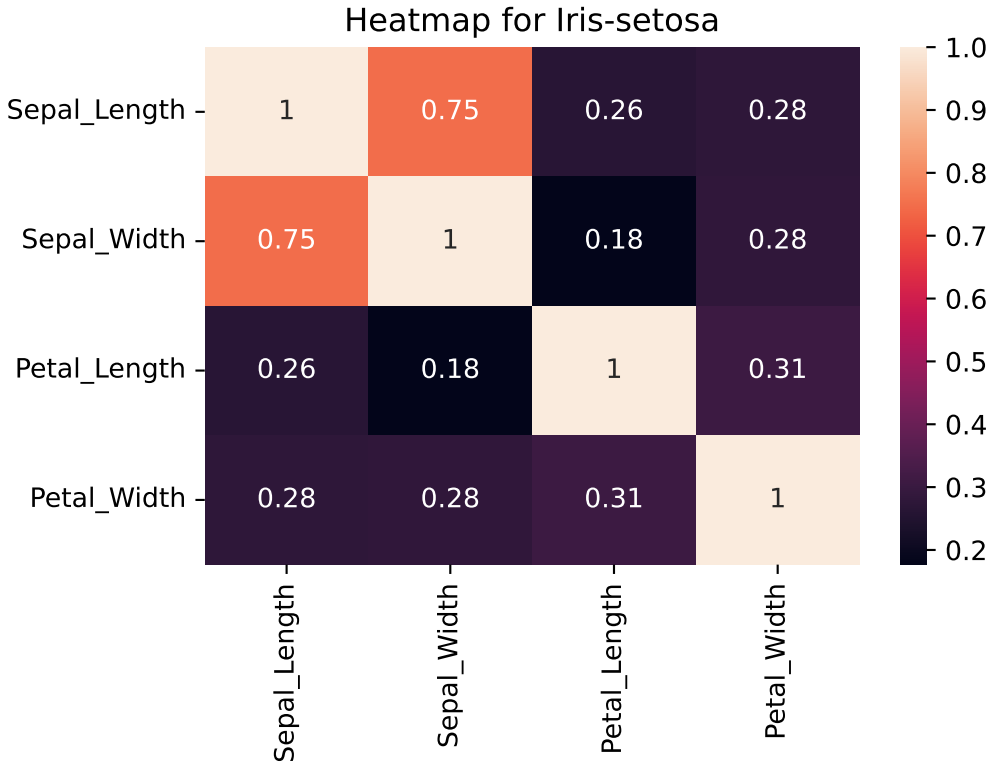


Now we will view a heatmap to understand the correlations between columns for this species. We will also display the code for anyone who wants to see how this was generated.

```
sns.heatmap(iris_c.corr(method='pearson'), annot = True)
plt.title('Heatmap for {}'.format(species))
plt.show()
```

```
/var/folders/fh/5qmzmm3s2pqdq4j39nvhgwyc0000gp/T/ipykernel_42286/3265777775.py:1: FutureWarni

The default value of numeric_only in DataFrame.corr is deprecated. In a future version, it wi
```



Lastly we will look at a boxplot for each column in the dataset.

```
plt.figure(figsize=(11,11))

plt.subplot(221)
sns.boxplot(x='Species', y='Sepal_Length', data=iris_c)
plt.subplot(222)
sns.boxplot(x='Species', y='Sepal_Width', data=iris_c)
plt.subplot(223)
```

```
sns.boxplot(x='Species', y='Petal_Length', data=iris_c)
plt.subplot(224)
sns.boxplot(x='Species', y='Petal_Width', data=iris_c)
plt.show()
```