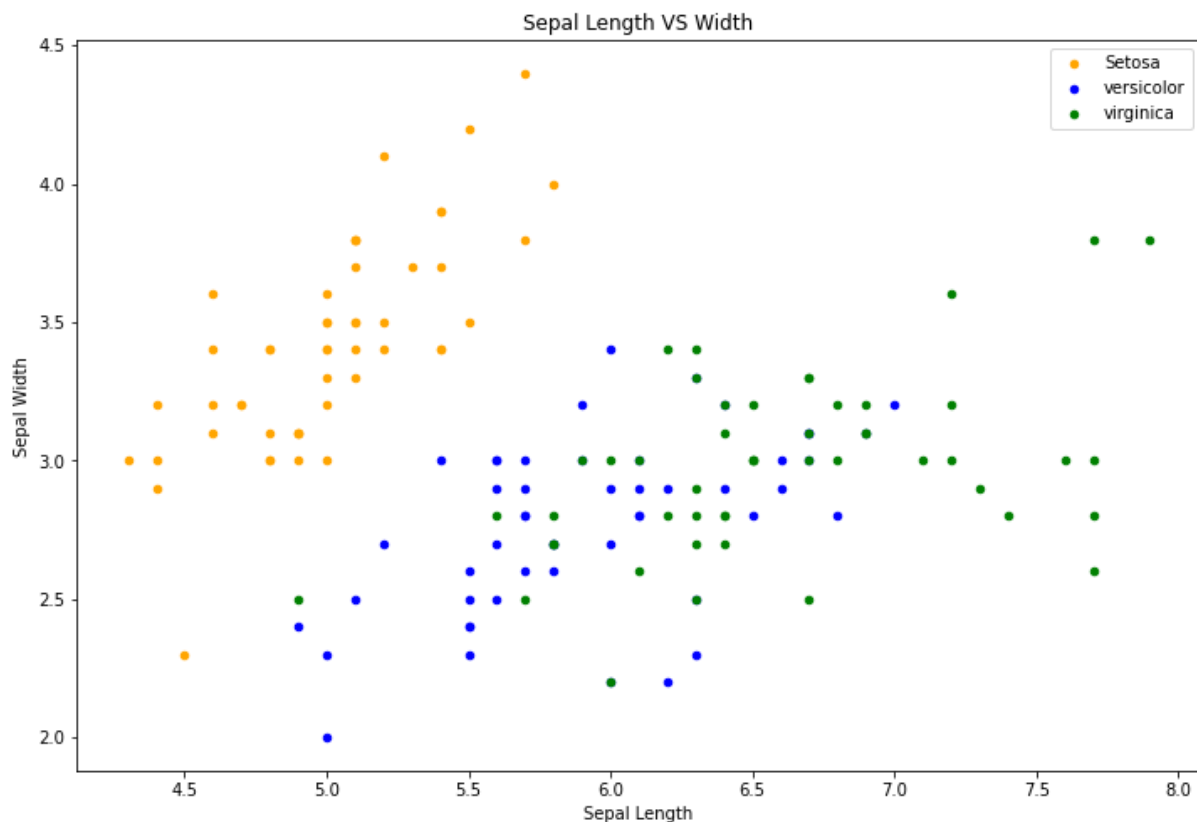


Homework 4

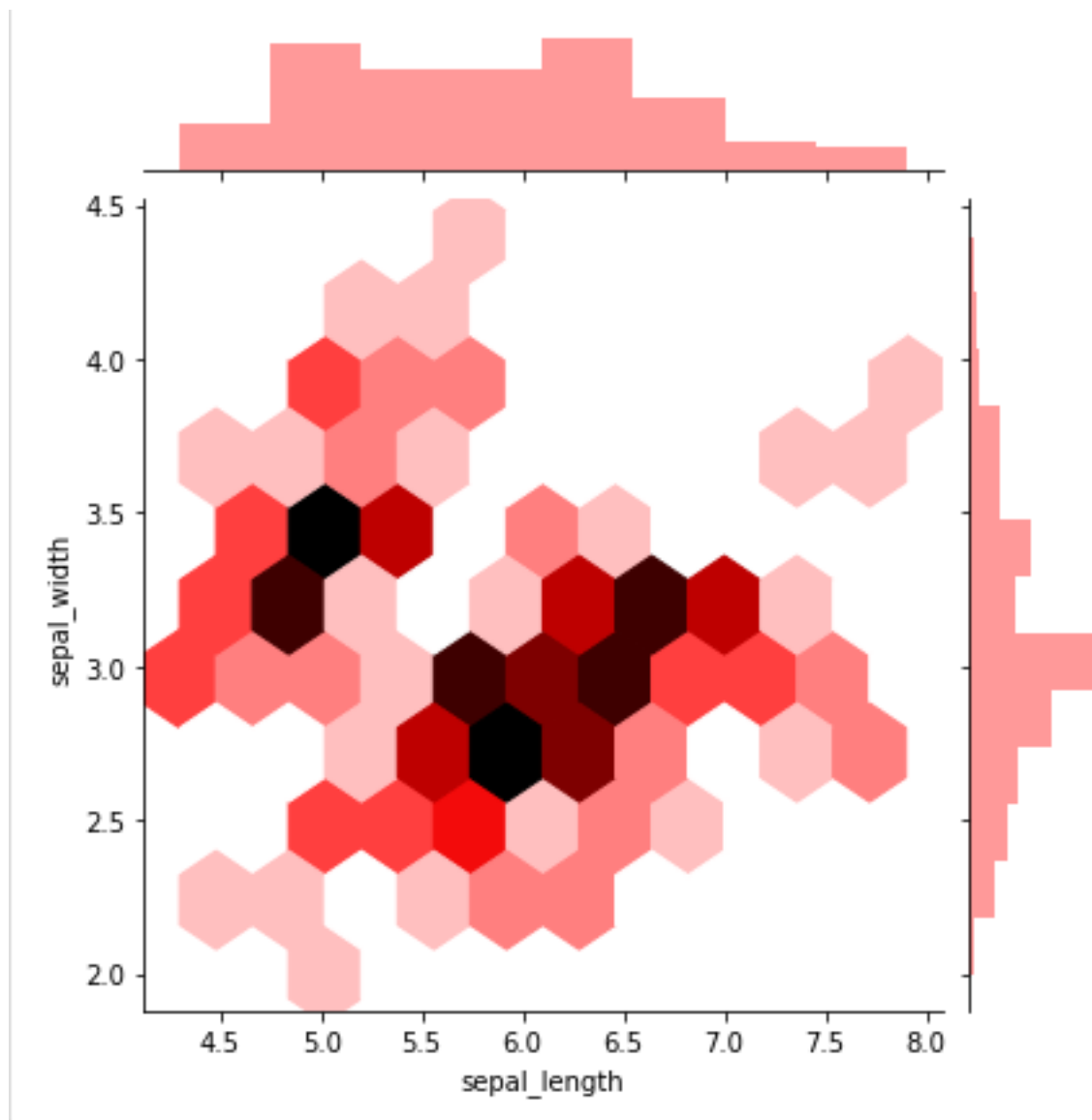
1. GRAPH 1: “Create a graph to find relationship between the sepal length and width. “



Describe and interpret graph results.

The graph shows the relationship between the 3 species of the Iris flower which are Setosa, Versicolour and Virginica. The graph shows that the setosa species has the smallest sepal length however they have the highest width. Contrary to the setosa species the virginica species has larger sepal length but however has smaller sepal width. The versicolour sort of between the setosa and virginica in terms of sepal length and sepal width. The highest recorded data point for the sepal width for the setosa is close to 4.5 whereas that of the virginica is less than 4. The highest data point sepal length of the virginica reaches close to 8 whereas the highest recorded for the setosa species is just over 5.5.

2. GRAPH 2: “Create a joinplot to describe individual distributions on the same plot between Sepal length and Sepal width. “



Describe and interpret graph results.

This graph shows that the most common sepal width of the species is 3 and the most common sepal length among the species is between 4.5-5 and 6-6.5. The graph shows that high sepal lengths and high sepal widths are anomalies and do not fit the trend similar to species with low sepal lengths and widths.