

Homework #0

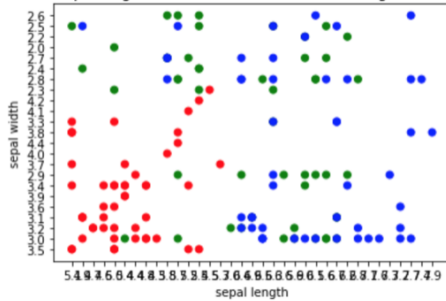
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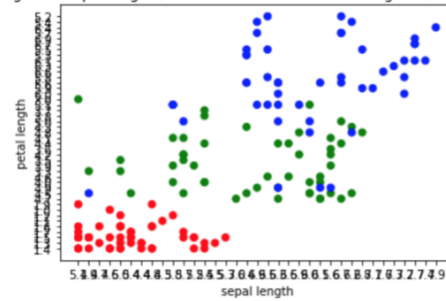
Summary:

- We first opened the iris.data file, stored the first four columns of data into a 150*4 array and the last column of data into a 1D array based on the given convention, where 150 is the number of samples and 4 is the number of attributes.
- To visualize the dataset, we created six scatterplots which are shown below. The scatterplots show every two attributes of the data. The fixed color distinguishes species, which makes the plot clearer.

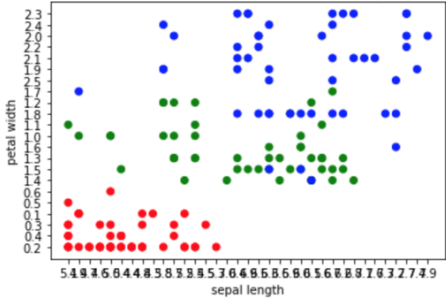
sepal width vs. sepal length (Iris Setosa:red, Iris Versicolour:green, Iris Virginica:blue)



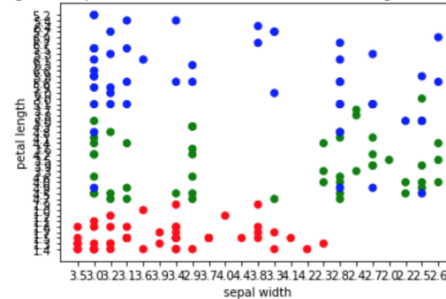
petal length vs. sepal length (Iris Setosa:red, Iris Versicolour:green, Iris Virginica:blue)



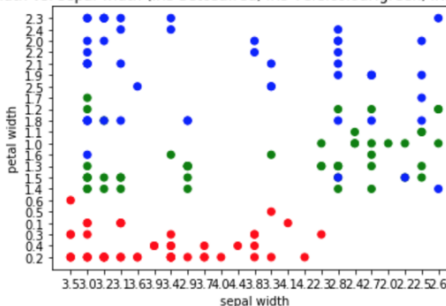
petal width vs. sepal length (Iris Setosa:red, Iris Versicolour:green, Iris Virginica:blue)



petal length vs. sepal width (Iris Setosa:red, Iris Versicolour:green, Iris Virginica:blue)



petal width vs. sepal width (Iris Setosa:red, Iris Versicolour:green, Iris Virginica:blue)



petal width vs. petal length (Iris Setosa:red, Iris Versicolour:green, Iris Virginica:blue)

