Exercise 6: Visualisation of the Iris Data Set

1. First load the Iris data set (Note that we had used this datasets several times, check the labs)

2. Create a single histogram-plot for every dimension using matplotlib

3. Create a 4x4 plot containing the four histograms side by side

4. Create a single histogram-plot containing all dimensions

5. Create a boxplot over the four dimensions

6. Implement a function that creates a scatter plot matrix, where the main diagonal are either boxplots or histograms and classes.

7. Encode the class information with different colors in the scatter plot matrix

Good luck!!!