Analysis of Iris Flower

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# Investigations into Iris flower

**Objectives**

* **Explore differences in petal width and length**
* **Identify relationships**
* **Classification approach**

**Imported data**

The following was imported into my program on the command, panda as it has easy to use data structures and data analysis, numpy as is a good python package and matplotlib and seaborn to assist drawing plots.

import numpy as np

import matplotlib.py as plt

import seaborn as sns

import pandas as pd

**Import iris data set**

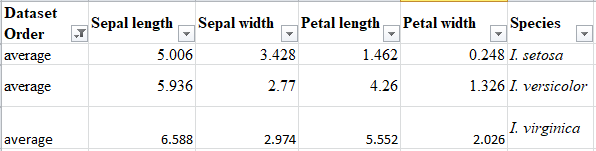
# Summary of each variable of Fisher's *Iris* Data

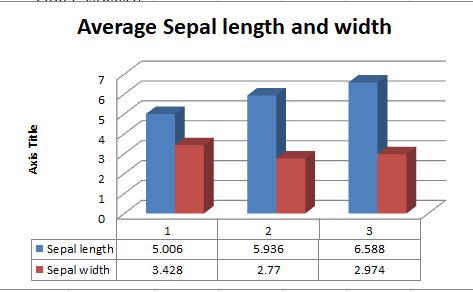
150 plants, three species with 50 setosa, 50 versicolor and 50 virginica

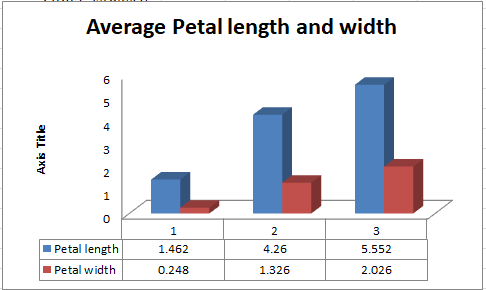
Irish Data Summary

## Histograms

Average length and width of each flower;

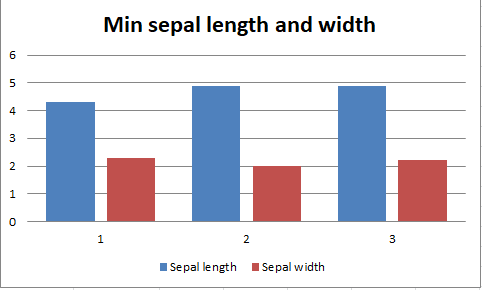


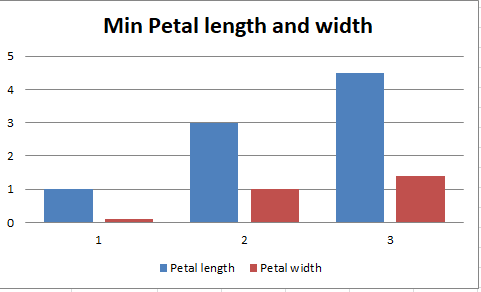




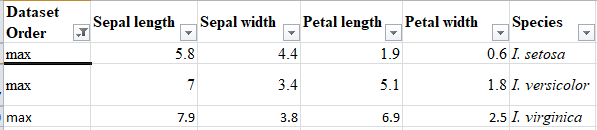
Min;

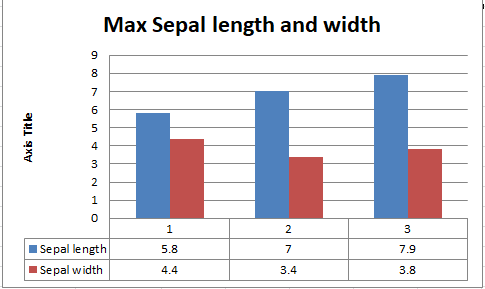


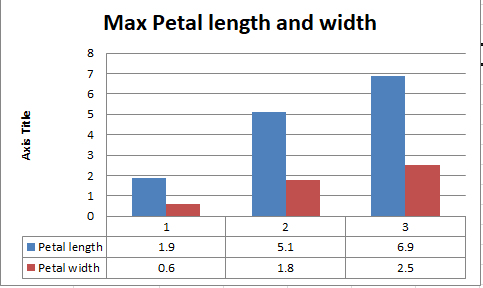




Max







## Scatterplots

# References

<https://en.wikipedia.org/wiki/Iris_flower_data_set>

<https://medium.com/codebagng/basic-analysis-of-the-iris-data-set-using-python-2995618a6342>

<https://scikit-learn.org/stable/auto_examples/datasets/plot_iris_dataset.html>