Iris-Classification

Explanation:

- This is supervised learning as the given data is labelled.
- The values which are to be predicted are divided into classes this is a classification based problem.
- On oberserving the data the classes are divided into more than 2 types thus it is a MultiClass Classification.
- From the given data we have to predict the type of flower with the given dimensions of Sepal and Petal.

Tools Used:

- Python 3.9.5
- Google Colaboratory
- Pandas 1.2.4 for data analysis
- Scikit-learn 0.24.2 for machine learning

Algorithms Used:

- K-Nearest Neighbors(KNN)
- Decision Tree

Conclusion:

- KNN Classifier resulted with 98% accuracy
- Decision Tree Classifier resulted with 96% accuracy
- Accuracy of KNN is greater than Decision Tree