

Algorithms Progress IRIS-DATASET

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IRIS dataset

iris is a data frame with 150 cases (rows) and 5 features (columns) named Sepal.Length, Sepal.Width, Petal.Length, Petal.Width, and Species.



Iris Versicolor



Iris Setosa



Iris Virginica



IRIS dataset

Common way to plot the dataset

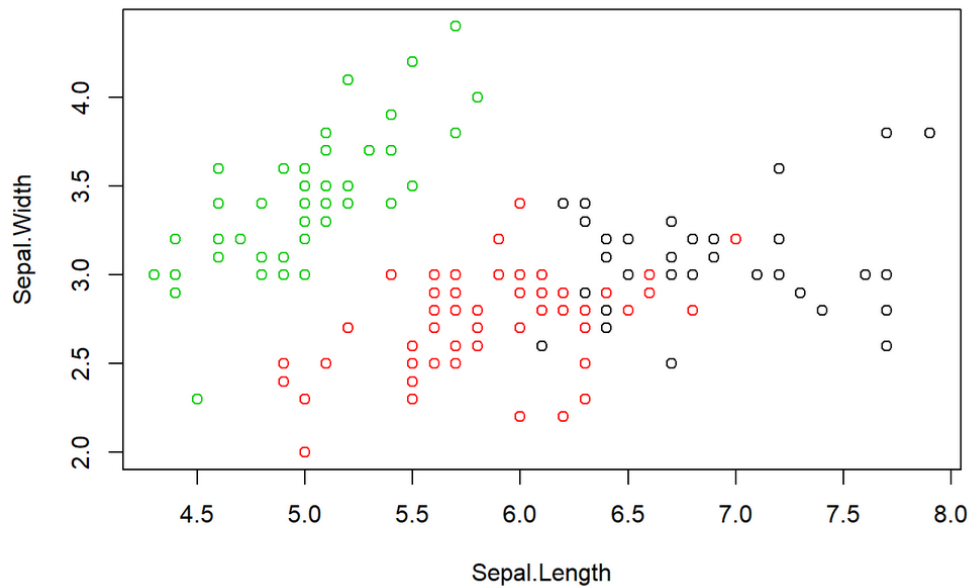
Using

- Sepal.Width
- Sepal.Length

Green - Setosa

Red - Versicolor

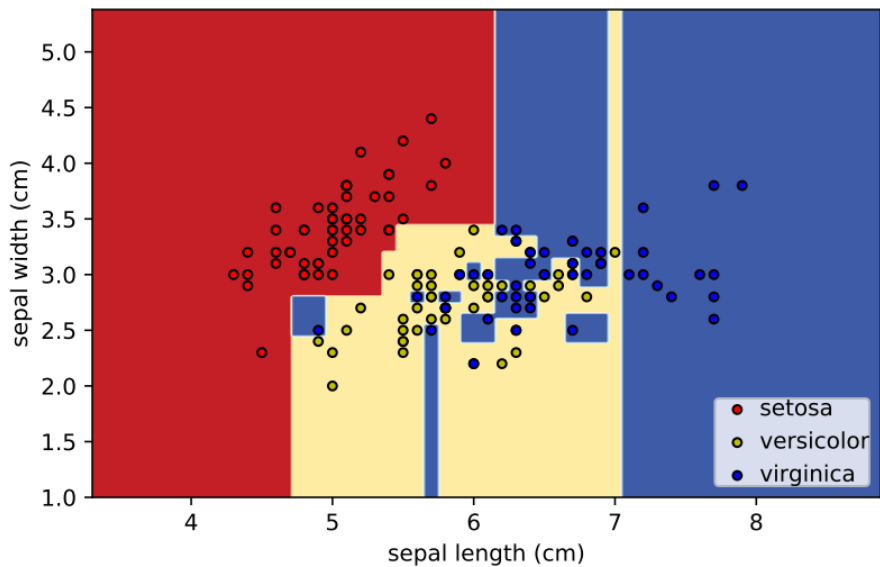
Black - Virginica



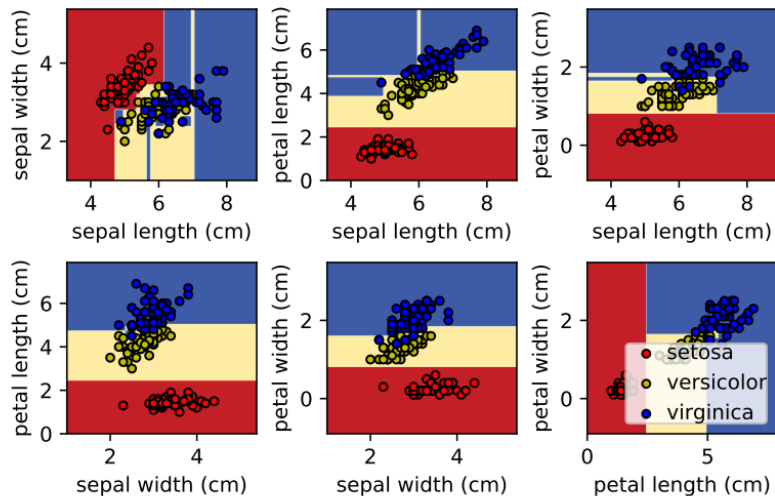


Decision Tree

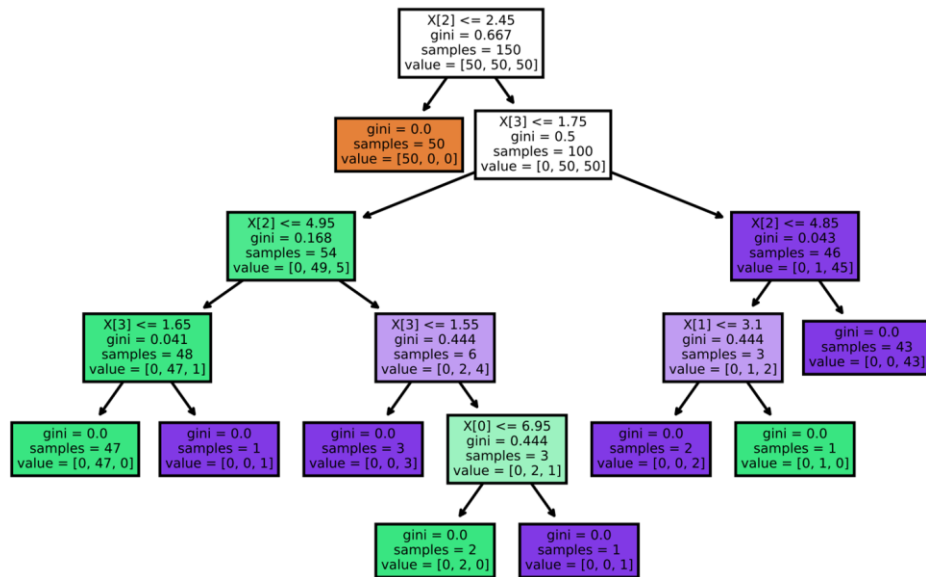
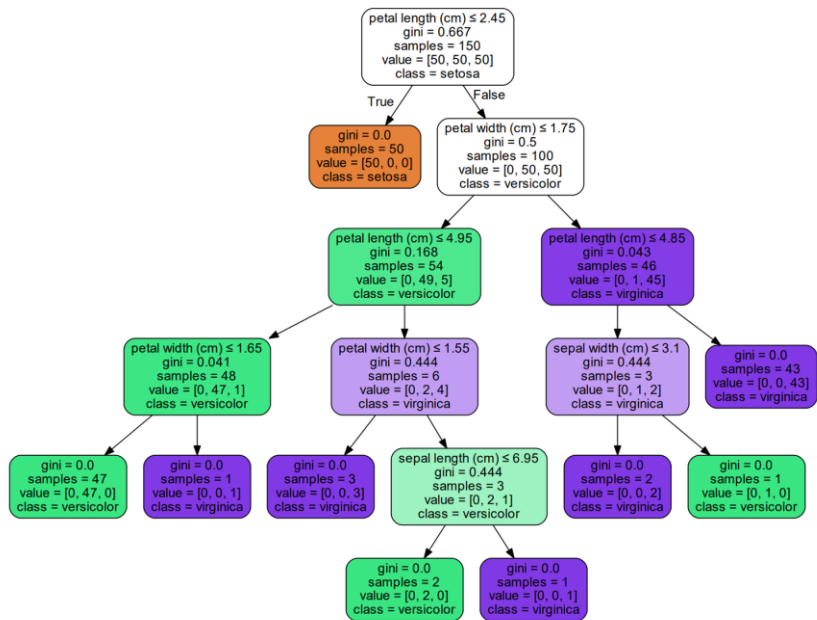
Decision surface of a decision tree using paired features



Decision surface of a decision tree using paired features



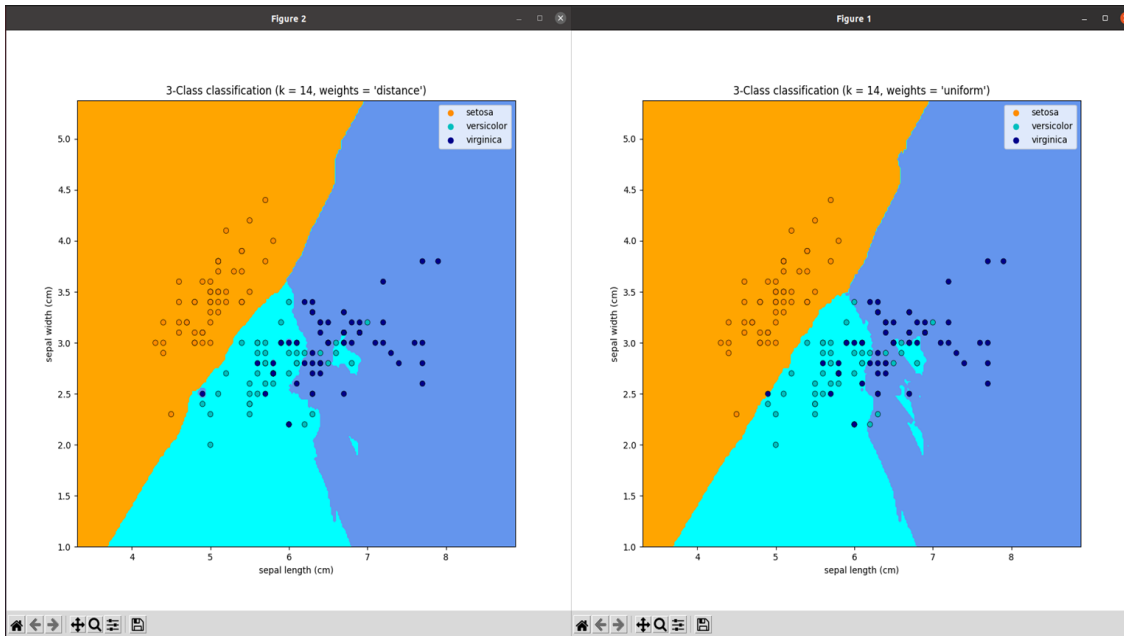
Decision Tree





KNN

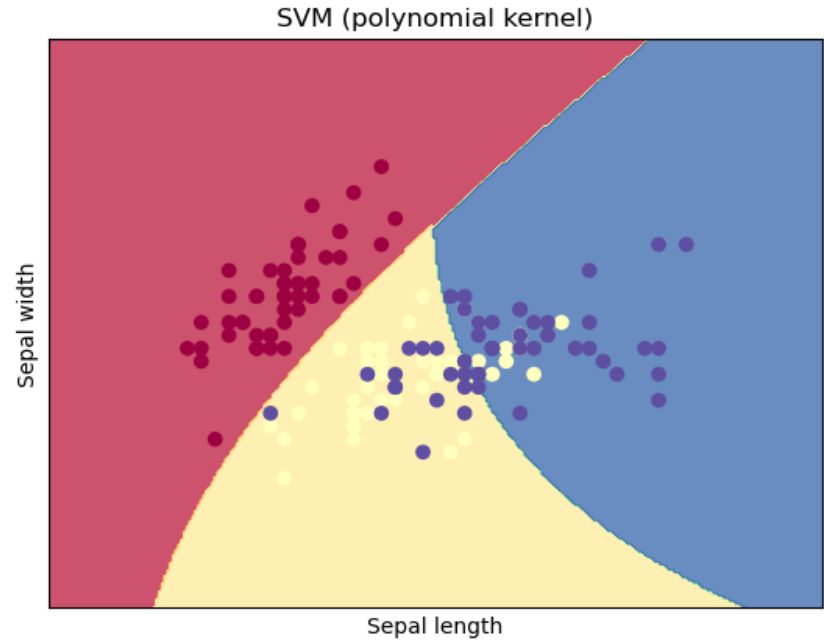
Shows both uniform and distance weights





SVM

Data can make SVM effective or weak





LOF

