**Group #1**

**Rudrashis Poddar**

**Balaji Arcot Kulasekaran**

**Harsh Kantilal Sharma**

**Rabie Ahmed M Alsaihati**

**University of Cincinnati**

**College of Applied Science and Engineering**

**Machine learning**

**Professor Anca Ralescu**

**Homework three**

1. **Basic ID3 Algorithm**

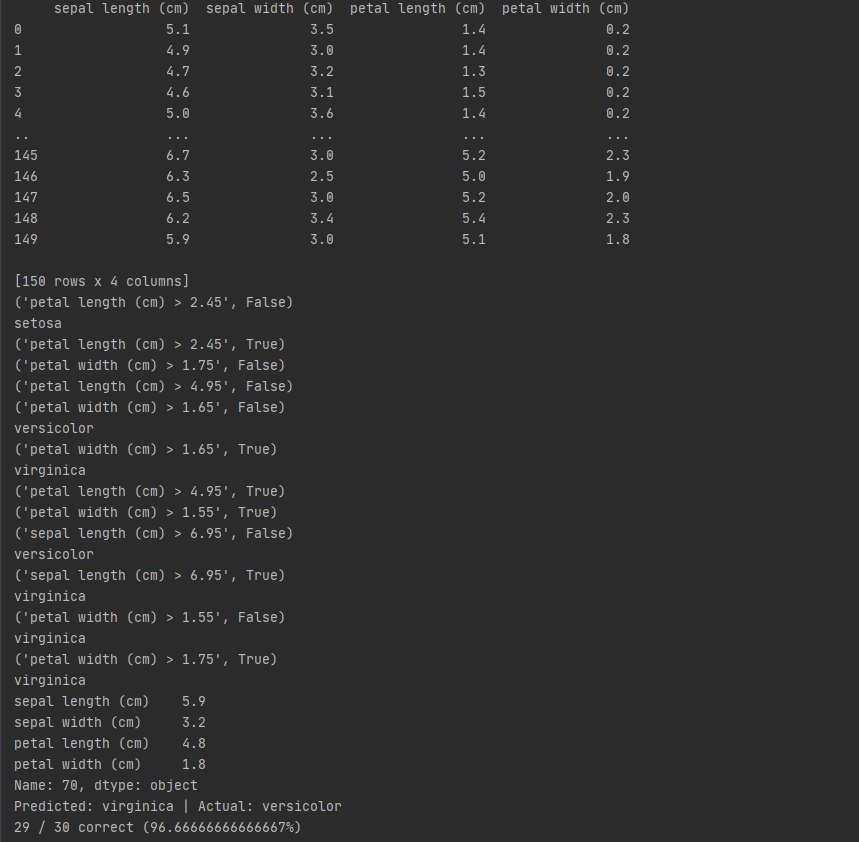
For this assignment, the ID3 and the naives bayes algorithms were implemented.

Figure shows the output for ID3 implementation

1. **Accuracy plots and mean for different bins**

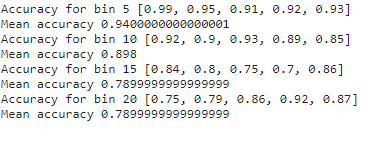
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Figure shows accuracy for different bins, mean accuracy, max and lowest.

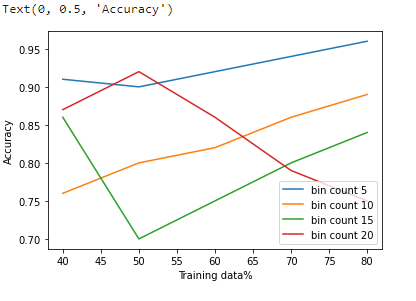


Figure shows accuracy plot for different bins

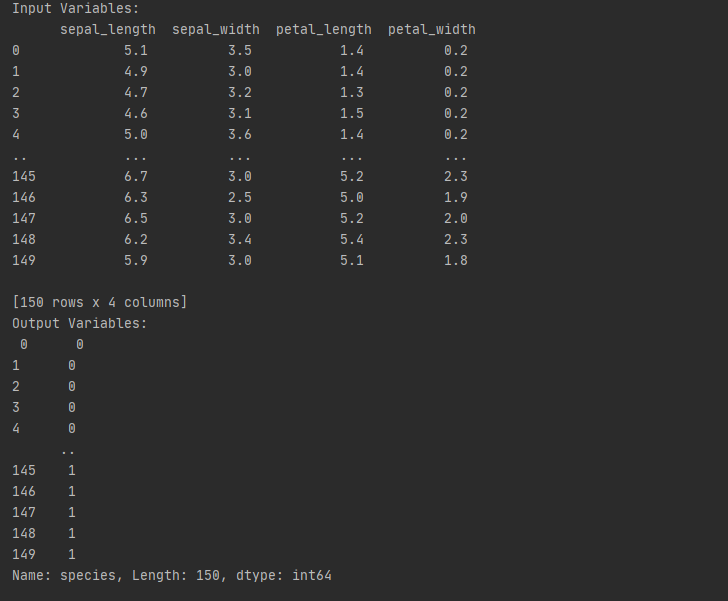
1. **F1 Score plot**

Chart, line chart

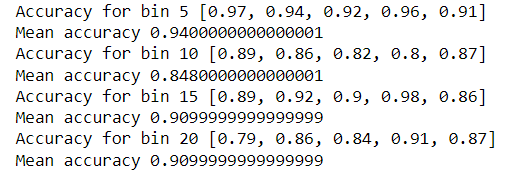
Description automatically generated

Figure shows f1 scores for different bins

1. **Naïve bayes output**

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1. **Naïve bayes accuracy**



**Accuracy for Naïve Bayes**

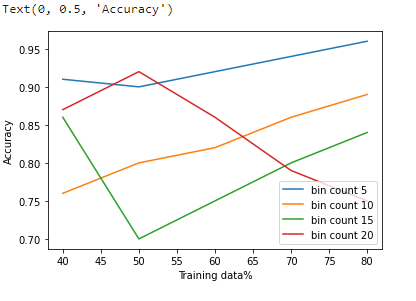


Figure shows accuracy for naive bayes

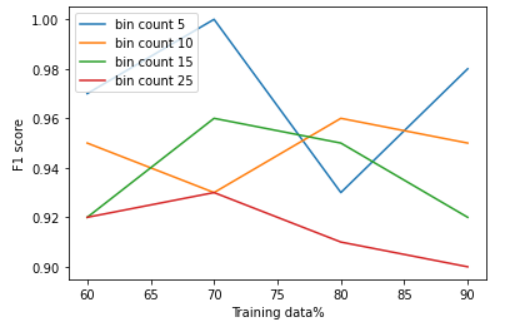


Figure shows the f1 scores for naive bayes