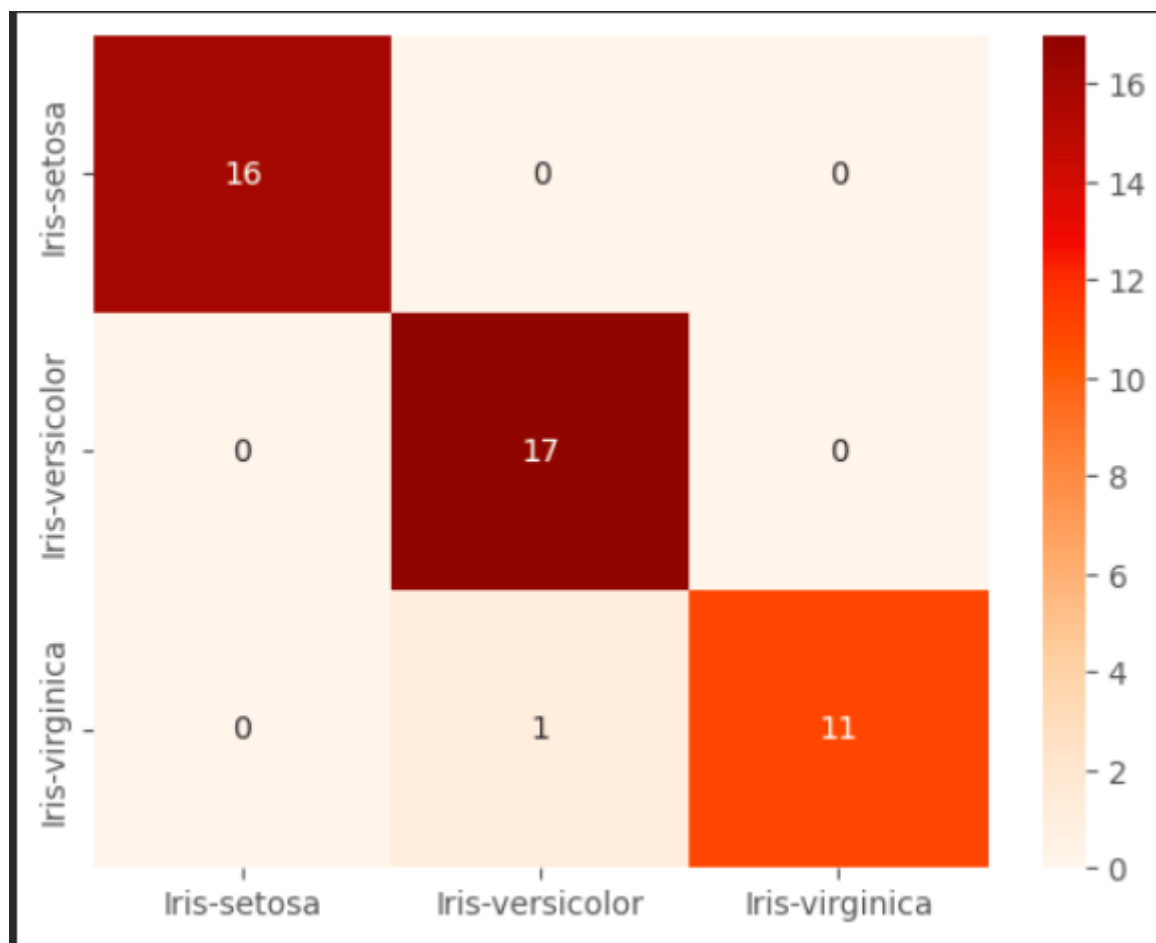


Datasets

1. [Iris Dataset](../iris.csv)
2. [Breast Cancer Dataset](../breast_cancer.csv)

Confusion Matrix (Iris Dataset)

- Python

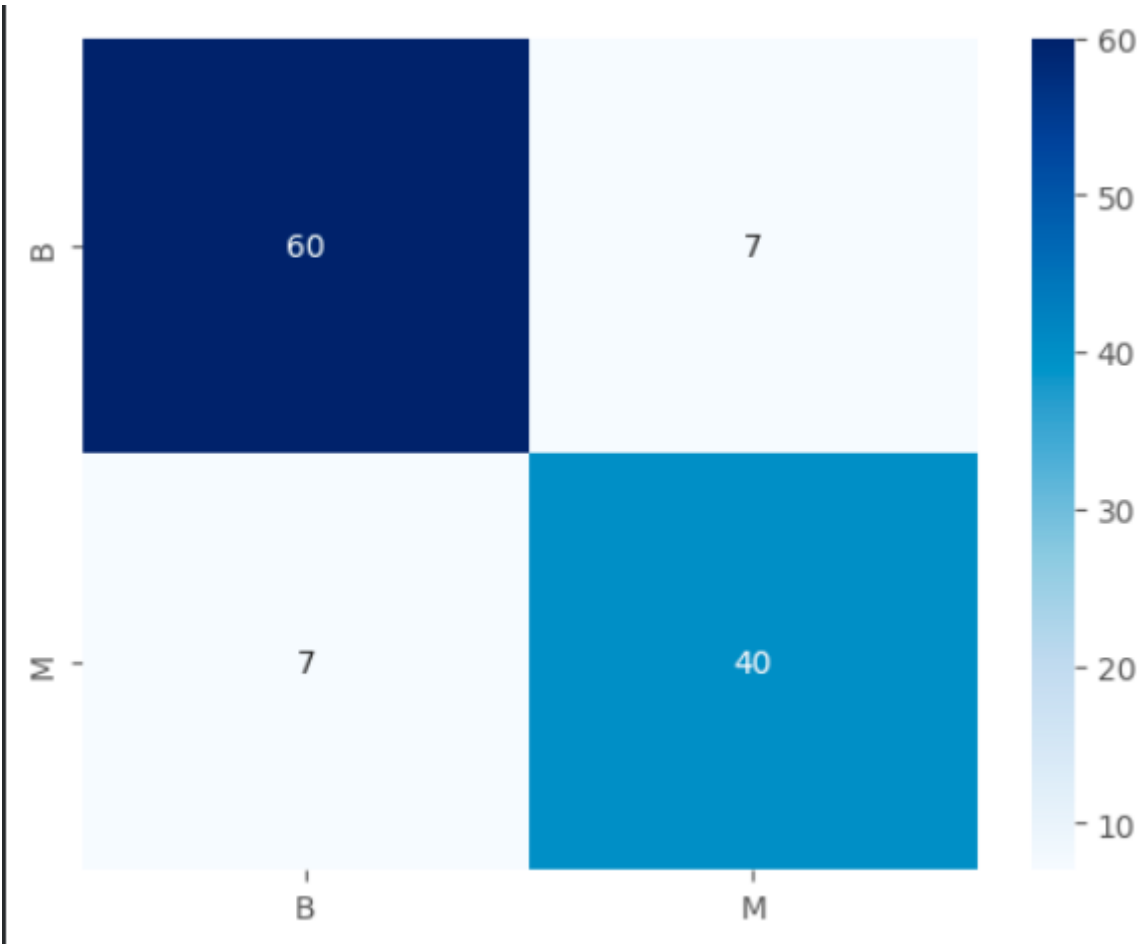


- Weka

```
a b c <-- classified as
49 1 0 | a = Iris-setosa
0 47 3 | b = Iris-versicolor
0 2 48 | c = Iris-virginica
```

Confusion Matrix (Breast Cancer Dataset)

- Python



- Weka

```
669
670 === Confusion Matrix ===
671
672 | a  b  <-- classified as
673 |195 17 |   a = M
674 | 22 335 |   b = B
675
```

Classification Report (Iris Dataset)

- Python

	0	1	2	accuracy	macro avg	weighted avg
precision	1.0	1.000000	0.916667	0.977778	0.972222	0.979630
recall	1.0	0.944444	1.000000	0.977778	0.981481	0.977778
f1-score	1.0	0.971429	0.956522	0.977778	0.975983	0.977943
support	16.0	18.000000	11.000000	0.977778	45.000000	45.000000

- Weka

Detailed Accuracy By Class ===									
	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.980	0.000	1.000	0.980	0.990	0.985	0.990	0.987	Iris-seto
	0.940	0.030	0.940	0.940	0.940	0.910	0.952	0.880	Iris-vers
	0.960	0.030	0.941	0.960	0.950	0.925	0.961	0.905	Iris-virg
ghted Avg.	0.960	0.020	0.960	0.960	0.960	0.940	0.968	0.924	

Classification Report (Breast Cancer Dataset)

- Python

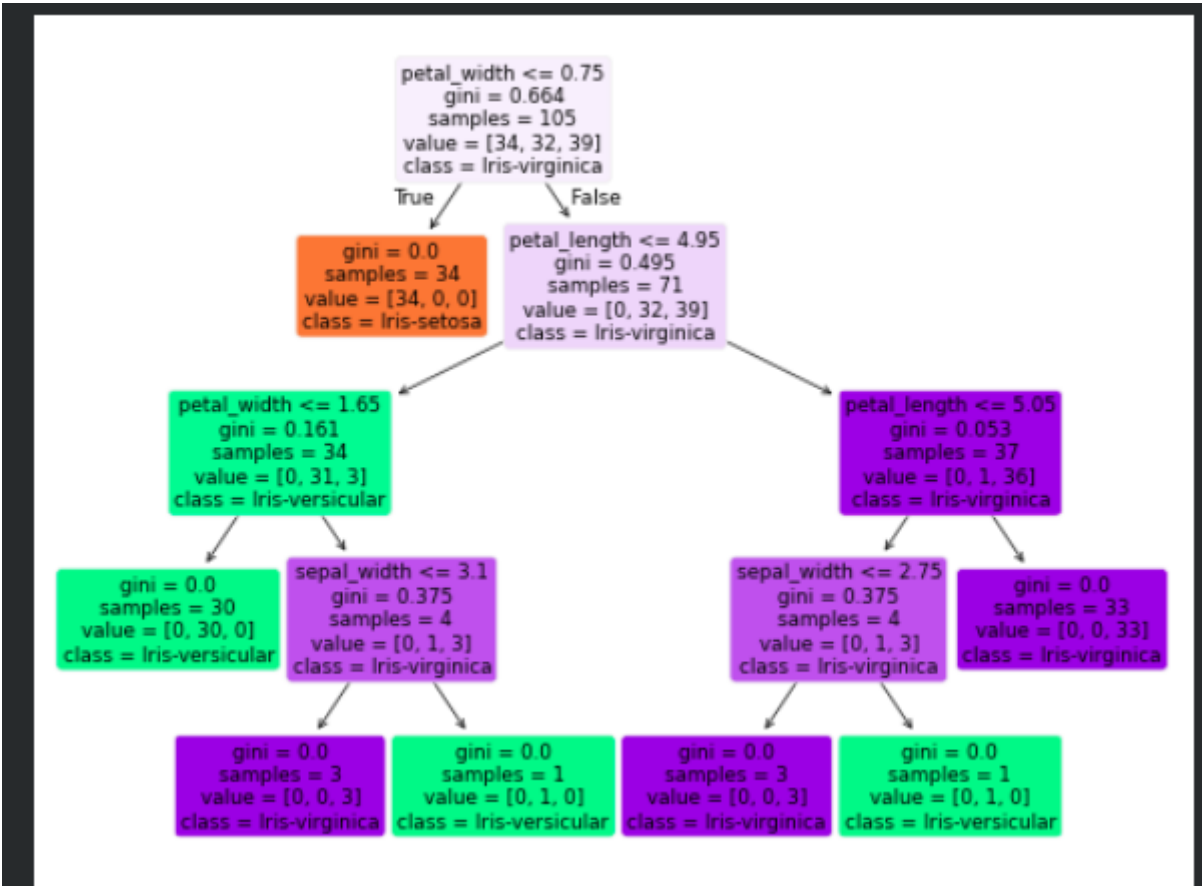
	0	1	accuracy	macro avg	weighted avg
precision	0.895522	0.851064	0.877193	0.873293	0.877193
recall	0.895522	0.851064	0.877193	0.873293	0.877193
f1-score	0.895522	0.851064	0.877193	0.873293	0.877193
support	67.000000	47.000000	0.877193	114.000000	114.000000

- Weka

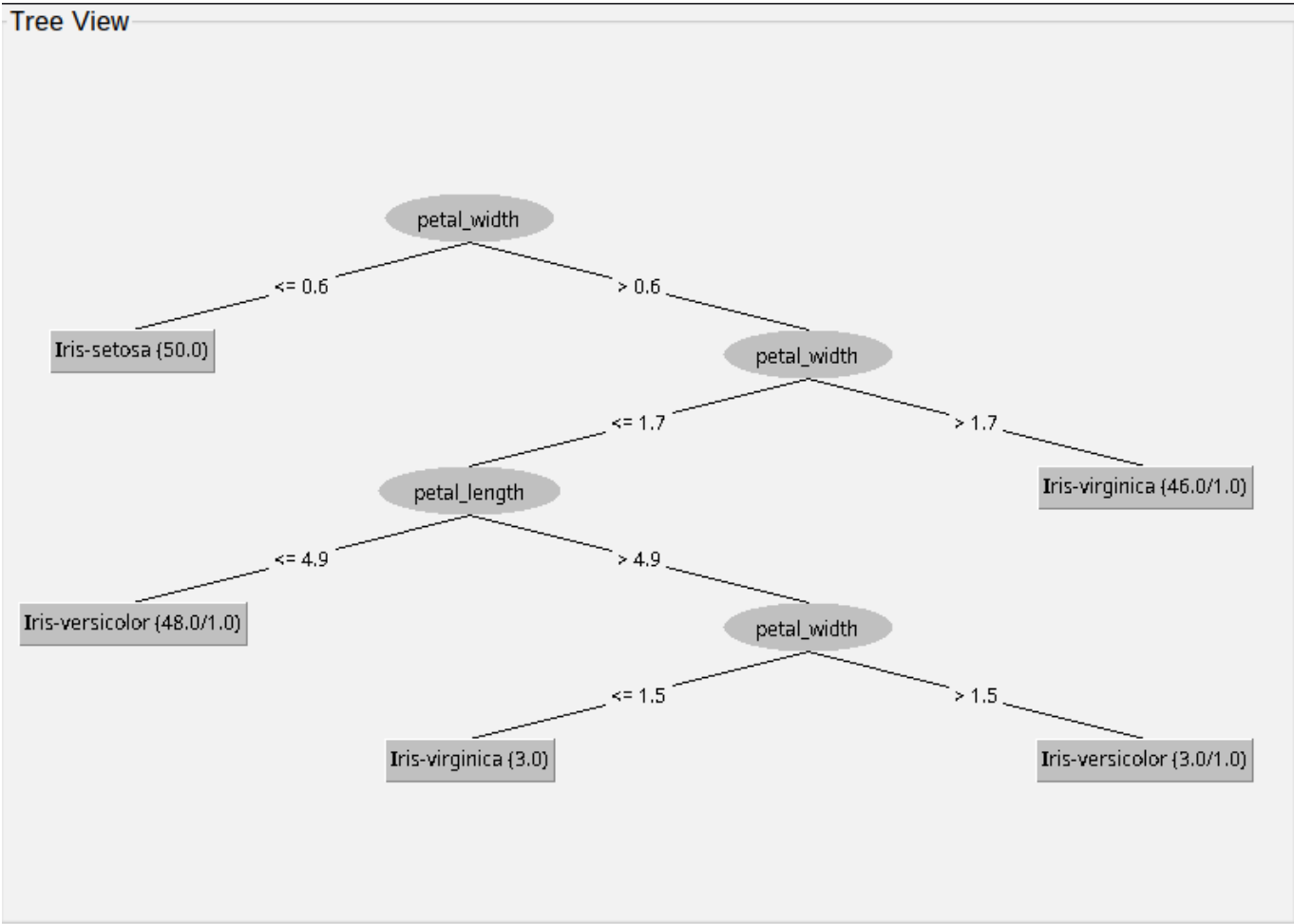
TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
0.920	0.062	0.899	0.920	0.909	0.854	0.927	0.876	M
0.938	0.080	0.952	0.938	0.945	0.854	0.927	0.918	B
0.931	0.073	0.932	0.931	0.932	0.854	0.927	0.902	

Decision Tree Visualization (Iris Dataset)

- Python

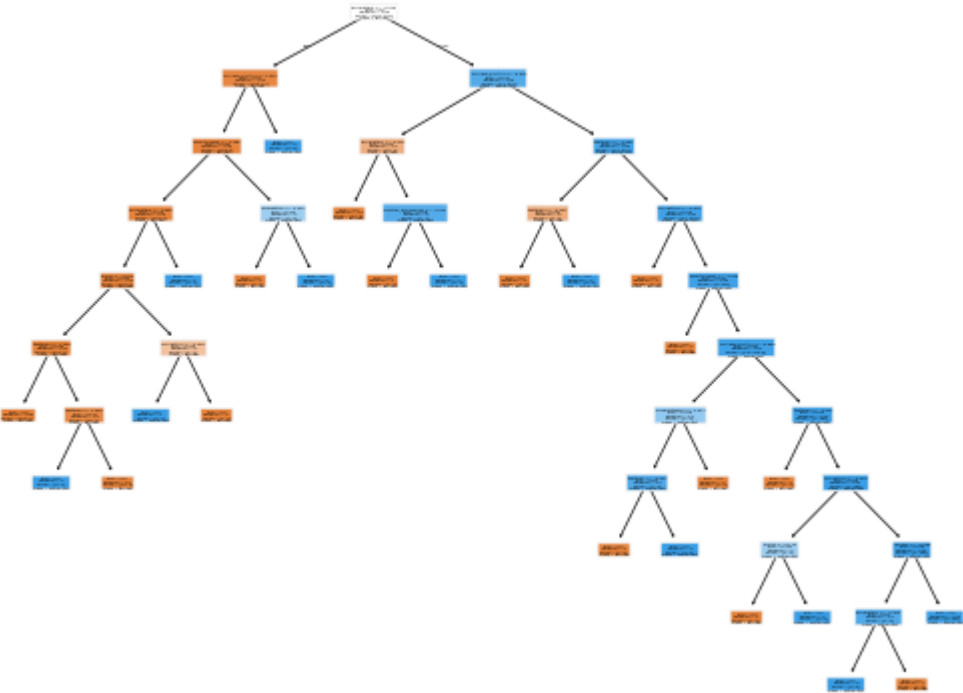


- Weka



Decision Tree Visualization (Breast Cancer Dataset)

- Python



- Weka

