

localhost:8502 2/10

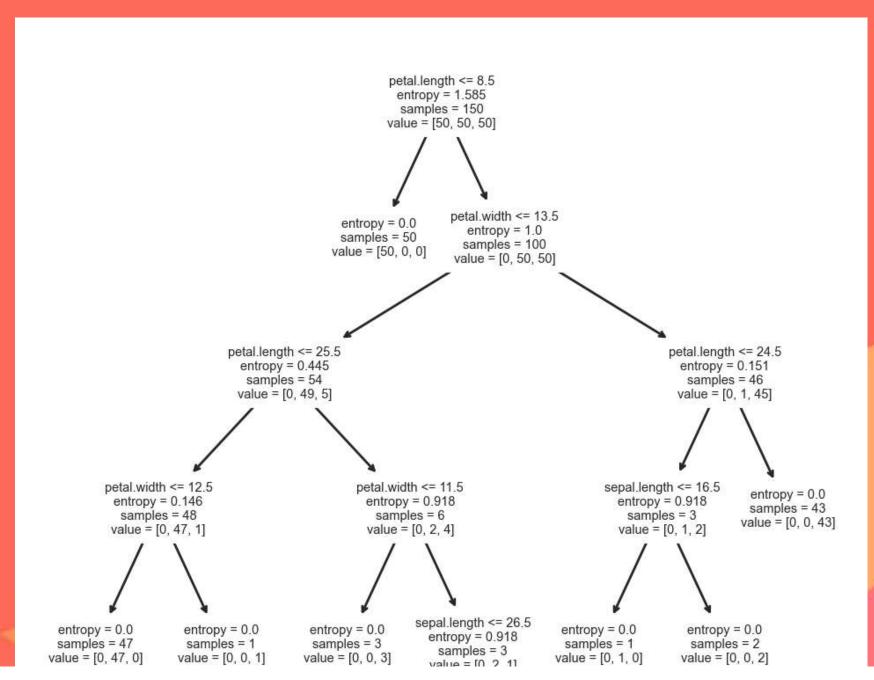


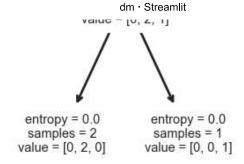
Gini Index

Decision Tree

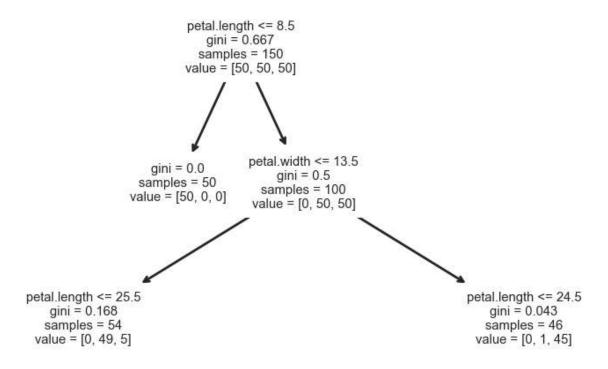
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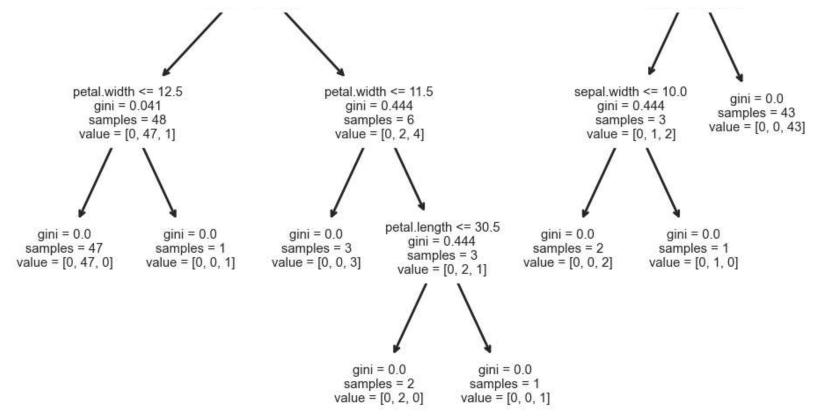
Criteria: Information Gain



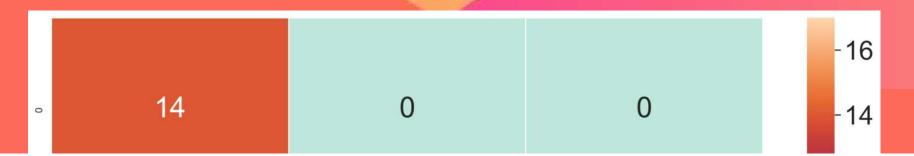


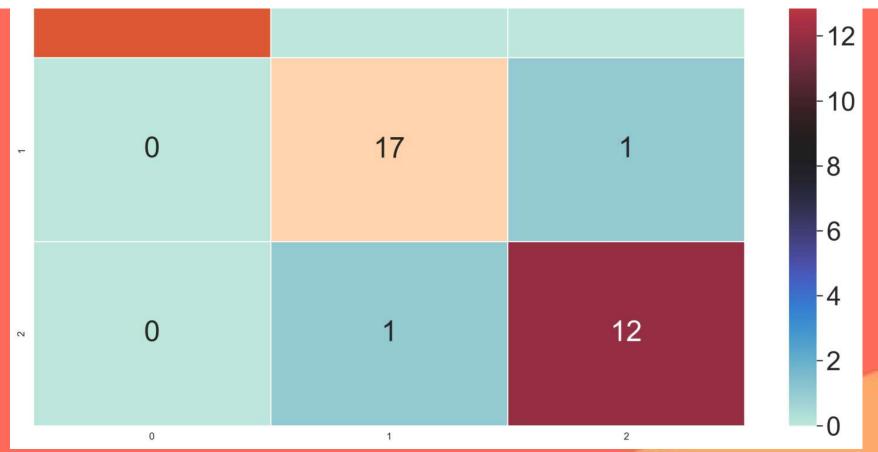
Criteria: Gini Index





Confusion Matrix:





Performance:

Accuracy score : 0.955555555555556

Precision score : 0.9558404558404558

```
Recall(Sensitivity): 0.9558404558404558

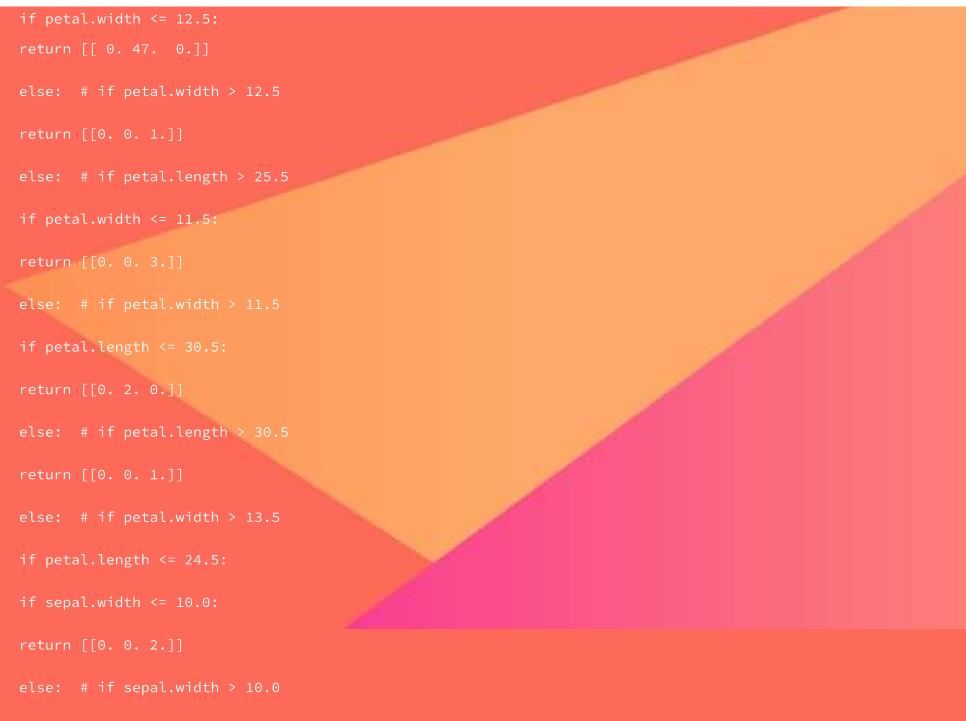
Specificity: 0.9558404558404558
```

Rule Base Classifier

Extract Code Rules

```
def predict(sepal.1, sepal., petal.1):
if petal.length <= 8.5:
return [[50. 0. 0.]]
else: # if petal.length > 8.5
if petal.width <= 13.5:
if petal.length <= 25.5:</pre>
```

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```
return [[0. 1. 0.]]
else: # if petal.length > 24.5

return [[ 0. 0. 43.]]

Made with Streamlit
```