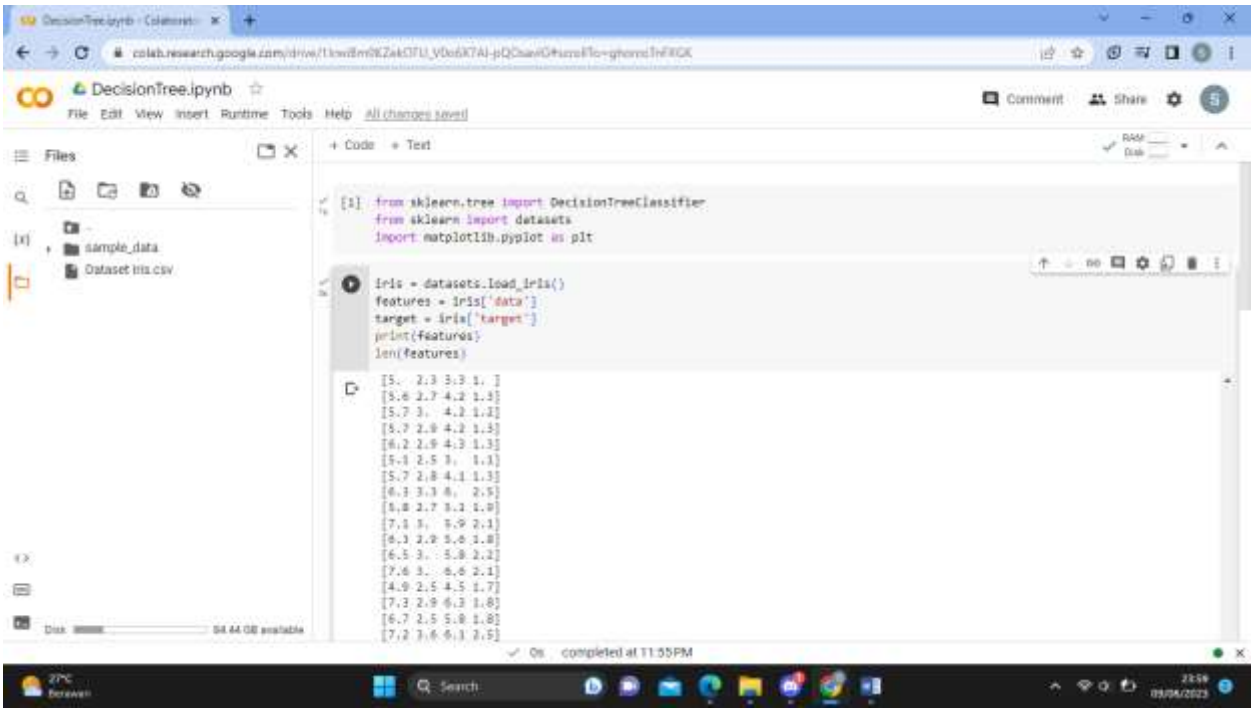
Nama : Shine Vardina Victoria Sudrajat

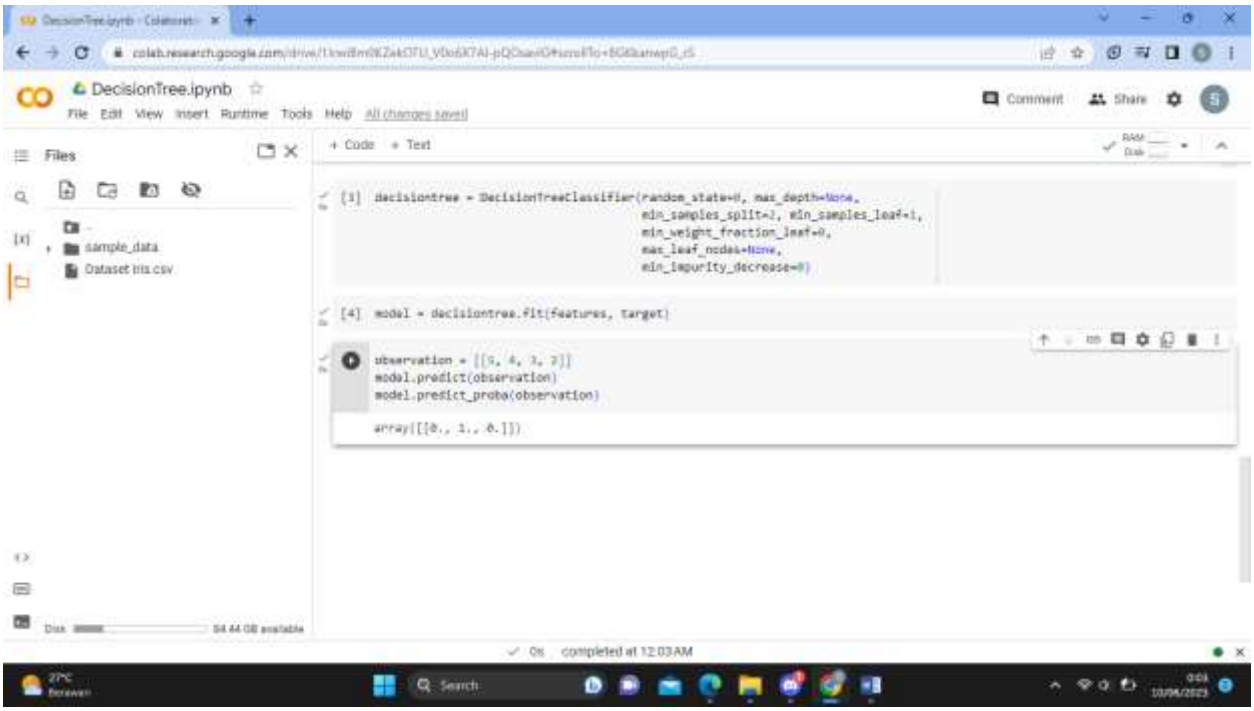
NIM : A11.2020.13189

Kelas : A11.4614

Link Colab : https://colab.research.google.com/drive/1IcwiBm0KZekOTU_V0o6X7AI-pQOsavIG?usp=sharing

Link Github : https://github.com/Shinevv27/DataMining/tree/main/Latihan7




DecisionTree.ipynb
File Edit View Insert Runtime Tools Help All changes saved
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sample_data
Dataset Iris.csv
[3] decisiontree = DecisionTreeClassifier(random_state=0, max_depth=None,
min_samples_split=2, min_samples_leaf=1,
min_weight_fraction_leaf=0,
max_leaf_nodes=None,
min_impurity_decrease=0)
[4] model = decisiontree.fit(features, target)
observation = [[5, 4, 3, 2]]
model.predict(observation)
model.predict_proba(observation)
array([[0., 1., 0.]])
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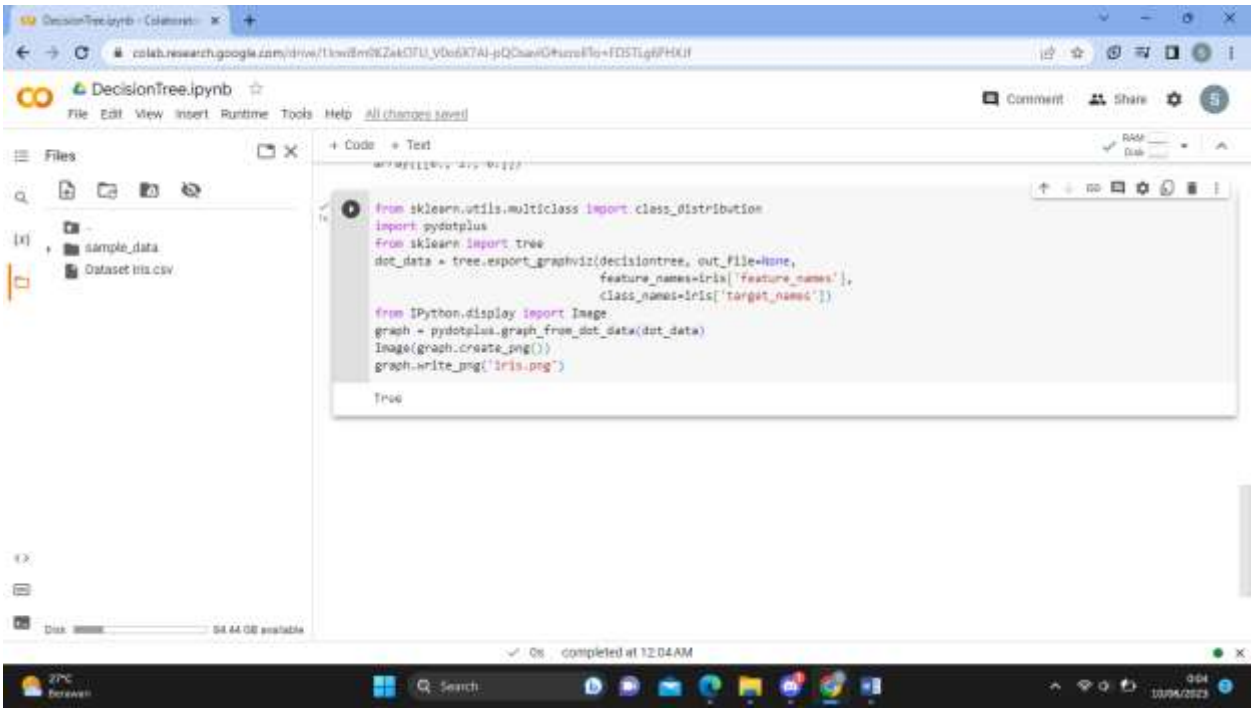
DecisionTree.ipynb
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sample_data
Dataset Iris.csv
from sklearn.utils.multiclass import class_distribution
import pydotplus
from sklearn import tree
dot_data = tree.export_graphviz(decisiontree, out_file=None,
feature_names=iris['feature_names'],
class_names=iris['target_names'])
from IPython.display import Image
graph = pydotplus.graph_from_dot_data(dot_data)
Image(graph.create_png())
graph.write_png('iris.png')
True
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