Nama : Dina Etikasari

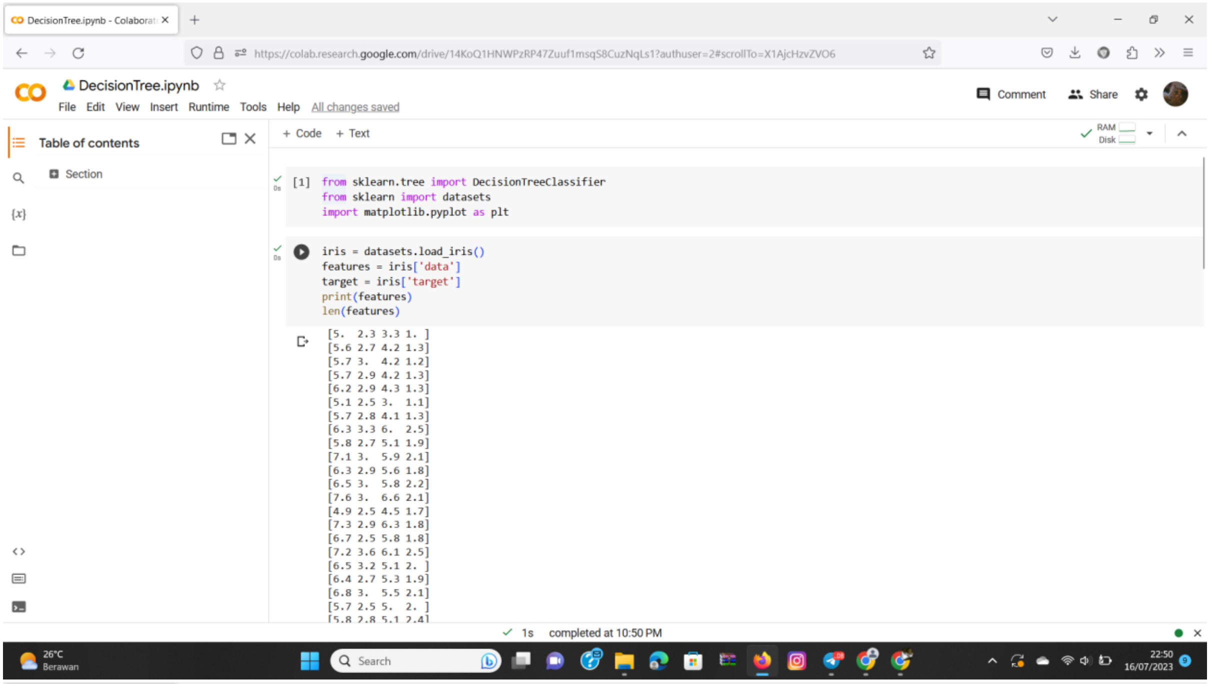
NIM : A11.2020.13191

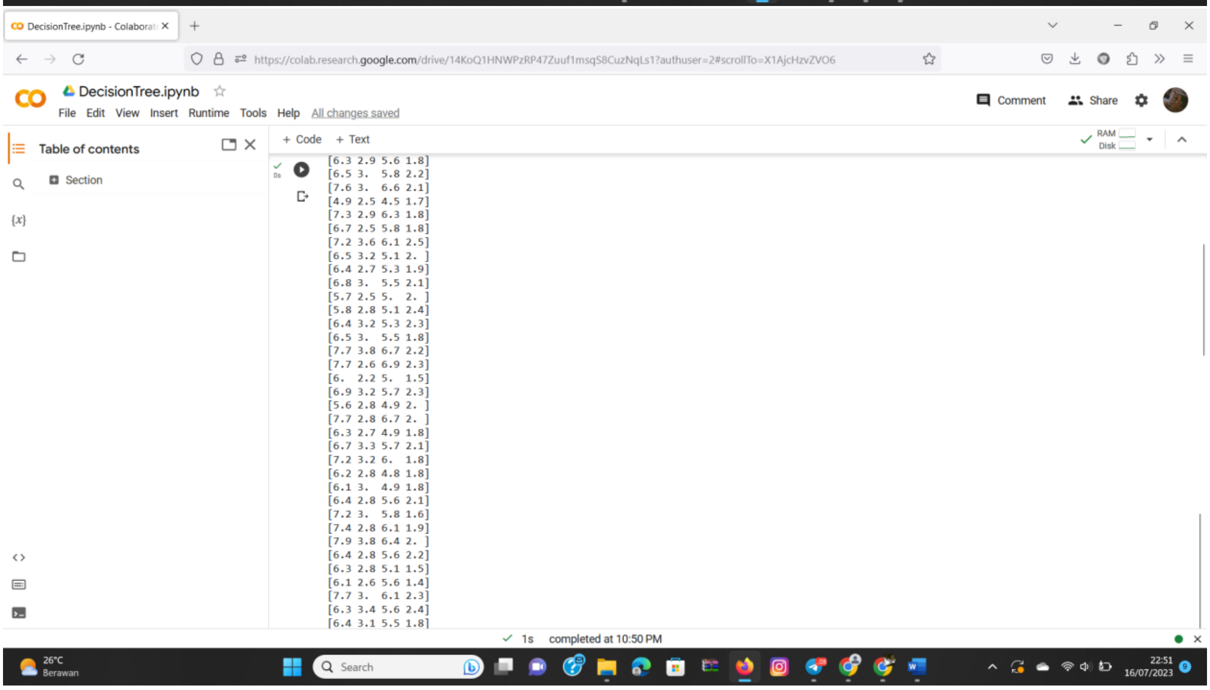
Kelas : A11.4614

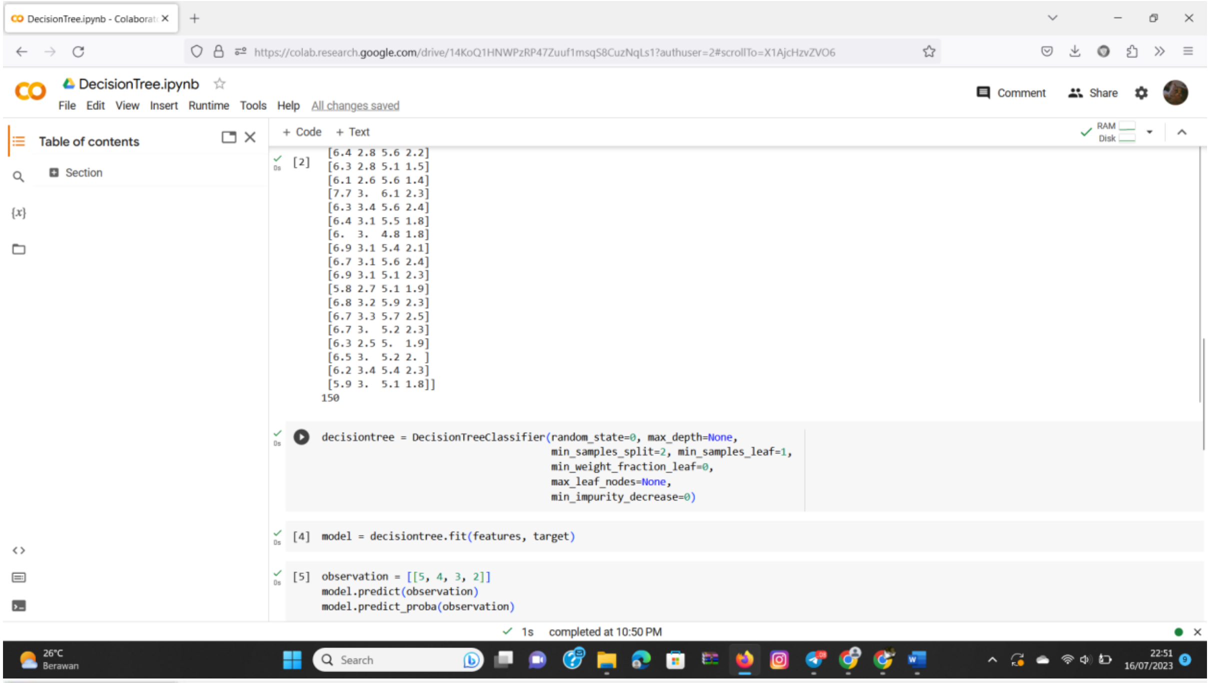
Link Colab :

https://colab.research.google.com/drive/14KoQ1HNWPzRP47Zuuf1msqS8CuzNqLs1?usp=sharing

Link Github :
https://github.com/Dinaeks19/DATA_MINING/tree/ece1551e7cabcbc821e71d37dc453bc4af7acb3f/LATIHAN%207



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DecisionTree.ipynb
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[6.1 2.6 5.6 1.4]
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[6.9 3.1 5.4 2.1]
[6.7 3.1 5.6 2.4]
[6.9 3.1 5.1 2.3]
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[6.5 3. 5.2 2.]
[6.2 3.4 5.4 2.3]
[5.9 3. 5.1 1.8]]
150
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)
[5] observation = [[5, 4, 3, 2]]
model.predict(observation)
model.predict_proba(observation)
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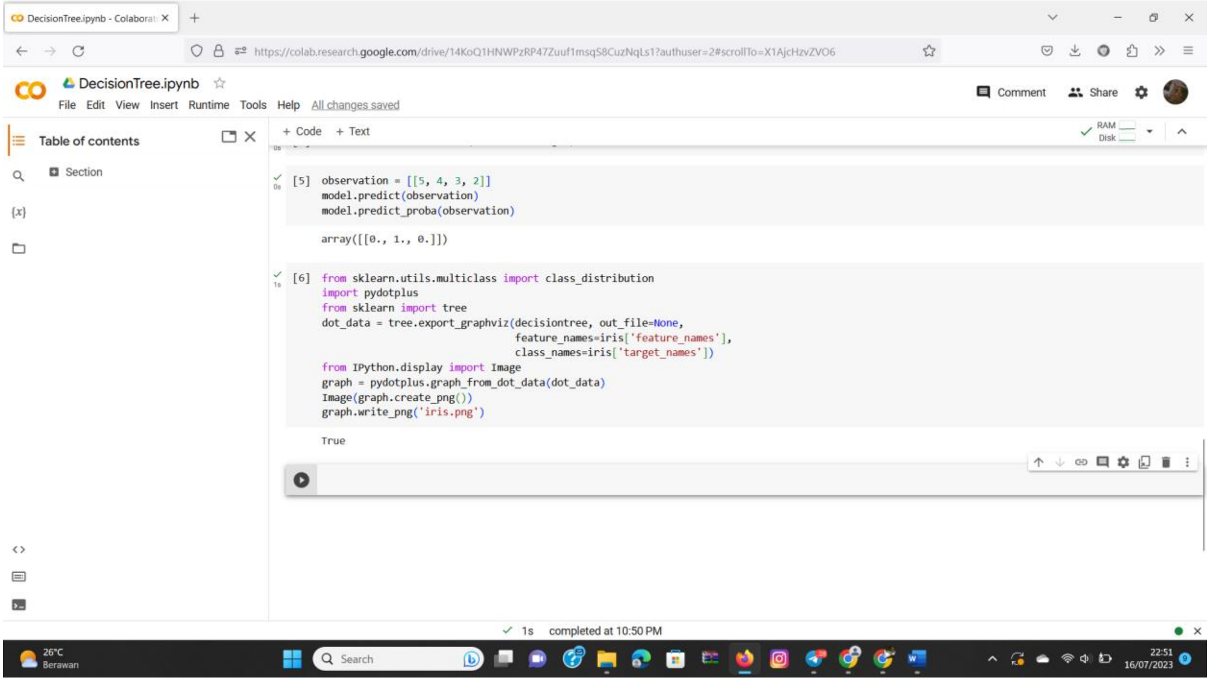
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[5] observation = [[5, 4, 3, 2]]
model.predict(observation)
model.predict_proba(observation)
array([[0., 1., 0.]])
[6] from sklearn.utils.multiclass import class_distribution
import pydotplus
from sklearn import tree
dot_data = tree.export_graphviz(decisiontree, 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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