**LAPORAN TUGAS**

**DECISION TREE**



**KECERDASAN KOMPUTASIONAL E (C)**

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**Surabaya**

**2019**

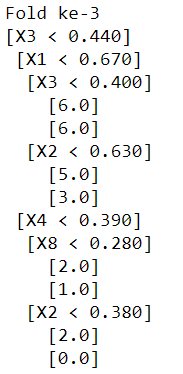
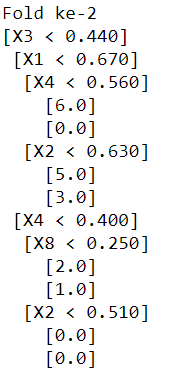
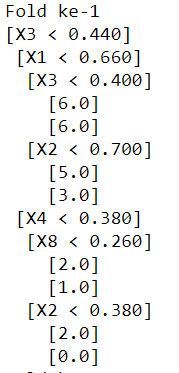
1. Data Training dan Data Testing

Pada decision tree untuk Klasifikasi, splitting data dengan menggunakan k-Fold Cross Validation. Data k nya adalah :

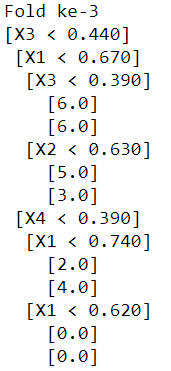
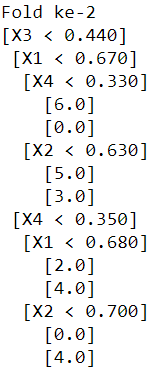
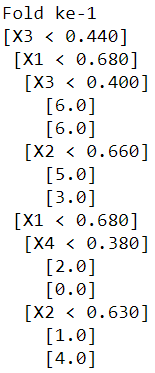
* 3-Fold Cross Validation
* 6-Fold Cross Validation
* 9-Fold Cross Validation

1. Model Decision Tree

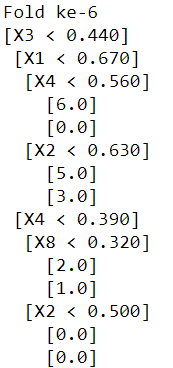
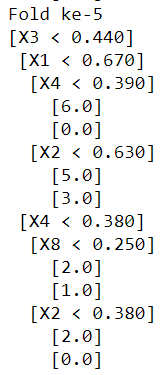
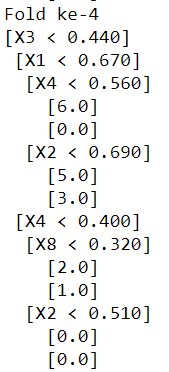
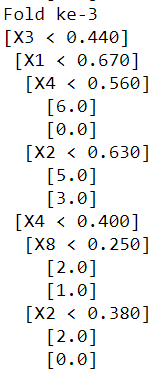
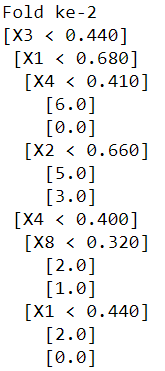
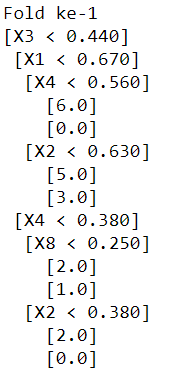
* 3-Fold Cross Validation (Gini)



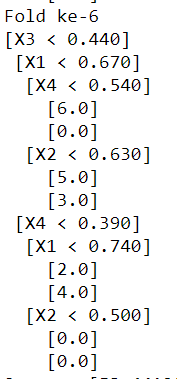
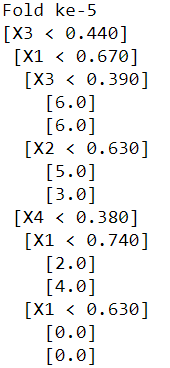
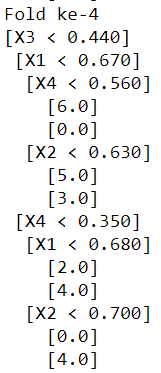
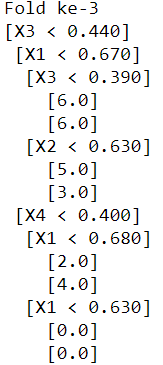
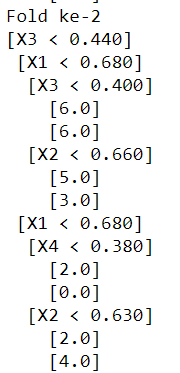
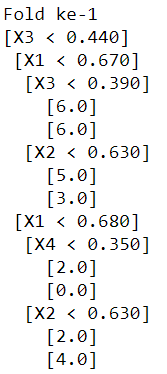
* 3-Fold Cross Validation (Entropy)



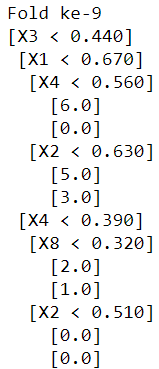
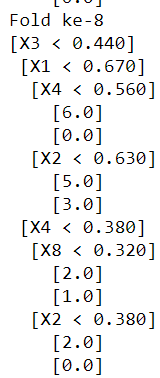
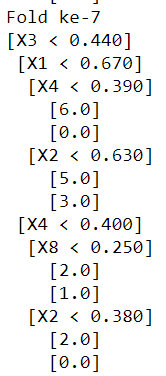
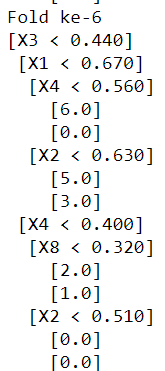
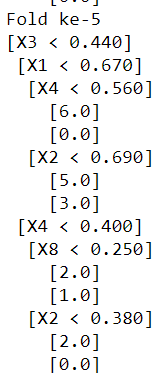
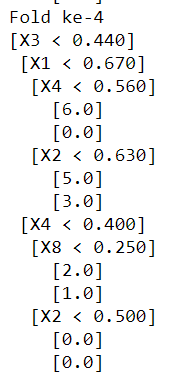
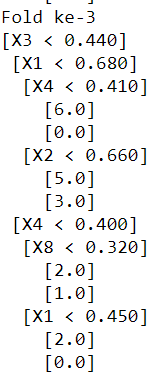
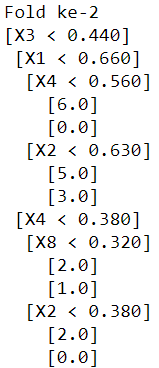
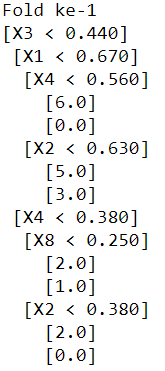
* 6-Fold Cross Validation (Gini)



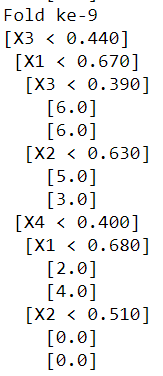
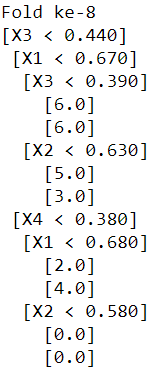
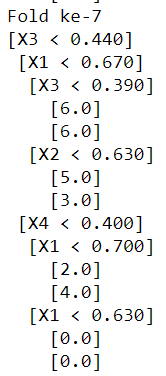
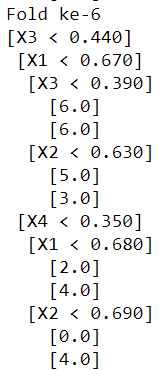
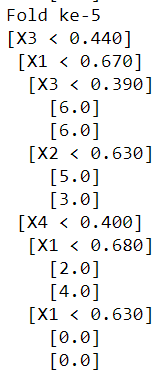
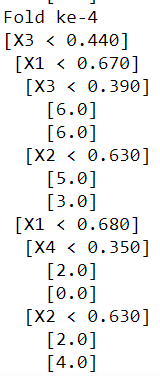
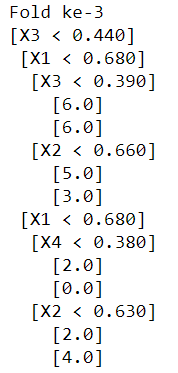
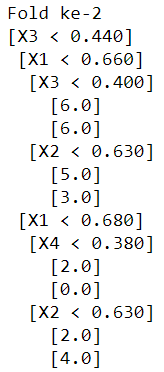
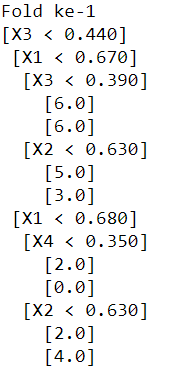
* 6-Fold Cross Validation (Entropy)



* 9-Fold Cross Validation (Gini)

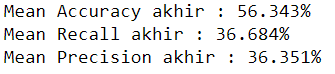


* 9-Fold Cross Validation (Entropy)

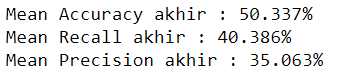


1. Hasil Pengukuran Performance

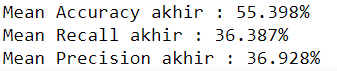
* 3-Fold Cross Validation (Gini)



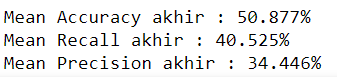
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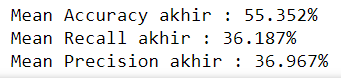
* 6-Fold Cross Validation (Gini)



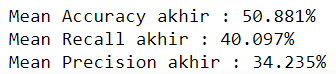
* 6-Fold Cross Validation (Entropy)



* 9-Fold Cross Validation (Gini)



* 9-Fold Cross Validation (Entropy)



Source code :

<https://github.com/trasv/KK_C/blob/master/Decision_Tree/DT.py>

Referensi

<https://machinelearningmastery.com/implement-decision-tree-algorithm-scratch-python/>