

1. latar belakang

1. Python 3.1

Definisi Asupan

2. VS Code → File Manager
Folder

2. Data:

Processing &

data mining

Perhitungan

3. Extension Python

Jenis & kualitas

4. #127 Select infer

Organisasi data

Prefer Python

(visualisasi & Subjek) & end

3. klasifikasi:

pen as adminis

Decision tree

tration Python

Naive bayes

6. NumPy

Object

Scikit learn

Matplotlib

Pandas

```
import pandas as pd
```

```
from sklearn.model_selection import train_test_split
```

```
from sklearn.tree import DecisionTreeClassifier
```

```
from sklearn import metrics
```

```
import matplotlib as plt
```

```
from sklearn import tree
```

1. load data

```
df = pd.read_csv("D://data-mining/keputusan.csv")
```

2. konversi label

```
df["lulus"] = df["lulus"].map["lulus":1, "tidak":0]
```

3. Pemisahan fitur dan label

```
X = df[["kehadiran", "Nilai_tugas", "Nilai_UTS", "Nilai_uas"]]
```

```
Y = df["lulus"]
```

kehadiran, Nilai - tugas, Nilai - UTS, Nilai - UAS, lulus

90, 95, 80, 85, ya

60, 65, 55, 70, tidak

80, 70, 85, 75, ya

75, 60, 70, 80, tidak

85, 80, 75, 90, ya

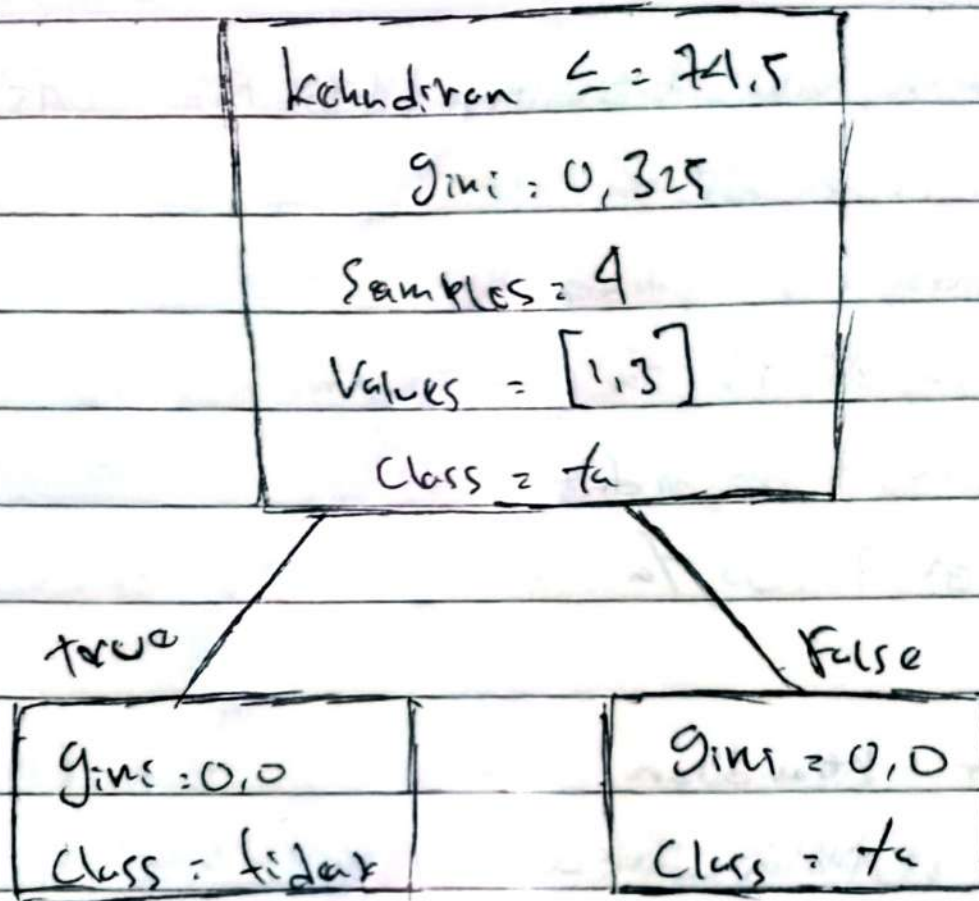
Fitur = kehadiran

Nilai - Tugas

Nilai - UTS

Nilai - UAS

label = lulus



Evaluasi per badan

ROC & AUC

test size = 0,2

80-20

Evaluasi Kerja klasifikasi

→ Confusion matrix

	prediksi (lulus)	prediksi (tidak)
asli (lulus)	TP	FN
asli (tidak)	FP	TN

Evaluasi

- Akurasi

- Presisi P

- Recall R

- F1-Score

Data mining → Pola

- klasifikasi → label → Tujuan
- klusterisasi branding
- asosiasi