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Load Google Drive

```
# Define the variable
folder_name = "/content/drive/My Drive/Colab Notebooks/Machine_Learning_IF5/
01_adult_klasifikasi"
```

```
from google.colab import drive
drive.mount('/content/drive', force_remount=True)
import sys
sys.path.append(f'{folder_name}')
```

Load Library

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
pd.set_option('display.max_columns', None)
import joblib
```

Baca Model Terbaik yang Disimpan Sebelumnya

```
classifier_dt = joblib.load(f'{folder_name}/best_income_predictor_model.joblib')
```

```
classifier_dt
```

- Informasi yang dipakai
  - age float64
  - workclass int64
  - fnlwgt float64
  - education-num float64
  - marital-status int64
  - occupation int64
  - relationship int64
  - race int64
  - sex int64
  - hours-per-week float64
  - native-country int64
  - income

Masukkan Age

```
age = float(input('Masukkan Age: '))
```

Masukkan Workclass

```
workclass = {'Never-worked':0, 'Without-pay':1, 'Self-emp-inc':2,
    'Local-gov':3, 'Federal-gov':4, 'State-gov':5, 'Self-emp-not-inc':6,
    'Private':7}
print(workclass)
```

```
workclass = int(input('Masukkan Workclass: '))
```

Masukkan Final Weight

```
[ ] fnlwgt = float(input('Masukkan Final Weight: '))
```

Masukkan Education

```
education = {'Preschool':1.0,'1st-4th':2.0,'5th-6th':3.0,'7th-8th':4.0,'9th':5.
0,'10th':6.0,'11th':7.0,'12th':8.0,'HS-grad':9.0,'Some-college':10.0,
'Assoc-voc':11.0,'Assoc-acdm':12.0,'Bachelors':13.0,'Masters':14.0,
'Prof-school':15.0,'Doctorate':16.0}
print(education)
```

```
education_num = float(input('Masukkan angka Education: '))
```

Masukkan Marital Status

```
maritalstatus = {'Never-married':0, 'Married-civ-spouse':1, 'Divorced':2,
    'Married-spouse-absent':3, 'Widowed':4, 'Married-AF-spouse':5, 'Separated':6}
print(maritalstatus)
```

marital\_status = int(input('Masukkan angka Marital Status: '))

Masukkan Occupation

```
occupation = {'Adm-clerical':1, 'Exec-managerial':2, 'Handlers-cleaners':3,
    'Prof-specialty':4, 'Other-service':5, 'Sales':6, 'Craft-repair':7,
    'Transport-moving':8, 'Farming-fishing':9, 'Machine-op-inspct':10,
    'Tech-support':11, 'Protective-serv':12, 'Armed-Forces':13,
    'Priv-house-serv':14}

print(occupation)
```

occupation = int(input('Masukkan angka Occupation: '))

Masukkan Relationship

```
relationship = {'Unmarried':0, 'Not-in-family':1, 'Husband':2, 'Wife':3,
   'Own-child':4, 'Other-relative':5}
print(relationship)
```

relationship = int(input('Masukkan angka Relationship: '))

Masukkan Race

```
race ={'White':1, 'Black':2, 'Asian-Pac-Islander':3, 'Amer-Indian-Eskimo':4,
    'Other':5}
print(race)
```

race = int(input('Masukkan angka Race: '))

Masukkan Sex

```
sex = {'Female':0, 'Male':1}

print(sex)

sex = int(input('Masukkan angka Sex: '))
```

Masukkan Hours per Week

```
hours_per_week = float(input('Masukkan Hours Per Week: '))
```

Masukkan Native Country

```
nativecountry ={'United-States':1, 'Cuba':2, 'Jamaica':3, 'India':4,
   'Mexico':5, 'South':6, 'Puerto-Rico':7, 'Honduras':8, 'England':9, 'Canada':10,
   'Germany':11, 'Iran':12, 'Philippines':13, 'Italy':14, 'Poland':15,
   'Columbia':16, 'Cambodia':17, 'Thailand':18, 'Ecuador':19, 'Laos':20,
   'Taiwan':21, 'Haiti':22, 'Portugal':23, 'Dominican-Republic':24,
   'El-Salvador':25, 'France':26, 'Guatemala':27, 'China':28, 'Japan':29,
   'Yugoslavia':30, 'Peru':31, 'Outlying-US(Guam-USVI-etc)':32, 'Scotland':33,
   'Trinadad&Tobago':34, 'Greece':35, 'Nicaragua':36, 'Vietnam':37, 'Hong':38,
   'Ireland':39, 'Hungary':40, 'Holand-Netherlands':41}
```

```
native_country = int(input('Masukkan angka Native Country: '))
```

#### Proses Prediksi Data Baru

- pred\_args
- model\_prediction = classifier\_dt.predict(pred\_args)[0]
- model\_prediction

#### Hasil Prediksi

```
labels = {0:"<=50K", 1:">50K"}
```

prediction = labels[model\_prediction]
print('Hasil Prediksi adalah:', prediction)