Nama : Triansyah Amarullah Ahmad Prayoga

NPM : 41155050210034

Kelas : INF-A2

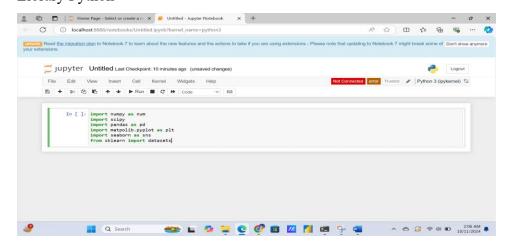
TUGAS PERTEMUAN 1

1. Installasi jupyter notebook

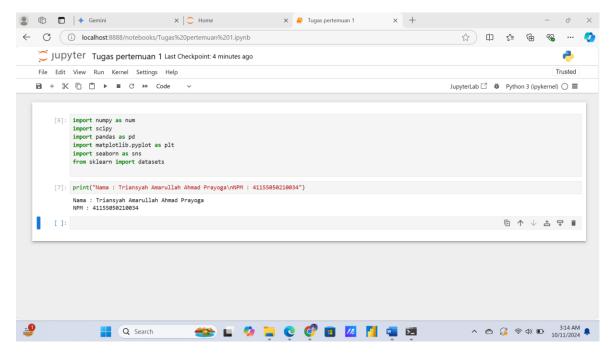
• Jupyter notebook

```
C:\Users\Asep Dimyati>jupyter --version
Selected Jupyter core packages...
IPython
                : 8.12.3
ipykernel
               : 6.29.5
               : 8.1.5
ipywidgets
jupyter_client : 8.6.3
jupyter_core
               : 5.7.2
jupyter_server : 2.14.2
jupyterlab
               : 4.2.5
nbclient
               : 0.10.0
nbconvert
               : 7.16.4
nbformat
               : 5.10.4
notebook
               : 7.2.2
gtconsole
               : not installed
traitlets
              : 5.14.3
C:\Users\Asep Dimyati>
```

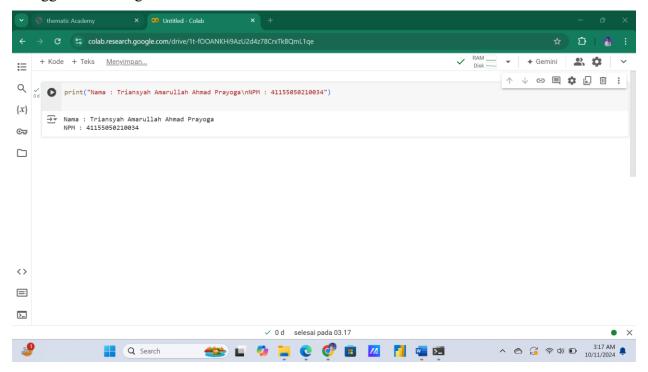
• Library Python



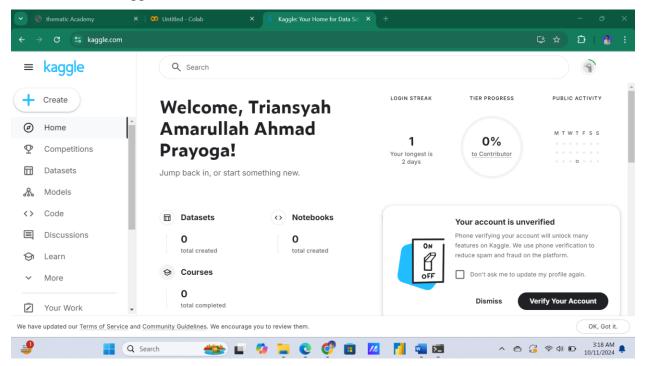
Hasil



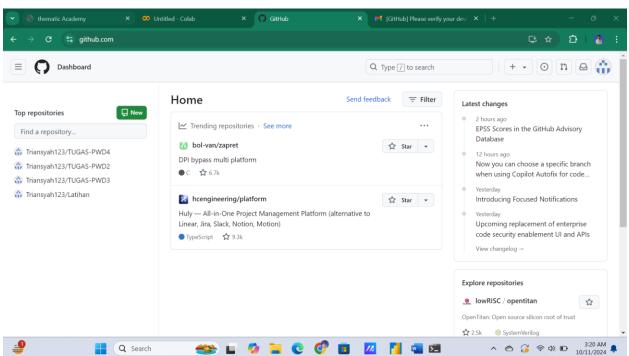
2. Menggunakan Google Collab



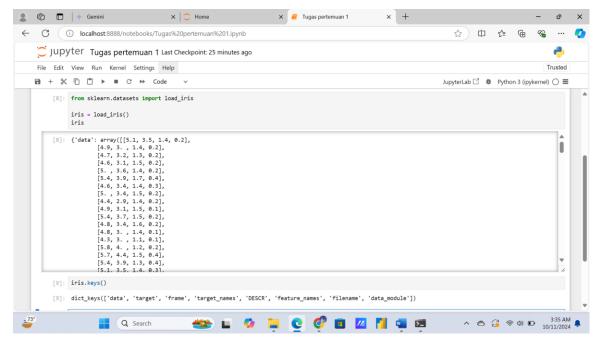
3. Membuat akun Kaggle



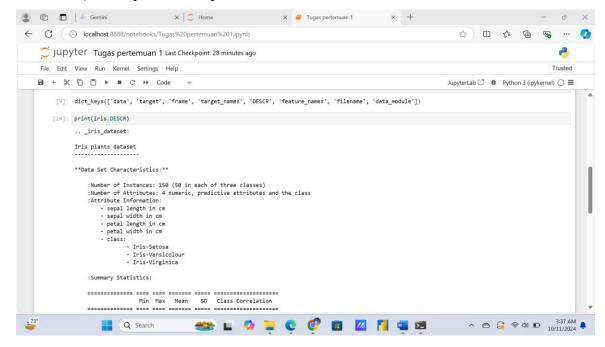
4. Membuat akun github



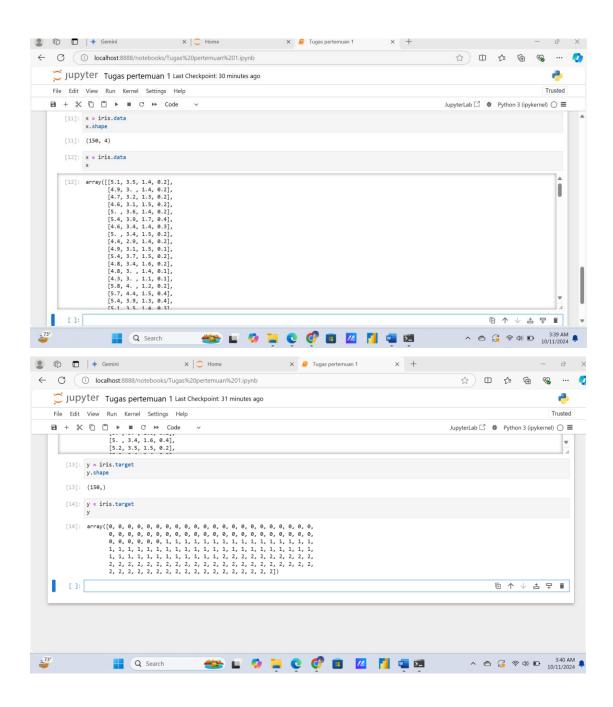
- 5. Lakukan praktek dari video pertama (https://youtu.be/mSO2hJln0OY?feature=shared)
 - Load sample dataset



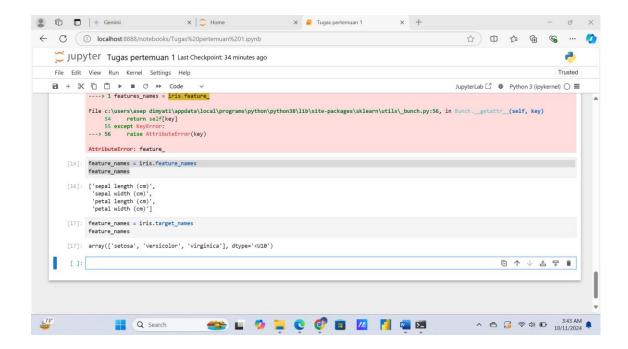
• Metadata | Deskripsi dari sample dataset



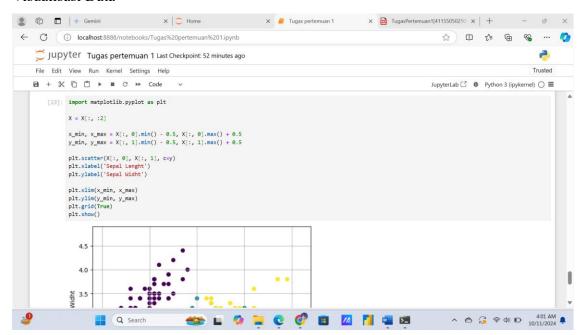
• Explanatory & Response Variables | Features & Target

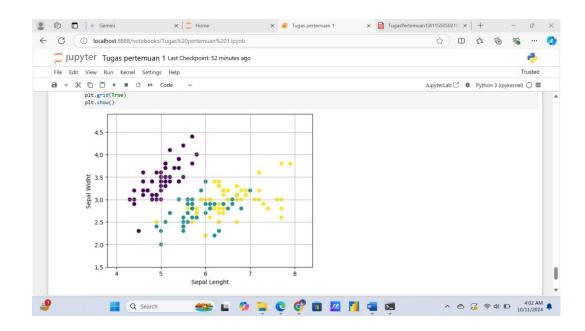


Feature & Target Names

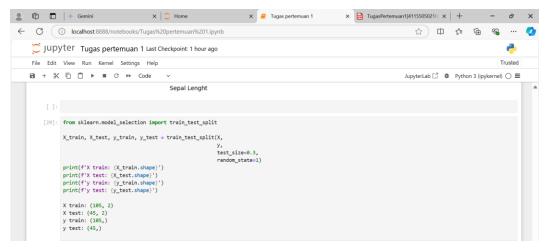


• Visualisasi Data

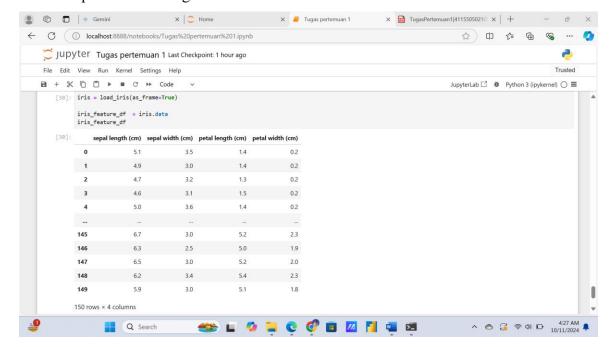




• Training Set & Testing Set



Load sample dataset sebagai Pandas Data Frame



- 6. Lakukan praktek dari video ke 2 (https://youtu.be/tiREcHrtDLo?feature=shared)
 - Persiapan dataset | Loading & splitting dataset

• Training model Machine Learning



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• Evaluasi model Machine Learning

Pemanfaatan trained model machine learning

• Deploy model Machine Learning | Dumping dan Loading model Machine Learning

- 7. Lakukan praktik dari video 3 (https://youtu.be/smNnhEd26Ek?feature=shared)
 - Persiapan sample dataset

Teknik data preprocessing 1: binarization

• Teknik data preprocessing 2: scaling

• Teknik data preprocessing 3: normalization