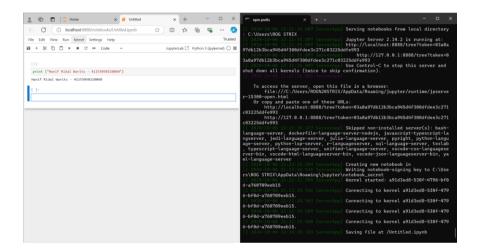
MACHINE LEARNING

Nama: Hanif Ridal Warits

NPM: 41155050210060

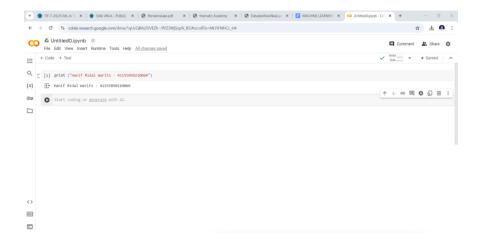
Kelas: Informatika A2 - 2021

1. Install Jupyter Notebook

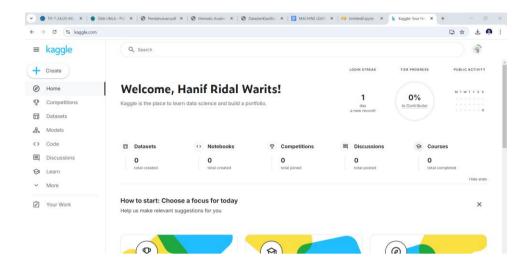




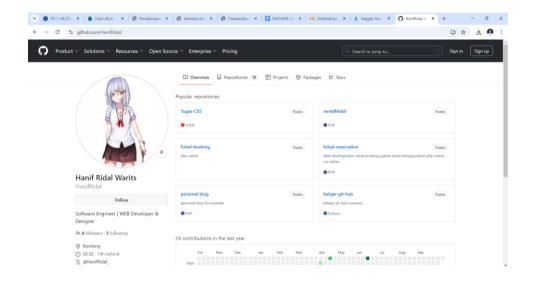
2. Google Collab



3. Akun Kaggle: https://www.kaggle.com/hanifkrong



4. Akun GitHub: https://github.com/HanifRidal/



5.0. Lakukan praktek dari https://youtu.be/mSO2hJln0OY?feature=shared.Praktek tersebut yaitu:

5.1. Load sample dataset

5.2. Metadata | Deskripsi dari sample dataset

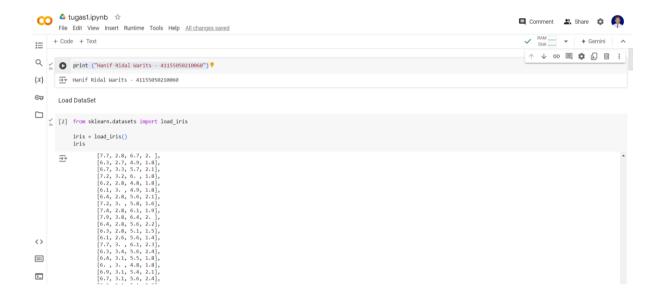
5.3. Explanatory & Response Variables | Features & Target

5.4. Feature & Target Names

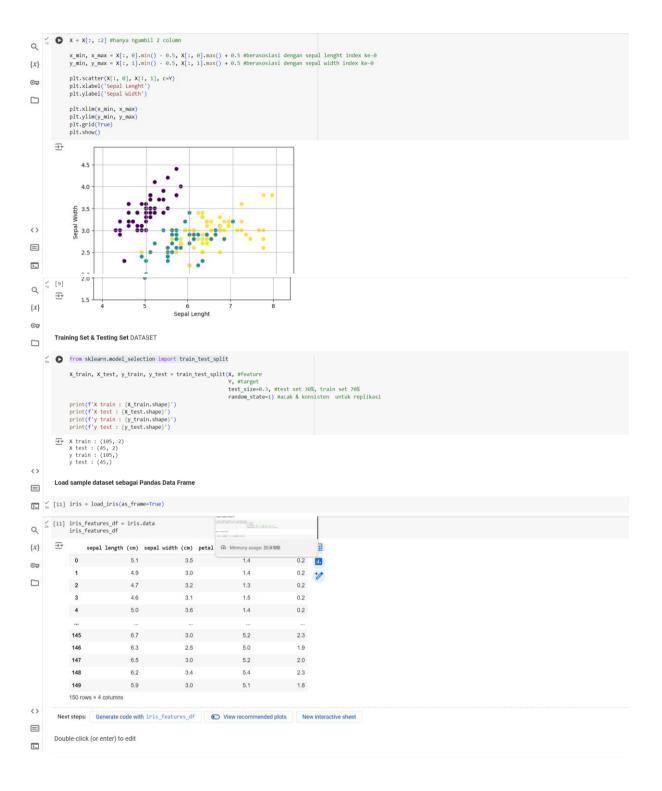
5.5. Visualisasi Data

5.6. Training Set & Testing Set

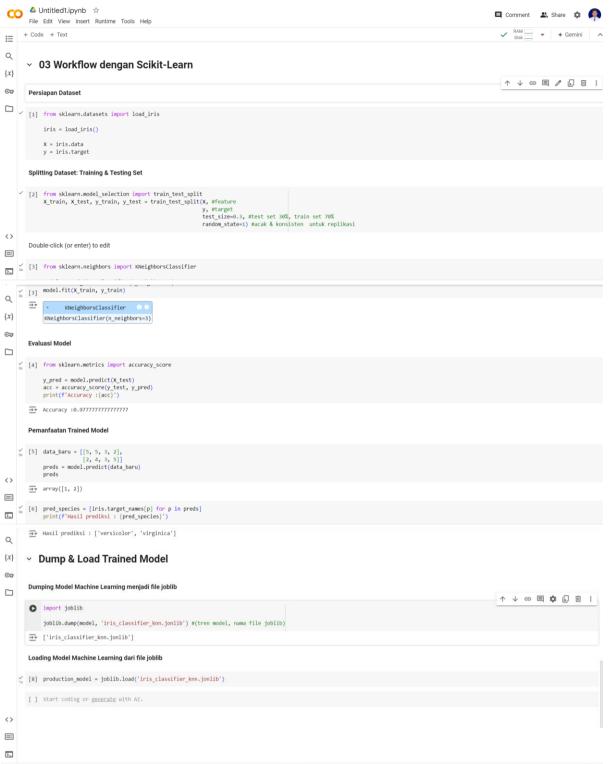
5.7. Load sample dataset sebagai Pandas Data Frame







- 6.0. Lakukan praktek dari https://youtu.be/tiREcHrtDLo?feature=shared . Praktek tersebut yaitu:
- 6.1. Persiapan dataset | Loading & splitting dataset
- 6.2. Training model Machine Learning
- 6.3. Evaluasi model Machine Learning
- 6.4. Pemanfaatan trained model machine learning
- 6.5. Deploy model Machine Learning | Dumping dan Loading model Machine Learning



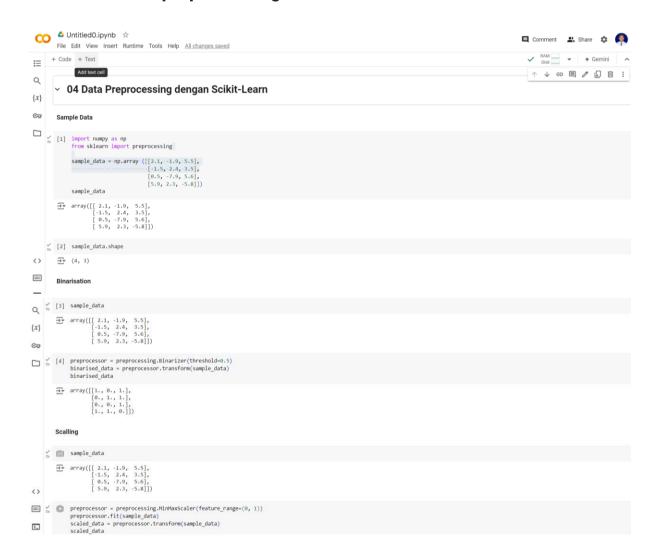
7.0. Lakukan praktek dari https://youtu.be/smNnhEd26Ek?feature=shared . Praktek tersebut yaitu:

7.1. Persiapan sample dataset

7.2. Teknik data preprocessing 1: binarisation

7.3. Teknik data preprocessing 2: scaling

7.4. Teknik data preprocessing 3: normalisation



```
 Q = \begin{cases} & [6] & array([[0.48648649, 0.58252427, 0.99122887], \\ & [0. & 1. & 0.81578947], \\ & [0.27027027, 0. & 1. & ]\\ & [1. & 0.99029126, 0. & ]] \end{cases} 
array([[0.48648649, 0.58252427, 0.99122807], [0. 1. , 0.81578947], [0.27027027, 0. 1. ], [0.27027027, 0. ]])
           L1 Normalisation: Least Absolute Deviations Referensi : https://en.wikipedia.org/wiki/Least_absolute_deviations
      [8] sample_data
           array([[ 2.1, -1.9, 5.5],

[-1.5, 2.4, 3.5],

[ 0.5, -7.9, 5.6],

[ 5.9, 2.3, -5.8]])
arnay([[ 0.22105263, -0.2 , 0.57894737], [-0.2027027 , 0.32432432, 0.47297297], [ 0.05571429, -0.56428571, 0.4 [ 0.42142857, 0.16428571, -0.41428571]])
==
>_
          L2 Normalisation : Least Squares Referensi : https://en.wikipedia.org/wiki/Least_squares
Q
\{x\}  (10)  sample_data
          array([[ 2.1, -1.9, 5.5], [-1.5, 2.4, 3.5], [ 0.5, -7.9, 5.6], [ 5.9, 2.3, -5.8]])

    [12] l2_normalised_data = preprocessing.normalize(sample_data, norm='l2')
    l2_normalised_data

           array([[ 0.33946114, -0.30713151, 0.88906489], [-0.33325106, 0.53320169, 0.7775858 ], [ 0.05155558, -0.81473612, 0.57753461, [ 0.68706914, 0.26784051, -0.6754239 ]])
           [ ] Start coding or generate with AI.
<>
\equiv
>_
```

Connected to Python 3 Google Compute Engine backend

×