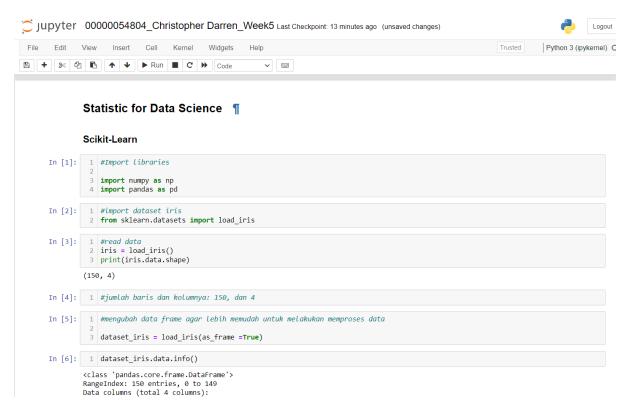
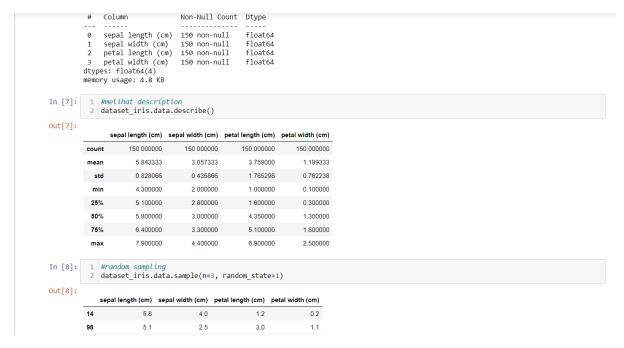
## **Tugas LAB WEEK 5 ASYNCHRON Christopher Darren**



## Gambar 1.



Gambar 2.

```
75 6.6 3.0 4.4 1.4
 In [9]: 1 #representative sampling
            5 dataset_iris.data.sample(n=10, random_state = random.randint(0,5))
 Out[9]:
                sepal length (cm) sepal width (cm) petal length (cm) petal width (cm)
                                        2.8
                                                           5.6
                            5.7
                                           3.8
                                                           1.7
                                                                           0.3
            18
           130
                           7.4
                                          2.8
                                                           6.1
                                                                          1.9
           105
                            7.6
                                           3.0
                                                           6.6
                                                                           2.1
           107
                           7.3
                                           2.9
                                                           6.3
                                                                          1.8
                                                                          1.6
            83
                           6.0
                                          2.7
                                                           5.1
            14
                            5.8
                                           4.0
                                                           1.2
                                                                           0.2
           5
                           5.4
                                           3.9
                                                           1.7
                                                                          0.4
                            6.3
                                           2.8
                                                           5.1
                                                                           1.5
           133
In [10]: 1 #representative sampling
            #sample yang setiap barisnya adalah unik, artinya jika ada sample dengan nilai yang sama,
#sample tersebut akan ditimpa dengan ke sample yang lama
#sehingga jumlah sample akan menjadi lebih sedikit
            7 dataset_iris.data.sample(n=10, replace=True, random_state=1)
Out[10]:
```

## Gambar 3.

```
Out[10]:
             sepal length (cm) sepal width (cm) petal length (cm) petal width (cm)
         37
                       4.9
                              3.6
                                                1.4
                                                                0.1
          140
                        6.7
                                     3.1
                                                    5.6
                                                                 2.4
         72
                                   2.5
                                                   4.9
                                                                1.5
                        6.3
          137
                                      3.1
                                                    5.5
                                                                 1.8
         133
                        6.3
                                     2.8
                                                   5.1
                                                                1.5
          79
                        5.7
                                     2.6
                                                   3.5
                                                                 1.0
          144
                        6.7
                                     3.3
                                                  5.7
                                                                2.5
          129
                        7.2
                                     3.0
                                                   5.8
                                                                 1.6
          71
                        6.1
                                     2.8
                                                   4.0
                                                                 1.3
          134
                        6.1
                                     2.6
                                                   5.6
                                                                 1.4
         Melihat Penyebaran Data
In [11]: 1 #Import matlotlib
          import matplotlib.pyplot as plt
In [12]: 1 #visualisasi
          plt.scatter(dataset_iris.data['sepal length (cm)'], dataset_iris.data['sepal width (cm)'], c=dataset_iris.target)
Out[12]: <matplotlib.collections.PathCollection at 0x1f73baa84f0>
          4.0 -
```

Gambar 4.

## Gambar 5.

Gambar 6.

Gambar 7.