Tugas Pertemuan 4

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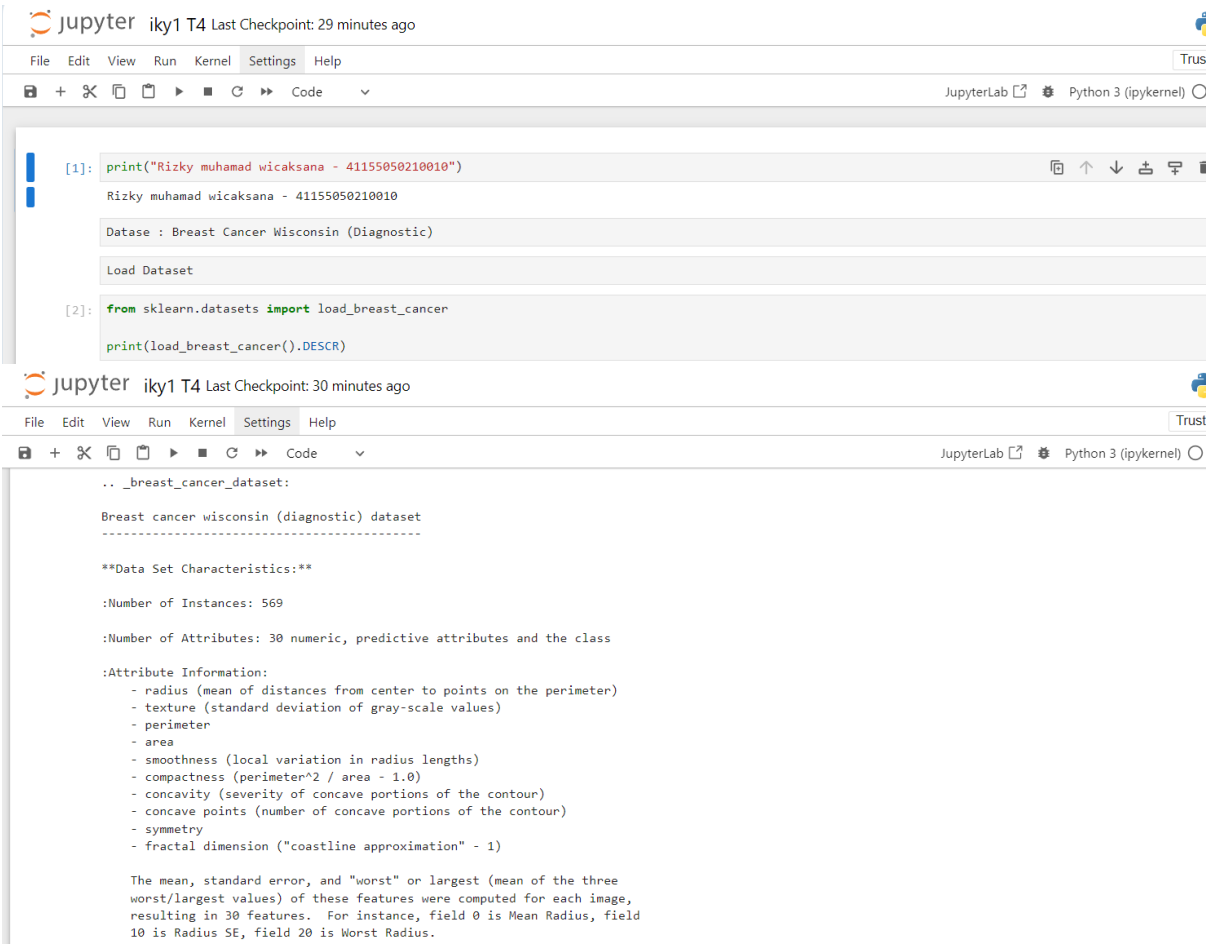
Informatika A1

Machine Learning

1.1. Pengenalan Bayes Naive Bayes Classification Probability
1.2. Pengenalan Naive Bayes Classification
1.3. Pengenalan Prior Probability
1.4. Pengenalan Likelihood
1.5. Pengenalan Evidence |Normalizer
1.6. Pengenalan Posterior Probability
1.7. Studi kasus dan implementasi Naive Bayes

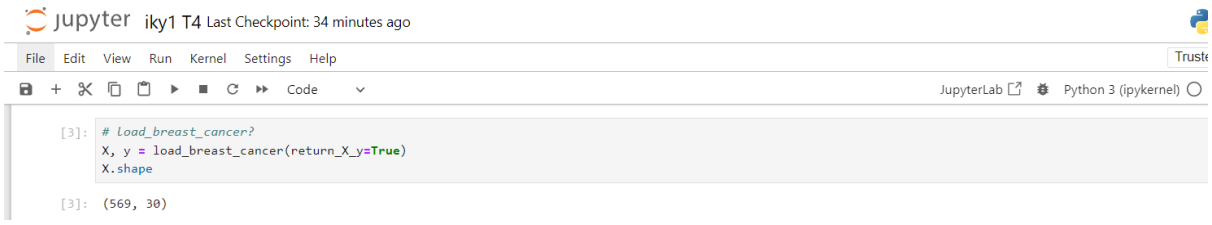
Dataset : Breast cancer Wisconsion (Diagnostic)
Load Dataset



```
    - class:
            - WDBC-Malignant
            - WDBC-Benign

:Summary Statistics:

===================================== ====== ======
                                        Min    Max
===================================== ====== ======
radius (mean):                        6.981  28.11
texture (mean):                       9.71   39.28
perimeter (mean):                     43.79  188.5
area (mean):                          143.5  2501.0
smoothness (mean):                    0.053  0.163
compactness (mean):                   0.019  0.345
concavity (mean):                     0.0    0.427
concave points (mean):                0.0    0.201
symmetry (mean):                      0.106  0.304
fractal dimension (mean):             0.05   0.097
radius (standard error):              0.112  2.873
texture (standard error):             0.36   4.885
perimeter (standard error):           0.757  21.98
area (standard error):                6.802  542.2
smoothness (standard error):          0.002  0.031
compactness (standard error):         0.002  0.135
concavity (standard error):           0.0    0.396
concave points (standard error):      0.0    0.053
symmetry (standard error):            0.008  0.079
fractal dimension (standard error):   0.001  0.03
radius (worst):                       7.93   36.04
texture (worst):                      12.02  49.54
perimeter (worst):                    50.41  251.2
area (worst):                         185.2  4254.0
smoothness (worst):                   0.071  0.223
compactness (worst):                  0.027  1.058
concavity (worst):                    0.0    1.252
concave points (worst):               0.0    0.291
symmetry (worst):                     0.156  0.664
fractal dimension (worst):            0.055  0.208
===================================== ====== ======

:Missing Attribute Values: None

:Class Distribution: 212 - Malignant, 357 - Benign

:Creator:  Dr. William H. Wolberg, W. Nick Street, Olvi L. Mangasarian

:Donor: Nick Street

:Date: November, 1995
```

Deskripsi data set

Bila ingin mengakses dokumen tesion untuk function “load_breast_cancer?” maka tinggal panggil tidak perlu dikomen karna jupyter notebook memiliki keleluasaan atau kebebasan untuk mngakses dokumen tesion dari suatu function tertentu



Training & Testing Set

Naïve Bayes dengan Scikitn Learn