TUGAS

MACHINE LEARNING



Disusun oleh :

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Kelas : Teknik Informatika B

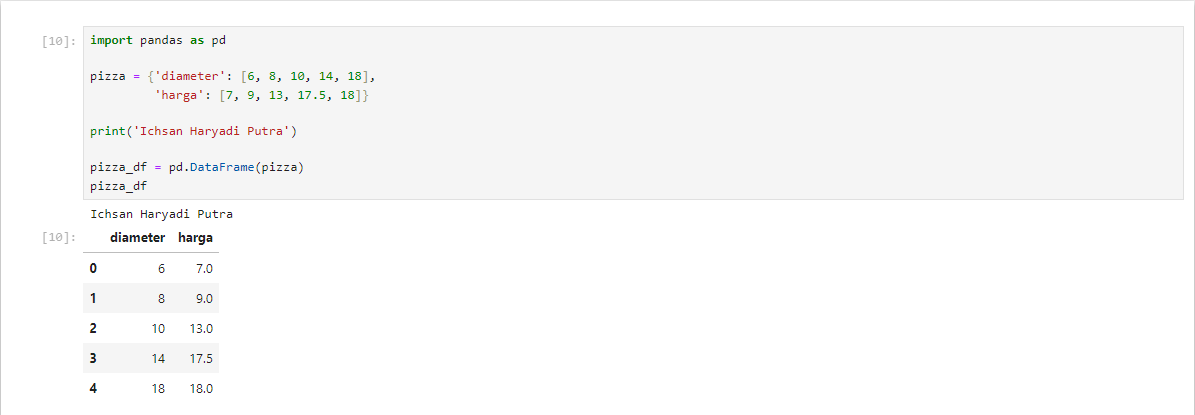
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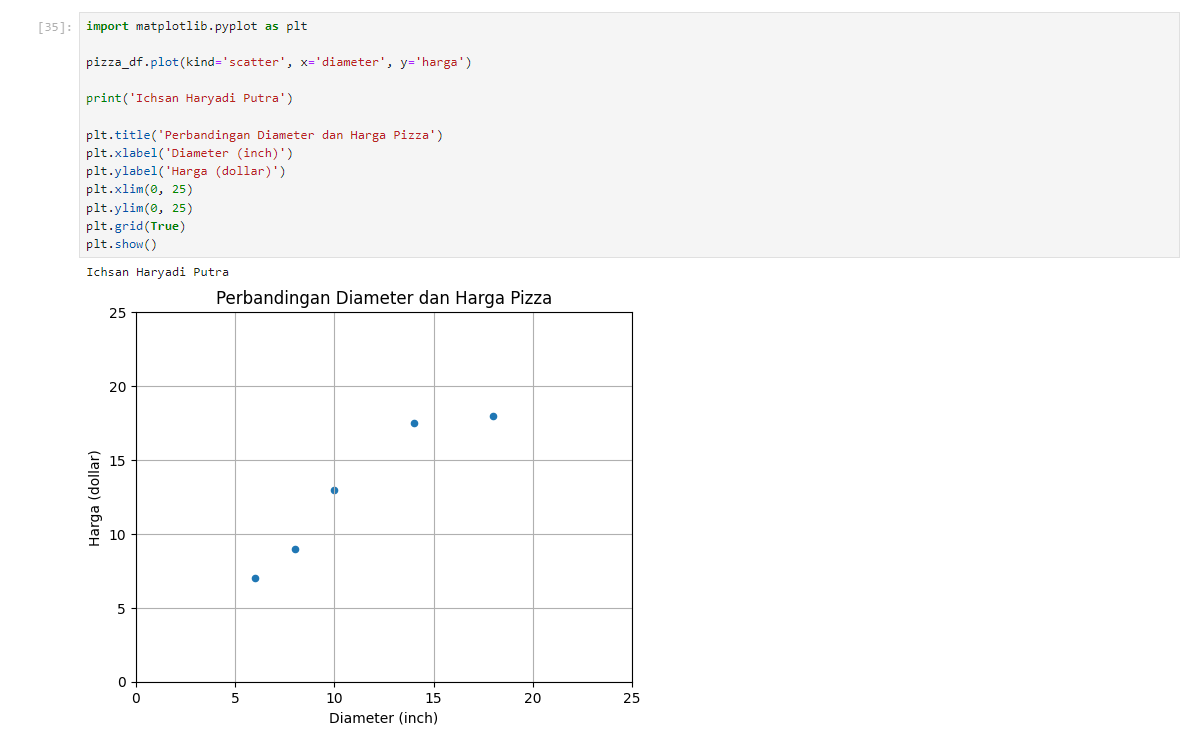
Tugas Pertemuan 2

1. Praktek 1

* Sample Dataset



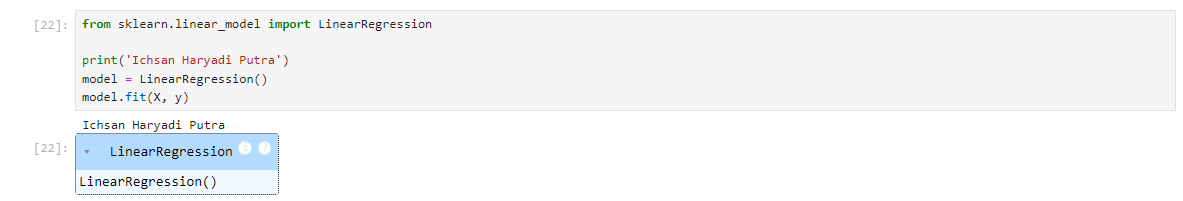
* Visualisasi Data



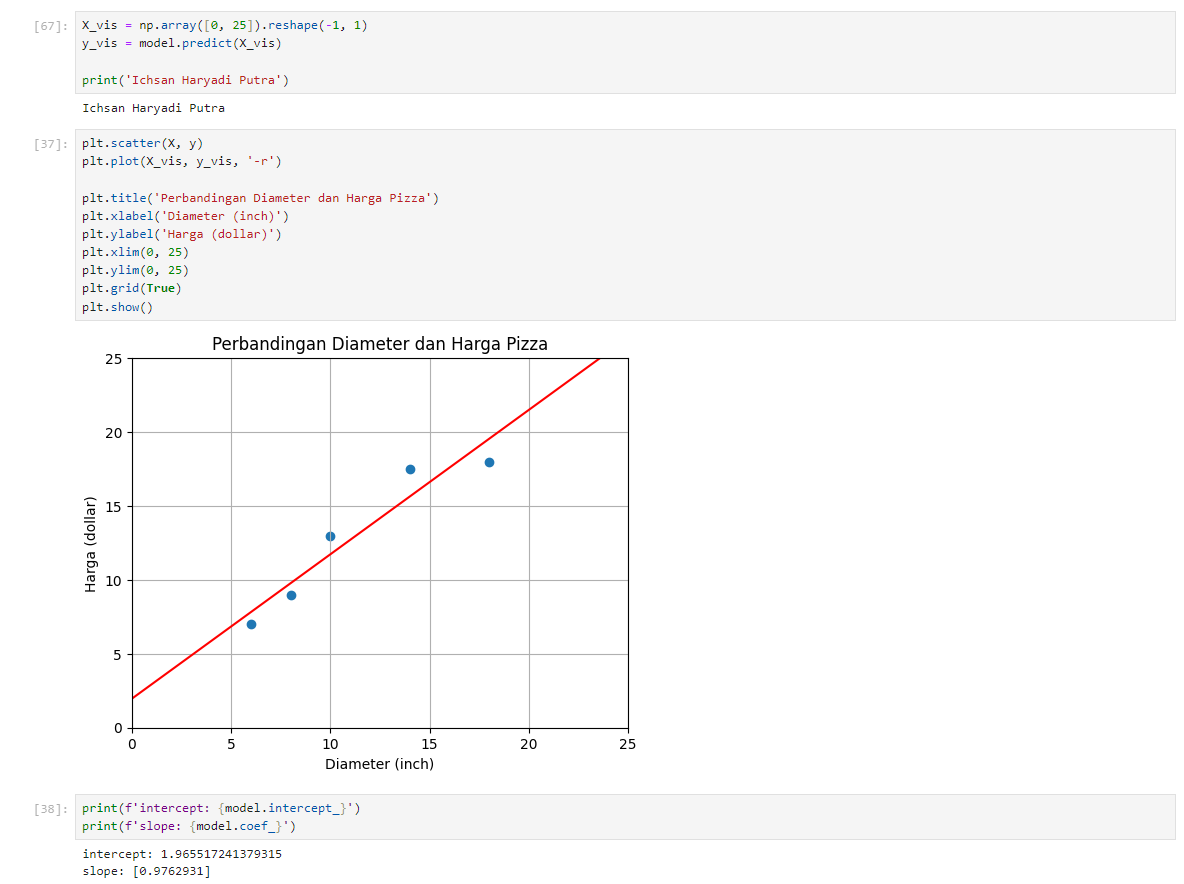
* Transformasi Data



* Training Simple Linear Regression Model



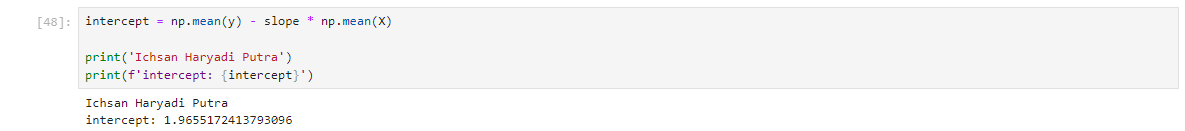
* Visualisasi Simple Linear Regression Model | Penjelasan persamaan garis linear



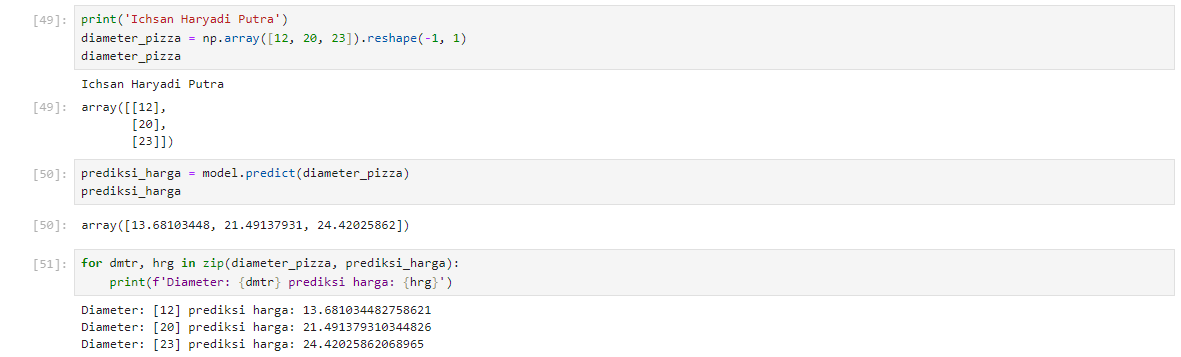
* Kalkulasi nilai slope



* Kalkukasi nilai intercept



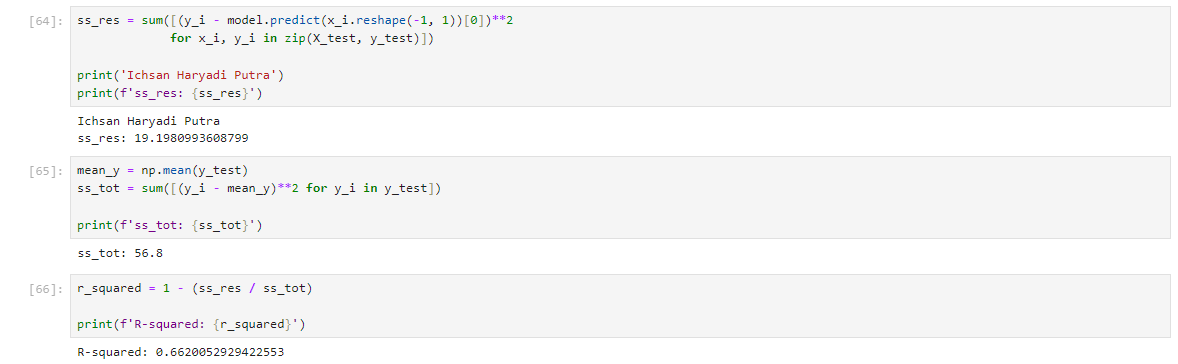
* Prediksi harga pizza dengan Simple Linear Regression Model



* Evaluasi model dengan Coefficient of Determination | R Squared

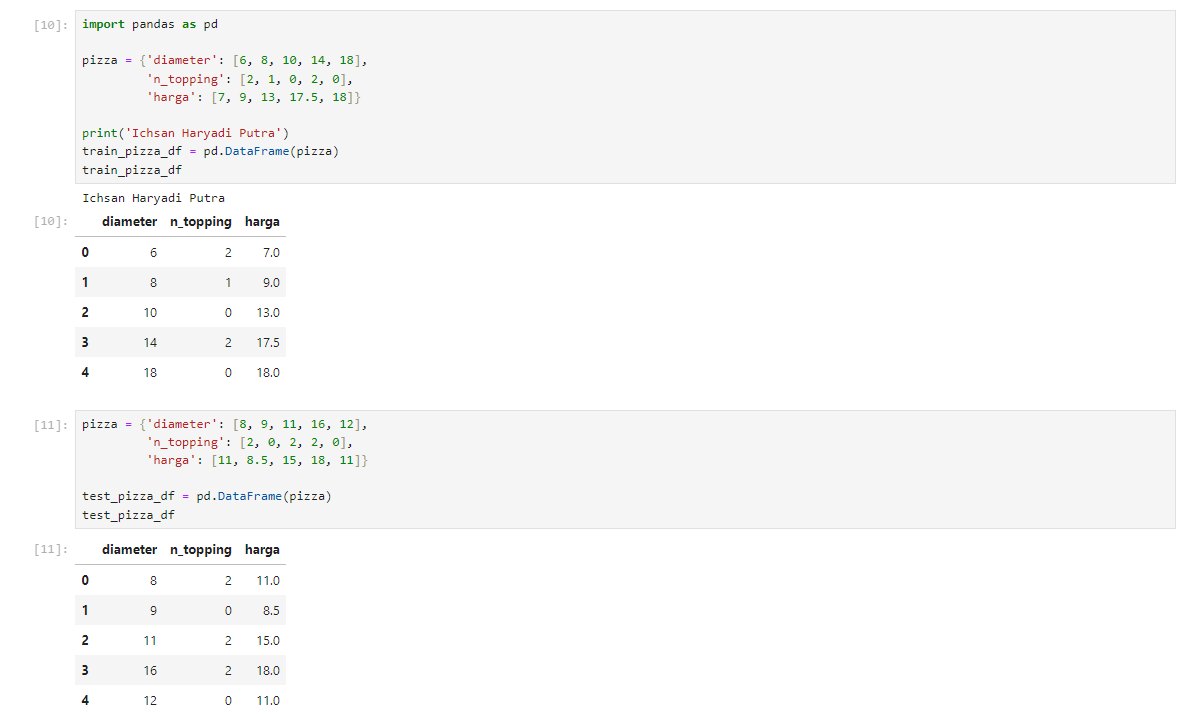


* Kalkulasi nilai R Squared | Coefficient of Determination



1. Praktek 2

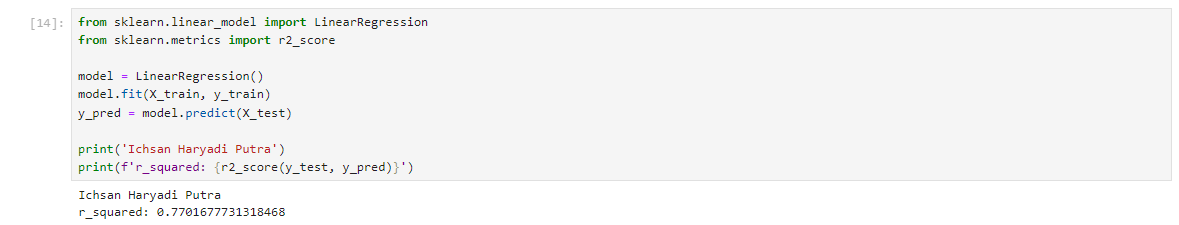
* Persiapan sample dataset



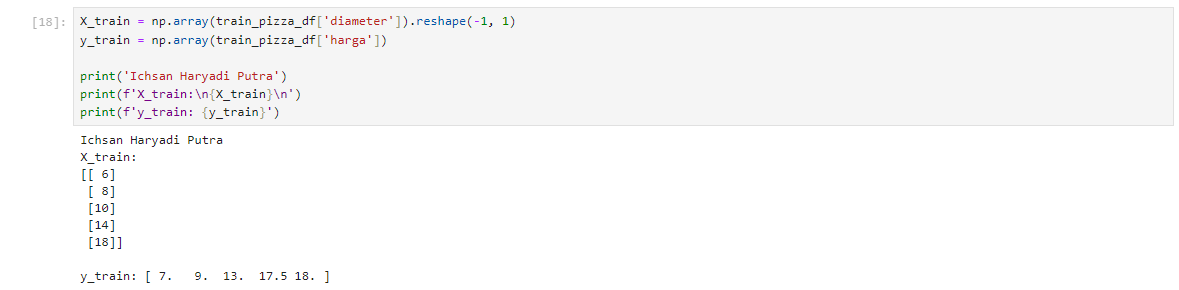
* Preprocessing dataset



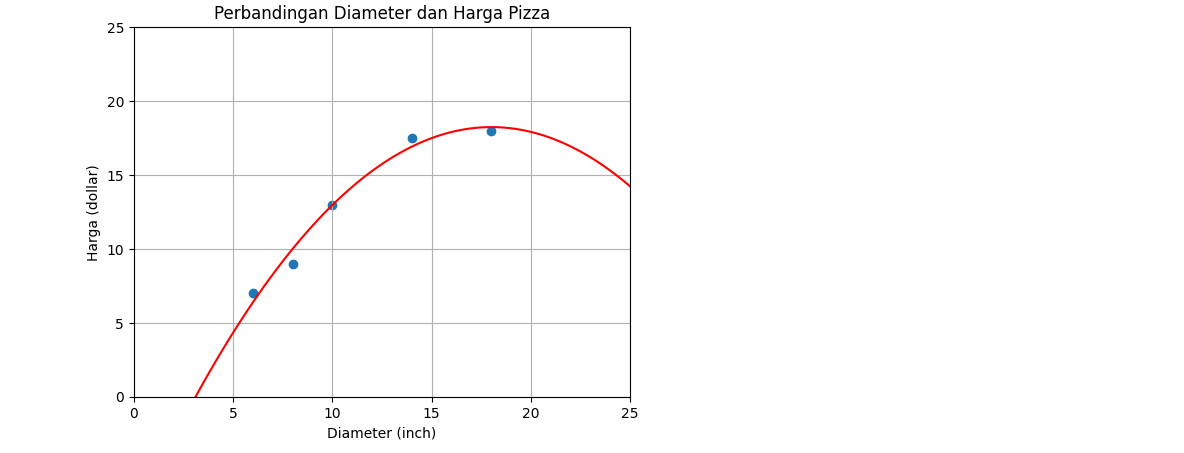
* Pengenalan Multiple Linear Regression



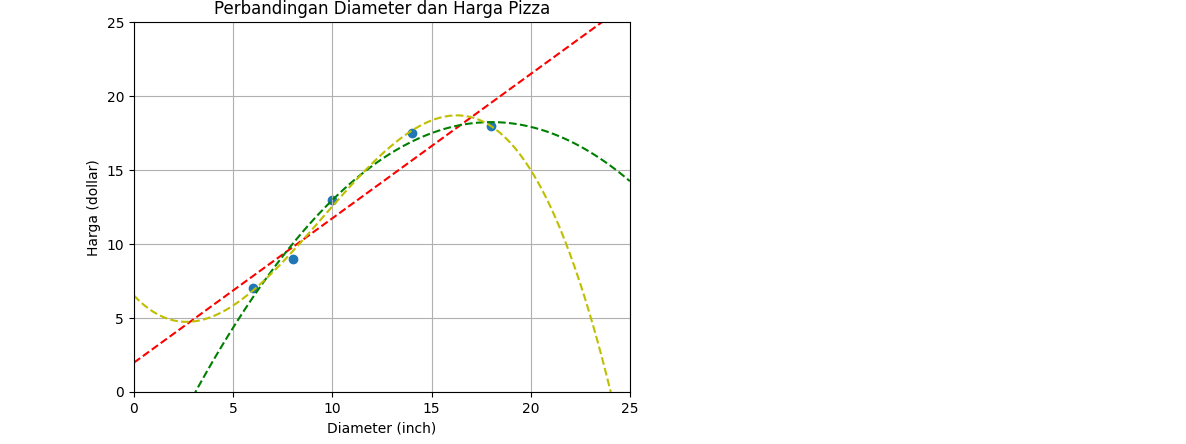
* Pengenalan Polynomial Regression



* Quadratic Polynomial Regression



* Linear Regression vs Quadratic Polynomial Regression vs Cubic Polynomial Regression

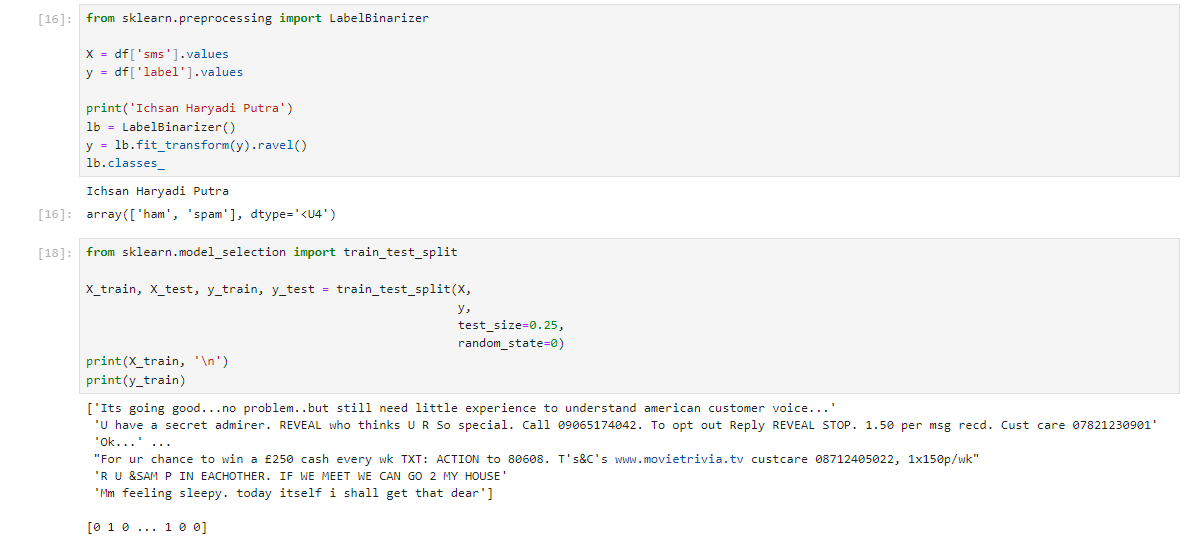


1. Praktek 3

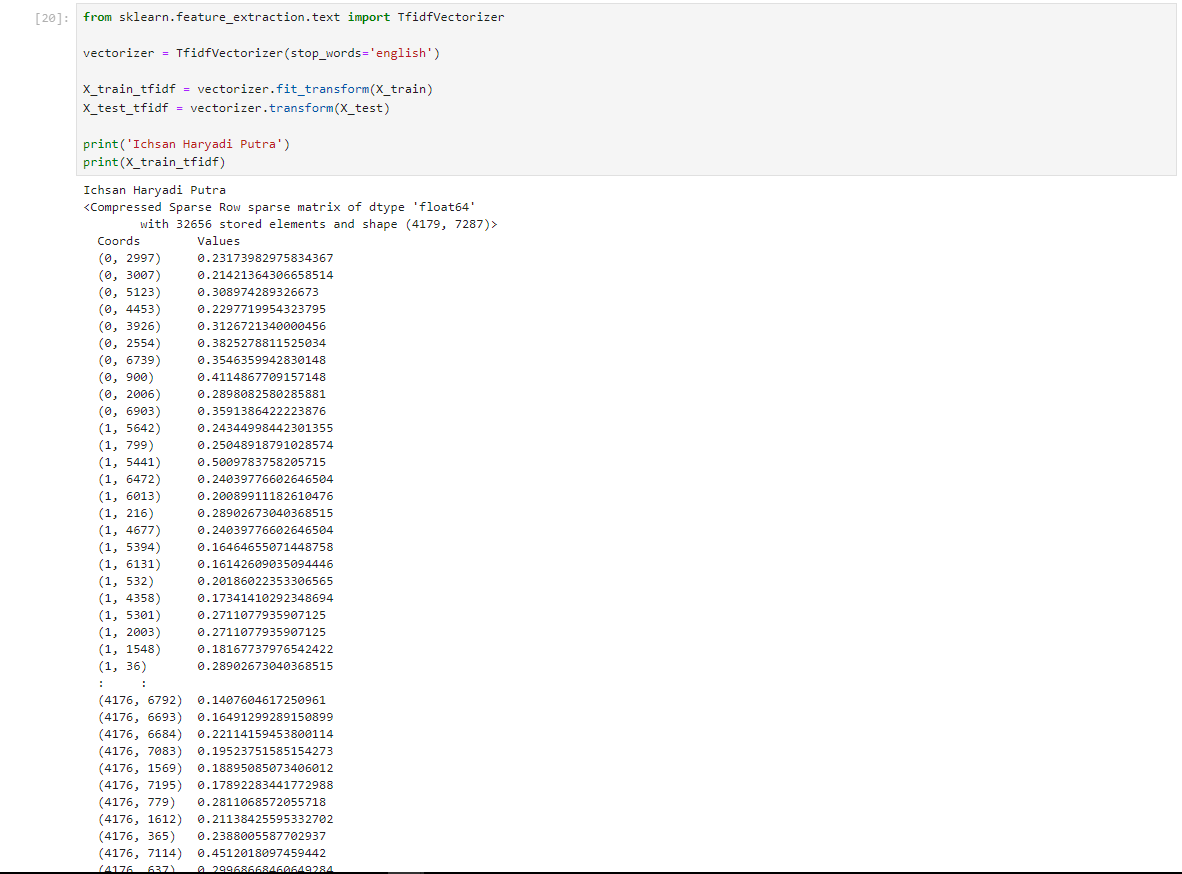
* Persiapan dataset | SMS Spam Collection Dataset



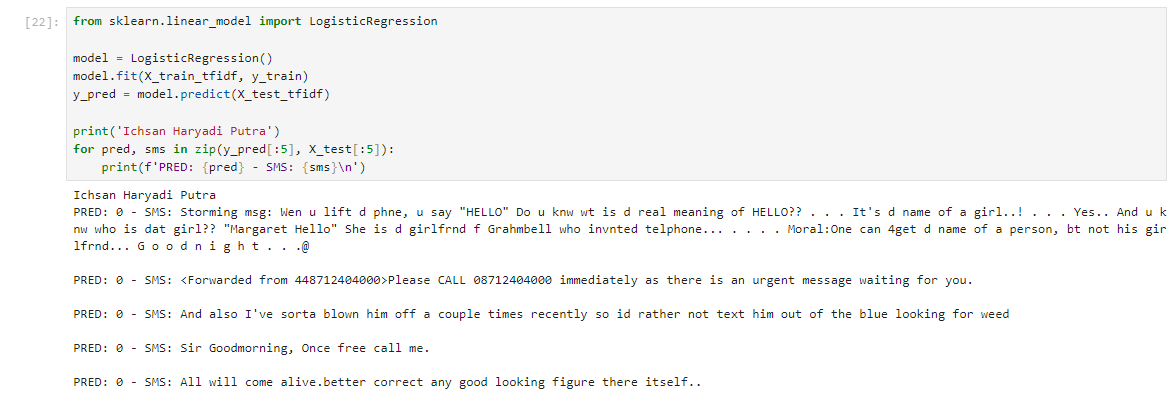
* Pembagian training dan testing set



* Feature extraction dengan TF-IDF



* Binary Classification dengan Logistic Regression

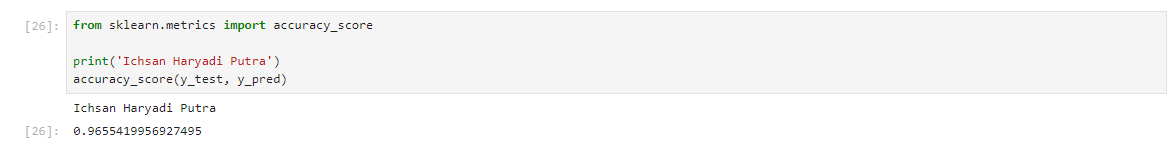


* Evaluation Metrics pada Binary Classification Task

1. Pengenalan Confusion Matrix



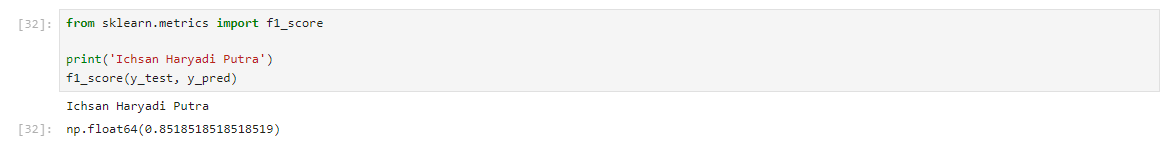
1. Pengenalan Accuracy Score



1. Pengenalan Precision dan Recall



1. Pengenalan F1 Score | F1 Measure



1. Pengenalan ROC | Receiver Operating Characteristic

