Quality Metrices Measuring the Quality of our Predictions

R. Squared

COEFFICIENT OF DETERMINATION

In econometrics, it can be explained as the percentage of Variance explained by the model as compared to the Mean

sklearn. metrics. 22_some

 $(-\infty, 1]$

Mean Absolute Error

It has the same unit of measurement as the original series.

Eklearn. metrice. mean_absolute-error

Median Absolute Error

Particularly Interesting metric because it is nobust to outliers

Sklearn. metrics. median_absolute_error

Mean Squared Error

MOST COMMONLY USED

It gives higher penalty to bigger mistakes & vice versa

sklearn. metrices. mean_equared_erros

Mean Squared logarithmeric Error

Practically the same as Mean Squared Errow, except for the fact that we take logarithm of the Original series. As a result, we give attention to small mistakes as well.

USEFUL WHEN DATA HAS EXPONENTIAL TRENDS

Sklearn. metrics. mean_squared_log_erros

Mean Absolute Percentage Error

Same as Mean Absolute Error, but in Percentage. Convenient to explain the quality of the model



