

Normalization

Normalization technique means to normalize data between 0 and 1.

Example,

Min Max Scaler

Mathematical formula of Min max Scaler:

$$X_{\text{norm}} = \frac{X - X_{\text{min}}}{X_{\text{max}} - X_{\text{min}}}$$

Standardization

Standardization based on Normal Distribution.

Example,

StandarScaler

Mathematical formula of StandardScaler:

$$z = \frac{x - \mu}{\sigma}$$

Where x = feature data

μ = mean value

σ = standard deviation