연습 문제

실제값	예측값
20	24
34	35
17	17
28	33
29	25

RMSE(Root Mean Squared Error)

$$\mathrm{RMSE}= \sqrt{\frac{1}{n}\sum_{i=1}^{n}(y_i-\hat{y}_i)^2}$$

RMSE : 3.405

MSE(Mean Squared Error)

$$\mathrm{MSE}= \frac{1}{n}\sum_{i=1}^{n}(y_i-\hat{y}_i)^2$$

MSE : 11.6

MAPE(Mean Absolute Percentage Error)

$$\mathrm{MAE}= \frac{1}{n}\sum_{i=1}^{n}|y_i-\hat{y}_i|$$

MAPE : 2.8

MAE(Mean Absolute Error)

$$\mathrm{MAPE}= \frac{1}{n}\sum_{i=1}^{n}\frac{|y_i-\hat{y}_i|}{|y_i|}$$

MAE : 0.1091

연습문제!

실제값 (Actual Value)

예측값 (Predicted Value)	긍정 (Positive)	부정 (Negative)
긍정 (Positive)	True Positive (30)	False Positive (70)
부정 (Negative)	False Negative (20)	True Negative (80)

정확도 : 110 / 200 = 0.55

정밀도 : 30 / 100 = 0.3

민감도 : 30 / 50 = 0.6

특이도 : 80 / 150 = 0.53