

Week 7

Odds

Accuracy

Precision

Recall

Odds

$$\text{Odds} = \frac{\text{Probability}(Y = 1)}{\text{Probability}(Y = 0)}$$

Accuracy

$$\frac{\text{True Positive} + \text{True Negative}}{\text{Total number of observations}}$$

Precision

$$\frac{\text{True Positive}}{\text{True Positive} + \text{False Positive}}$$

Recall

$$\frac{\text{True Positive}}{\text{True Positive} + \text{False Negative}}$$