

The Product Management for Data Science & AI Course

COURSE NOTES

FORMULAS FOR PRECISION, RECALL, F1 SCORE

Precision

When the model classifies positively,
how often is it right? (Quality)

True Positives

True Positives + False Positives

Recall

How many positive classifications,
does the model capture? (Quantity)

True Positives

True Positives + False Negatives

Harmonic Mean/F1 Score

Summarizing Precision & Recall

$$F1 = 2 \times \frac{\text{Precision} \times \text{Recall}}{\text{Precision} + \text{Recall}}$$