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(/learn/ml-

classification/home/welcome)

Precision-Recall



In many real-world settings, accuracy or error are not the best quality metrics for classification. You will explore a case-study

▼ More

Why use precision & recall as quality metrics

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(/learn/ml-

classification/lecture/zOBTx/case-study-where-accuracy-is-not-best-metric-for-classification)



Slides presented in this module

(/learn/ml-classification/supplement/5PJ3W/slides-presented-in-this-module)



Case-study where accuracy is not best metric for classification 4 min

[Help Center](#)

(/learn/ml-classification/lecture/zOBTx/case-study-where-accuracy-is-not-best-metric-for-classification)

- ▶ What is good performance for a classifier? 4 min

(/learn/ml-classification/lecture/fUFNh/what-is-good-performance-for-a-classifier)

Precision & recall explained

- ▶ Precision: Fraction of positive predictions that are actually positive 6 min

(/learn/ml-classification/lecture/BrUG/precision-fraction-of-positive-predictions-that-are-actually-positive)

- ▶ Recall: Fraction of positive data predicted to be positive 3 min

(/learn/ml-classification/lecture/pNTaV/recall-fraction-of-positive-data-predicted-to-be-positive)

The precision-recall tradeoff

- ▶ Precision-recall extremes 3 min

(/learn/ml-classification/lecture/eej7H/precision-recall-extremes)

- ▶ Trading off precision and recall 5 min

(/learn/ml-classification/lecture/IMHs2/trading-off-precision-and-recall)

- ▶ Precision-recall curve 6 min

(/learn/ml-classification/lecture/rENu8/precision-recall-curve)

Summarizing precision-recall

- ▶ Recap of precision-recall 1 min

(/learn/ml-classification/lecture/ZEQ0e/recap-of-

precision-recall)



Quiz: Precision-Recall 9 questions

(/learn/ml-classification/exam/pGfWZ/precision-recall)

Programming Assignment



Exploring precision and recall

(/learn/ml-classification/supplement/6DQQh/exploring-precision-and-recall)



Quiz: Exploring precision and recall 14 questions

(/learn/ml-classification/exam/ObhEq/exploring-precision-and-recall)