

Lesson 5:
Naive Bayes

SEARCH

RESOURCES

CONCEPTS

7. Solution: False Positives

8. Exercise: Bayesian Learning 1

9. Solution: Bayesian Learning 1

10. Solution: Bayesian Learning 2

11. Exercise: Naive Bayes Algorith...

12. Solution: Naive Bayes Algorith...

13. Quiz: Bayes Rule

14. Exercise Introduction: Naïve B...


15. Exercise: Building a Spam Cla...

16. Lesson Review

17. Glossary

Glossary

Key Term	Definition
Conditional probability	In probability theory, conditional probability is a measure of the probability of an event occurring given that another event has (by assumption or evidence) occurred.
Naive assumptions	The assumption that assumes probabilities are independent.
Posterior probabilities	Posterior probabilities are what we inferred after we knew the results of the test.
Prior probabilities	Prior probabilities are what we knew before we knew that the results of the test were positive or negative.
Sensitivity	How often a test correctly gets a positive result for the condition being tested for (also known as the “true positive” rate). The true-positive rate
Specificity	The proportion of truly negative cases that were classified as negative recognition rate

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