

The Naive Bayes Algorithm: Takeaways

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Concepts

- When a new message " w_1, w_2, \dots, w_n " comes in, the Naive Bayes algorithm classifies it as spam or non-spam based on the results of these two equations:
- To calculate $P(w_i|\text{Spam})$ and $P(w_i|\text{Spam}^C)$, we need to use the additive smoothing technique:
- Below, we see what some of the terms in equations above mean:

Resources

- [A technical intro to a few version of the Naive Bayes algorithm](#)

- [An intro to conditional independence](#)



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