# The Naive Bayes Algorithm: Takeaways ⤴

## Concepts

- When a new message "$w_1$, $w_2$, ..., $w_n$" comes in, the Naive Bayes algorithm classifies it as spam or non-spam based on the results of these two equations:

- To calculate $P(w_i | Spam)$ and $P(w_i | Spam^C)$, 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](#)