Micro vs. Macro Averages (article)

<https://androidkt.com/micro-macro-averages-for-imbalance-multiclass-classification/>

Macro: compute the metric independently for each class, then take the average

Micro: factor in the contributions of each class to the average

Naive Bayes (StatQuest)

<https://www.youtube.com/watch?v=O2L2Uv9pdDA>

Make predictions based on the probability a set of features appears in a given class, adjusted for priors.

Bayes Formula

P(A | B) = (P(B | A) \* P(A)) / P(B)

<https://en.wikipedia.org/wiki/Bayes%27_theorem>

The probability of A given B is the probability of B given A multiplied by the probability of A, all over the probability of B.

Naive Bayes Python Guide

https://www.analyticsvidhya.com/blog/2021/11/implementation-of-gaussian-naive-bayes-in-python-sklearn/