




# Applied Text Mining in Python

*Naïve Bayes Variations*

# Two Classic Naïve Bayes Variants for Text

- Multinomial Naïve Bayes 
  - Data follows a multinomial distribution
  - Each feature value is a count (word occurrence counts, TF-IDF weighting, ...) 
- Bernoulli Naïve Bayes
  - Data follows a multivariate Bernoulli distribution 
  - Each feature is binary (word is present / absent)