

## https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4050851/



cases in each week of the year. Assuming a Poisson distribution for the number of cases per week, we can get an estimate of the mean (or expected) count for each week. Since the mean and variance of the Poisson are equal, we are able to estimate the variance, and therefore the standard deviation, of the count from this