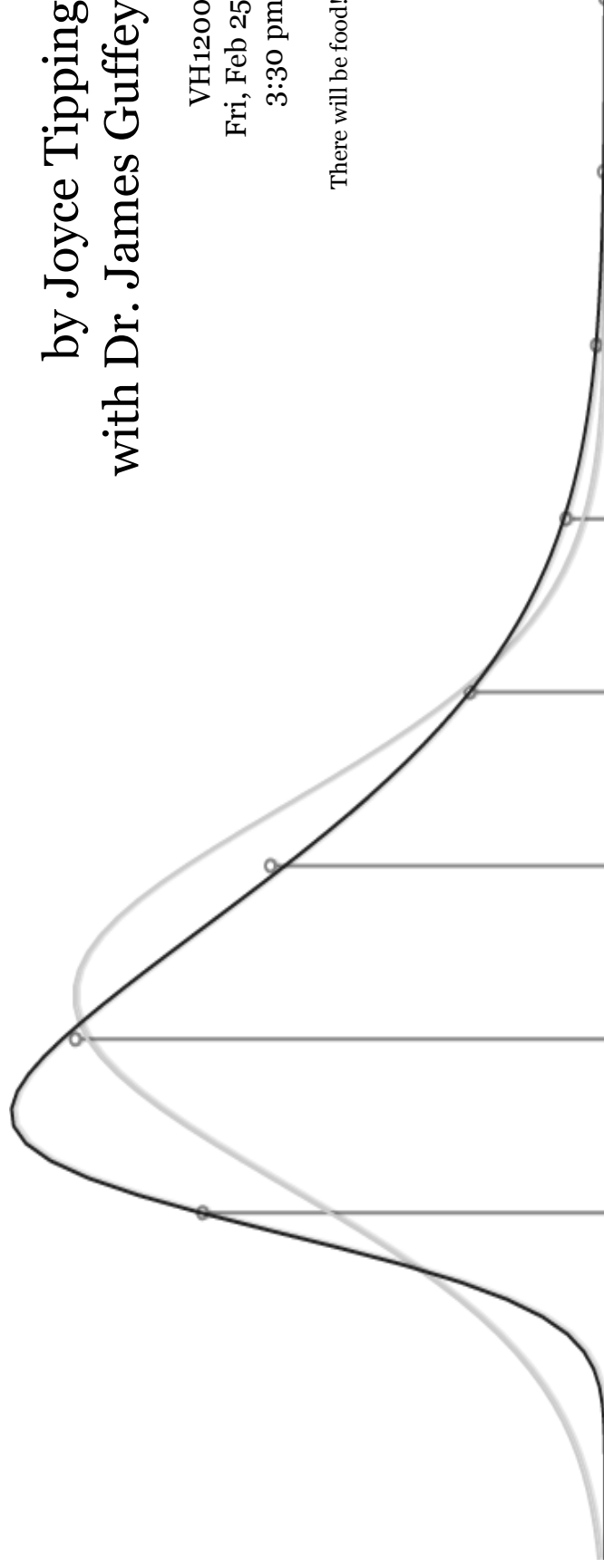


The Skew-Normal Approximation of the Binomial Distribution

by Joyce Tipping
with Dr. James Guffey

VH1200
Fri, Feb 25
3:30 pm

There will be food!



When n is medium and p is close to 0 or 1, the binomial distribution is asymmetric, making the usual normal approximation highly inaccurate. The skew-normal distribution, with a third parameter for shape, is able to follow a skewed binomial curve much more closely. In this presentation, I will introduce the skew-normal and derive an approximation using the method of moments.