Measures of Variability
Lecture 4

I. **Objectives**
   At the end of this series of lectures you should be able to:
   A. Define terms.
   B. Diagram relative differences in central tendency and variability.
   C. Calculate the range, sum of squares, variance, and standard deviation.
   D. Calculate the diversity of a sample of nominal observations.

II. **Key Concepts and Terms**
   Biased
   Coefficient of variation
   Diversity
   Evenness
   f_i
   H'
   J'
   K
   Random
   Range
   Richness
   SS
   s
   s^2
   Standard Deviation
   Variability
   Variance
   σ^2
   σ