Stat 400, Lecture 20
Random Samples ($\S 5.3$)

One of the most important concepts in statistics is that of a "random sample." The definition of a random sample is rather abstract. However it is critical to understand the idea behind the definition, so we will spend an entire lecture motivating the definition. We will do this by giving three motivating examples: polling for elections, testing the lifetime of a Gateway computer, and picking a sequence of random numbers.