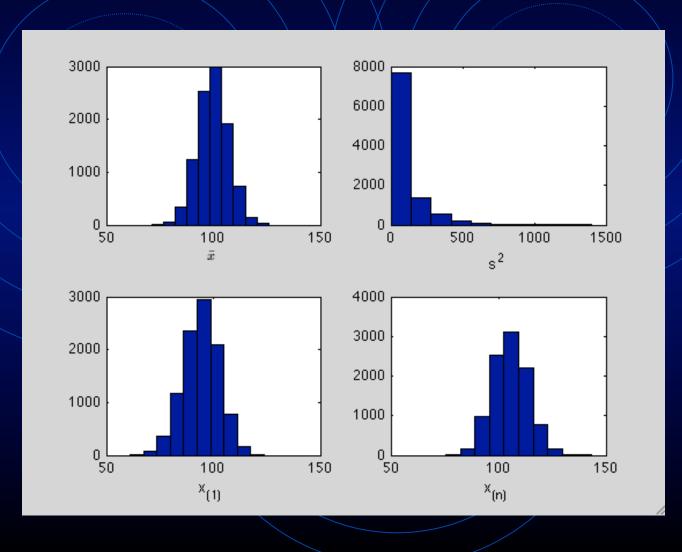
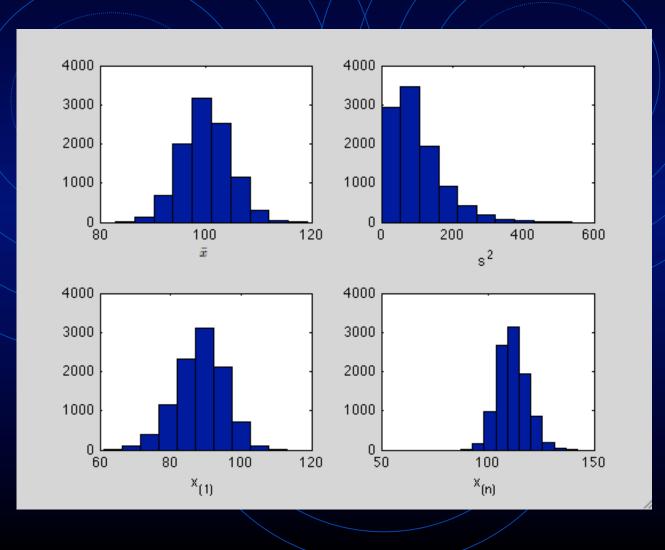
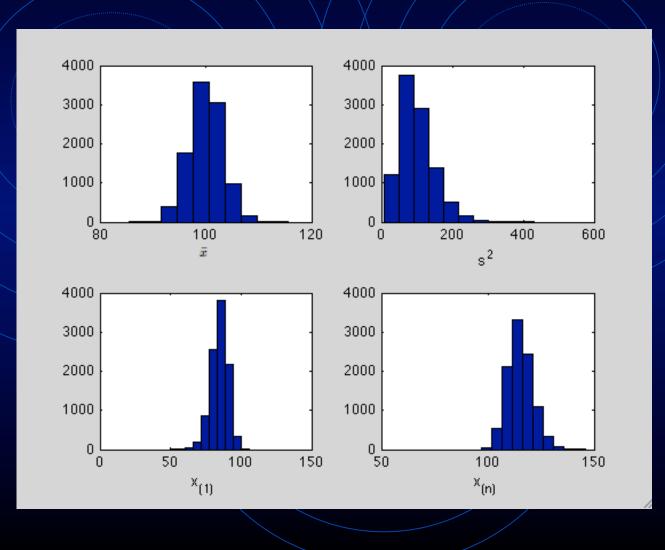


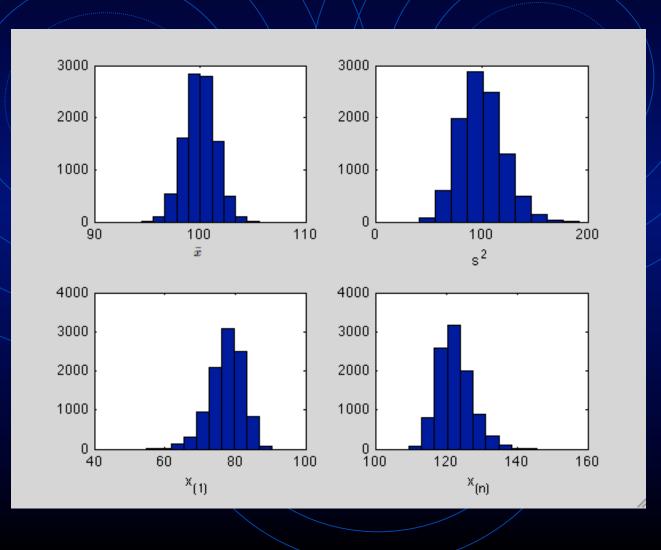
Example: Normal Population

- Suppose $X_1, ..., X_n$ are i.i.d. from a normal distribution with mean 100 and variance 10.
- We will look at the sampling distributions of the sample mean, sample variance, sample minimum, and sample maximum for various sample sizes.









Example: Exponential Population

- Suppose $X_1,...,X_n$ are i.i.d. from an exponential distribution with mean 5.
- We will look at the sampling distributions of the sample mean, sample variance, sample minimum, and sample maximum for various sample sizes.

