

Stat 305 - Section 7 - Quiz 4 Topic Outline

Random intervals

1. One-sample inference (confidence intervals and hypothesis testing) on the mean (Ch. 6.1, 6.2) under each of the following conditions:
 - (a) When $n \geq 25$ and σ^2 is known.
 - (b) When $n \geq 25$ and σ^2 is unknown.
 - (c) When $n < 25$ and σ^2 is unknown.
2. All the above using:
 - (a) Confidence intervals
 - (b) Critical values and p-values
3. Inference for paired data under all the conditions in pt 2. (Ch. 6.3)
4. Inference for 2-sample data under all the conditions in pt 2 for each sample (Ch. 6.3)