
2012 Multiple Choice #18 Homework Problem

Monday 04/27

18. When using a one-sample t -procedure to construct a confidence interval for the mean of a finite population, a condition is that the population size be at least 10 times the sample size. The reason for the condition is to ensure that
- (A) the sample size is large enough
 - (B) the central limit theorem is applicable for the sample mean
 - (C) the sample standard deviation is a good approximation of the population standard deviation
 - (D) the degree of dependence among observations is negligible
 - (E) the sampling method is not biased