

Application exercise 3.3: Inference for a mean - mechanics

Submit your responses on [Sakai](#), under the appropriate assignment. Only one submission per team is required. One team will be randomly selected and their responses will be discussed.

You are given the following hypotheses:

$$H_0 : \mu = 34$$

$$H_A : \mu > 34$$

We know that the sample standard deviation is 10 and the sample size is 65. For what sample mean would the p-value be equal to 0.05? Assume that all conditions necessary for inference are satisfied.