Math 5090

8/31/2016

Given a random sample of size 100 with sample mean of 2 from a N(μ, 1) population, give a 95% one-sided lower confidence limit by doing the following steps. Note that z0.05 = -1.645.

Write an appropriate probability statement.

Rewrite the statement to isolate μ.

Write the random interval; it should be in the form (expression, ∞).

Write the outcome of the random interval (i.e. confidence interval).

Write the 95% one-sided lower confidence limit.