

A. Public Assistance

On a popular self-image test, which results in normally distributed scores, the mean score for public-assistance recipients is expected to be 65. A random sample of 28 public-assistance recipients in Emerson County are given the test. They achieve a mean score of 62.1, and their scores have a standard deviation of 5.83.

Do the Emerson County assistance recipients test lower, on the average, than what is expected, at the 0.01 level of significance?

Provide the values / answers in the following format:

n =
known / population mean =
mean =
std. dev. =
std. error of the mean =
confidence level =
significance level =
df =
cv =
tails =
t-value =

Decision / Conclusion: