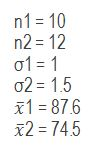
Coral S. Schmidt Montilla #148830

To apply the test of hypothesis and to compute the confidence level, P – value, and the sample size lets vary the confidence level of the textbook example of the mean tensile strength test performed on different grades of aluminum spars used in the manufacture of commercial aircraft wings (example 10 - 4, page 358)

It is assumed that the standard deviation is known and 90% confidence level is used in the mean difference.

The data supplied in the example is:



Questions:

If you change the alpha from 0.05 to an alpha of 0.01, the critical Z for a two tail test use in the hypothesis testing (from the table) is ± 2.576?

True



False

The experimental Z in the test of hypothesis is 24.4?

True

False



The null hypothesis is rejected?

True



False

A notebook with writing on it

Description automatically generated A hand holding a piece of paper with writing on it

Description automatically generated