

SPSS Worksheet

1) Go to the Web Site <http://www.physics.csbsju.edu/stats/t-test.html> and solve the problem under the heading Paired Data.

This problem looks at Cedar-apple rust disease, and if there is a difference in the disease after treatment.

a) What is the NULL hypothesis?

b) Did the treatment have an effect? Why or why not?

c) Perform the same test in SPSS. Do your results match?

2) The dean of students wants to see whether there is a significant difference in age between resident students and commuting students. She selected a random sample of 10 students from each group.

The data follows:

Resident Students	Commuter Students
22	18
25	20
27	19
23	18
26	22
28	25
26	24
24	22
25	23
20	18

a) What statistical test should be performed? Why?

b) State the Null Hypothesis.

c) Perform the statistical test.

d) What is your conclusion?