

Simulating a comparative experiment.

This worksheet allows you to simulate a simple experiment comparing control & treatment groups. You can change what the truth is. The experimental data and t-test will automatically change. You can change the number of animals. You can do another experiment by pressing the F9 key.

Truth

Control mean 60
Treated mean 80
Between animal St.Dev. 15

Data

Control	Treated
46.25	68.65
32.76	66.15
33.85	66.98
30.27	86.91
50.49	96.77
65.04	68.20

To change the number of animals:

Use the mouse to highlight the data in one or both columns. Position the mouse over the tiny square at the bottom right corner of the highlighted area. Press the left mouse button, move the mouse up or down and release it.

For help or more information, contact
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Treated
Contrc

ups of animals.

You can add more or reduce

T-test

	<i>Control</i>	<i>Treated</i>
Number	6	6
Mean	43.11	75.61
St. Dev.	13.44	12.98
Pooled St.Dev.	13.21	
St. Error. Diff.	7.63	
T-value	-4.26	
p-value	0.002	
St. Error Mean	5.394	5.394
Conf. Int.	12.019	12.019

