

Yield (number of bulbs)					
Pair	# bulbs per 1000 linear-feet		Difference (x)	Deviation (x-u)	(x-u)-squared
	3 Rows/ Bed	4 Rows/ Bed			
1	4,115	4,738	-623	-623	388,129
2	4,787	5,096	-309	-309	95,481
3	4,920	4,792	128	128	16,384
u (avg)			-268		
Sum of Squares (SS)					499,994
Simple Variance (SS / (n-1))					99,999
Sample standard deviation (SSD) (square root of Sample Variance)					316
Standard error of the mean (SEM) (SSD / square-root(n))					129
Student's t (95%) with 2 degrees of freedom (taken from table)					4.3
Least Significant Difference (LSD) @ 95% CI (SEM*T)					556
<p>Analysis: The absolute mean-difference is 268, which is smaller than 419.1 so the result is not significant at the 95% confidence level. Thus we cannot conclude that the 4-row beds outperform 3-row beds (or vice-versa) on the basis of the <i>number of bulbs</i> outcome measure.</p>					