

Yield (gross weight)					
Pair	lbs per 1000 linear-feet		Difference (x)	Deviation (x-u)	(x-u)-squared
	3 Rows/ Bed	4 Rows/ Bed			
1		330	-330	-330	108900
2	255	339	-84	-84	7056
3	294	334	-40	-40	1600
u (avg)			-151		
Sum of Squares (SS)					117,556.0
Simple Variance (SS / (n-1))					23,511.2
Sample standard deviation (SSD) (square root of Sample Variance)					153.3
Standard error of the mean (SEM) (SSD / square-root(n))					62.6
Student's t (95%) with 2 degrees of freedom (taken from table)					4.3
Least Significant Difference (LSD) @ 95% CI (SEM*T)					269.4
<p>Analysis: The absolute mean-difference is 58, which is larger than 25.5 so the result is significant at the 95% confidence level. Thus we can conclude that the 4-row beds outperform 3-row beds on the basis of the <i>gross weight</i> outcome measure.</p>					