

Anova: Two-Factor With Replication						
SUMMARY	Supplier	Supplier	Supplier	Supplier	Total	
<i>Machine 1</i>						
Count	5	5	5	5	20	
Sum	90	90	102	78	360	
Average	18	18	20.4	15.6	18	
Variance	27	27.5	22.8	15.3	22.53	
<i>Machine 2</i>						
Count	5	5	5	5	20	
Sum	93	91	98	96	378	
Average	18.6	18.2	19.6	19.2	18.9	
Variance	8.3	19.7	42.3	24.7	20.31	
<i>Total</i>						
Count	10	10	10	10		
Sum	183	181	200	174		
Average	18.3	18.1	20	17.4		
Variance	15.79	20.99	29.11	21.38		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Sample	8.1	1	8.10	0.35	0.56	4.15
Columns	36.5	3	12.17	0.52	0.67	2.90
Interaction	26.9	3	8.97	0.38	0.77	2.90
Within	750.4	32	23.45			
Total	821.9	39				

Figure 14.28