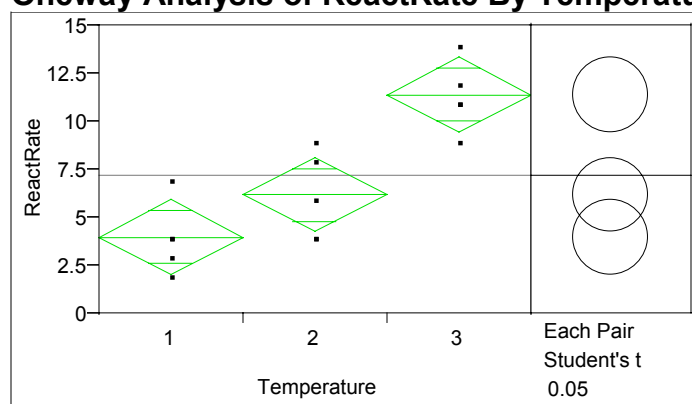


## JMP Analysis of Reaction Rate Data

Temperature	ReactRate
1	3
1	4
1	4
1	7
1	2
2	9
2	8
2	6
2	4
2	4
3	14
3	11
3	9
3	12
3	11

### Oneway Analysis of ReactRate By Temperature



### Oneway Anova Summary of Fit

Rsquare	0.75052
Adj Rsquare	0.70894
Root Mean Square Error	2
Mean of Response	7.2
Observations (or Sum Wgts)	15

### Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio	Prob > F
Temperature	2	144.40000	72.2000	18.0500	0.0002
Error	12	48.00000	4.0000		
C. Total	14	192.40000			

### Means for Oneway Anova

Level	Number	Mean	Std Error	Lower 95%	Upper 95%
1	5	4.0000	0.89443	2.0512	5.949
2	5	6.2000	0.89443	4.2512	8.149
3	5	11.4000	0.89443	9.4512	13.349

Std Error uses a pooled estimate of error variance

### Means Comparisons

Dif=Mean[i]- Mean[j]	3	2	1
3	0.0000	5.2000	7.4000
2	-5.2000	0.0000	2.2000
1	-7.4000	-2.2000	0.0000

Alpha=0.05

Comparisons for each pair using Student's t

t	Alpha			
2.17881	0.05			
Abs(Dif)-LSD	3	2	1	
3	-2.7560	2.4440	4.6440	
2	2.4440	-2.7560	-0.5560	
1	4.6440	-0.5560	-2.7560	

Positive values show pairs of means that are significantly different.

Level	Mean
3 A	11.400000
2 B	6.200000
1 B	4.000000

Levels not connected by same letter are significantly different