

Average

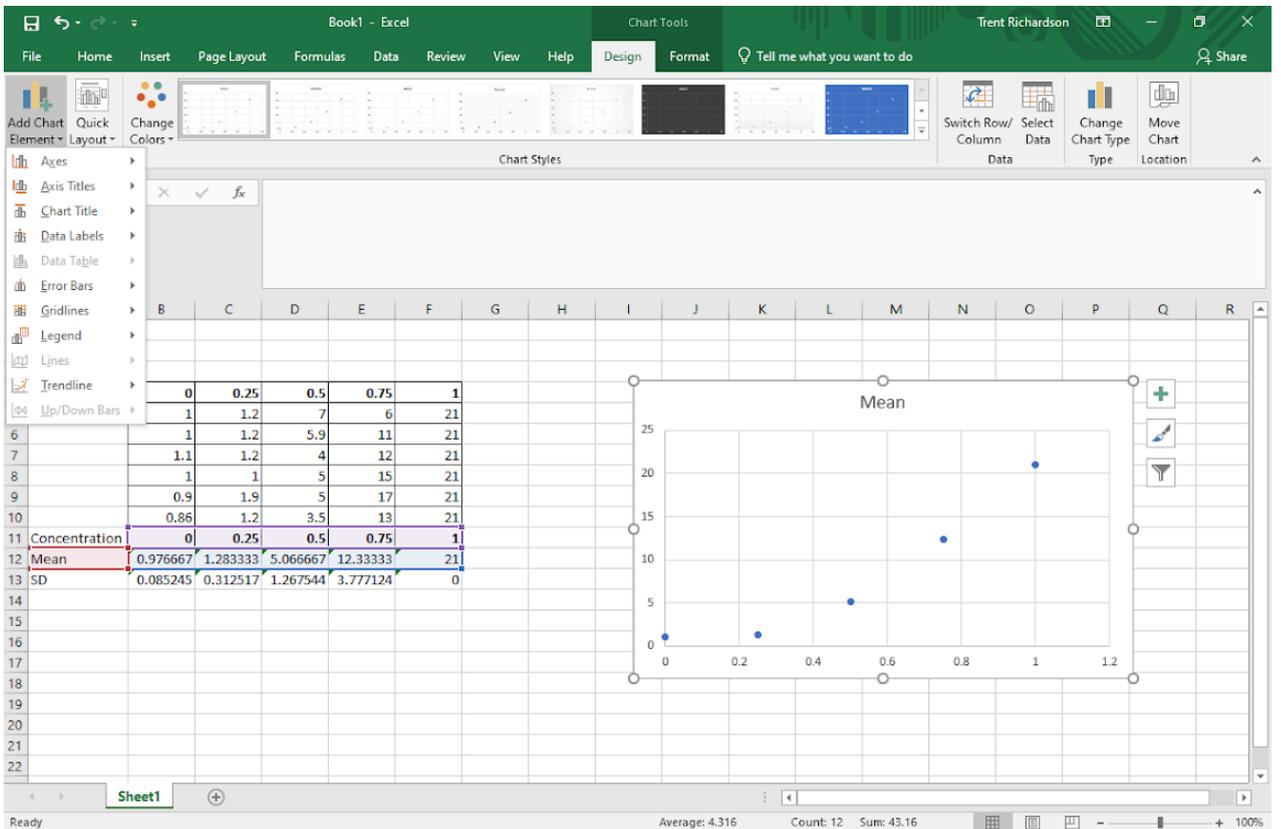
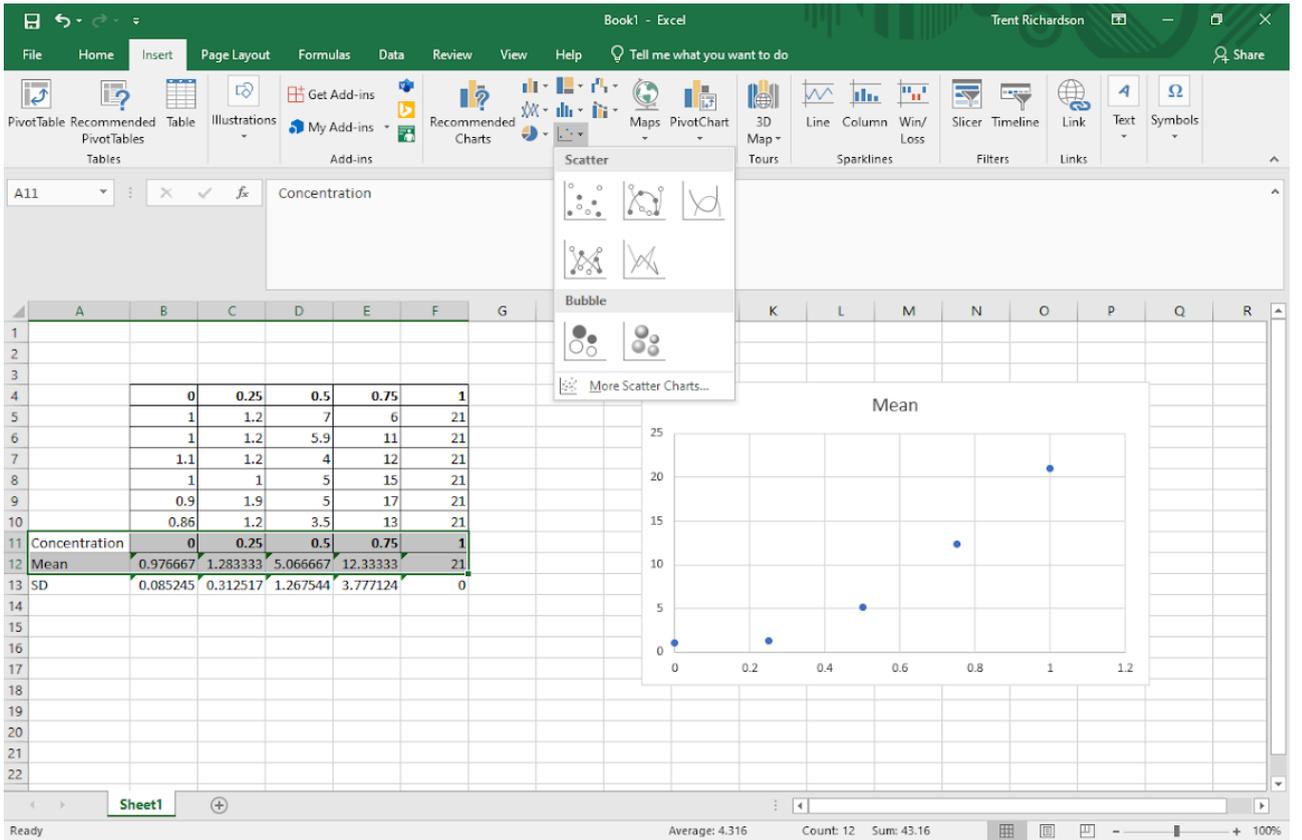
	0	0.25	0.5	0.75	1
	1	1.2	7	6	21
	1	1.2	5.9	11	21
	1.1	1.2	4	12	21
	1	1	5	15	21
	0.9	1.9	5	17	21
	0.86	1.2	3.5	13	21
	=AVERAGE(A5:A10)				
	AVERAGE(number1, [number2], ...)				

SD

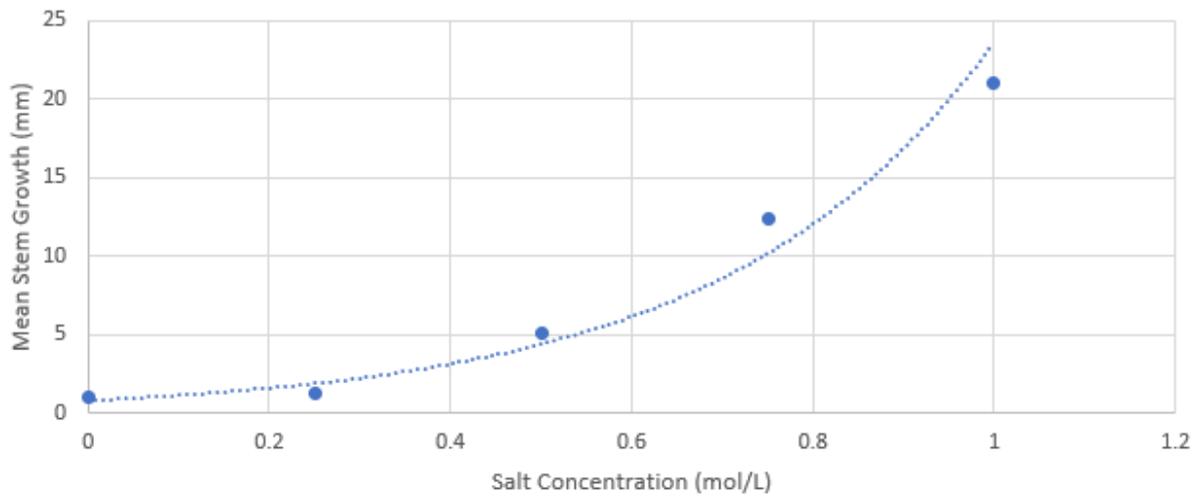
	0	0.25	0.5	0.75	1
	1	1.2	7	6	21
	1	1.2	5.9	11	21
	1.1	1.2	4	12	21
	1	1	5	15	21
	0.9	1.9	5	17	21
	0.86	1.2	3.5	13	21
	0.976667				
	=STDEV.S(B5:B10)				

Summary Prep for Graphing

	0	0.25	0.5	0.75	1
	1	1.2	7	6	21
	1	1.2	5.9	11	21
	1.1	1.2	4	12	21
	1	1	5	15	21
	0.9	1.9	5	17	21
	0.86	1.2	3.5	13	21
Concentration	0	0.25	0.5	0.75	1
Mean	0.976667	1.283333	5.066667	12.33333	21
SD	0.085245	0.312517	1.267544	3.777124	0



Average Total Growth of *Vigna Radiata* in different Salt Concentrations over 7 days



Format Error Bars

Error Bar Options

Minus

Plus

End Style

No Cap

Cap

Error Amount

Fixed value

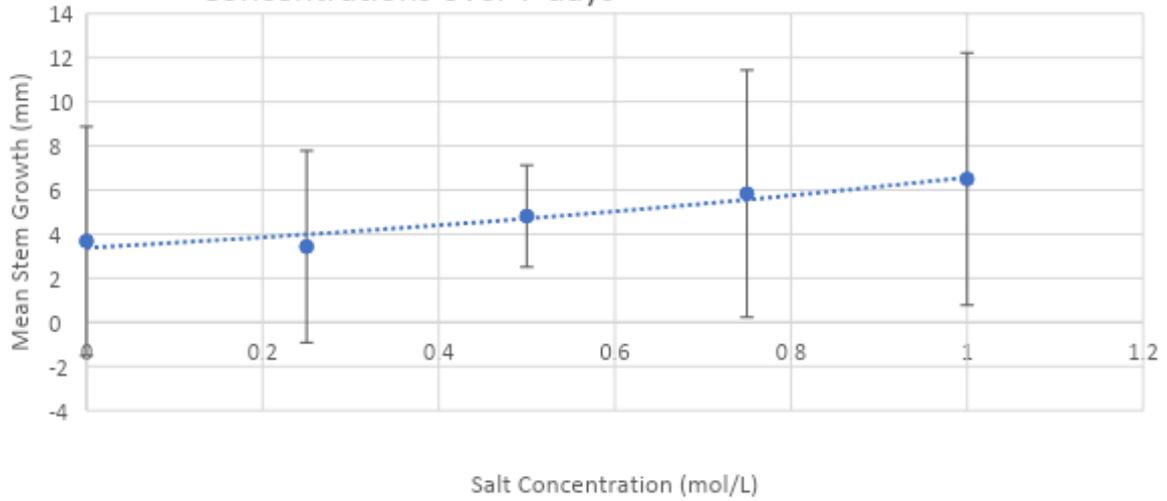
Percentage %

Standard deviation(s)

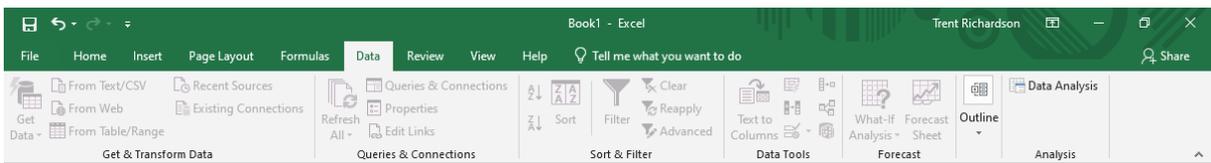
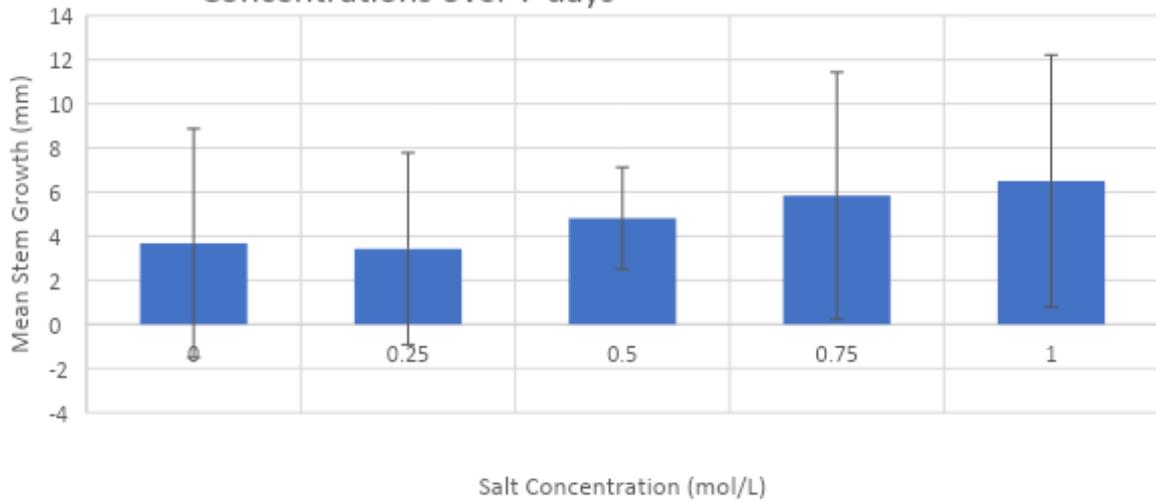
Standard error

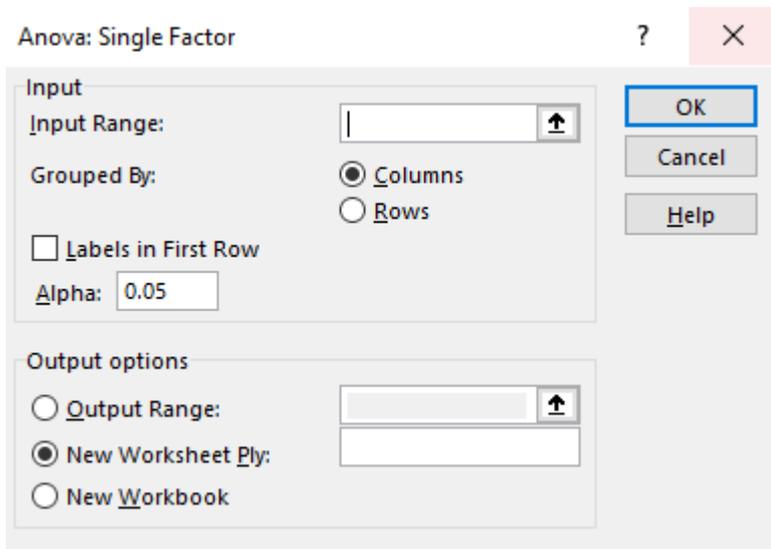
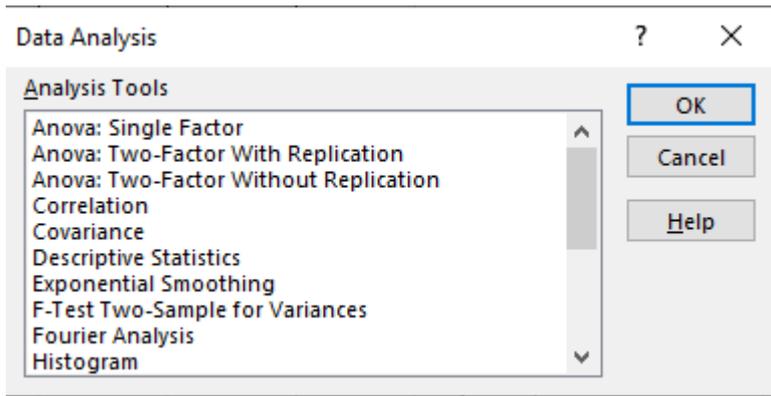
Custom

Average Total Growth of *Vigna Radiata* in different Salt Concentrations over 7 days



Average Total Growth of *Vigna Radiata* in different Salt Concentrations over 7 days





Anova: Single Factor

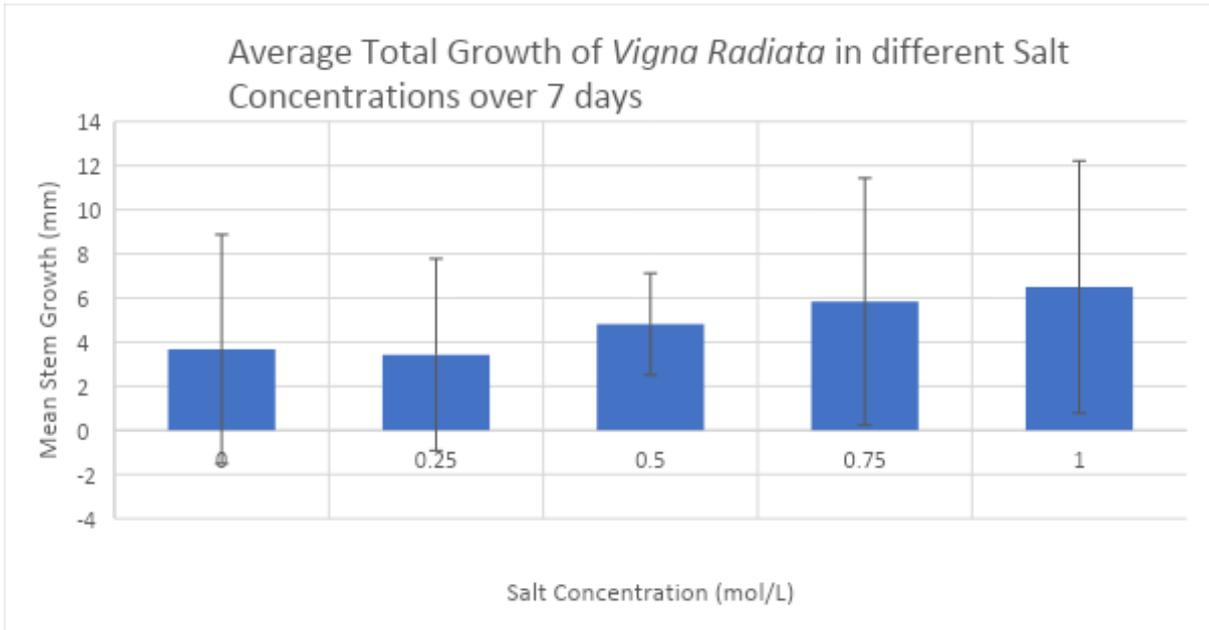
SUMMARY					
Groups	Count	Sum	Average	Variance	
0	6	5.86	0.976667	0.007267	
0.25	6	7.7	1.283333	0.097667	
0.5	6	30.4	5.066667	1.606667	
0.75	6	74	12.333333	14.26667	
1	6	126	21	0	

ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1744.416	4	436.1039	136.4678	1.35E-16	2.75871
Within Groups	79.89133	25	3.195653			
Total	1824.307	29				

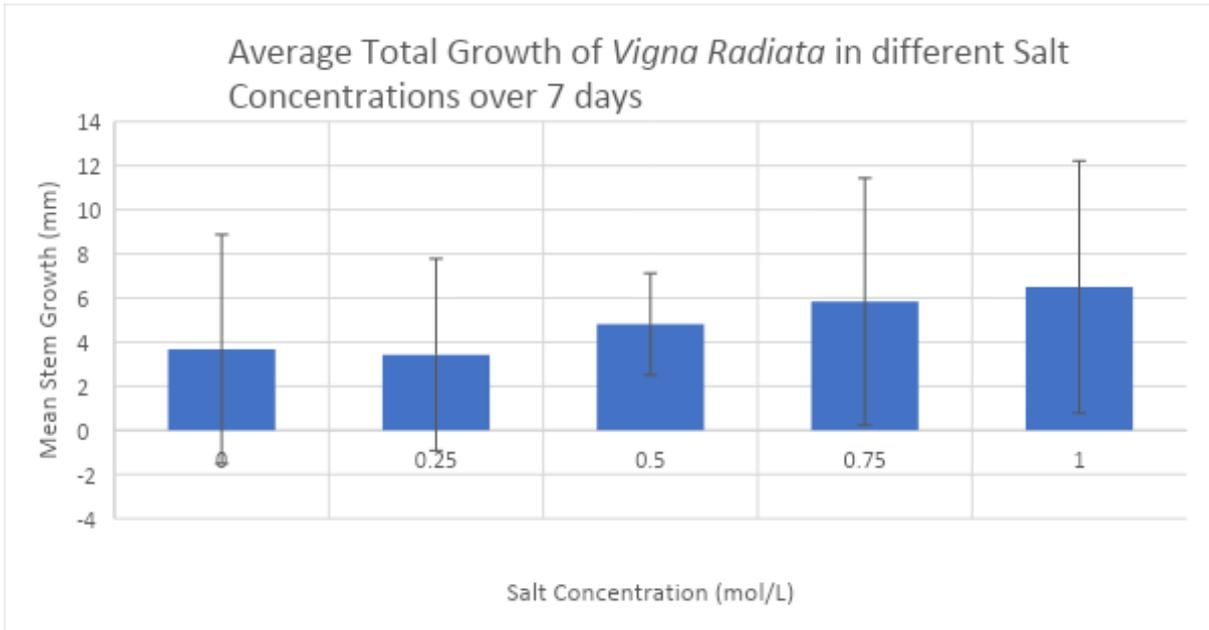
Anova: Single Factor						
SUMMARY						
Groups	Count	Sum	Average	Variance		
0	6	5.86	0.976667	0.007267		
0.25	6	7.7	1.283333	0.097667		
0.5	6	30.4	5.066667	1.606667		
0.75	6	74	12.333333	14.26667		
1	6	126	21	0		
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1744.416	4	436.1039	136.4678	0.000000000000000135	2.75871
Within Groups	79.89133	25	3.195653			
Total	1824.307	29				

Different Results

	0	0.25	0.5	0.75	1
	1	1.2	1	6	21
	1	1.2	5.9	11	13
	1.1	1.2	4	12	21
	1	1	5	21	21
	0.9	1.9	5	17	21
	4	4	8	13	13
Concentration	0	0.25	0.5	0.75	1
Mean	1.5	1.75	4.816667	13.33333	18.33333
SD	1.226377	1.144989	2.306874	5.163978	4.131182

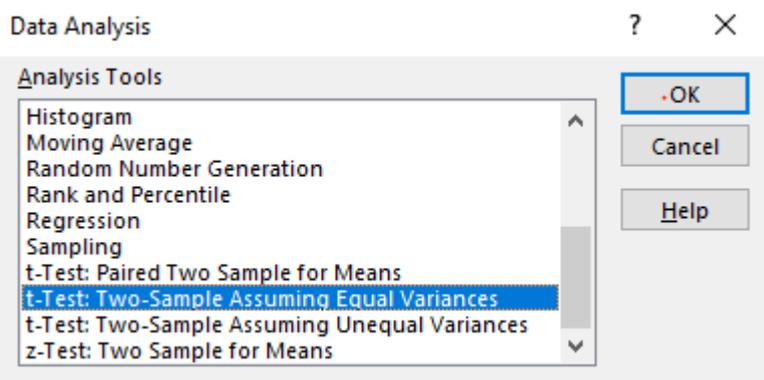


Anova: Single Factor						
SUMMARY						
Groups	Count	Sum	Average	Variance		
0	6	9	1.5	1.504		
0.25	6	10.5	1.75	1.311		
0.5	6	28.9	4.816667	5.321667		
0.75	6	80	13.33333	26.66667		
1	6	110	18.33333	17.06667		
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1359.925	4	339.9812	32.77243	0.000000001311	2.75871
Within Groups	259.35	25	10.374			
Total	1619.275	29				



Anova: Single Factor						
SUMMARY						
Groups	Count	Sum	Average	Variance		
0	6	22.1	3.683333	26.96167		
0.25	6	20.6	3.433333	18.91867		
0.5	6	28.9	4.816667	5.321667		
0.75	6	35	5.833333	31.36667		
1	6	39	6.5	32.7		
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	42.35133	4	10.58783	0.459268	0.76482	2.75871
Within Groups	576.3433	25	23.05373			
Total	618.6947	29				

Post Hoc T Tests



t-Test: Two-Sample Assuming Equal Variances		
	1	0.25
Mean	12.33333333	3.433333
Variance	1.066666667	18.91867
Observations	6	6
Pooled Variance	9.992666667	
Hypothesized Mean Difference	0	
df	10	
t Stat	4.876519147	
P(T<=t) one-tail	0.000322651	
t Critical one-tail	1.812461123	
P(T<=t) two-tail	0.000645302	
t Critical two-tail	2.228138852	

0	0.25	0.5	0.75	1
				Sig
0.25				Sig
0.5	Not Significant			
0.75				
1.0	Sig			