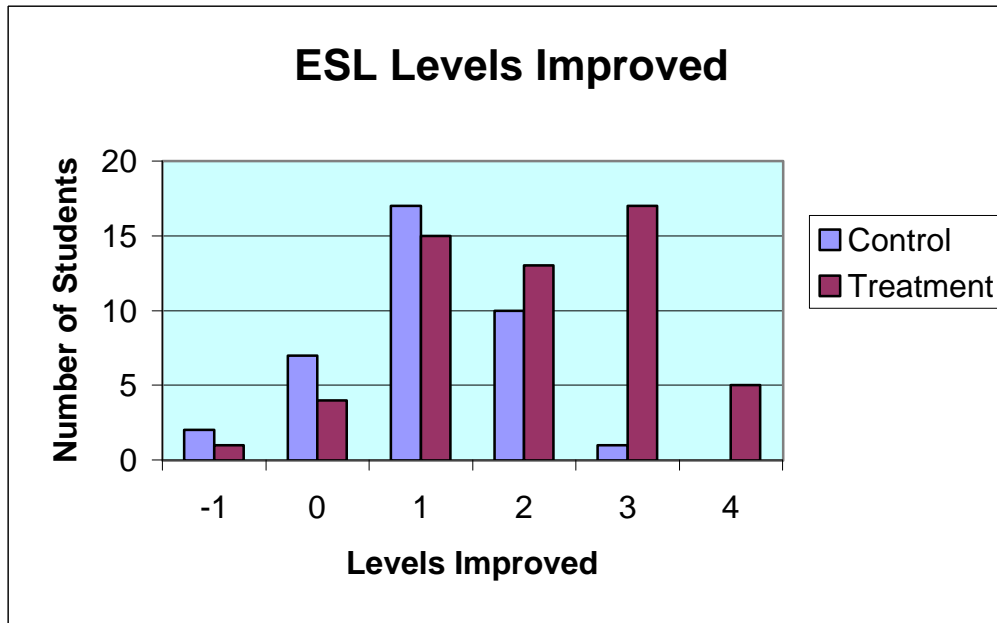


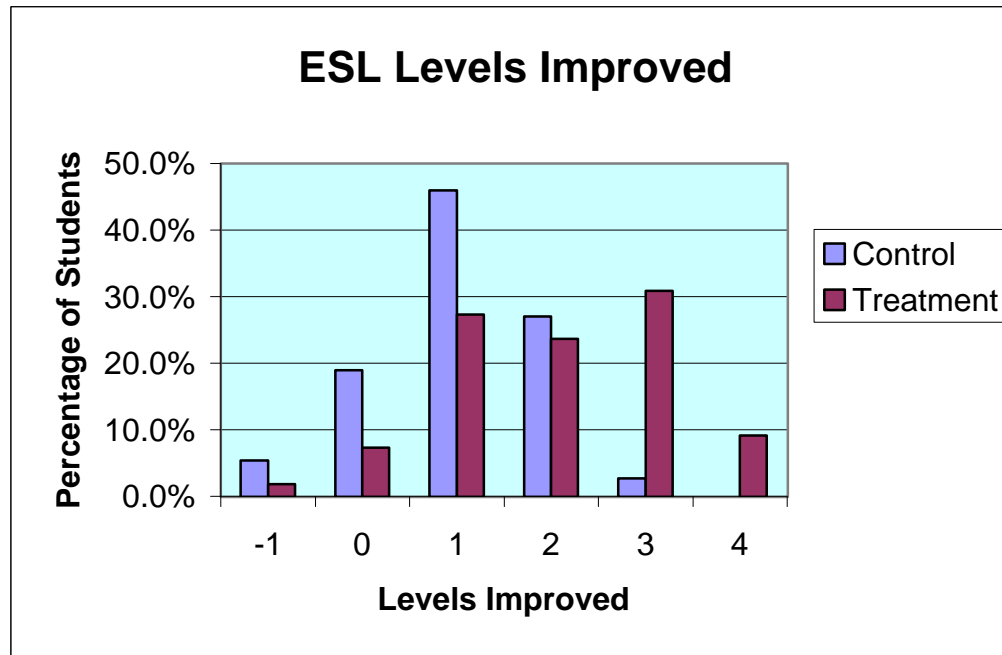
Gains when using Reading with Phonics is Fun with ESL Students

Counts		
Levels Improved	Control	Treatment
-1	2	1
0	7	4
1	17	15
2	10	13
3	1	17
4	0	5

Percentages		
Levels Improved	Control	Treatment
-1	5.4%	1.8%
0	18.9%	7.3%
1	45.9%	27.3%
2	27.0%	23.6%
3	2.7%	30.9%
4	0.0%	9.1%

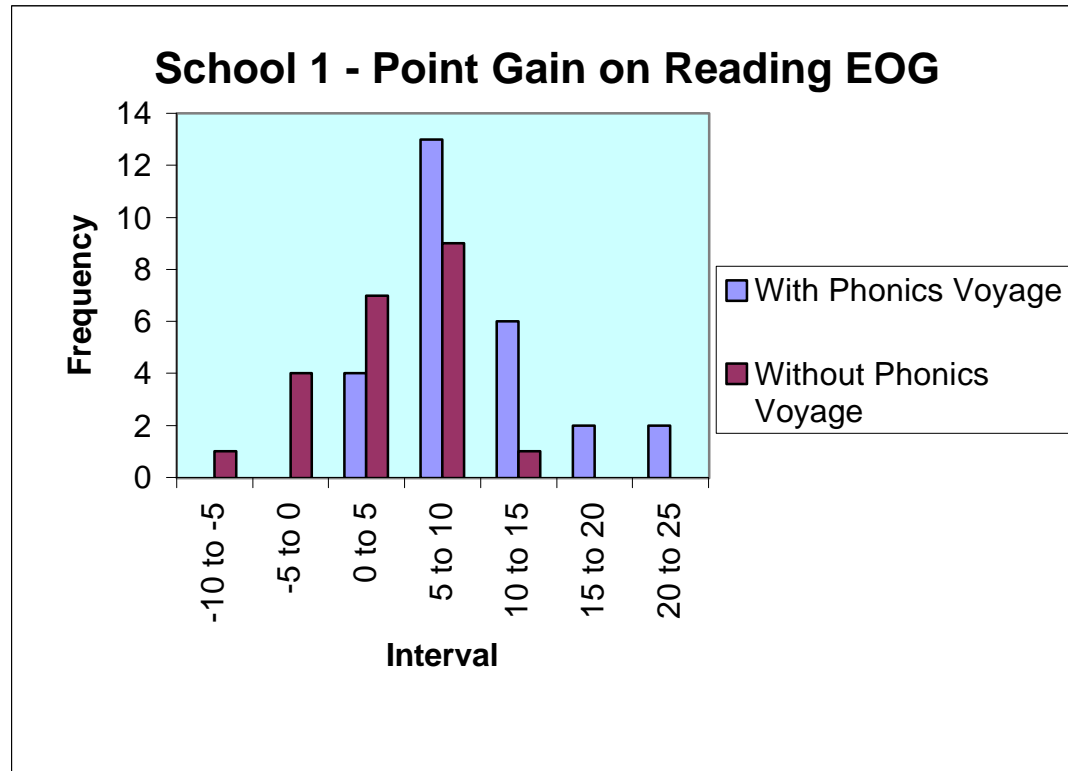


Range of Improvement	Control	Treatment
Neg. or none	24.3%	9.1%
1 or less	70.3%	36.4%
2 or more	29.7%	63.6%
3 or more	2.7%	40.0%



Gains On NC E. O. G. Test - Reading Portion - 3rd Graders, School 1

<i>Interval</i>	<i>With Phonics Voyage</i>	<i>Without Phonics Voyage</i>
-10 to -5	0	1
-5 to 0	0	4
0 to 5	4	7
5 to 10	13	9
10 to 15	6	1
15 to 20	2	0
20 to 25	2	0
total	26	22



Phonics Voyage - School 1

t-Test: Two-Sample Assuming Equal Variances

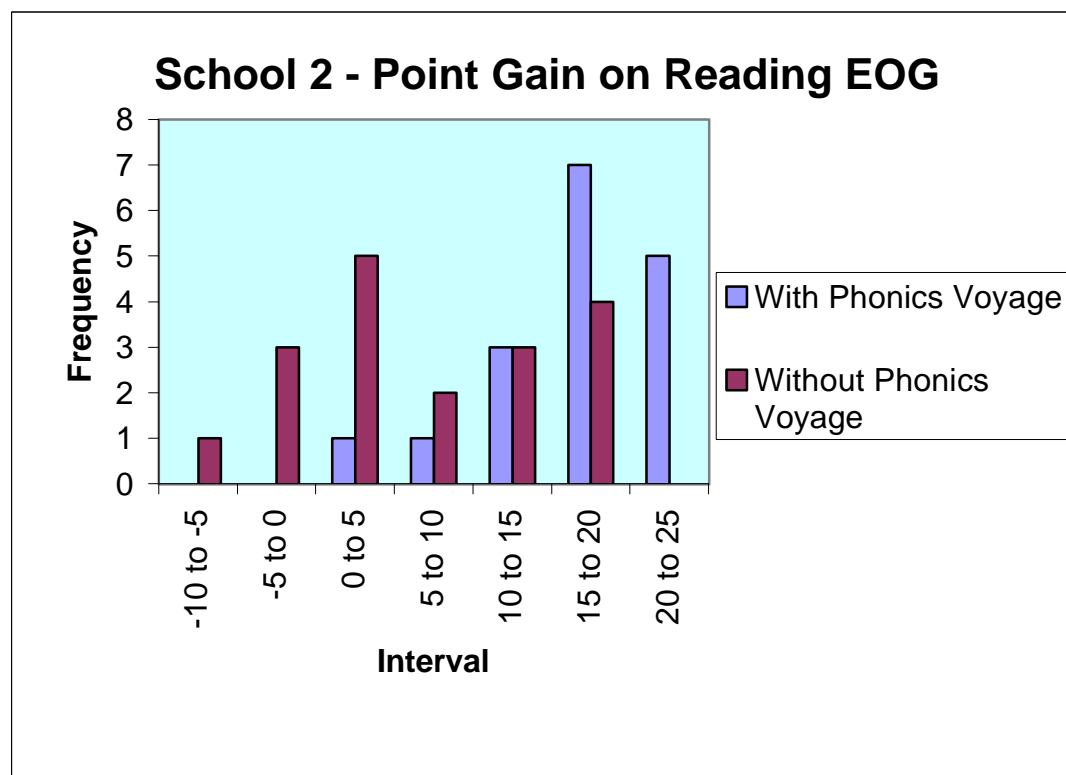
	<i>Variable 1</i>	<i>Variable 2</i>
Mean	9.307692308	3.454545455
Variance	28.38153846	21.30735931
Observations	26	22
Pooled Variance	25.15202189	
Hypothesized Mean Difference	0	
df	46	
t Stat	4.028843198	
P(T<=t) one-tail	0.000104094	
t Critical one-tail	1.678658919	
P(T<=t) two-tail	0.000208189	
t Critical two-tail	2.012893674	

t-Test: Two-Sample Assuming Equal Variances

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	9.307692308	3.454545455
Variance	28.38153846	21.30735931
Observations	26	22
Pooled Variance	25.15202189	
Hypothesized Mean Difference	3	
df	46	
t Stat	1.963880555	
P(T<=t) one-tail	0.027802001	
t Critical one-tail	1.678658919	
P(T<=t) two-tail	0.055604002	
t Critical two-tail	2.012893674	

Gains On NC E. O. G. Test - Reading Portion - 3rd Graders, School 2

<i>Interval</i>	<i>With Phonics Voyage</i>	<i>Without Phonics Voyage</i>
-10 to -5	0	1
-5 to 0	0	3
0 to 5	1	5
5 to 10	1	2
10 to 15	3	3
15 to 20	7	4
20 to 25	5	0
total	17	18



School 2 - Phonics Voyage

t-Test: Two-Sample Assuming Equal Variances

	<i>With P. V.</i>	<i>Without P. V.</i>
Mean	16.23529412	6.166666667
Variance	36.69117647	61.55882353
Observations	17	18
Pooled Variance	49.50178253	
Hypothesized Mean Difference	0	
df	33	
t Stat	4.23142399	
P(T<=t) one-tail	8.68249E-05	
t Critical one-tail	1.692360456	
P(T<=t) two-tail	0.00017365	
t Critical two-tail	2.03451691	

t-Test: Two-Sample Assuming Equal Variances

	<i>With P. V.</i>	<i>Without P. V.</i>
Mean	16.23529412	6.166666667
Variance	36.69117647	61.55882353
Observations	17	18
Pooled Variance	49.50178253	
Hypothesized Mean Difference	5	
df	33	
t Stat	2.130132622	
P(T<=t) one-tail	0.020352855	
t Critical one-tail	1.692360456	
P(T<=t) two-tail	0.040705711	
t Critical two-tail	2.03451691	

t-Test: Two-Sample Assuming Equal Variances

	<i>With P. V.</i>	<i>Without P. V.</i>
Mean	16.23529412	6.166666667
Variance	36.69117647	61.55882353
Observations	17	18
Pooled Variance	49.50178253	
Hypothesized Mean Difference	6	
df	33	
t Stat	1.709874348	
P(T<=t) one-tail	0.048338791	
t Critical one-tail	1.692360456	
P(T<=t) two-tail	0.096677582	
t Critical two-tail	2.03451691	