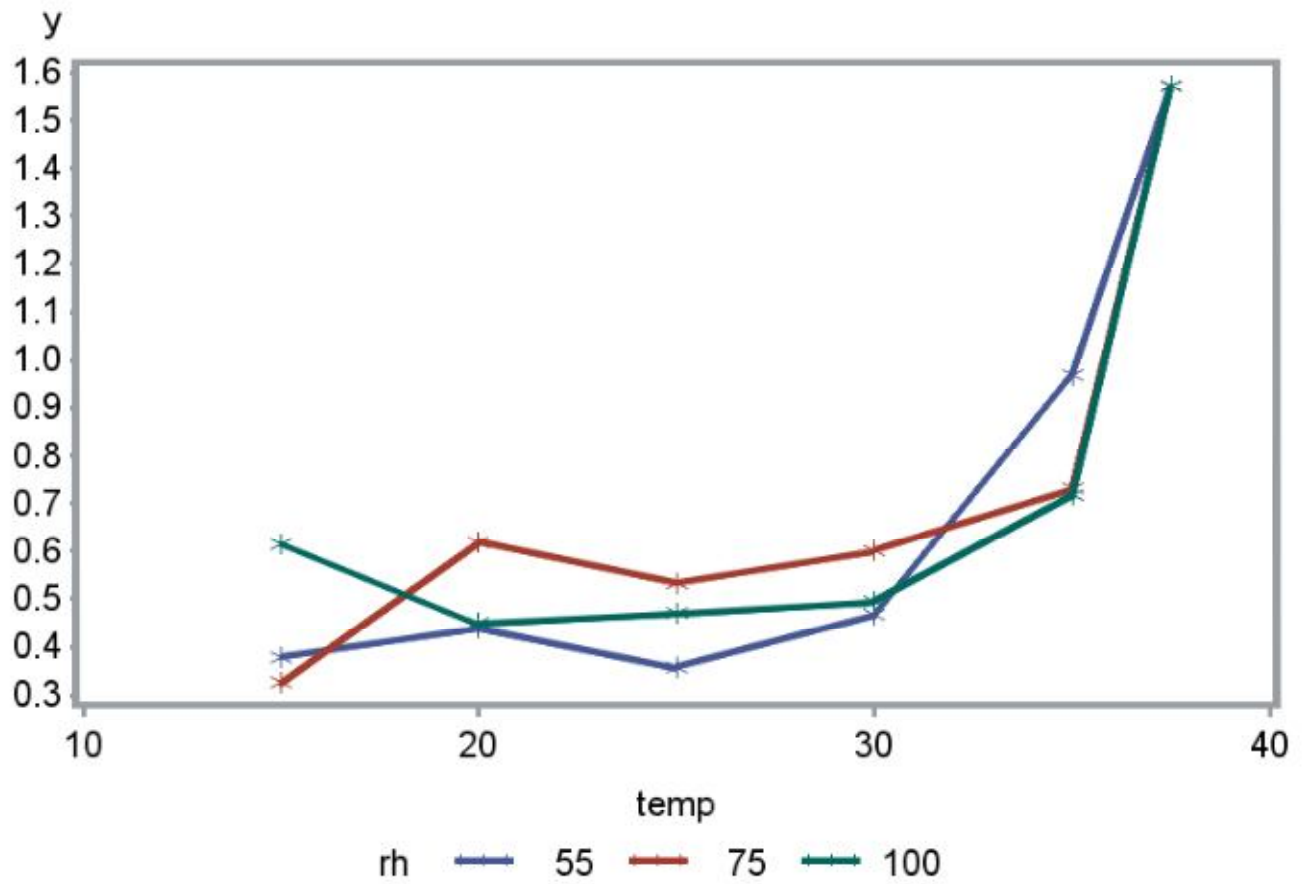


Two-way ANOVA for T. dubius egg mortality
No replication

Obs	temp	rh	mortrate	y
1	15.0	55	0.137	0.37915
2	15.0	75	0.102	0.32507
3	15.0	100	0.333	0.61513
4	20.0	55	0.181	0.43945
5	20.0	75	0.337	0.61936
6	20.0	100	0.188	0.44847
7	25.0	55	0.123	0.35833
8	25.0	75	0.259	0.53393
9	25.0	100	0.205	0.46987
10	30.0	55	0.202	0.46614
11	30.0	75	0.321	0.60234
12	30.0	100	0.226	0.49541
13	35.0	55	0.680	0.96953
14	35.0	75	0.447	0.73230
15	35.0	100	0.431	0.71618
16	37.5	55	1.000	1.57080
17	37.5	75	1.000	1.57080
18	37.5	100	1.000	1.57080

Two-way ANOVA for *T. dubius* egg mortality
No replication



Two-way ANOVA for T. dubius egg mortality
No replication

The GLM Procedure

Class Level Information		
Class	Levels	Values
temp	6	15 20 25 30 35 37.5
rh	3	55 75 100

Number of Observations Read	18
Number of Observations Used	18

Two-way ANOVA for T. dubius egg mortality No replication

The GLM Procedure

Dependent Variable: y

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	2.90510830	0.41501547	31.68	<.0001
Error	10	0.13098482	0.01309848		
Corrected Total	17	3.03609312			

R-Square	Coeff Var	Root MSE	y Mean
0.956857	15.99058	0.114449	0.715725

Source	DF	Type I SS	Mean Square	F Value	Pr > F
temp	5	2.90164653	0.58032931	44.31	<.0001
rh	2	0.00346178	0.00173089	0.13	0.8777

Source	DF	Type III SS	Mean Square	F Value	Pr > F
temp	5	2.90164653	0.58032931	44.31	<.0001
rh	2	0.00346178	0.00173089	0.13	0.8777

Two-way ANOVA for T. dubius egg mortality

No replication

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey

temp	y LSMEAN	LSMEAN Number
15	0.43978326	1
20	0.50242839	2
25	0.45404396	3
30	0.52129702	4
35	0.80600259	5
37.5	1.57079633	6

Least Squares Means for effect temp Pr > t for H0: LSMean(i)=LSMean(j) Dependent Variable: y						
i/j	1	2	3	4	5	6
1		0.9815	1.0000	0.9450	0.0254	<.0001
2	0.9815		0.9941	0.9999	0.0703	<.0001
3	1.0000	0.9941		0.9749	0.0320	<.0001
4	0.9450	0.9999	0.9749		0.0953	<.0001
5	0.0254	0.0703	0.0320	0.0953		0.0001
6	<.0001	<.0001	<.0001	<.0001	0.0001	

temp	y LSMEAN	95% Confidence Limits	
15	0.439783	0.292555	0.587012
20	0.502428	0.355200	0.649657
25	0.454044	0.306815	0.601273
30	0.521297	0.374068	0.668526
35	0.806003	0.658774	0.953231
37.5	1.570796	1.423568	1.718025

Least Squares Means for Effect temp			
i	j	Difference Between Means	Simultaneous 95% Confidence Limits for LSMean(i)-LSMean(j)
1	2	-0.062645	-0.387208 0.261918
1	3	-0.014261	-0.338824 0.310303
1	4	-0.081514	-0.406077 0.243049
1	5	-0.366219	-0.690783 -0.041656
1	6	-1.131013	-1.455576 -0.806450
2	3	0.048384	-0.276179 0.372948
2	4	-0.018869	-0.343432 0.305695
2	5	-0.303574	-0.628137 0.020989
2	6	-1.068368	-1.392931 -0.743805
3	4	-0.067253	-0.391816 0.257310

3	5	-0.351959	-0.676522	-0.027395
3	6	-1.116752	-1.441316	-0.792189
4	5	-0.284706	-0.609269	0.039858
4	6	-1.049499	-1.374063	-0.724936
5	6	-0.764794	-1.089357	-0.440230

Tukey Comparison Lines for Least Squares Means of temp

**LS-means with the same letter
are not significantly different.**

		y LSMEAN	temp	LSMEAN Number
	A	1.57079633	37.5	6
	B	0.80600259	35	5
	B			
C	B	0.52129702	30	4
C	B			
C	B	0.50242839	20	2
C				
C		0.45404396	25	3
C				
C		0.43978326	15	1

Two-way ANOVA for T. dubius egg mortality

No replication

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey

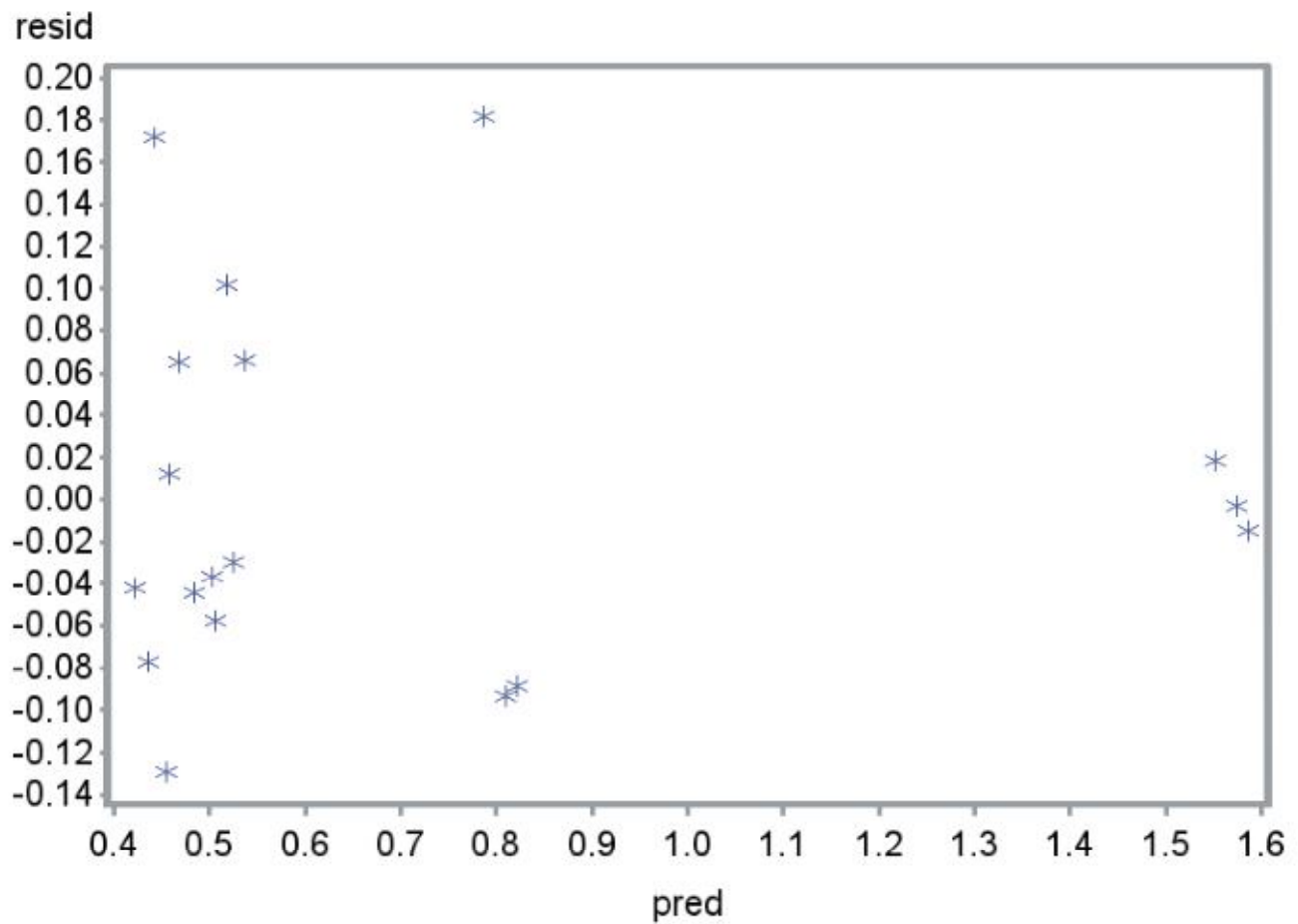
rh	y LSMEAN	LSMEAN Number
55	0.69723464	1
75	0.73063222	2
100	0.71930892	3

Least Squares Means for effect rh Pr > t for H0: LSMean(i)=LSMean(j) Dependent Variable: y			
i/j	1	2	3
1		0.8704	0.9407
2	0.8704		0.9840
3	0.9407	0.9840	

rh	y LSMEAN	95% Confidence Limits	
55	0.697235	0.593128	0.801341
75	0.730632	0.626526	0.834739
100	0.719309	0.615203	0.823415

Least Squares Means for Effect rh				
i	j	Difference Between Means	Simultaneous 95% Confidence Limits for LSMean(i)-LSMean(j)	
1	2	-0.033398	-0.214533	0.147738
1	3	-0.022074	-0.203210	0.159061
2	3	0.011323	-0.169812	0.192459

Tukey Comparison Lines for Least Squares Means of rh			
LS-means with the same letter are not significantly different.			
	y LSMEAN	rh	LSMEAN Number
A	0.73063222	75	2
A			
A	0.71930892	100	3
A			
A	0.69723464	55	1

Diagnostic plots to check anova assumptions

The UNIVARIATE Procedure

Diagnostic plots to check anova assumptions

