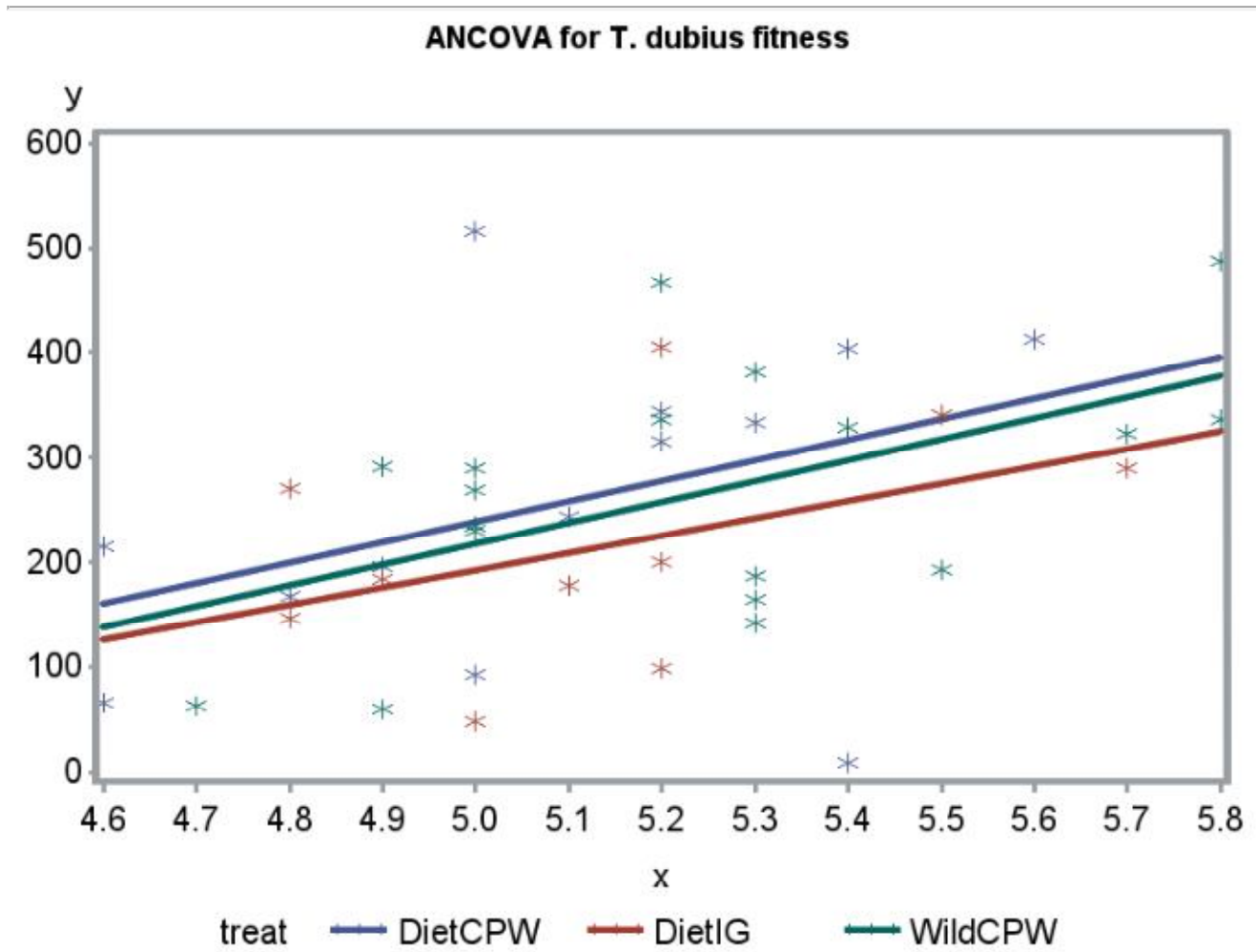


ANCOVA for *T. dubius* fitness

Obs	eggs	length	treat	y	x
1	290	5.7	DietIG	290	5.7
2	99	5.2	DietIG	99	5.2
3	340	5.5	DietIG	340	5.5
4	271	4.8	DietIG	271	4.8
5	200	5.2	DietIG	200	5.2
6	405	5.2	DietIG	405	5.2
7	178	5.1	DietIG	178	5.1
8	48	5.0	DietIG	48	5.0
9	146	4.8	DietIG	146	4.8
10	184	4.9	DietIG	184	4.9
11	66	4.6	DietCPW	66	4.6
12	93	5.0	DietCPW	93	5.0
13	9	5.4	DietCPW	9	5.4
14	404	5.4	DietCPW	404	5.4
15	244	5.1	DietCPW	244	5.1
16	195	4.9	DietCPW	195	4.9
17	343	5.2	DietCPW	343	5.2
18	516	5.0	DietCPW	516	5.0
19	215	4.6	DietCPW	215	4.6
20	412	5.6	DietCPW	412	5.6
21	167	4.8	DietCPW	167	4.8
22	316	5.2	DietCPW	316	5.2
23	334	5.3	DietCPW	334	5.3
24	62	4.7	WildCPW	62	4.7
25	290	5.0	WildCPW	290	5.0
26	488	5.8	WildCPW	488	5.8
27	336	5.2	WildCPW	336	5.2
28	337	5.8	WildCPW	337	5.8
29	230	5.0	WildCPW	230	5.0
30	381	5.3	WildCPW	381	5.3
31	192	5.5	WildCPW	192	5.5
32	186	5.3	WildCPW	186	5.3
33	467	5.2	WildCPW	467	5.2
34	59	4.9	WildCPW	59	4.9
35	323	5.7	WildCPW	323	5.7
36	291	4.9	WildCPW	291	4.9
37	164	5.3	WildCPW	164	5.3
38	142	5.3	WildCPW	142	5.3
39	269	5.0	WildCPW	269	5.0
40	329	5.4	WildCPW	329	5.4

41	235	5.0	WildCPW	235	5.0
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ANCOVA for T. dubius fitness**The GLM Procedure**

Class Level Information		
Class	Levels	Values
treat	3	DietCPW DietIG WildCPW

Number of Observations Read	41
Number of Observations Used	41

ANCOVA for T. dubius fitness
The GLM Procedure

Dependent Variable: y

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	148620.1904	49540.0635	3.74	0.0193
Error	37	490584.9316	13259.0522		
Corrected Total	40	639205.1220			

R-Square	Coeff Var	Root MSE	y Mean
0.232508	46.03224	115.1480	250.1463

Source	DF	Type I SS	Mean Square	F Value	Pr > F
treat	2	16193.0211	8096.5105	0.61	0.5484
x	1	132427.1693	132427.1693	9.99	0.0031

Source	DF	Type III SS	Mean Square	F Value	Pr > F
treat	2	13846.2749	6923.1375	0.52	0.5976
x	1	132427.1693	132427.1693	9.99	0.0031

ANCOVA for T. dubius fitness

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

treat	y LSMEAN	LSMEAN Number
DietCPW	270.496170	1
DietIG	221.056056	2
WildCPW	251.610513	3

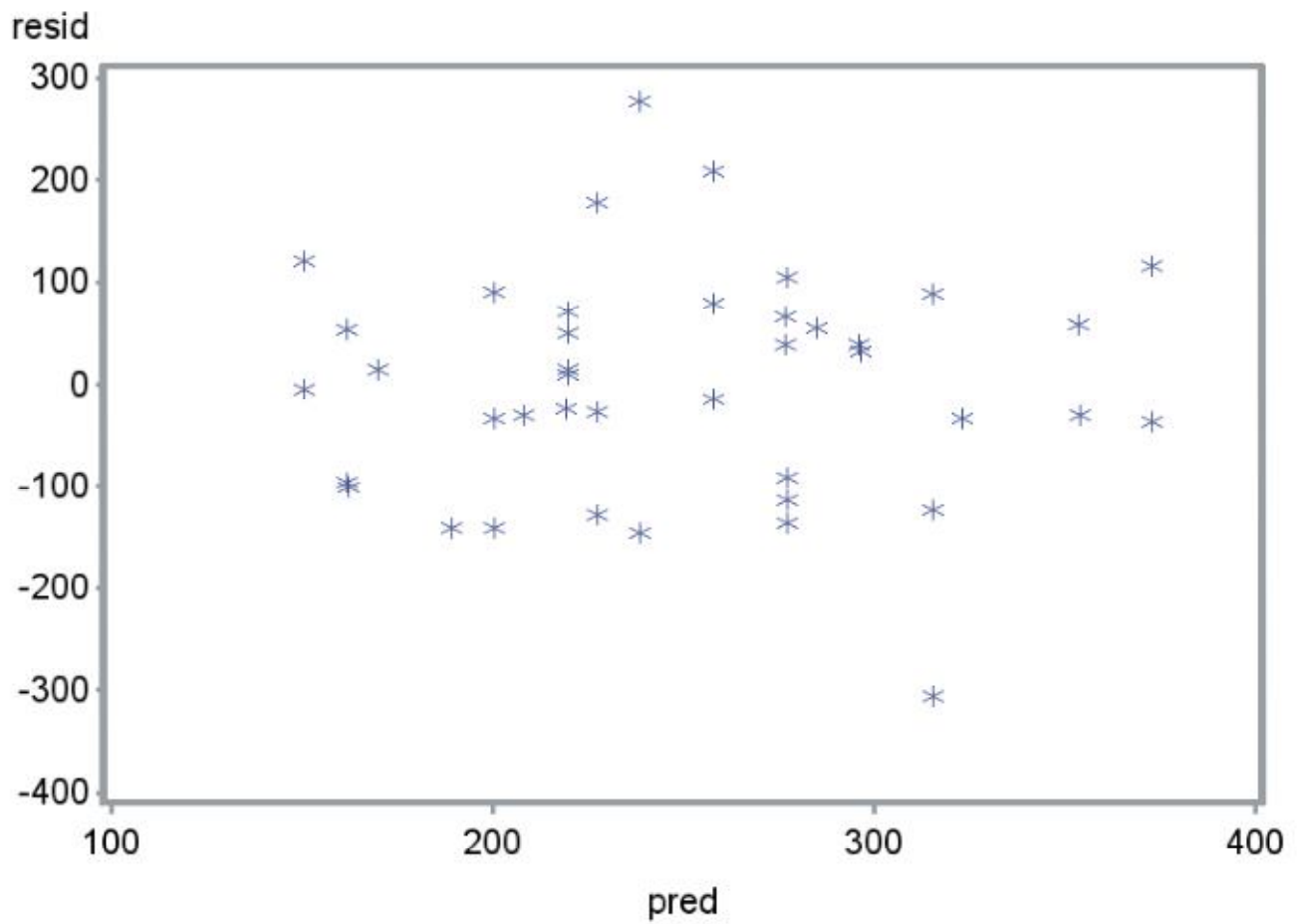
Least Squares Means for effect treat Pr > t for H0: LSMean(i)=LSMean(j) Dependent Variable: y			
i/j	1	2	3
1		0.5702	0.8992
2	0.5702		0.7839
3	0.8992	0.7839	

treat	y LSMEAN	95% Confidence Limits	
DietCPW	270.496170	205.021331	335.971009
DietIG	221.056056	147.207956	294.904156
WildCPW	251.610513	195.890594	307.330433

Least Squares Means for Effect treat				
i	j	Difference Between Means	Simultaneous 95% Confidence Limits for LSMean(i)-LSMean(j)	
1	2	49.440114	-69.094011	167.974239
1	3	18.885656	-85.958935	123.730248
2	3	-30.554457	-142.397015	81.288100

Tukey-Kramer Comparison Lines for Least Squares Means of treat

LS-means with the same letter are not significantly different.			
	y LSMEAN	treat	LSMEAN Number
A	270.496	DietCPW	1
A			
A	251.611	WildCPW	3
A			
A	221.056	DietIG	2

Diagnostic plots to check ANCOVA assumptions

The UNIVARIATE Procedure

Diagnostic plots to check ANCOVA assumptions

