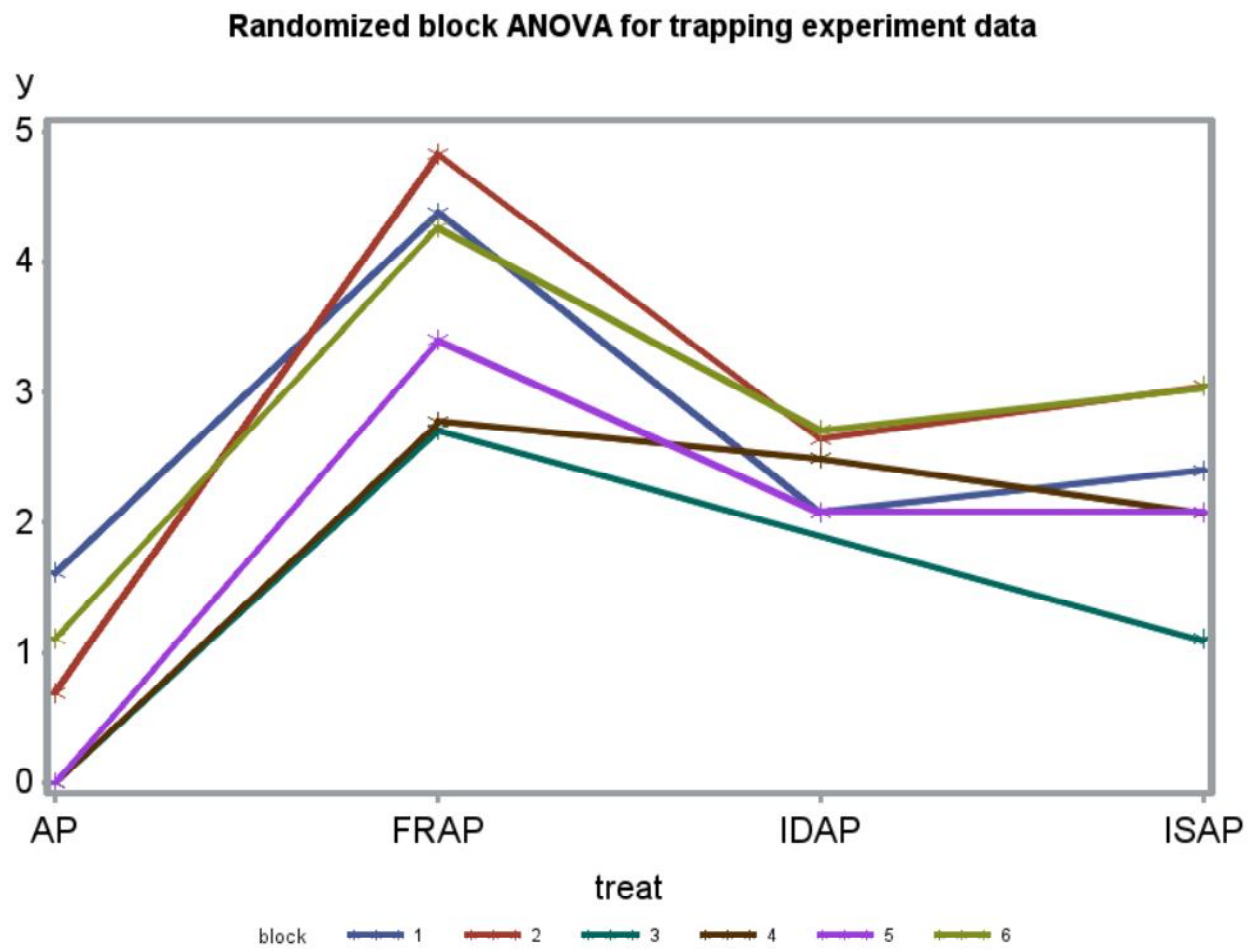


Randomized block ANOVA for trapping experiment data

Obs	block	treat	count	sqrtcount	logcount	y
1	1	AP	4	2.0000	1.60944	1.60944
2	1	FRAP	79	8.8882	4.38203	4.38203
3	1	IDAP	7	2.6458	2.07944	2.07944
4	1	ISAP	10	3.1623	2.39790	2.39790
5	2	AP	1	1.0000	0.69315	0.69315
6	2	FRAP	124	11.1355	4.82831	4.82831
7	2	IDAP	13	3.6056	2.63906	2.63906
8	2	ISAP	20	4.4721	3.04452	3.04452
9	3	AP	0	0.0000	0.00000	0.00000
10	3	FRAP	14	3.7417	2.70805	2.70805
11	3	IDAP
12	3	ISAP	2	1.4142	1.09861	1.09861
13	4	AP	0	0.0000	0.00000	0.00000
14	4	FRAP	15	3.8730	2.77259	2.77259
15	4	IDAP	11	3.3166	2.48491	2.48491
16	4	ISAP	7	2.6458	2.07944	2.07944
17	5	AP	0	0.0000	0.00000	0.00000
18	5	FRAP	29	5.3852	3.40120	3.40120
19	5	IDAP	7	2.6458	2.07944	2.07944
20	5	ISAP	7	2.6458	2.07944	2.07944
21	6	AP	2	1.4142	1.09861	1.09861
22	6	FRAP	70	8.3666	4.26268	4.26268
23	6	IDAP	14	3.7417	2.70805	2.70805
24	6	ISAP	20	4.4721	3.04452	3.04452



Randomized block ANOVA for trapping experiment data

The Mixed Procedure

Model Information	
Data Set	WORK.TRAPEXP
Dependent Variable	y
Covariance Structure	Variance Components
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Kenward-Roger
Degrees of Freedom Method	Kenward-Roger

Class Level Information		
Class	Levels	Values
treat	4	AP FRAP IDAP ISAP
block	6	1 2 3 4 5 6

Dimensions	
Covariance Parameters	2
Columns in X	5
Columns in Z	6
Subjects	1
Max Obs per Subject	23

Number of Observations	
Number of Observations Read	24
Number of Observations Used	23
Number of Observations Not Used	1

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	47.44629548	
1	2	38.98690259	0.00950955
2	1	38.96571169	0.00025308
3	1	38.96519017	0.00000021
4	1	38.96518975	0.00000000

Convergence criteria met.

Covariance Parameter Estimates				
Cov Parm	Estimate	Alpha	Lower	Upper
block	0.3332	0.05	0.1159	3.1475
Residual	0.1831	0.05	0.09789	0.4576

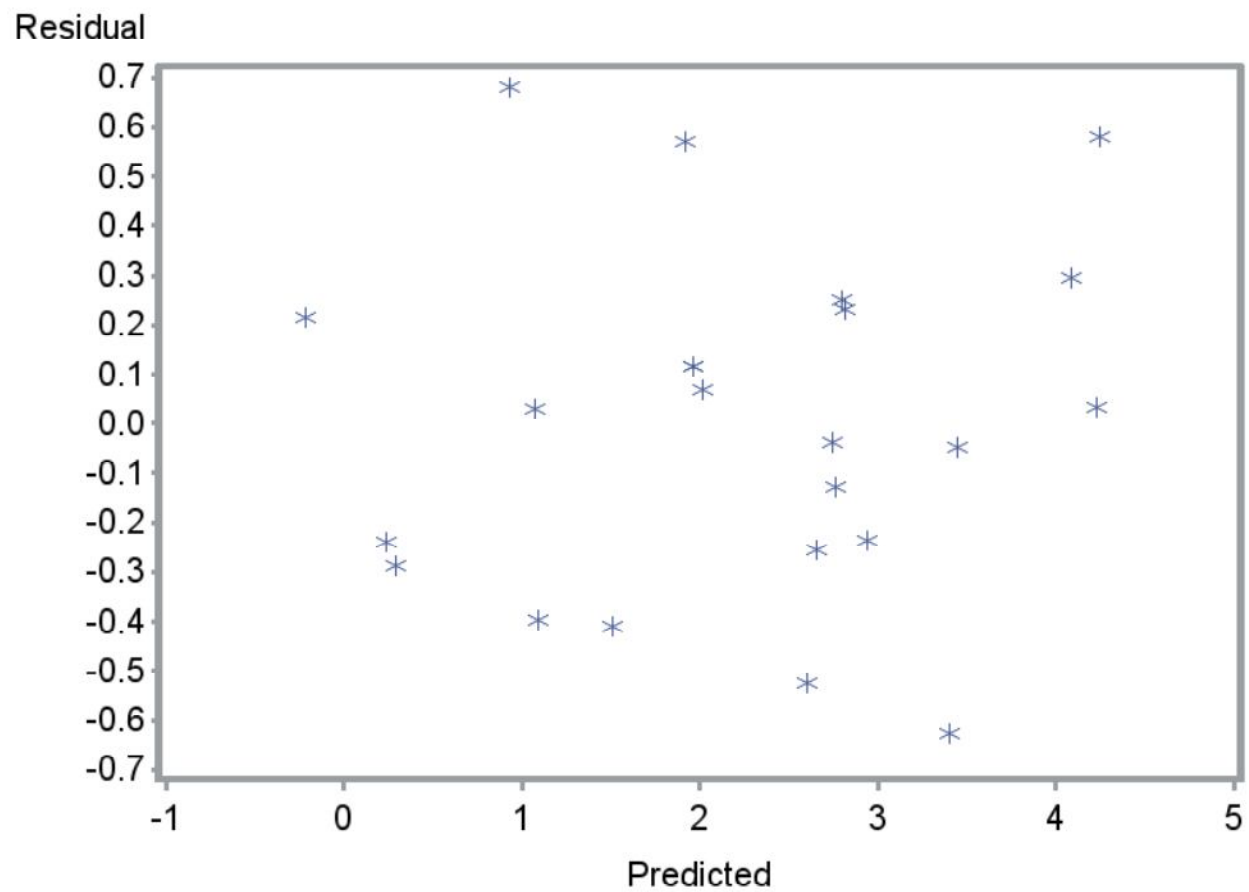
Fit Statistics	
-2 Res Log Likelihood	39.0

AIC (Smaller is Better)	43.0
AICC (Smaller is Better)	43.7
BIC (Smaller is Better)	42.5

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
treat	3	13.9	54.68	<.0001

Least Squares Means									
Effect	treat	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
treat	AP	0.5669	0.2933	8.59	1.93	0.0869	0.05	-0.1016	1.2353
treat	FRAP	3.7258	0.2933	8.59	12.70	<.0001	0.05	3.0574	4.3942
treat	IDAP	2.2417	0.3069	9.83	7.30	<.0001	0.05	1.5562	2.9272
treat	ISAP	2.2907	0.2933	8.59	7.81	<.0001	0.05	1.6223	2.9592

Differences of Least Squares Means														
Effect	treat	_treat	Estimate	Standard Error	DF	t Value	Pr > t	Adjustment	Adj P	Alpha	Lower	Upper	Adj Lower	Adj Upper
treat	AP	FRAP	-3.1589	0.2470	13.9	-12.79	<.0001	Tukey-Kramer	<.0001	0.05	-3.6892	-2.6287	-3.8777	-2.4402
treat	AP	IDAP	-1.6748	0.2630	14	-6.37	<.0001	Tukey-Kramer	<.0001	0.05	-2.2389	-1.1108	-2.4392	-0.9105
treat	AP	ISAP	-1.7239	0.2470	13.9	-6.98	<.0001	Tukey-Kramer	<.0001	0.05	-2.2541	-1.1936	-2.4426	-1.0051
treat	FRAP	IDAP	1.4841	0.2630	14	5.64	<.0001	Tukey-Kramer	0.0003	0.05	0.9200	2.0482	0.7197	2.2485
treat	FRAP	ISAP	1.4351	0.2470	13.9	5.81	<.0001	Tukey-Kramer	0.0002	0.05	0.9048	1.9653	0.7163	2.1538
treat	IDAP	ISAP	-0.04903	0.2630	14	-0.19	0.8548	Tukey-Kramer	0.9976	0.05	-0.6131	0.5151	-0.8134	0.7154

Diagnostic plots to check anova assumptions

The UNIVARIATE Procedure

