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The SAS System

The Mixed Procedure

Model Information				
Data Set	WORK.FIRE_ANT_KILLER			
Dependent Variable kill_count				
Covariance Structure	Variance Components			
Estimation Method	Type 3			
Residual Variance Method	Factor			
Fixed Effects SE Method	Model-Based			
Degrees of Freedom Method	Containment			

Class Level Information				
Class	Levels	Values		
chemical	4	1234		
location	5	12345		

Dimensions		
Covariance Parameters	4	
Columns in X	1	
Columns in Z	29	
Subjects	1	
Max Obs Per Subject	40	

Number of Observations		
Number of Observations Read	40	
Number of Observations Used	40	
Number of Observations Not Used	0	

Type 3 Analysis of Variance								
Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term	Error DF	F Value	Pr > F
chemical	3	180.132750	60.044250	Var(Residual) + 2 Var (chemical*location) + 10 Var (chemical)	MS (chemical*location)	12	44.59	<.0001
location	4	3.811500	0.952875	Var(Residual) + 2 Var (chemical*location) + 8 Var (location)	MS (chemical*location)	12	0.71	0.6020
chemical*location	12	16.158500	1.346542	Var(Residual) + 2 Var (chemical*location)	MS(Residual)	20	3.89	0.0037
Residual	20	6.925000	0.346250	Var(Residual)				

Covariance Parameter Estimates			
Cov Parm Estimat			
chemical	5.8698		
location	-0.04921		

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Covariance Parameter Estimates			
Cov Parm	Estimate		
chemical*location	0.5001		
Residual	0.3462		

Fit Statistics				
-2 Res Log Likelihood	108.8			
AIC (smaller is better)	116.8			
AICC (smaller is better)	118.0			
BIC (smaller is better)	114.4			