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The SAS System

The GLM Procedure

Class Level Information					
Class	Levels	Values			
batch	10	12345678910			

Number of Observations Read	50
Number of Observations Used	50

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The SAS System

The GLM Procedure

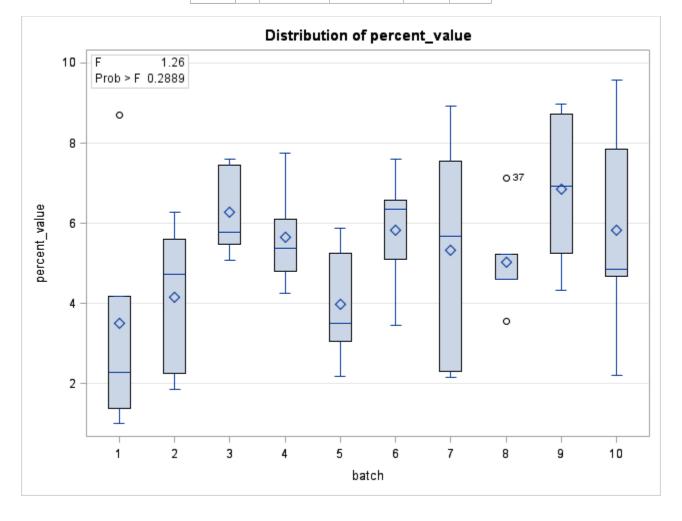
Dependent Variable: percent_value

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	9	51.6430000	5.7381111	1.26	0.2889
Error	40	182.3380000	4.5584500		
Corrected Total	49	233.9810000			

R-Square	Coeff Var	Root MSE	percent_value Mean
0.220715	40.72973	2.135053	5.242000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
batch	9	51.64300000	5.73811111	1.26	0.2889

Source	DF	Type III SS	Mean Square	F Value	Pr > F	
batch	9	51.64300000	5.73811111	1.26	0.2889	



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The SAS System

The GLM Procedure

Source	Type III Expected Mean Square
batch	Var(Error) + 5 Var(batch)

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The SAS System

The Mixed Procedure

Model Information					
Data Set	WORK.PAINT_DATA				
Dependent Variable	percent_value				
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			
batch	10	12345678910			

Dimensions				
Covariance Parameters	2			
Columns in X	1			
Columns in Z	10			
Subjects	1			
Max Obs Per Subject	50			

Number of Observations				
Number of Observations Read	50			
Number of Observations Used	50			
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
batch	9	51.643000	5.738111	Var(Residual) + 5 Var(batch)	MS(Residual)	40	1.26	0.2889
Residual	40	182.338000	4.558450	Var(Residual)				

Covariance Parameter Estimates				
Cov Parm Estima				
batch	0.2359			
Residual	4.5584			

Fit Statistics			
-2 Res Log Likelihood	219.4		
AIC (smaller is better)	223.4		
AICC (smaller is better)	223.6		
BIC (smaller is better)	224.0		

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The SAS System

The Mixed Procedure

Model Information					
Data Set WORK.PAINT_DA					
Dependent Variable	percent_value				
Covariance Structure	Variance Components				
Estimation Method	REML				
Residual Variance Method	Profile				
Fixed Effects SE Method Model-Based					
Degrees of Freedom Method	Containment				

Class Level Information						
Class	ass Levels Values					
batch	10	12345678910				

Dimensions			
Covariance Parameters	2		
Columns in X	1		
Columns in Z	10		
Subjects	1		
Max Obs Per Subject	50		

Number of Observations		
Number of Observations Read	50	
Number of Observations Used		
Number of Observations Not Used	0	

Iteration History				
Iteration	Evaluations	-2 Res Log Like	Criterion	
0	1	219.57556051		
1	1	219.37147613	0.00000000	

Convergence criteria met.

Covariance Parameter Estimates				
Cov Parm Estima				
batch	0.2359			
Residual	4.5584			

Fit Statistics			
-2 Res Log Likelihood	219.4		
AIC (smaller is better)	223.4		
AICC (smaller is better)	223.6		

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Fit Statistics			
BIC (smaller is better)	224.0		

Estimates								
Label	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Avg. fade	5.2420	0.3388	9	15.47	<.0001	0.05	4.4757	6.0083