

Obs	site	batch	drug
1	1	1	5.03
2	1	1	5.10
3	1	1	5.25
4	1	1	4.98
5	1	1	5.05
6	1	2	4.64
7	1	2	4.73
8	1	2	4.82
9	1	2	4.95
10	1	2	5.06
11	1	3	5.10
12	1	3	5.15
13	1	3	5.20
14	1	3	5.08
15	1	3	5.14
16	2	1	5.05
17	2	1	4.96
18	2	1	5.12
19	2	1	5.12
20	2	1	5.05
21	2	2	5.46
22	2	2	5.15
23	2	2	5.18
24	2	2	5.18
25	2	2	5.11
26	2	3	4.90
27	2	3	4.95
28	2	3	4.86
29	2	3	4.86
30	2	3	5.07

The Mixed Procedure

Model Information	
Data Set	WORK.NESTED
Dependent Variable	drug
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	Levels	Values
site	2	1 2
batch	3	1 2 3

Dimensions	
Covariance Parameters	2
Columns in X	3
Columns in Z	6
Subjects	1
Max Obs Per Subject	30

Number of Observations	
Number of Observations Read	30
Number of Observations Used	30
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	-16.69703934	
1	1	-29.79276449	0.00000000

The Mixed Procedure

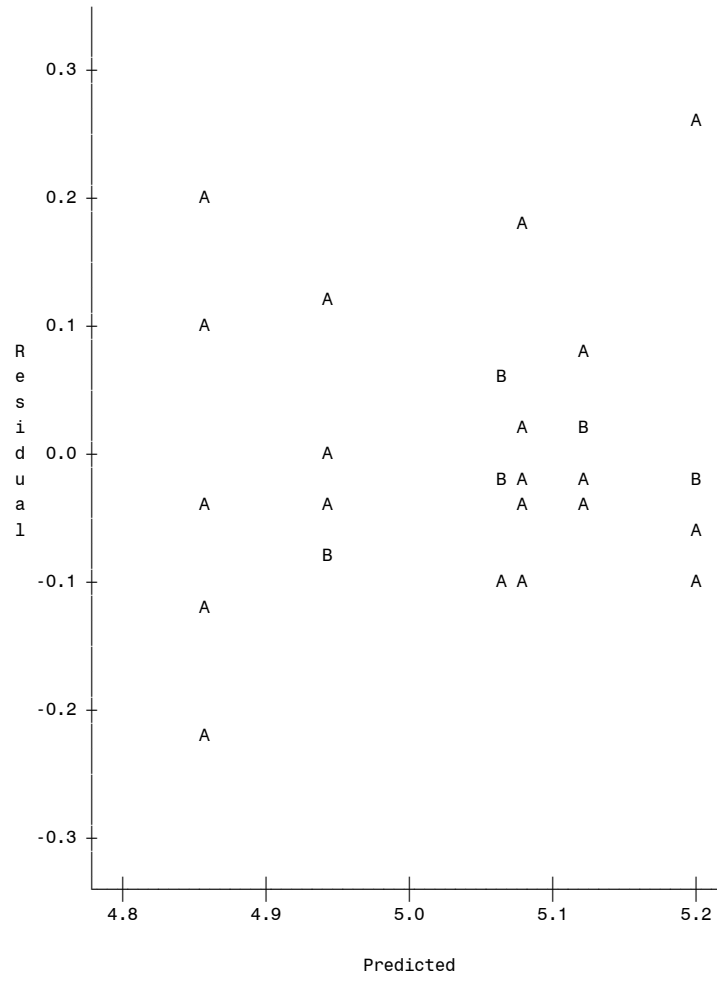
Convergence criteria met.

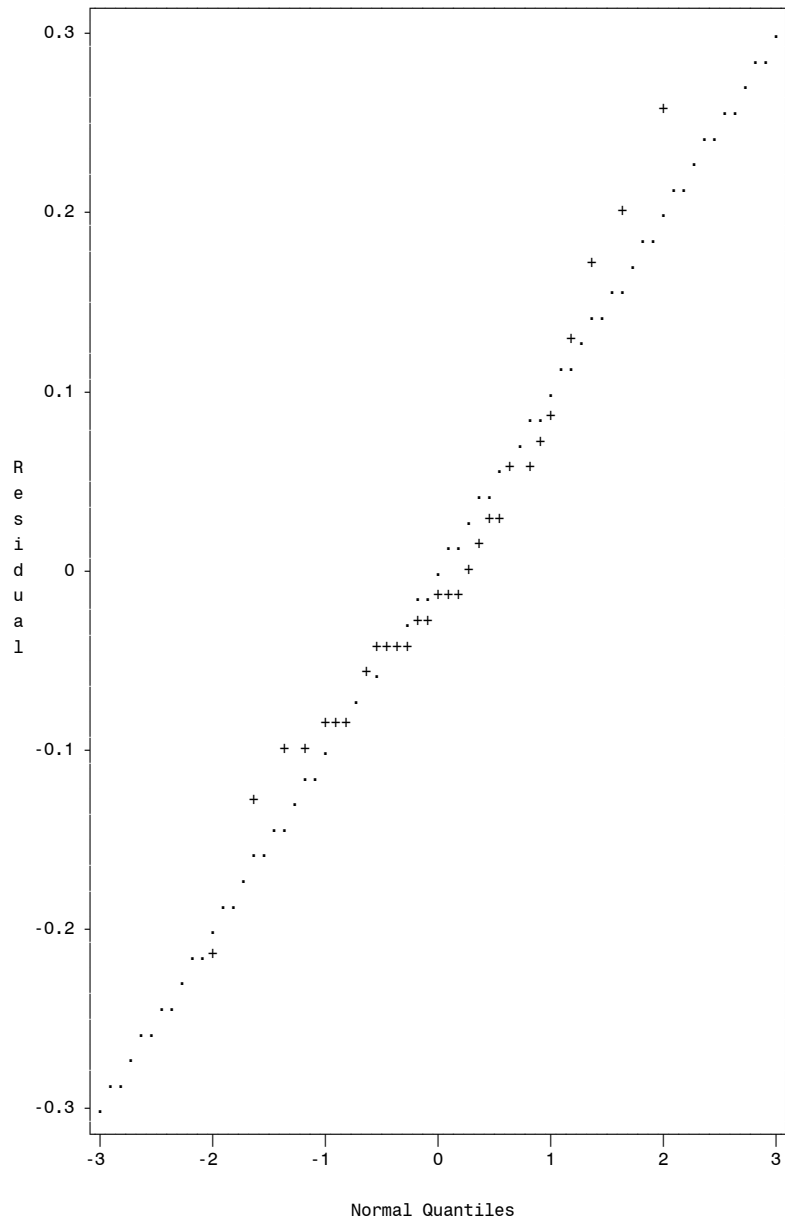
Covariance Parameter Estimates	
Cov Parm	Estimate
batch(site)	0.02028
Residual	0.01209

Fit Statistics	
-2 Res Log Likelihood	-29.8
AIC (smaller is better)	-25.8
AICC (smaller is better)	-25.3
BIC (smaller is better)	-26.2

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
site	1	4	0.16	0.7089

Plot of Resid*Pred. Legend: A = 1 obs, B = 2 obs, etc.





The GLM Procedure

Class Level Information		
Class	Levels	Values
site	2	1 2
batch	3	1 2 3

Number of Observations Read	30
Number of Observations Used	30

The GLM Procedure

Dependent Variable: drug

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	0.47226667	0.09445333	7.81	0.0002
Error	24	0.29020000	0.01209167		
Corrected Total	29	0.76246667			

R-Square	Coeff Var	Root MSE	drug Mean
0.619393	2.180346	0.109962	5.043333

Source	DF	Type I SS	Mean Square	F Value	Pr > F
site	1	0.01825333	0.01825333	1.51	0.2311
batch(site)	4	0.45401333	0.11350333	9.39	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
site	1	0.01825333	0.01825333	1.51	0.2311
batch(site)	4	0.45401333	0.11350333	9.39	0.0001

Tests of Hypotheses Using the Type III MS for batch(site) as an Error Term					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
site	1	0.01825333	0.01825333	0.16	0.7089