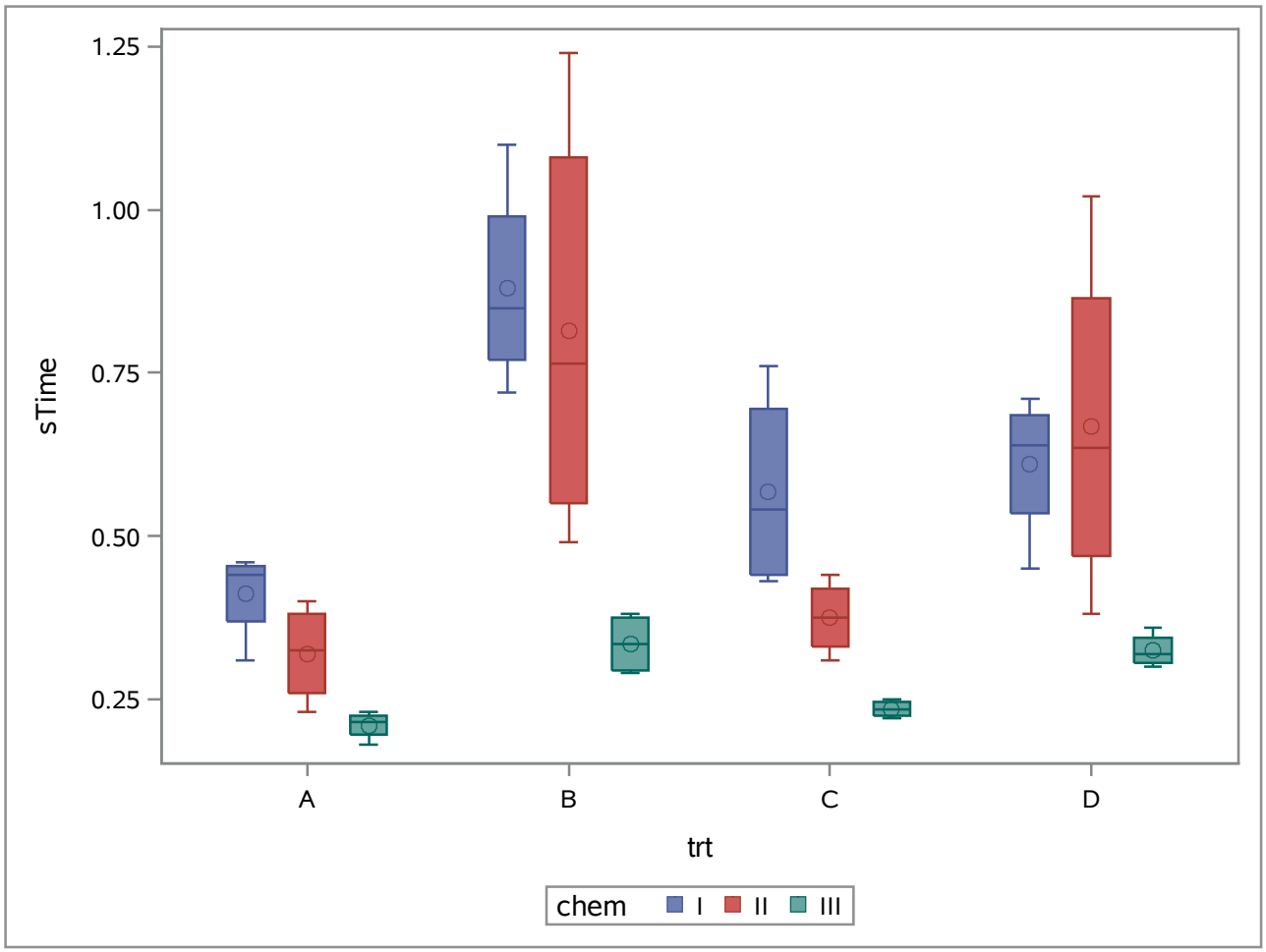

1.25
1.00
0.75
0.50
0.25
sTime
A
B
C
D
trt
chem
I
II
III

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
chem	3	I II III
trt	4	A B C D

Number of Observations Read	48
Number of Observations Used	48

The GLM Procedure

Dependent Variable: sTime

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	2.20435625	0.20039602	9.01	<.0001
Error	36	0.80072500	0.02224236		
Corrected Total	47	3.00508125			

R-Square	Coeff Var	Root MSE	sTime Mean
0.733543	31.11108	0.149139	0.479375

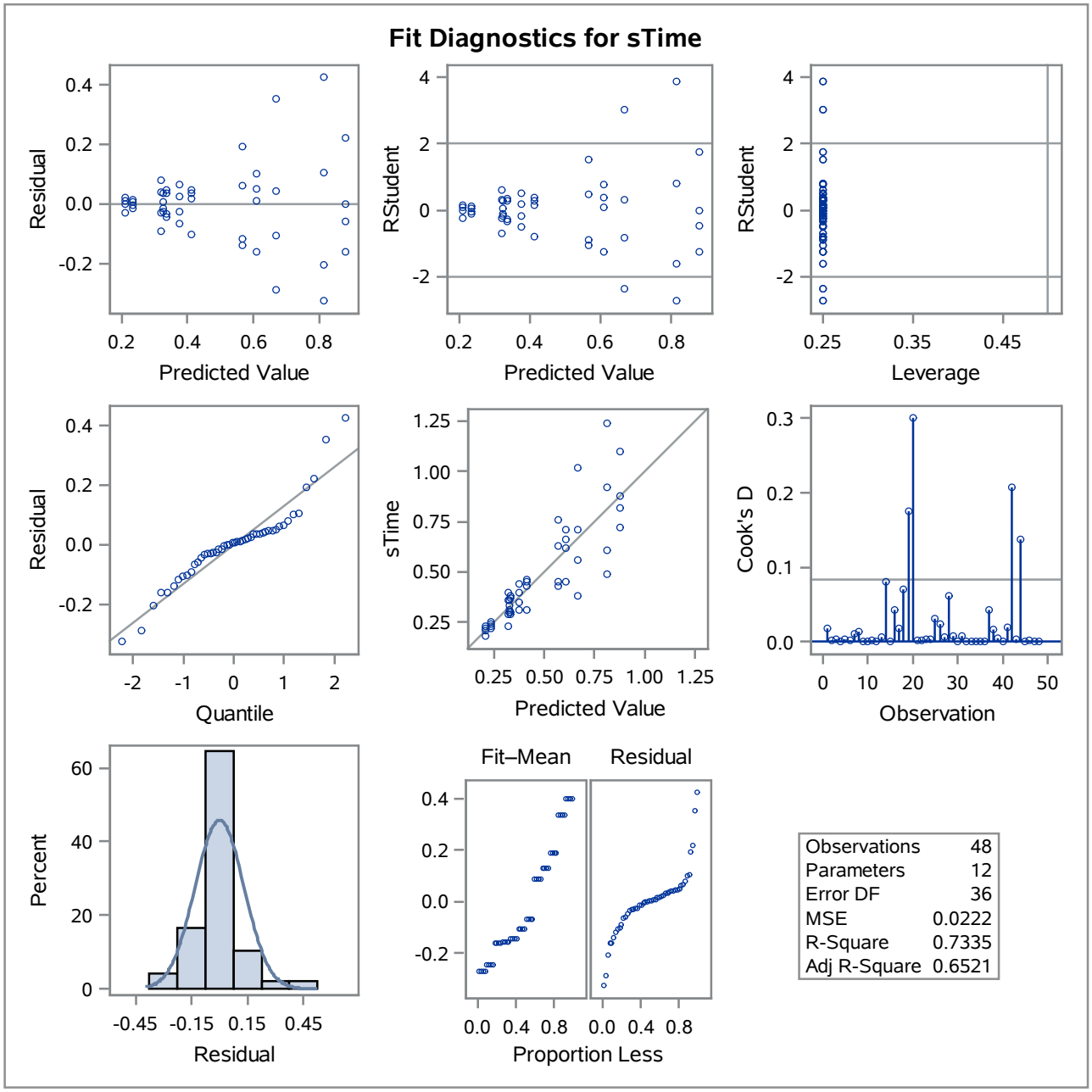
Source	DF	Type III SS	Mean Square	F Value	Pr > F
chem	2	1.03301250	0.51650625	23.22	<.0001
trt	3	0.92120625	0.30706875	13.81	<.0001
chem*trt	6	0.25013750	0.04168958	1.87	0.1123

Parameter	Estimate		Standard Error	t Value	Pr > |t|	95% Confidence Limits	
Intercept	0.3250000000	B	0.07456937	4.36	0.0001	0.1737663171	0.4762336829
chem I	0.2850000000	B	0.10545701	2.70	0.0104	0.0711232745	0.4988767255
chem II	0.3425000000	B	0.10545701	3.25	0.0025	0.1286232745	0.5563767255
chem III	0.0000000000	B	.	.	.	.	.
trt A	-.1150000000	B	0.10545701	-1.09	0.2827	-.3288767255	0.0988767255
trt B	0.0100000000	B	0.10545701	0.09	0.9250	-.2038767255	0.2238767255
trt C	-.0900000000	B	0.10545701	-0.85	0.3991	-.3038767255	0.1238767255
trt D	0.0000000000	B	.	.	.	.	.
chem*trt I A	-.0825000000	B	0.14913873	-0.55	0.5836	-.3849673658	0.2199673658
chem*trt I B	0.2600000000	B	0.14913873	1.74	0.0898	-.0424673658	0.5624673658
chem*trt I C	0.0475000000	B	0.14913873	0.32	0.7519	-.2549673658	0.3499673658
chem*trt I D	0.0000000000	B	.	.	.	.	.
chem*trt II A	-.2325000000	B	0.14913873	-1.56	0.1278	-.5349673658	0.0699673658
chem*trt II B	0.1375000000	B	0.14913873	0.92	0.3627	-.1649673658	0.4399673658
chem*trt II C	-.2025000000	B	0.14913873	-1.36	0.1830	-.5049673658	0.0999673658
chem*trt II D	0.0000000000	B	.	.	.	.	.
chem*trt III A	0.0000000000	B	.	.	.	.	.
chem*trt III B	0.0000000000	B	.	.	.	.	.
chem*trt III C	0.0000000000	B	.	.	.	.	.
chem*trt III D	0.0000000000	B	.	.	.	.	.

The GLM Procedure

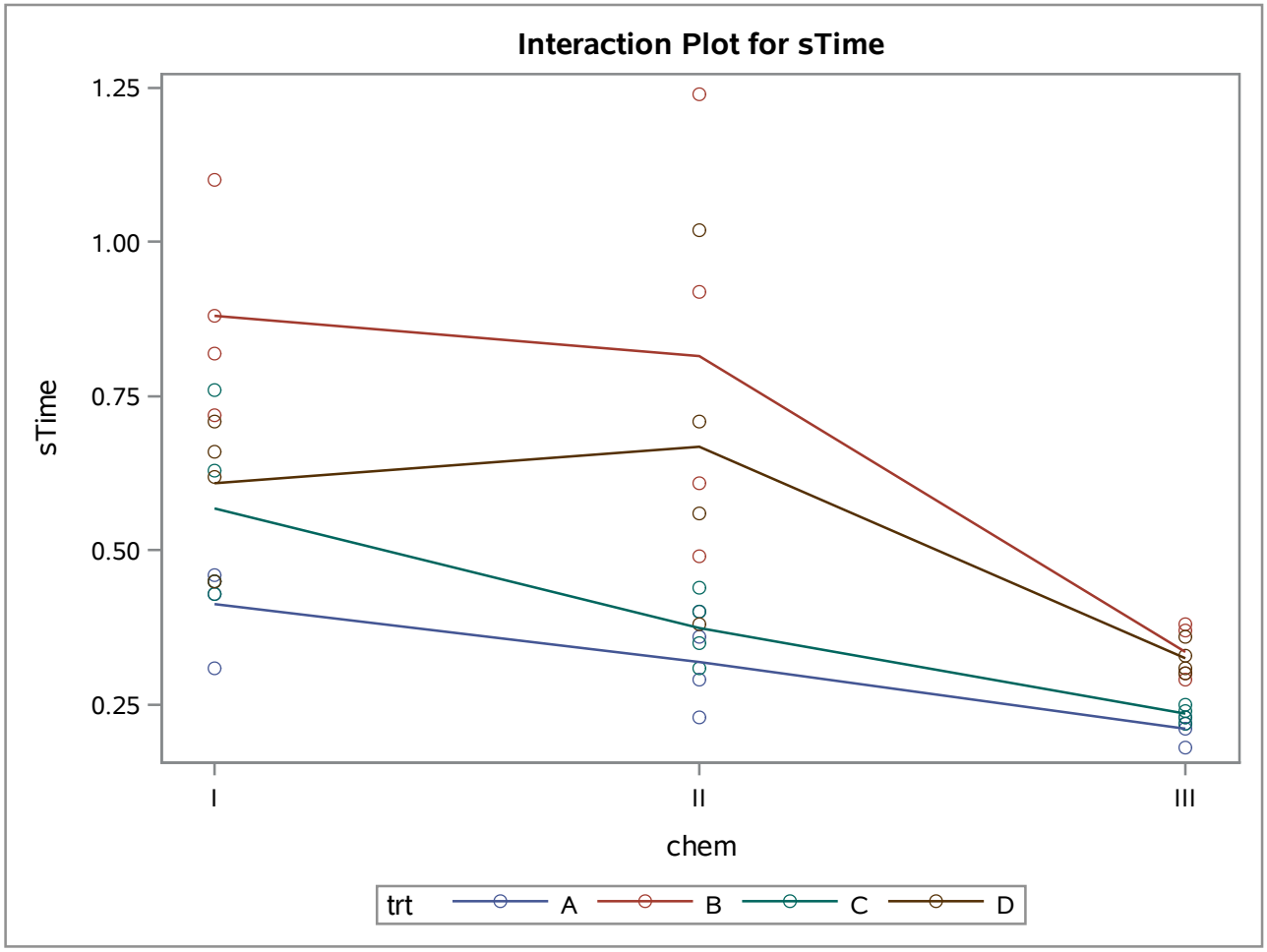
Dependent Variable: sTime

Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.



The GLM Procedure

Dependent Variable: sTime



The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
chem	3	I II III
trt	4	A B C D

Number of Observations Read	48
Number of Observations Used	48

The GLM Procedure

Dependent Variable: recTime

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	56.86218143	5.16928922	21.53	<.0001
Error	36	8.64308307	0.24008564		
Corrected Total	47	65.50526450			

R-Square	Coeff Var	Root MSE	recTime Mean
0.868055	18.68478	0.489985	2.622376

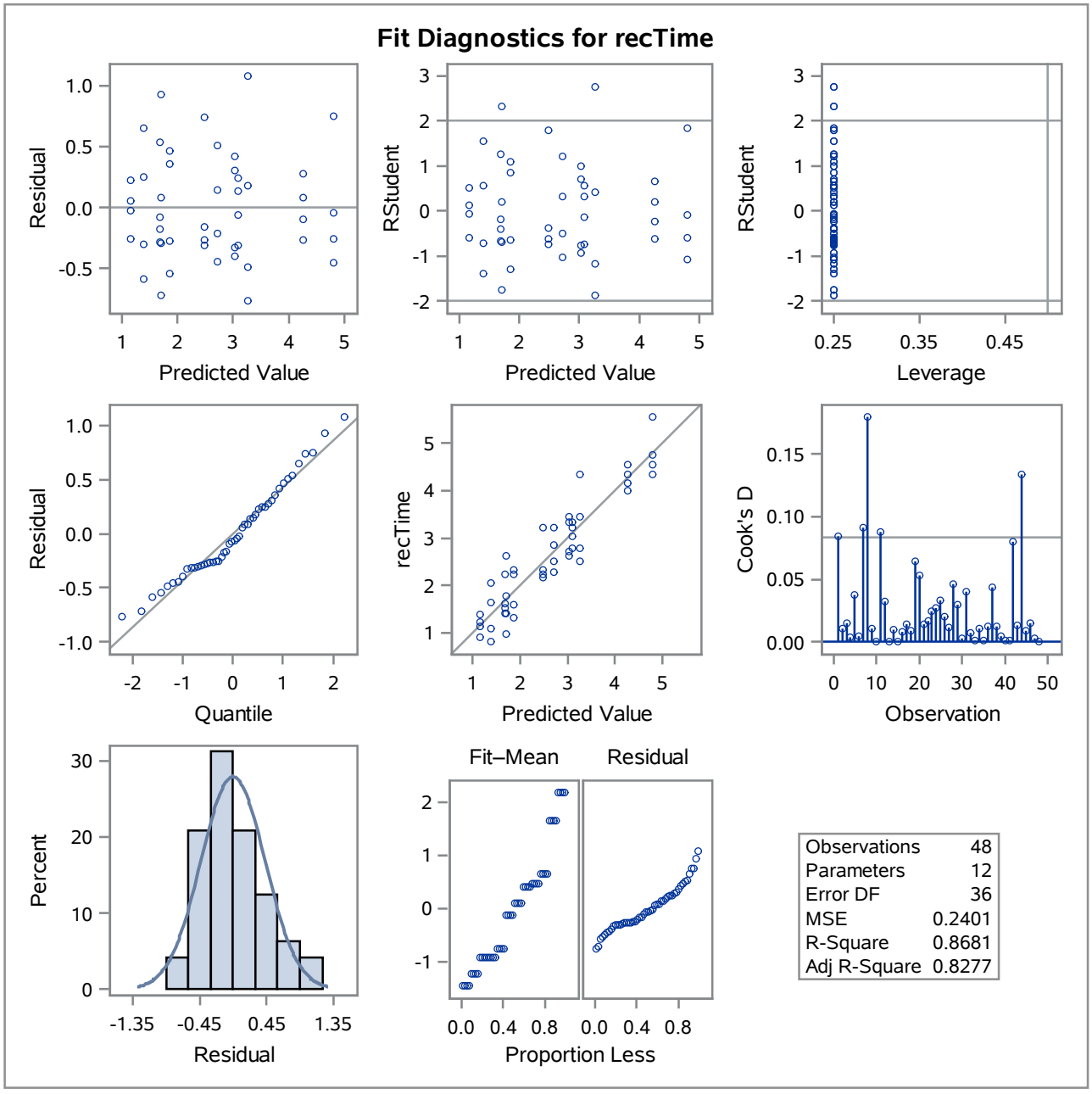
Source	DF	Type III SS	Mean Square	F Value	Pr > F
chem	2	34.87711982	17.43855991	72.63	<.0001
trt	3	20.41428935	6.80476312	28.34	<.0001
chem*trt	6	1.57077226	0.26179538	1.09	0.3867

Parameter	Estimate		Standard Error	t Value	Pr > |t|	95% Confidence Limits	
Intercept	3.091805148	B	0.24499267	12.62	<.0001	2.594936976	3.588673320
chem I	-1.402123231	B	0.34647196	-4.05	0.0003	-2.104800939	-0.699445524
chem II	-1.390271125	B	0.34647196	-4.01	0.0003	-2.092948832	-0.687593417
chem III	0.000000000	B	.	.	.	.	.
trt A	1.710880089	B	0.34647196	4.94	<.0001	1.008202382	2.413557797
trt B	-0.062832437	B	0.34647196	-0.18	0.8571	-0.765510144	0.639845271
trt C	1.173181677	B	0.34647196	3.39	0.0017	0.470503969	1.875859384
trt D	0.000000000	B	.	.	.	.	.
chem*trt I A	-0.913681228	B	0.48998535	-1.86	0.0704	-1.907417572	0.080055116
chem*trt I B	-0.463385573	B	0.48998535	-0.95	0.3506	-1.457121916	0.530350771
chem*trt I C	-1.000139924	B	0.48998535	-2.04	0.0486	-1.993876268	-0.006403580
chem*trt I D	0.000000000	B	.	.	.	.	.
chem*trt II A	-0.143944181	B	0.48998535	-0.29	0.7706	-1.137680525	0.849792163
chem*trt II B	-0.245309406	B	0.48998535	-0.50	0.6197	-1.239045750	0.748426938
chem*trt II C	-0.160796555	B	0.48998535	-0.33	0.7447	-1.154532899	0.832939789
chem*trt II D	0.000000000	B	.	.	.	.	.
chem*trt III A	0.000000000	B	.	.	.	.	.
chem*trt III B	0.000000000	B	.	.	.	.	.
chem*trt III C	0.000000000	B	.	.	.	.	.
chem*trt III D	0.000000000	B	.	.	.	.	.

The GLM Procedure

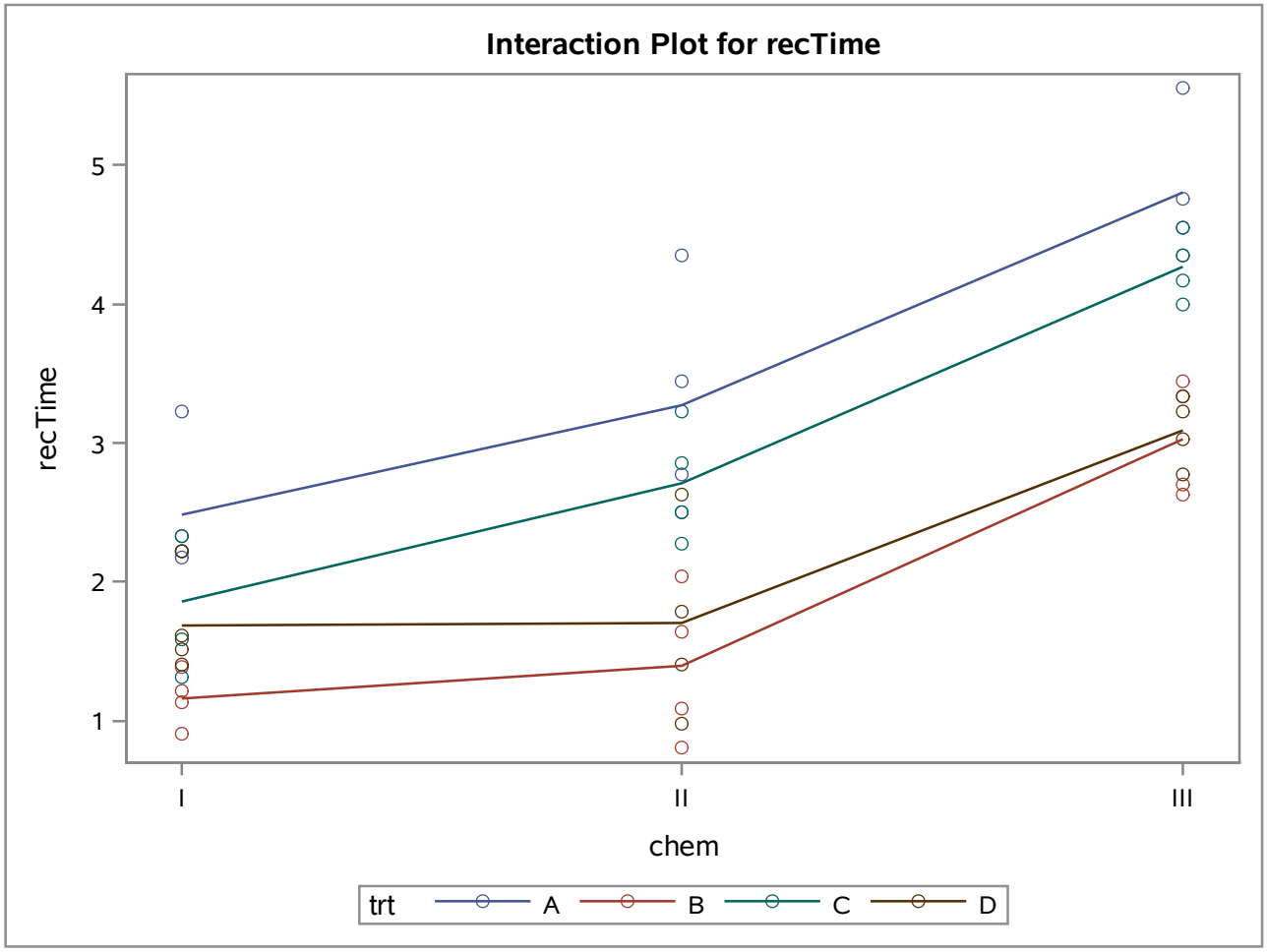
Dependent Variable: recTime

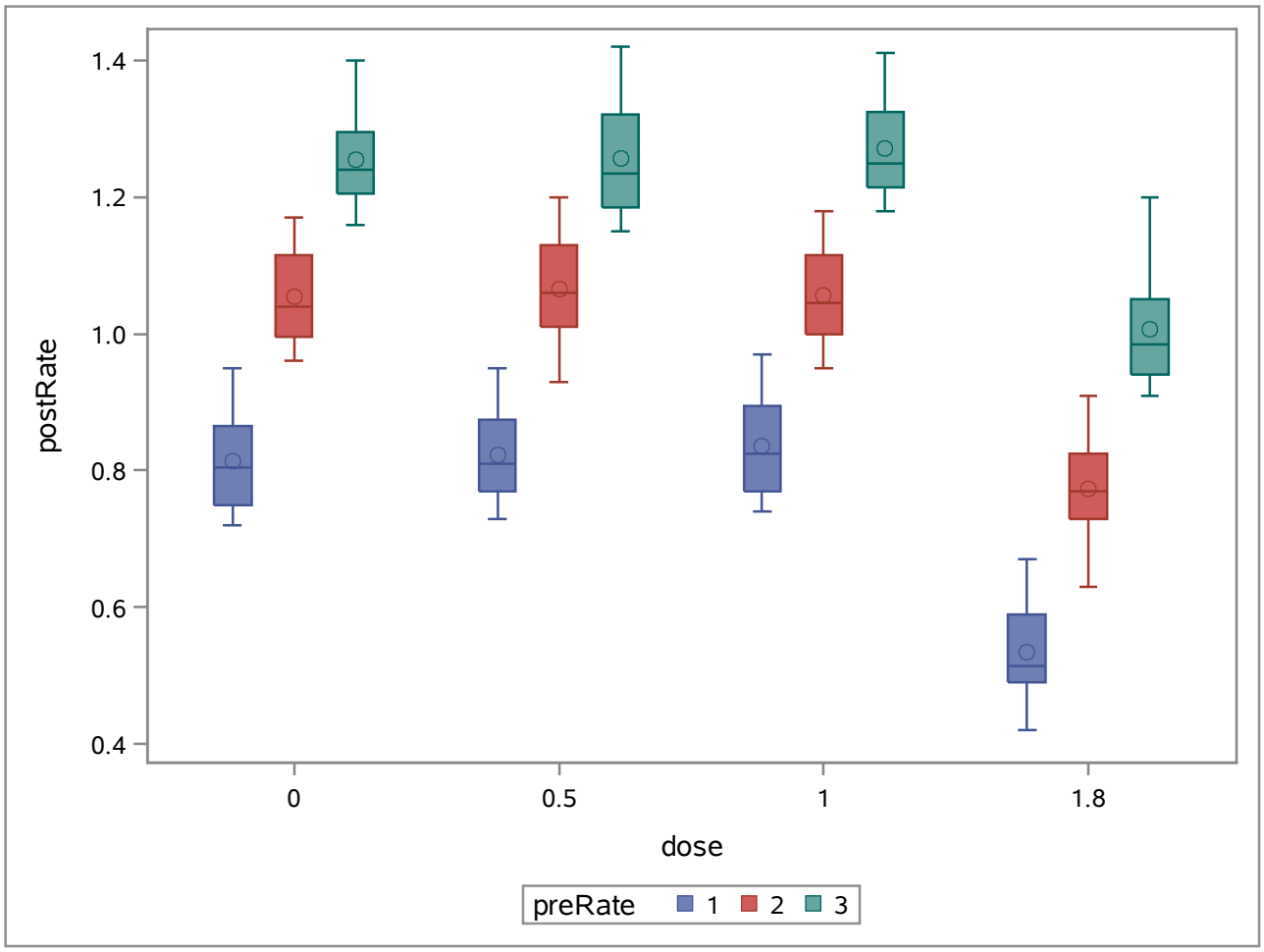
Note: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.



The GLM Procedure

Dependent Variable: recTime




postRate
1.4
1.2
1.0
0.8
0.6
0.4
0
0.5
1
1.8
dose
preRate
1
2
3

The Mixed Procedure

Model Information	
Data Set	WORK.DRUGS
Dependent Variable	postRate
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**
ratID	12	1 10 11 12 2 3 4 5 6 7 8 9
preRate	3	1 2 3
dose	4	0 0.5 1 1.8
rep	2	1 2

Dimensions	
Covariance Parameters	2
Columns in X	20
Columns in Z	12
Subjects	1
Max Obs per Subject	96

Number of Observations	
Number of Observations Read	96
Number of Observations Used	96
Number of Observations Not Used	0

Iteration History			
Iteration	**Evaluations**	**-2 Res Log Like**	**Criterion**
0	1	-158.89839922	
1	1	-237.58325759	0.00000000

Convergence criteria met.

The Mixed Procedure

Covariance Parameter Estimates	
Cov Parm	**Estimate**
ratID	0.005533
Residual	0.001819

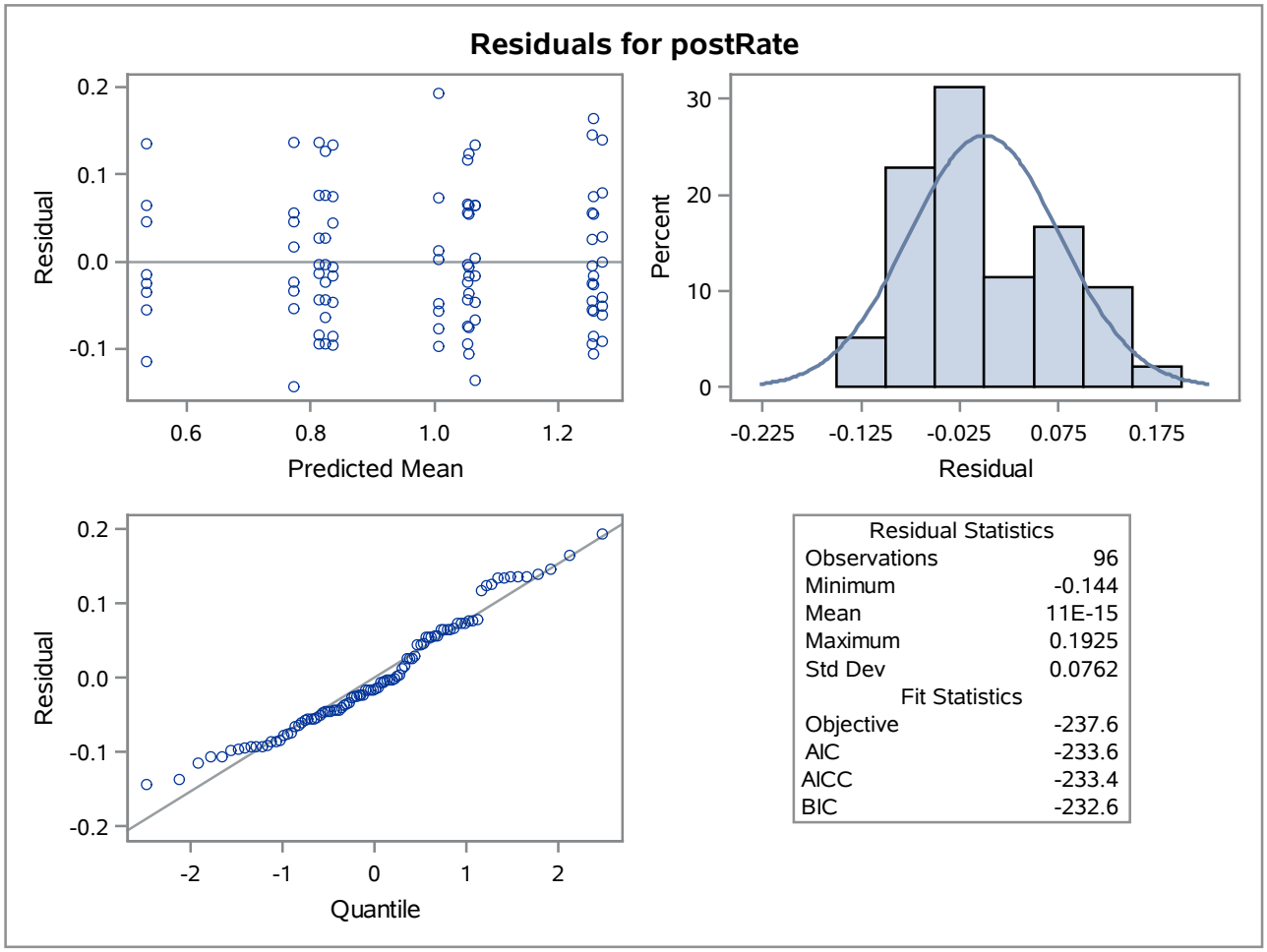
Fit Statistics	
-2 Res Log Likelihood	-237.6
AIC (Smaller is Better)	-233.6
AICC (Smaller is Better)	-233.4
BIC (Smaller is Better)	-232.6

Solution for Fixed Effects

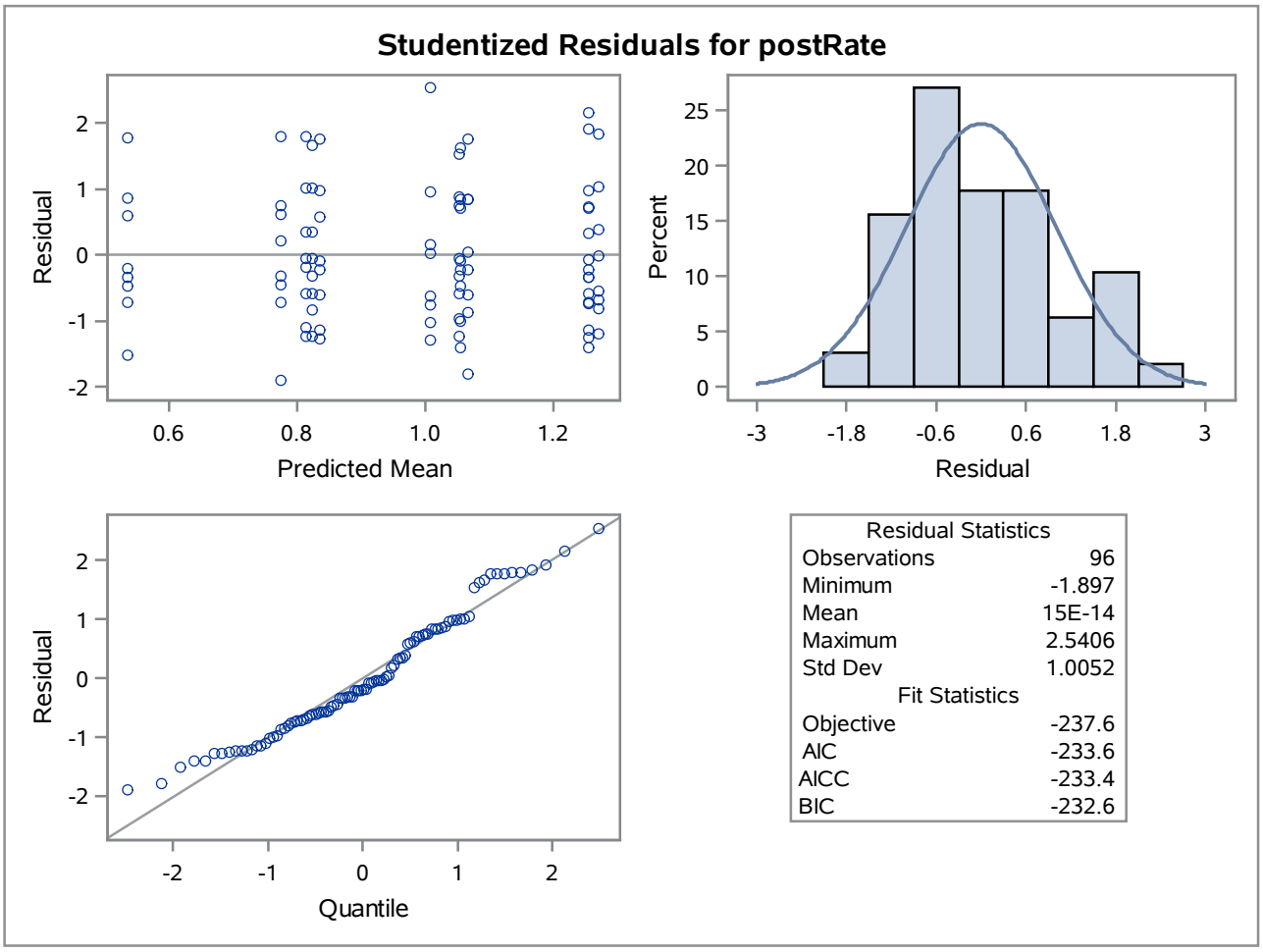
Effect	dose	preRate	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept			1.0075	0.04013	9	25.10	<.0001	0.05	0.9167	1.0983
preRate		1	-0.4725	0.05675	75	-8.33	<.0001	0.05	-0.5856	-0.3594
preRate		2	-0.2337	0.05675	75	-4.12	<.0001	0.05	-0.3468	-0.1207
preRate		3	0	.	.	.	.	.	.	.
dose	0		0.2475	0.02132	75	11.61	<.0001	0.05	0.2050	0.2900
dose	0.5		0.2488	0.02132	75	11.67	<.0001	0.05	0.2063	0.2912
dose	1		0.2638	0.02132	75	12.37	<.0001	0.05	0.2213	0.3062
dose	1.8		0	.	.	.	.	.	.	.
preRate*dose	0	1	0.03125	0.03016	75	1.04	0.3034	0.05	-0.02882	0.09132
preRate*dose	0.5	1	0.04000	0.03016	75	1.33	0.1887	0.05	-0.02007	0.1001
preRate*dose	1	1	0.03750	0.03016	75	1.24	0.2175	0.05	-0.02257	0.09757
preRate*dose	1.8	1	0	.	.	.	.	.	.	.
preRate*dose	0	2	0.03250	0.03016	75	1.08	0.2846	0.05	-0.02757	0.09257
preRate*dose	0.5	2	0.04375	0.03016	75	1.45	0.1510	0.05	-0.01632	0.1038
preRate*dose	1	2	0.01875	0.03016	75	0.62	0.5360	0.05	-0.04132	0.07882
preRate*dose	1.8	2	0	.	.	.	.	.	.	.
preRate*dose	0	3	0	.	.	.	.	.	.	.
preRate*dose	0.5	3	0	.	.	.	.	.	.	.
preRate*dose	1	3	0	.	.	.	.	.	.	.
preRate*dose	1.8	3	0	.	.	.	.	.	.	.

The Mixed Procedure

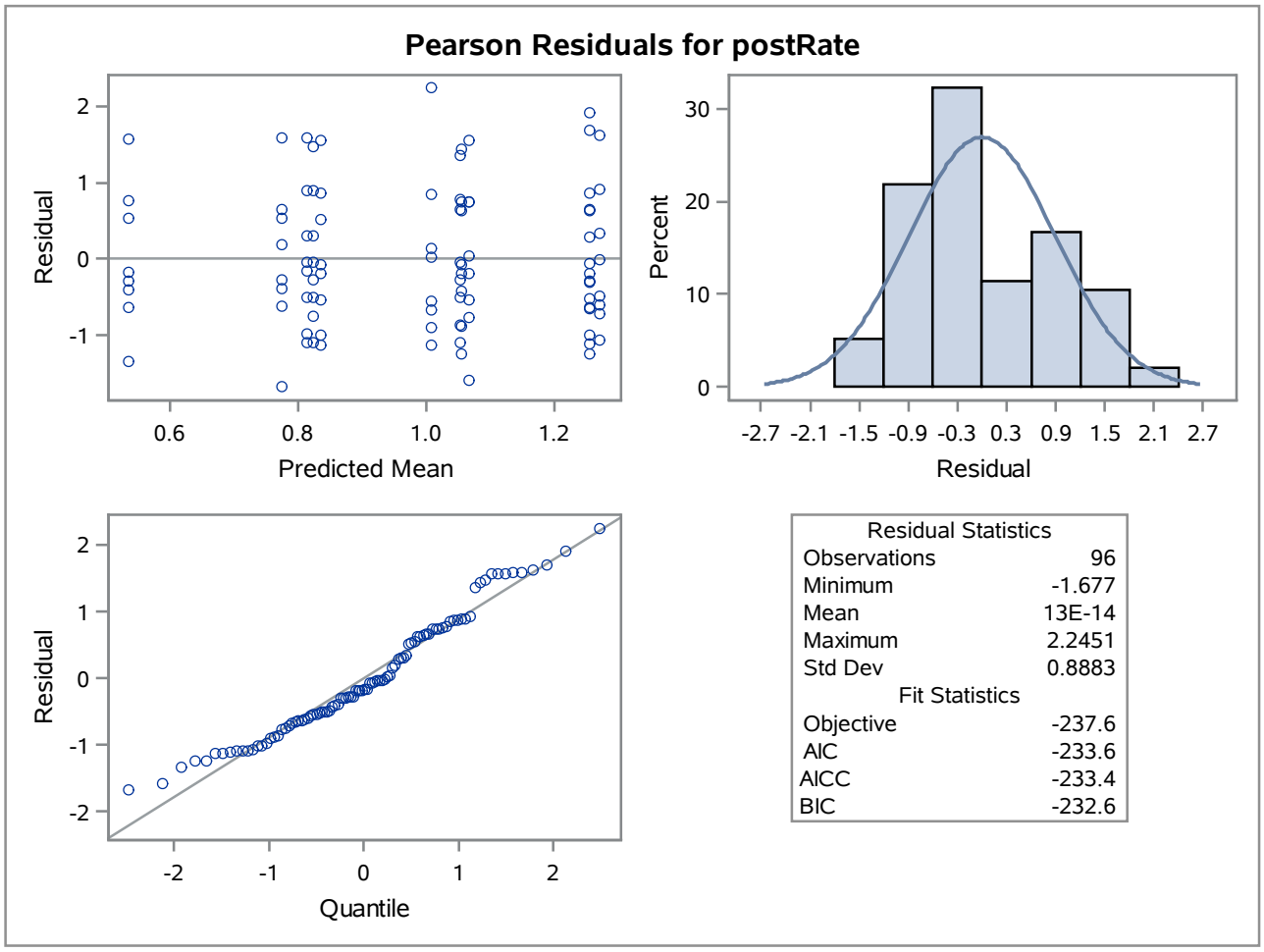
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
preRate	2	75	34.46	<.0001
dose	3	75	251.68	<.0001
preRate*dose	6	75	0.59	0.7378



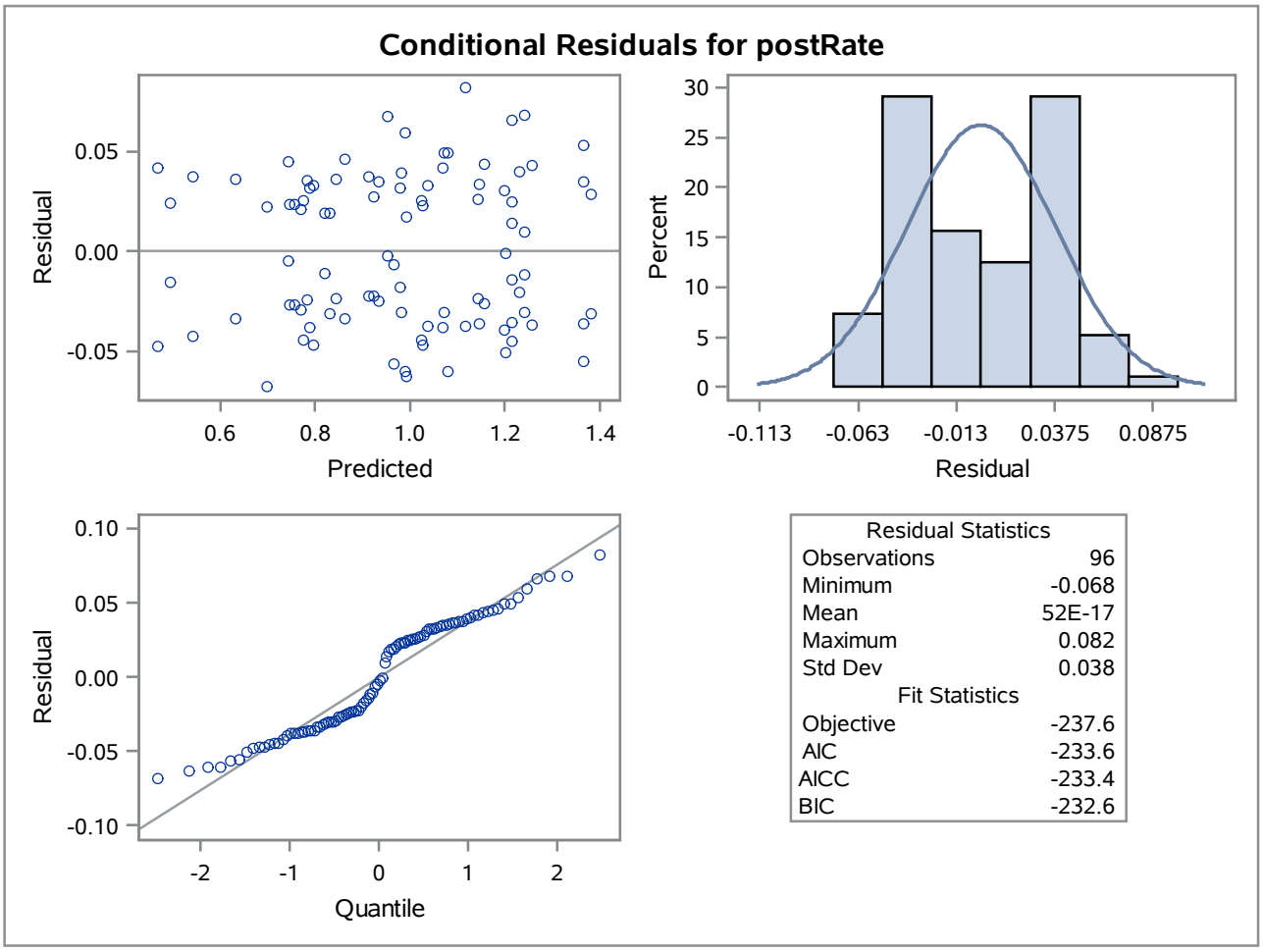
The Mixed Procedure



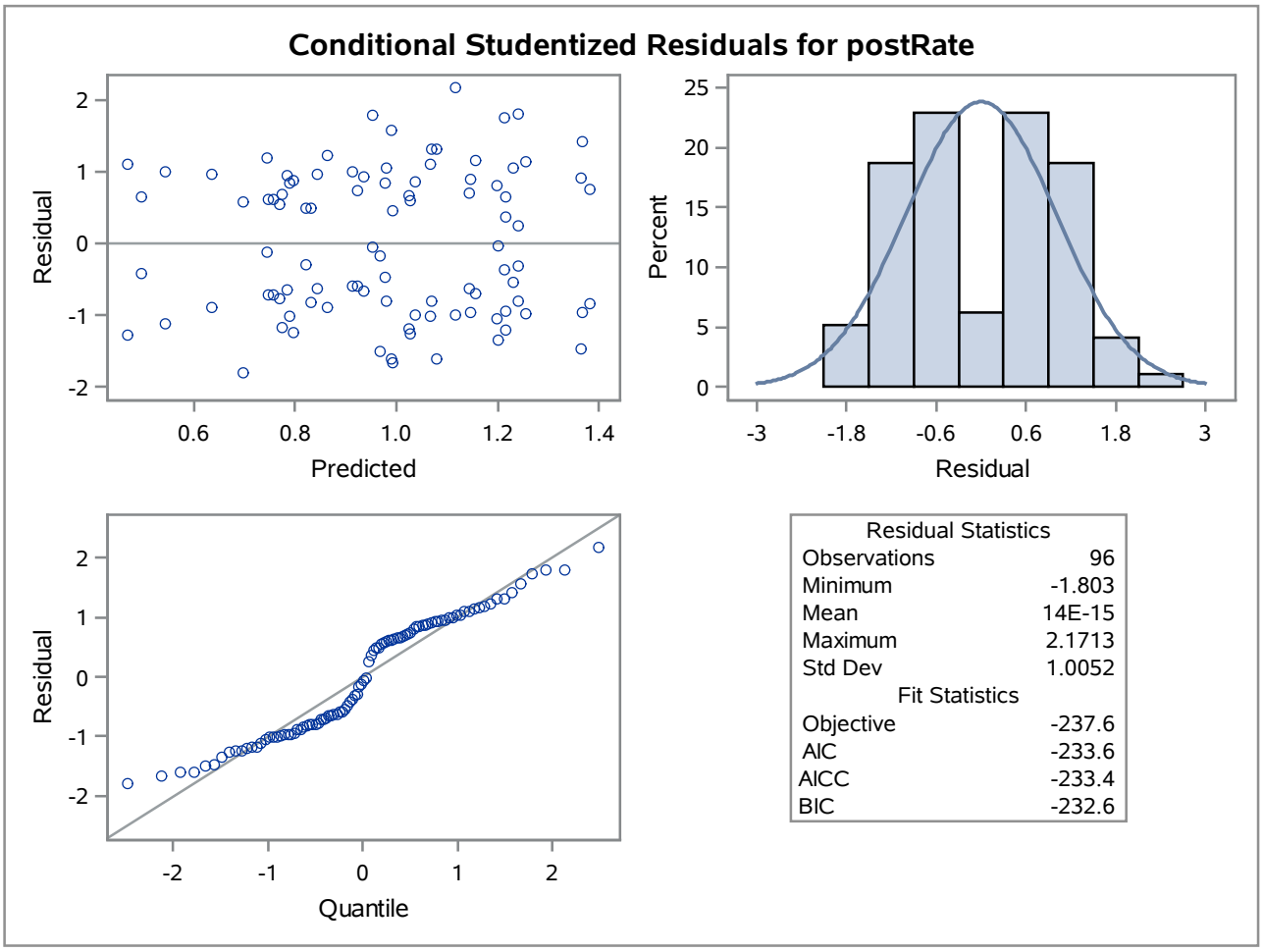
The Mixed Procedure



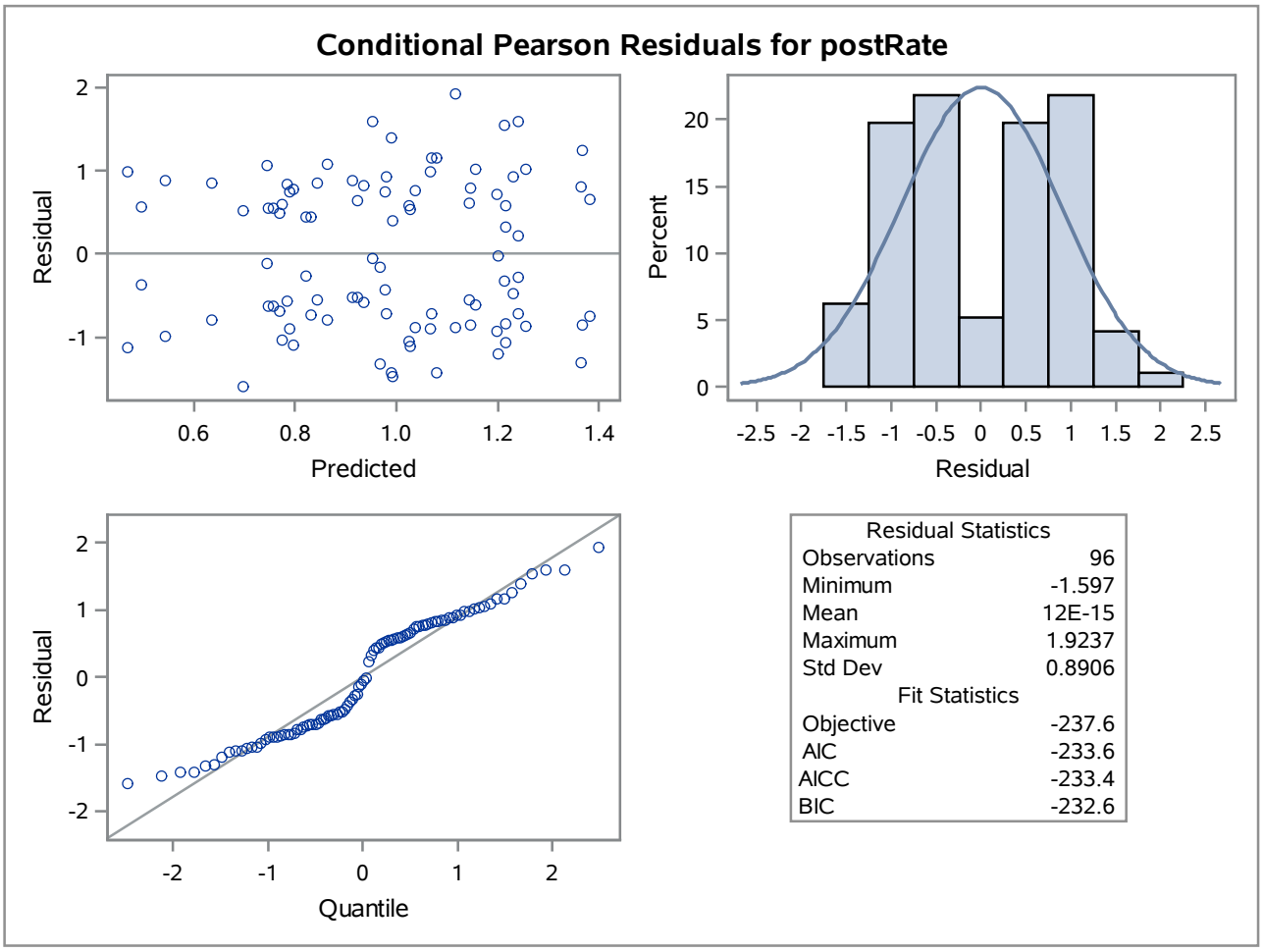
The Mixed Procedure



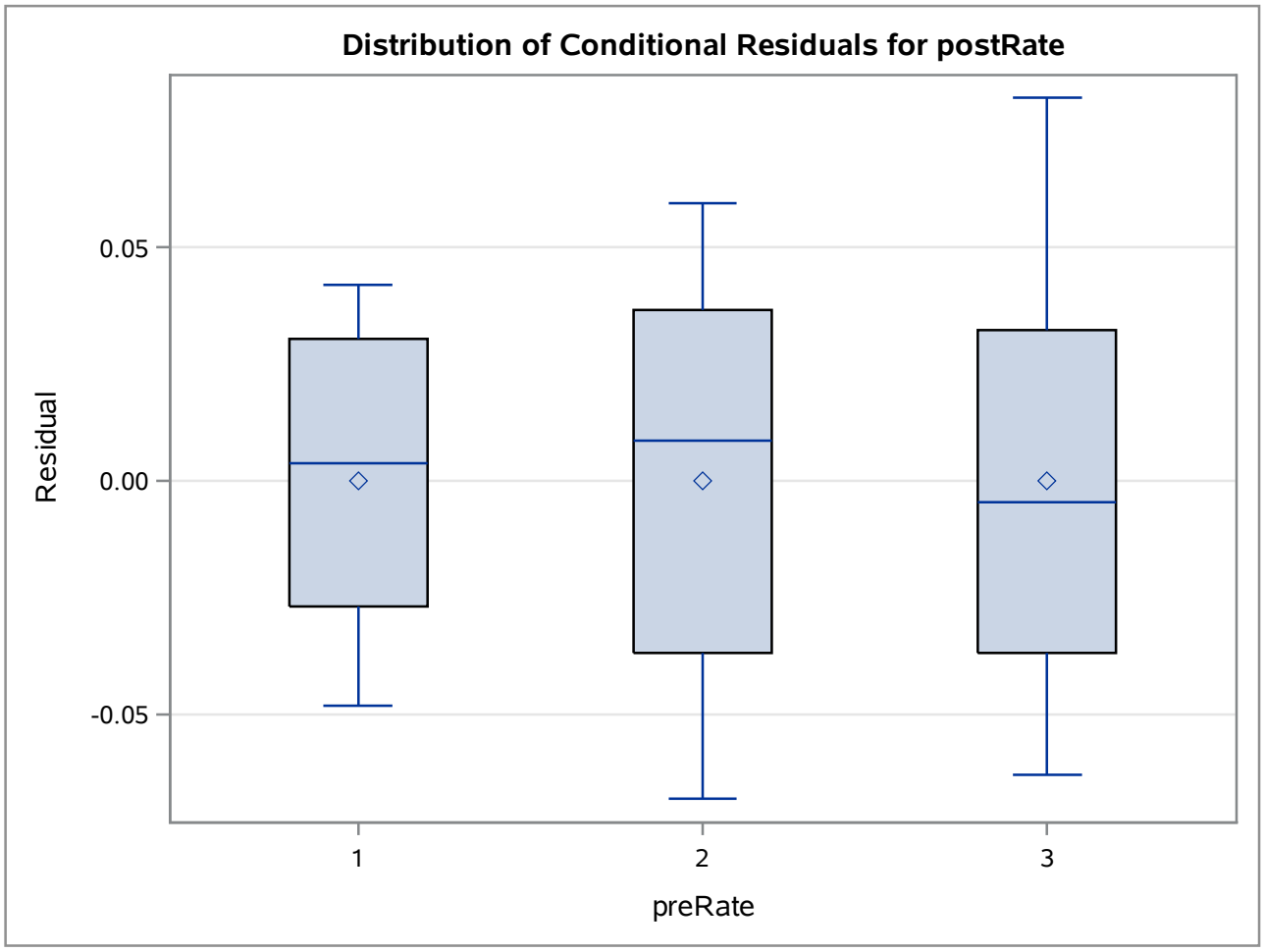
The Mixed Procedure



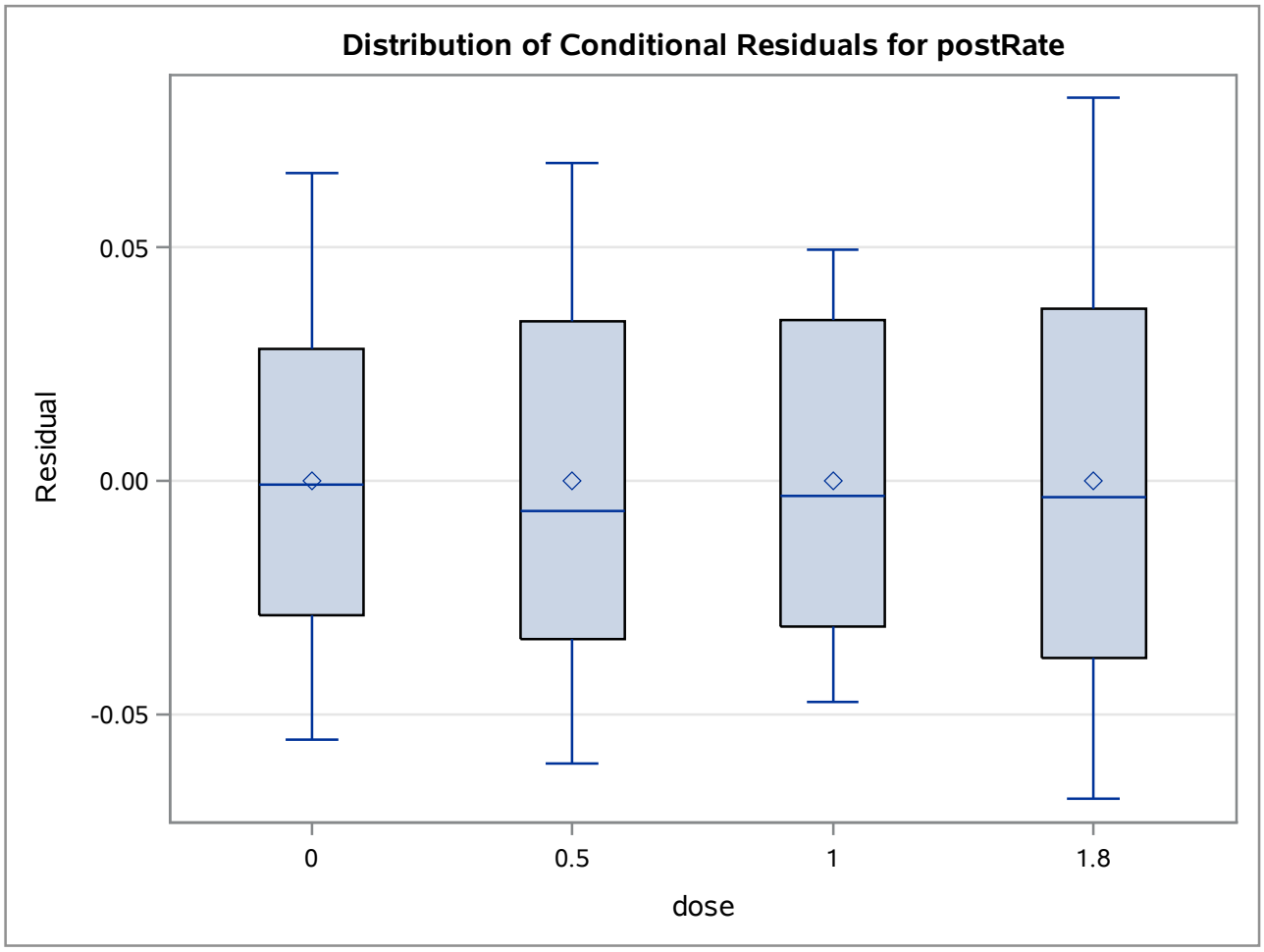
The Mixed Procedure



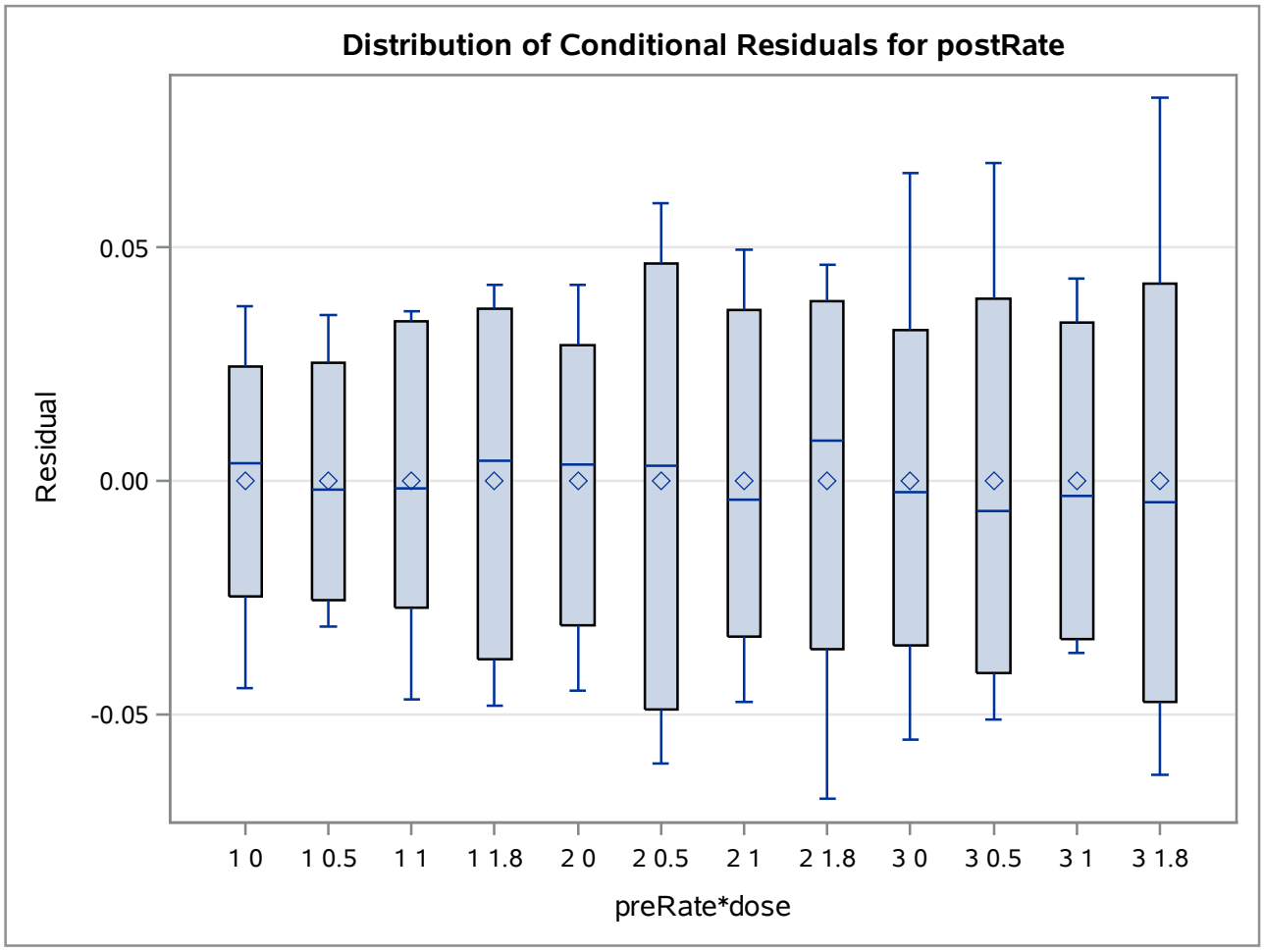
The Mixed Procedure



The Mixed Procedure



The Mixed Procedure



The Mixed Procedure