

The SAS System

The Mixed Procedure

Model Information	
Data Set	WORK.ALM_NOMD
Dependent Variable	total
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
Treatment	5	NowBiolure Ppo PpoCombo StopNow StopNowCombo
Rep	8	1 2 3 4 5 6 7 8

Dimensions	
Covariance Parameters	2
Columns in X	6
Columns in Z	8
Subjects	1
Max Obs per Subject	39

Number of Observations	
Number of Observations Read	39
Number of Observations Used	39
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	360.71467821	
1	2	357.49771829	0.00000033
2	1	357.49766869	0.00000000

Convergence criteria met.

Covariance Parameter Estimates	

Cov Parm	Estimate
Rep	438.63
Residual	1307.79

Fit Statistics	
-2 Res Log Likelihood	357.5
AIC (Smaller is Better)	361.5
AICC (Smaller is Better)	361.9
BIC (Smaller is Better)	361.7

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Treatment	4	27	20.11	<.0001

Least Squares Means						
Effect	Treatment	Estimate	Standard Error	DF	t Value	Pr > t
Treatment	NowBiolure	199.62	14.7751	27	13.51	<.0001
Treatment	Ppo	155.75	14.7751	27	10.54	<.0001
Treatment	PpoCombo	278.87	14.7751	27	18.87	<.0001
Treatment	StopNow	134.22	15.6525	27	8.58	<.0001
Treatment	StopNowCombo	235.87	14.7751	27	15.96	<.0001

Differences of Least Squares Means									
Effect	Treatment	_Treatment	Estimate	Standard Error	DF	t Value	Pr > t	Adjustment	Adj P
Treatment	NowBiolure	Ppo	43.8750	18.0817	27	2.43	0.0222	Tukey-Kramer	0.1388
Treatment	NowBiolure	PpoCombo	-79.2500	18.0817	27	-4.38	0.0002	Tukey-Kramer	0.0014
Treatment	NowBiolure	StopNow	65.4025	18.8055	27	3.48	0.0017	Tukey-Kramer	0.0137
Treatment	NowBiolure	StopNowCombo	-36.2500	18.0817	27	-2.00	0.0551	Tukey-Kramer	0.2908
Treatment	Ppo	PpoCombo	-123.13	18.0817	27	-6.81	<.0001	Tukey-Kramer	<.0001
Treatment	Ppo	StopNow	21.5275	18.8055	27	1.14	0.2624	Tukey-Kramer	0.7816
Treatment	Ppo	StopNowCombo	-80.1250	18.0817	27	-4.43	0.0001	Tukey-Kramer	0.0012
Treatment	PpoCombo	StopNow	144.65	18.8055	27	7.69	<.0001	Tukey-Kramer	<.0001

Treatment	PpoCombo	StopNowCombo	43.0000	18.0817	27	2.38	0.0247	Tukey-Kramer	0.1522
Treatment	StopNow	StopNowCombo	-101.65	18.8055	27	-5.41	<.0001	Tukey-Kramer	<.0001

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Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
Treatment	5	NowBiolure Ppo PpoCombo StopNow StopNowCombo
Rep	8	1 2 3 4 5 6 7 8

Dimensions	
Covariance Parameters	2
Columns in X	6
Columns in Z	8
Subjects	1
Max Obs per Subject	39

Number of Observations	
Number of Observations Read	39
Number of Observations Used	39
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	360.71467821	
1	2	357.49771829	0.00000033
2	1	357.49766869	0.00000000

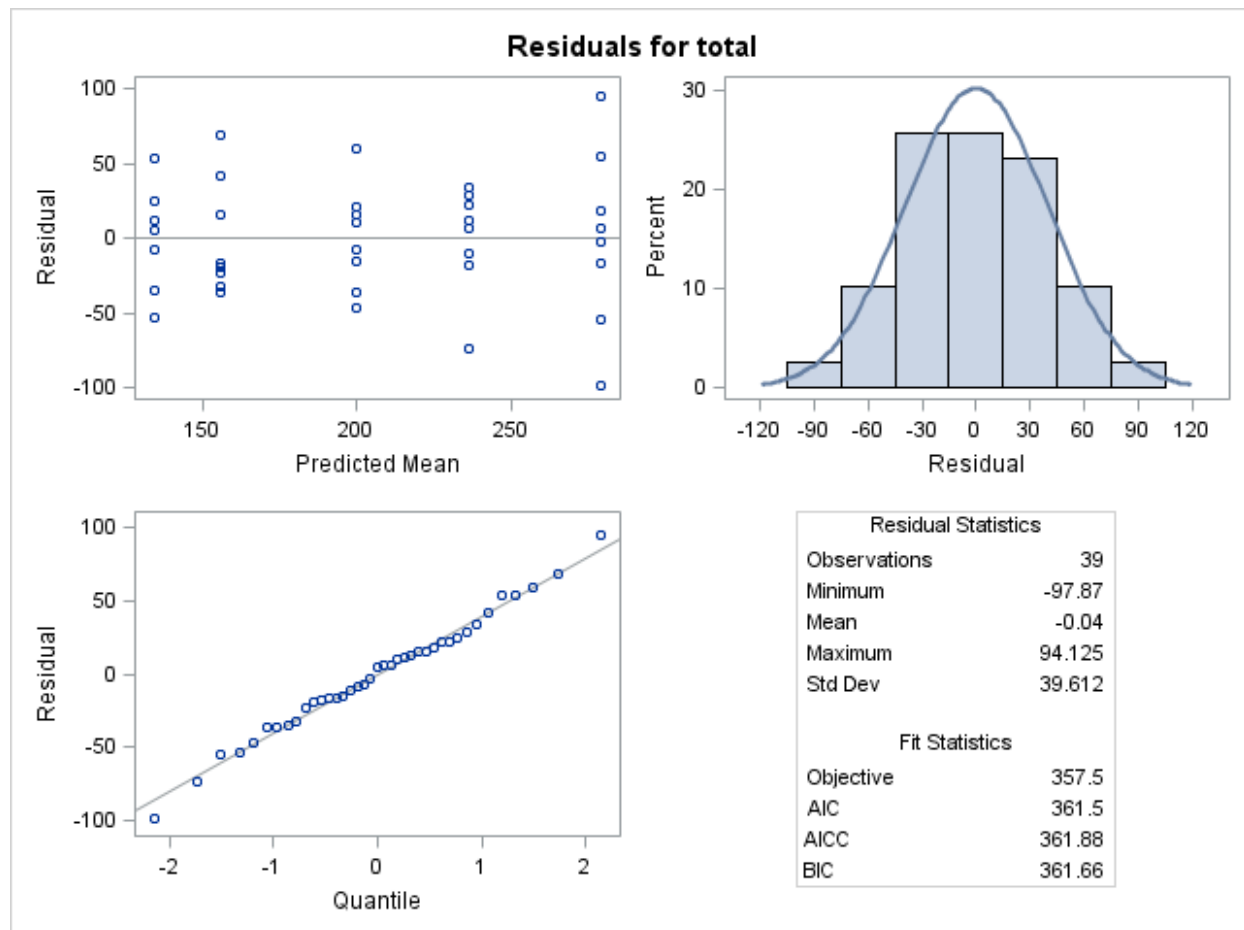
Convergence criteria met.

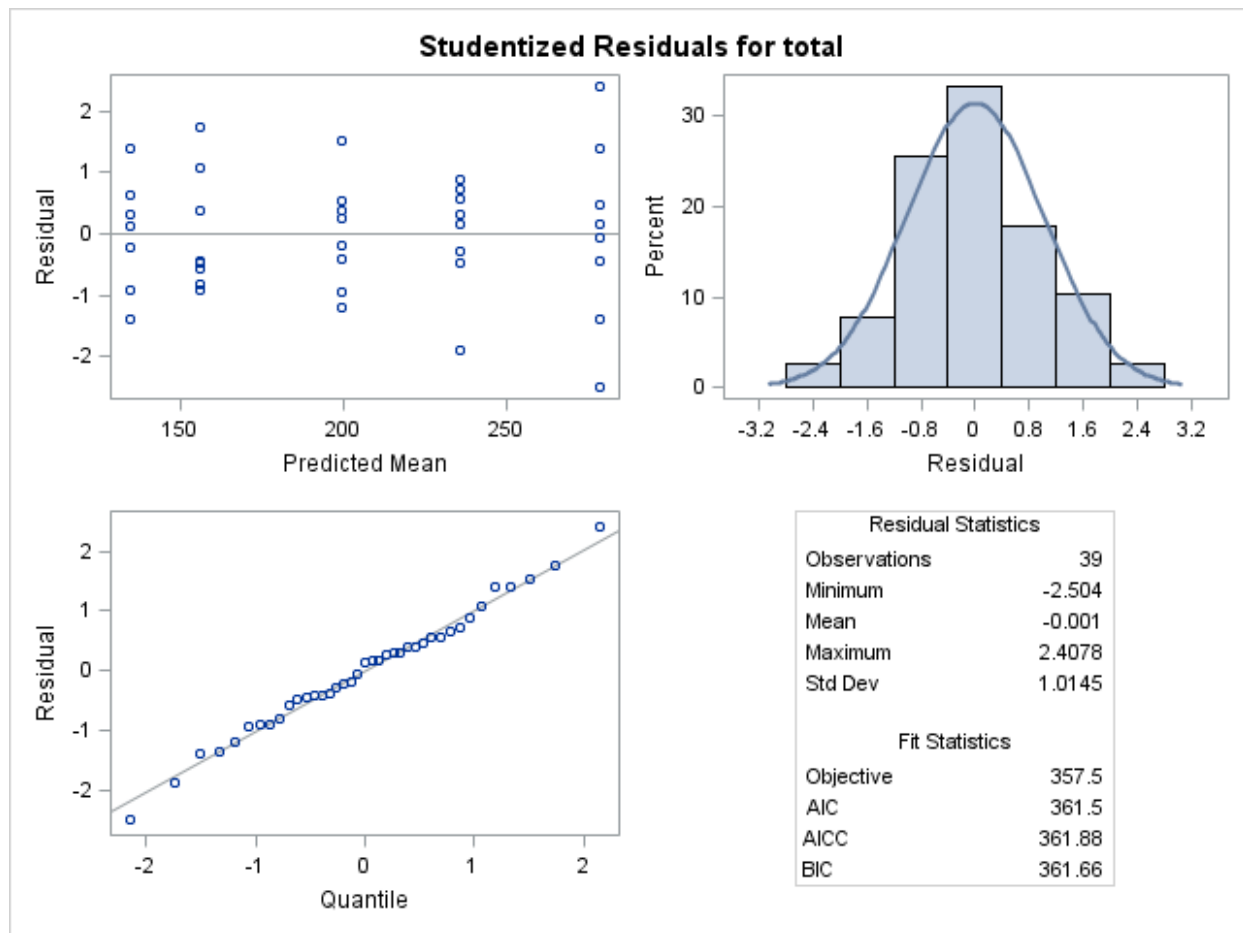
Covariance Parameter Estimates

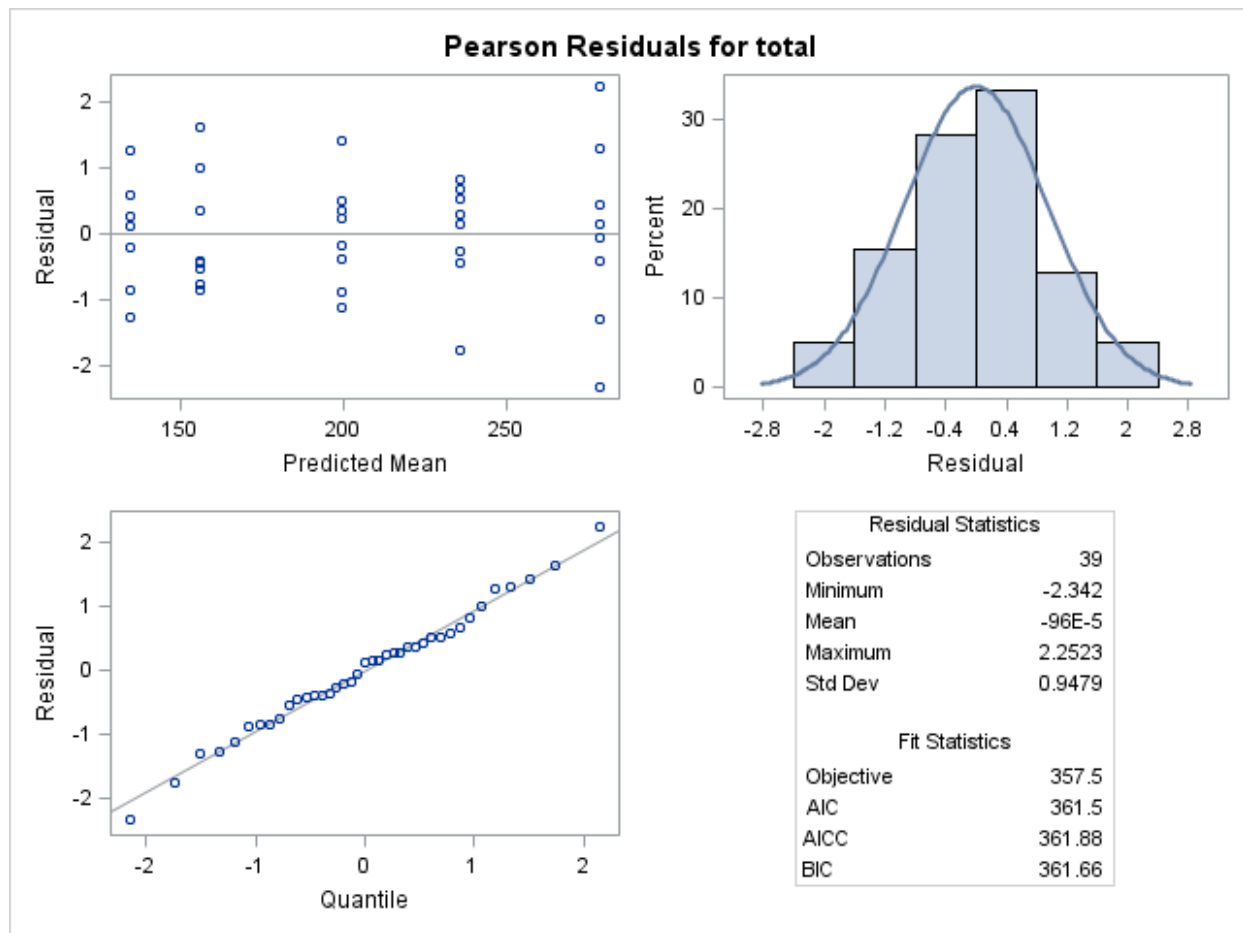
Cov Parm	Estimate
Rep	438.63
Residual	1307.79

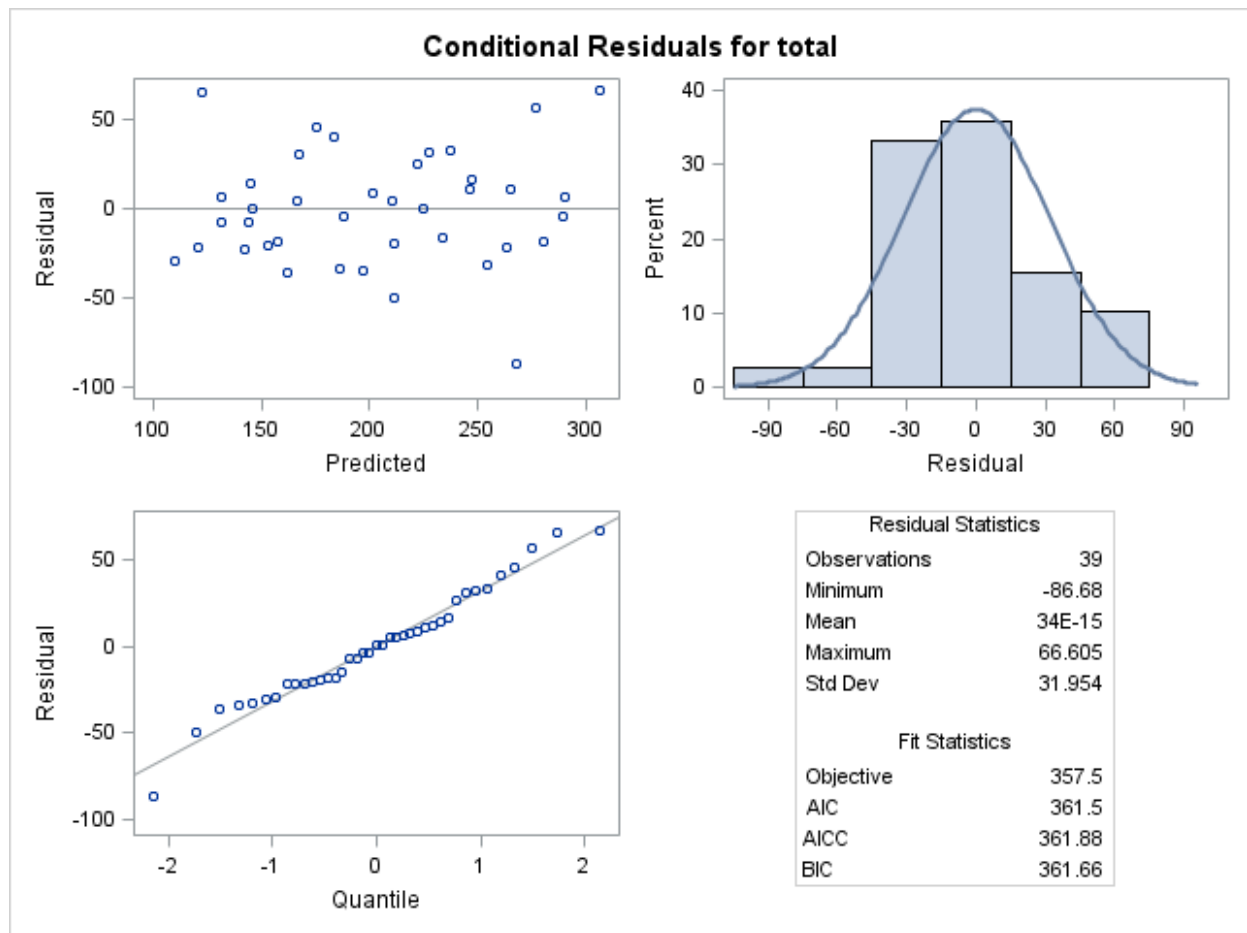
Fit Statistics	
-2 Res Log Likelihood	357.5
AIC (Smaller is Better)	361.5
AICC (Smaller is Better)	361.9
BIC (Smaller is Better)	361.7

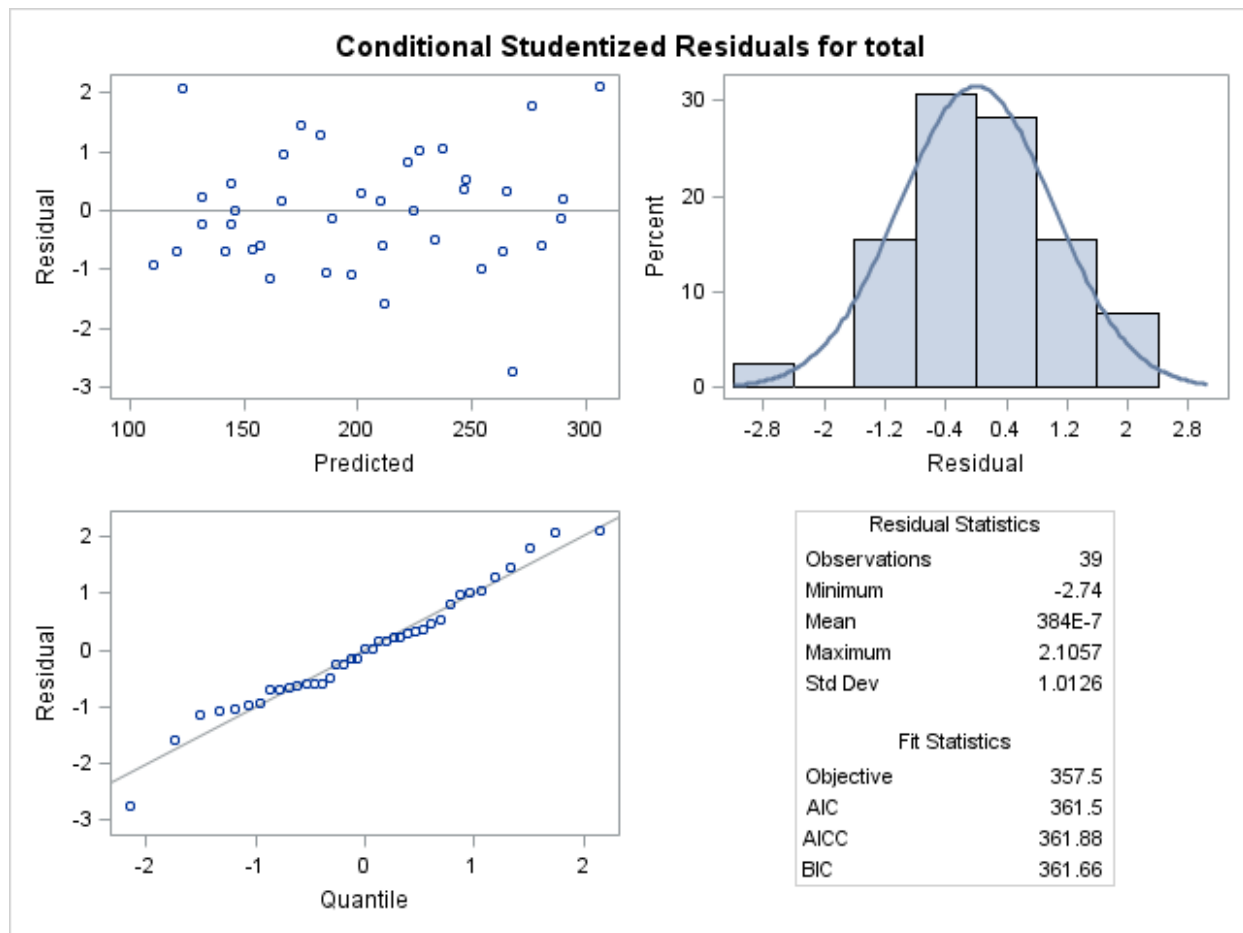
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Treatment	4	27	20.11	<.0001

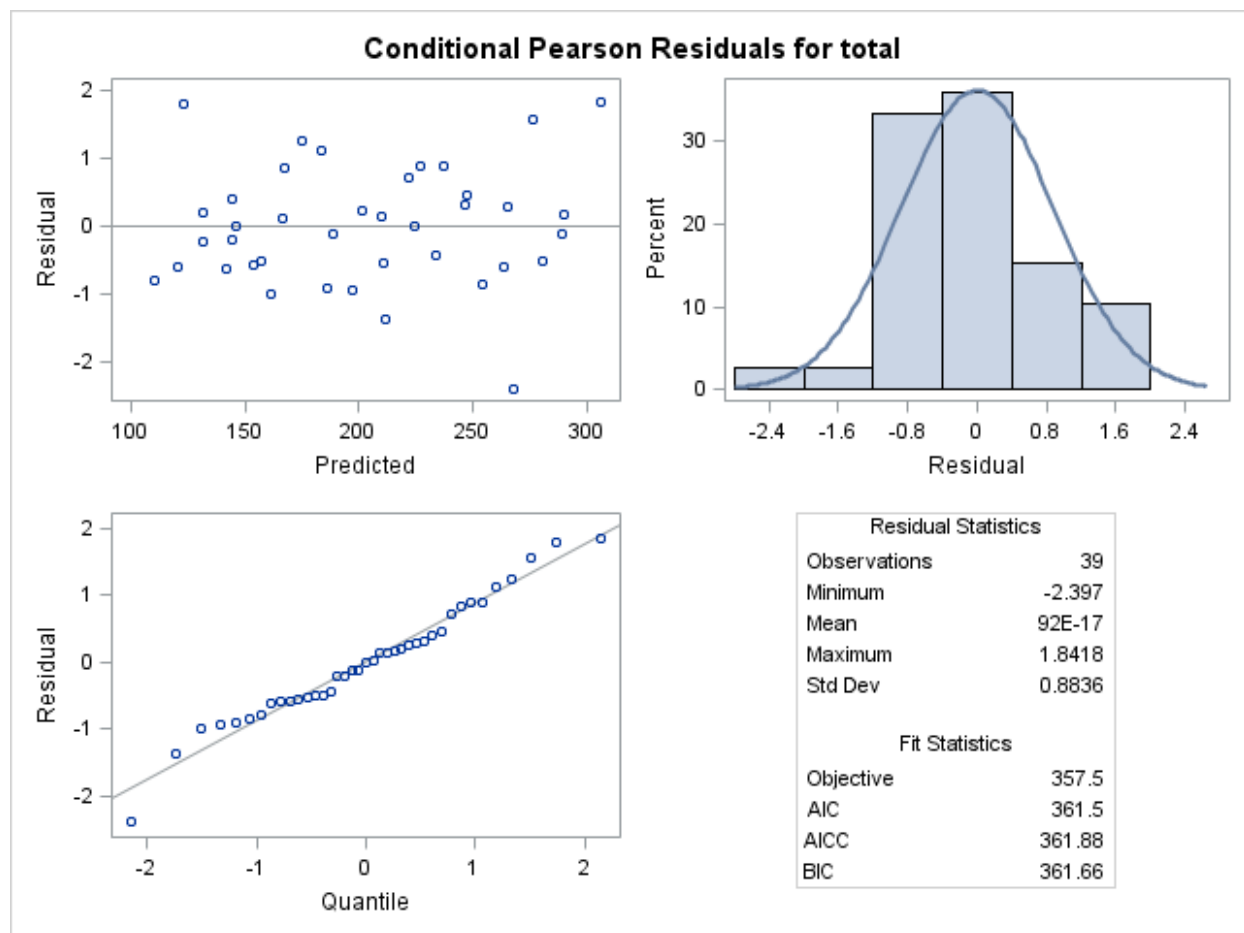












The SAS System

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Model Information	
Data Set	WORK.PI_MD
Dependent Variable	total
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
Treatment	5	NowBiolure Ppo PpoCombo StopNow StopNowCombo
Rep	8	1 2 3 4 5 6 7 8

Dimensions	
Covariance Parameters	2
Columns in X	6
Columns in Z	8
Subjects	1
Max Obs per Subject	37

Number of Observations	
Number of Observations Read	37
Number of Observations Used	37
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	290.34498239	
1	2	289.73499363	0.00000006
2	1	289.73498684	0.00000000

Convergence criteria met.

Covariance Parameter Estimates

Cov Parm	Estimate
Rep	39.8494
Residual	333.49

Fit Statistics	
-2 Res Log Likelihood	289.7
AIC (Smaller is Better)	293.7
AICC (Smaller is Better)	294.1
BIC (Smaller is Better)	293.9

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Treatment	4	25	7.89	0.0003

Least Squares Means						
Effect	Treatment	Estimate	Standard Error	DF	t Value	Pr > t
Treatment	NowBiolure	40.0000	6.8314	25	5.86	<.0001
Treatment	Ppo	48.1250	6.8314	25	7.04	<.0001
Treatment	PpoCombo	75.9735	7.2902	25	10.42	<.0001
Treatment	StopNow	29.5198	7.8568	25	3.76	0.0009
Treatment	StopNowCombo	68.8750	6.8314	25	10.08	<.0001

Differences of Least Squares Means									
Effect	Treatment	_Treatment	Estimate	Standard Error	DF	t Value	Pr > t	Adjustment	Adj P
Treatment	NowBiolure	Ppo	-8.1250	9.1309	25	-0.89	0.3820	Tukey-Kramer	0.8980
Treatment	NowBiolure	PpoCombo	-35.9735	9.4790	25	-3.80	0.0008	Tukey-Kramer	0.0068
Treatment	NowBiolure	StopNow	10.4802	9.9214	25	1.06	0.3009	Tukey-Kramer	0.8266
Treatment	NowBiolure	StopNowCombo	-28.8750	9.1309	25	-3.16	0.0041	Tukey-Kramer	0.0303
Treatment	Ppo	PpoCombo	-27.8485	9.4790	25	-2.94	0.0070	Tukey-Kramer	0.0499
Treatment	Ppo	StopNow	18.6052	9.9214	25	1.88	0.0725	Tukey-Kramer	0.3558
Treatment	Ppo	StopNowCombo	-20.7500	9.1309	25	-2.27	0.0319	Tukey-Kramer	0.1871
Treatment	PpoCombo	StopNow	46.4537	10.1915	25	4.56	0.0001	Tukey-Kramer	0.0010

Treatment	PpoCombo	StopNowCombo	7.0985	9.4790	25	0.75	0.4609	Tukey-Kramer	0.9426
Treatment	StopNow	StopNowCombo	-39.3552	9.9214	25	-3.97	0.0005	Tukey-Kramer	0.0045

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Dependent Variable	total
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
Treatment	5	NowBiolure Ppo PpoCombo StopNow StopNowCombo
Rep	8	1 2 3 4 5 6 7 8

Dimensions	
Covariance Parameters	2
Columns in X	6
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Subjects	1
Max Obs per Subject	37

Number of Observations	
Number of Observations Read	37
Number of Observations Used	37
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	290.34498239	
1	2	289.73499363	0.00000006
2	1	289.73498684	0.00000000

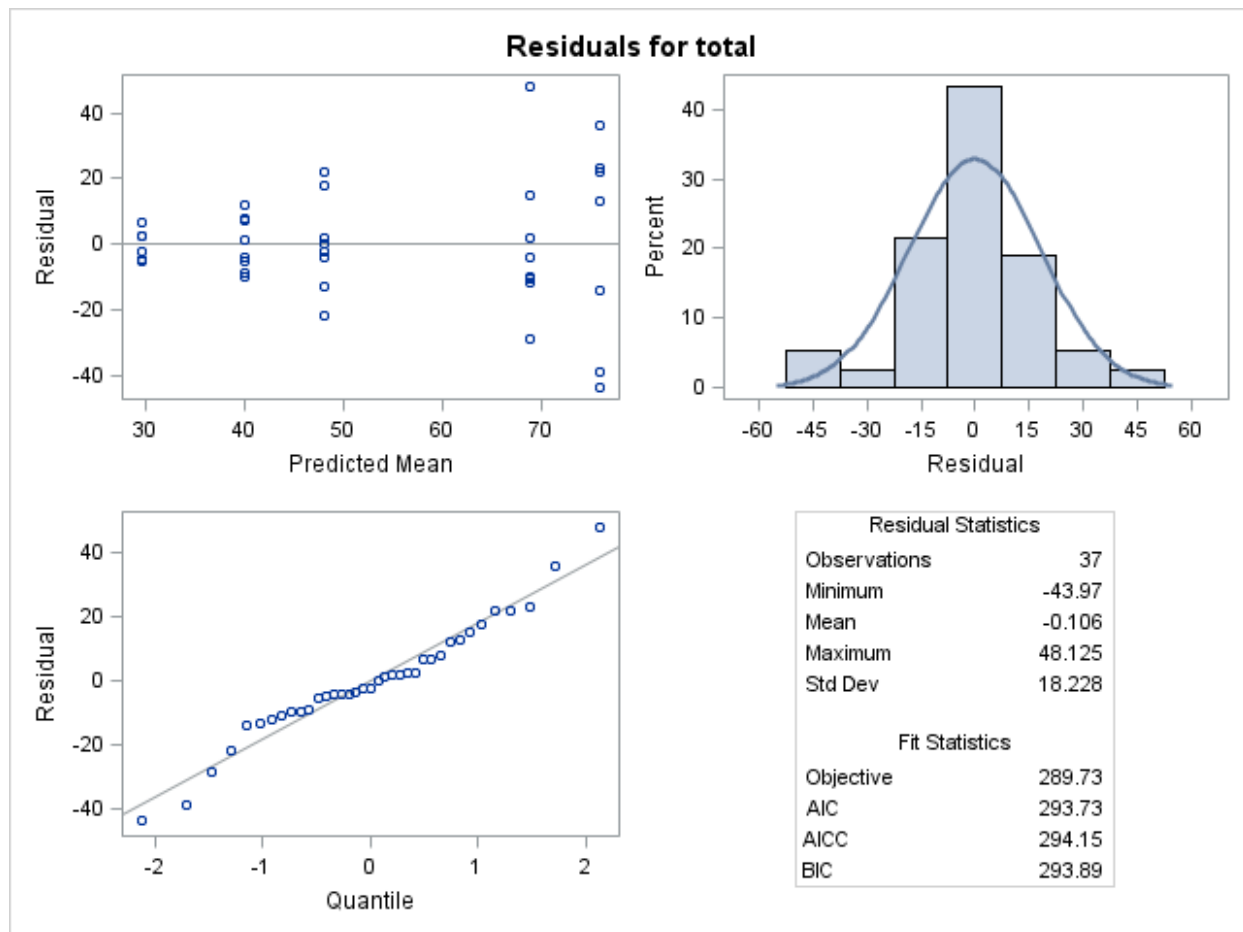
Convergence criteria met.

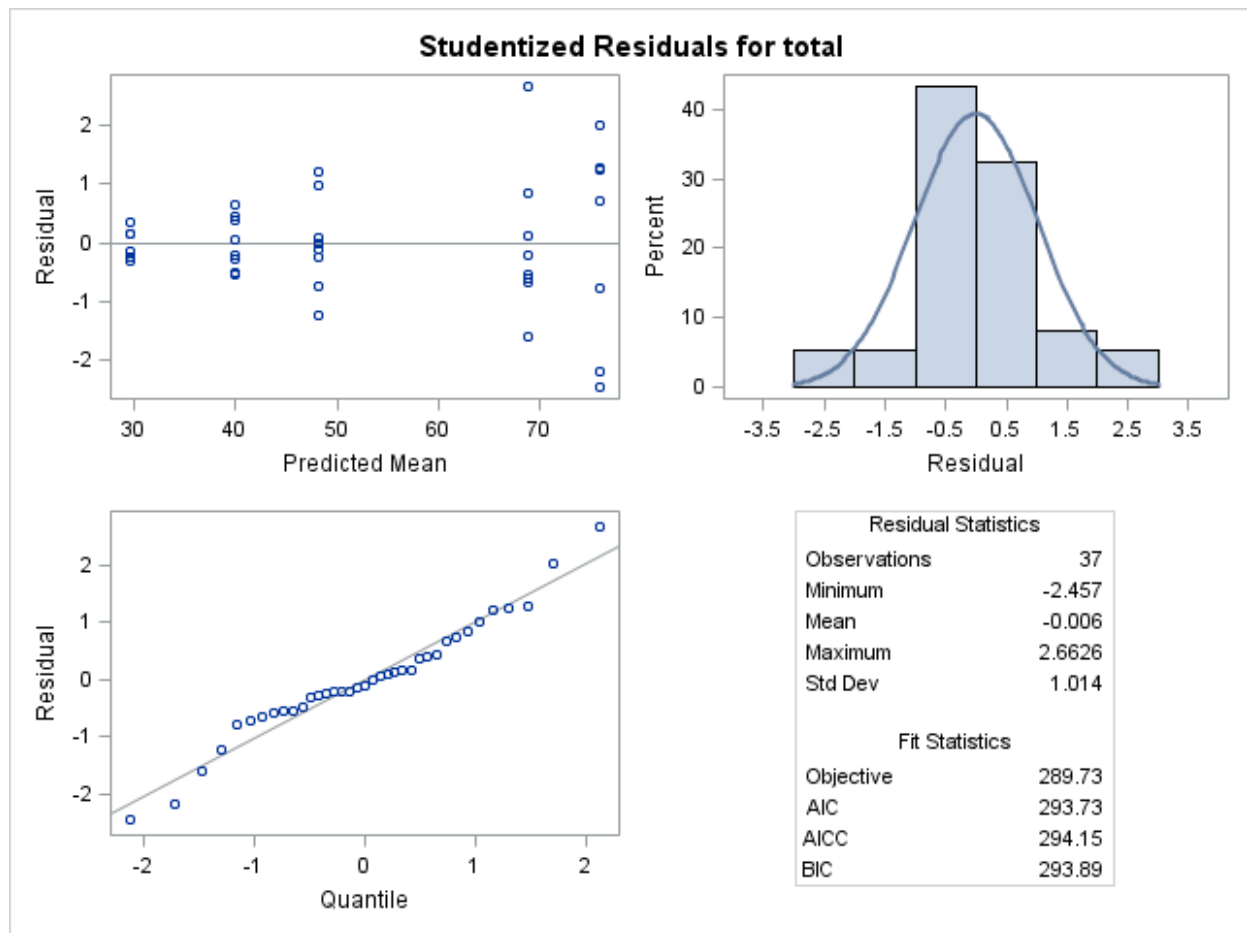
Covariance Parameter Estimates

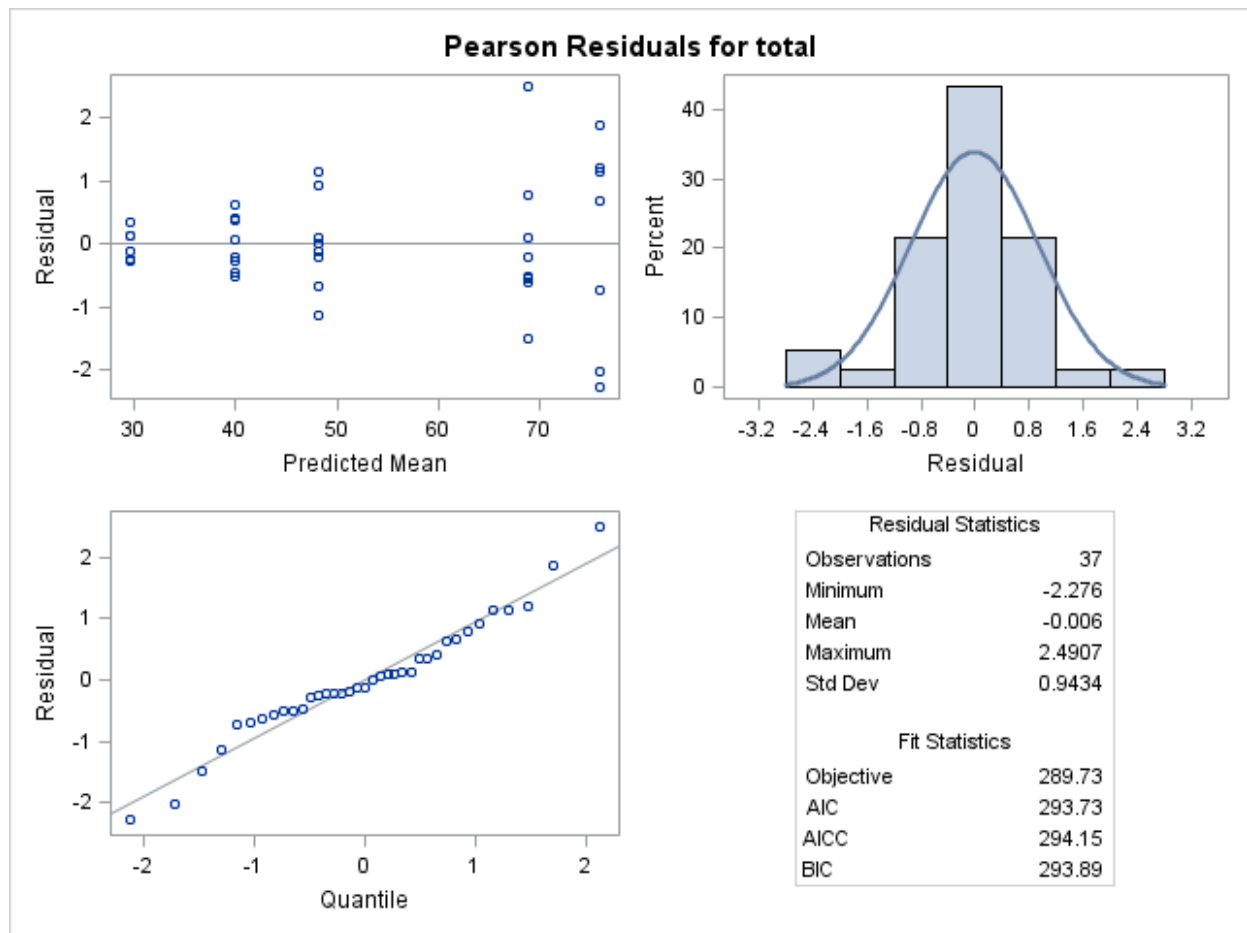
Cov Parm	Estimate
Rep	39.8494
Residual	333.49

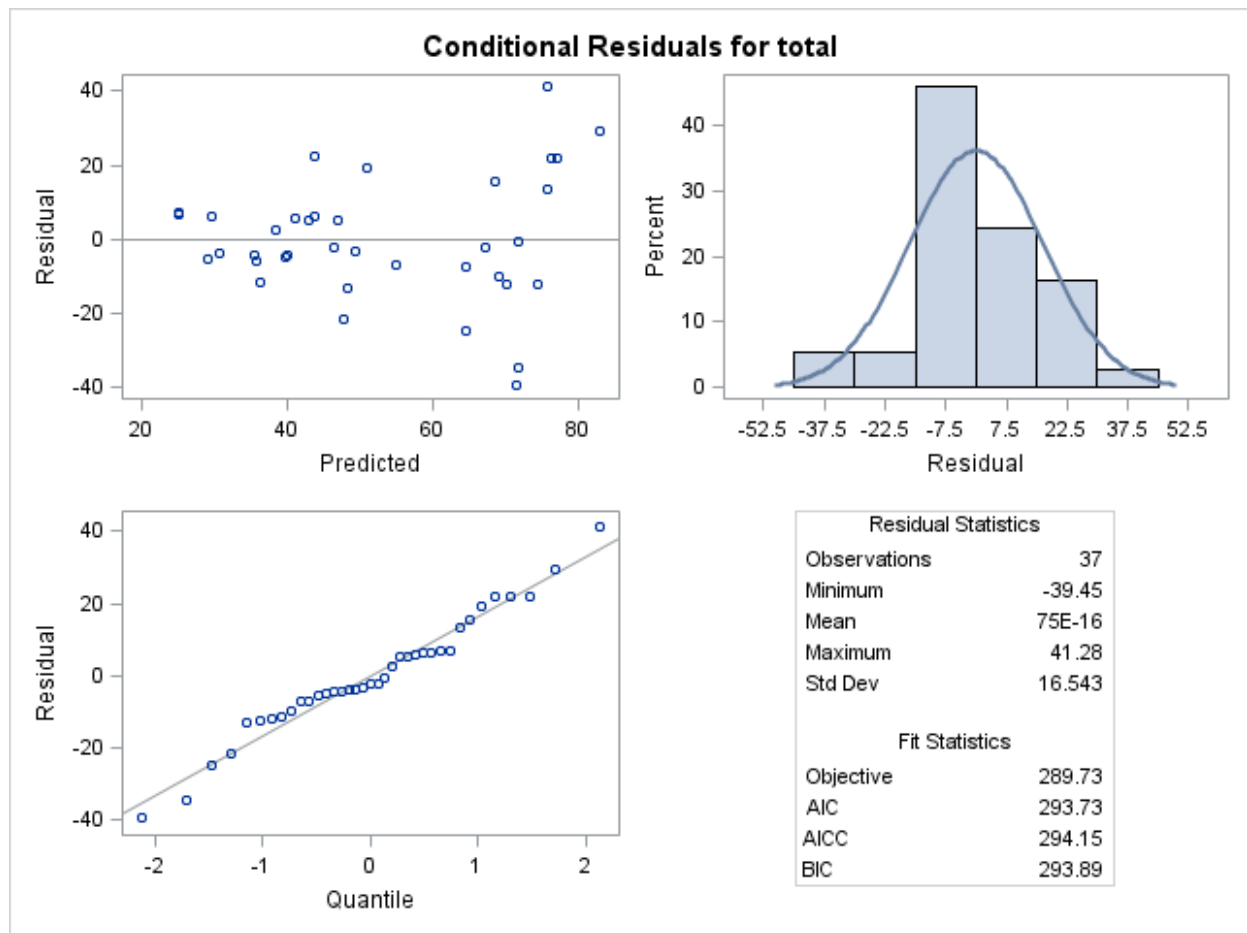
Fit Statistics	
-2 Res Log Likelihood	289.7
AIC (Smaller is Better)	293.7
AICC (Smaller is Better)	294.1
BIC (Smaller is Better)	293.9

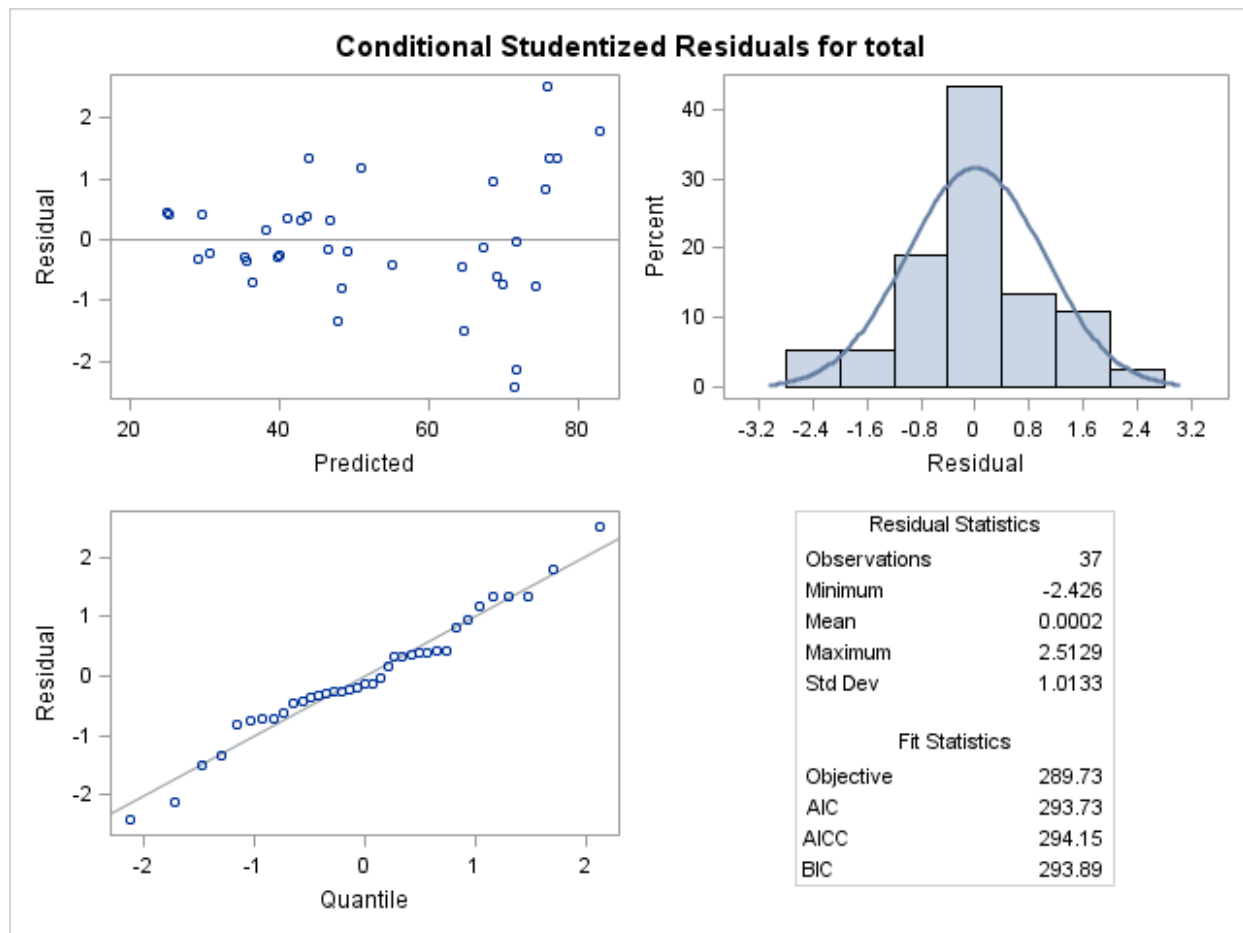
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Treatment	4	25	7.89	0.0003

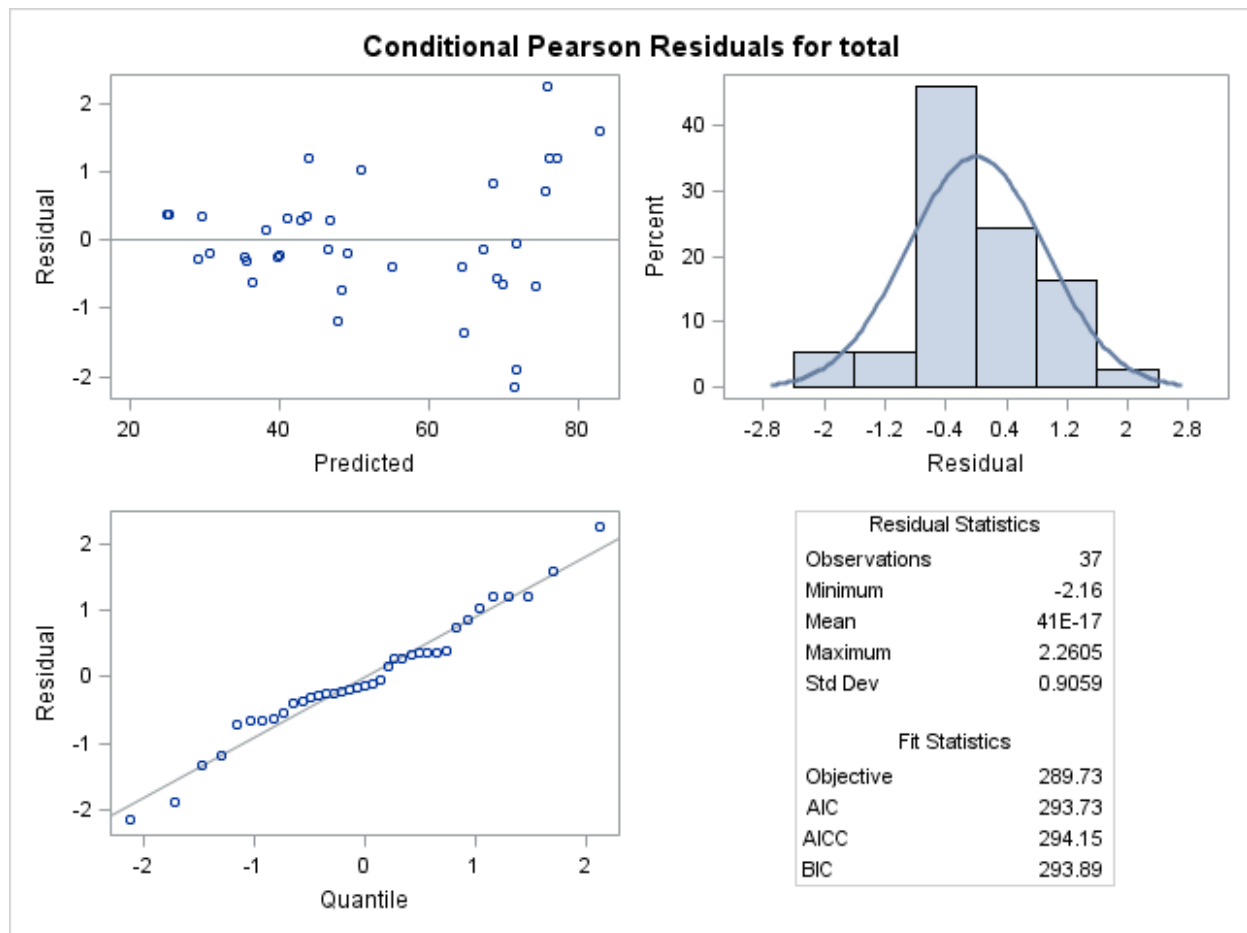












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Class Level Information		
Class	Levels	Values
Treatment	5	NowBiolure Ppo PpoCombo StopNow StopNowCombo
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Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	315.05354502	
1	2	311.18643491	0.00000001

Convergence criteria met.

Covariance Parameter Estimates	
Cov Parm	Estimate

Rep	131.64
Residual	327.00

Fit Statistics	
-2 Res Log Likelihood	311.2
AIC (Smaller is Better)	315.2
AICC (Smaller is Better)	315.6
BIC (Smaller is Better)	315.3

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Treatment	4	27	16.01	<.0001

Least Squares Means						
Effect	Treatment	Estimate	Standard Error	DF	t Value	Pr > t
Treatment	NowBiolure	46.2500	7.5716	27	6.11	<.0001
Treatment	Ppo	69.2500	7.5716	27	9.15	<.0001
Treatment	PpoCombo	99.1250	7.5716	27	13.09	<.0001
Treatment	StopNow	29.4554	8.0043	27	3.68	0.0010
Treatment	StopNowCombo	56.0000	7.5716	27	7.40	<.0001

Differences of Least Squares Means									
Effect	Treatment	_Treatment	Estimate	Standard Error	DF	t Value	Pr > t 	Adjustment	Adj P
Treatment	NowBiolure	Ppo	-23.0000	9.0415	27	-2.54	0.0170	Tukey-Kramer	0.1104
Treatment	NowBiolure	PpoCombo	-52.8750	9.0415	27	-5.85	<.0001	Tukey-Kramer	<.0001
Treatment	NowBiolure	StopNow	16.7946	9.4069	27	1.79	0.0854	Tukey-Kramer	0.4023
Treatment	NowBiolure	StopNowCombo	-9.7500	9.0415	27	-1.08	0.2904	Tukey-Kramer	0.8159
Treatment	Ppo	PpoCombo	-29.8750	9.0415	27	-3.30	0.0027	Tukey-Kramer	0.0208
Treatment	Ppo	StopNow	39.7946	9.4069	27	4.23	0.0002	Tukey-Kramer	0.0021
Treatment	Ppo	StopNowCombo	13.2500	9.0415	27	1.47	0.1543	Tukey-Kramer	0.5926
Treatment	PpoCombo	StopNow	69.6696	9.4069	27	7.41	<.0001	Tukey-Kramer	<.0001
Treatment	PpoCombo	StopNowCombo	43.1250	9.0415	27	4.77	<.0001	Tukey-	0.0005

								Kramer	
Treatment	StopNow	StopNowCombo	-26.5446	9.4069	27	-2.82	0.0088	Tukey-Kramer	0.0620

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Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
Treatment	5	NowBiolure Ppo PpoCombo StopNow StopNowCombo
Rep	8	1 2 3 4 5 6 7 8

Dimensions	
Covariance Parameters	2
Columns in X	6
Columns in Z	8
Subjects	1
Max Obs per Subject	39

Number of Observations	
Number of Observations Read	39
Number of Observations Used	39
Number of Observations Not Used	0

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	315.05354502	
1	2	311.18643491	0.00000001

Convergence criteria met.

Covariance Parameter Estimates	
Cov Parm	Estimate

Rep	131.64
Residual	327.00

Fit Statistics	
-2 Res Log Likelihood	311.2
AIC (Smaller is Better)	315.2
AICC (Smaller is Better)	315.6
BIC (Smaller is Better)	315.3

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Treatment	4	27	16.01	<.0001

