

The GLIMMIX Procedure

Model Information	
Data Set	WORK.LINEAR_REG
Response Variable	absorb
Response Distribution	Gaussian
Link Function	Identity
Variance Function	Default
Variance Matrix	Not blocked
Estimation Technique	Restricted Maximum Likelihood
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
block	3	1 2 3

Number of Observations Read	18
Number of Observations Used	18

Dimensions	
G-side Cov. Parameters	1
R-side Cov. Parameters	1
Columns in X	2
Columns in Z	3
Subjects (Blocks in V)	1
Max Obs per Subject	18

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	1
Lower Boundaries	1
Upper Boundaries	0
Fixed Effects	Profiled
Residual Variance	Profiled
Starting From	Data

Iteration History					
Iteration	Restarts	Evaluations	Objective Function	Change	Max Gradient
0	0	4	-57.46358961	.	6.66E-16

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Convergence criterion (ABSGCONV=0.00001) satisfied.

Fit Statistics	
-2 Res Log Likelihood	-57.46
AIC (smaller is better)	-53.46
AICC (smaller is better)	-52.54
BIC (smaller is better)	-55.27
CAIC (smaller is better)	-53.27
HQIC (smaller is better)	-57.09
Generalized Chi-Square	0.01
Gener. Chi-Square / DF	0.00

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
block	0.000431	0.000505
Residual	0.000438	0.000165

Solutions for Fixed Effects					
Effect	Estimate	Standard Error	DF	t Value	Pr > t
Intercept	0.004686	0.01377	2	0.34	0.7661
glucose	0.000726	0.000018	14	40.44	<.0001

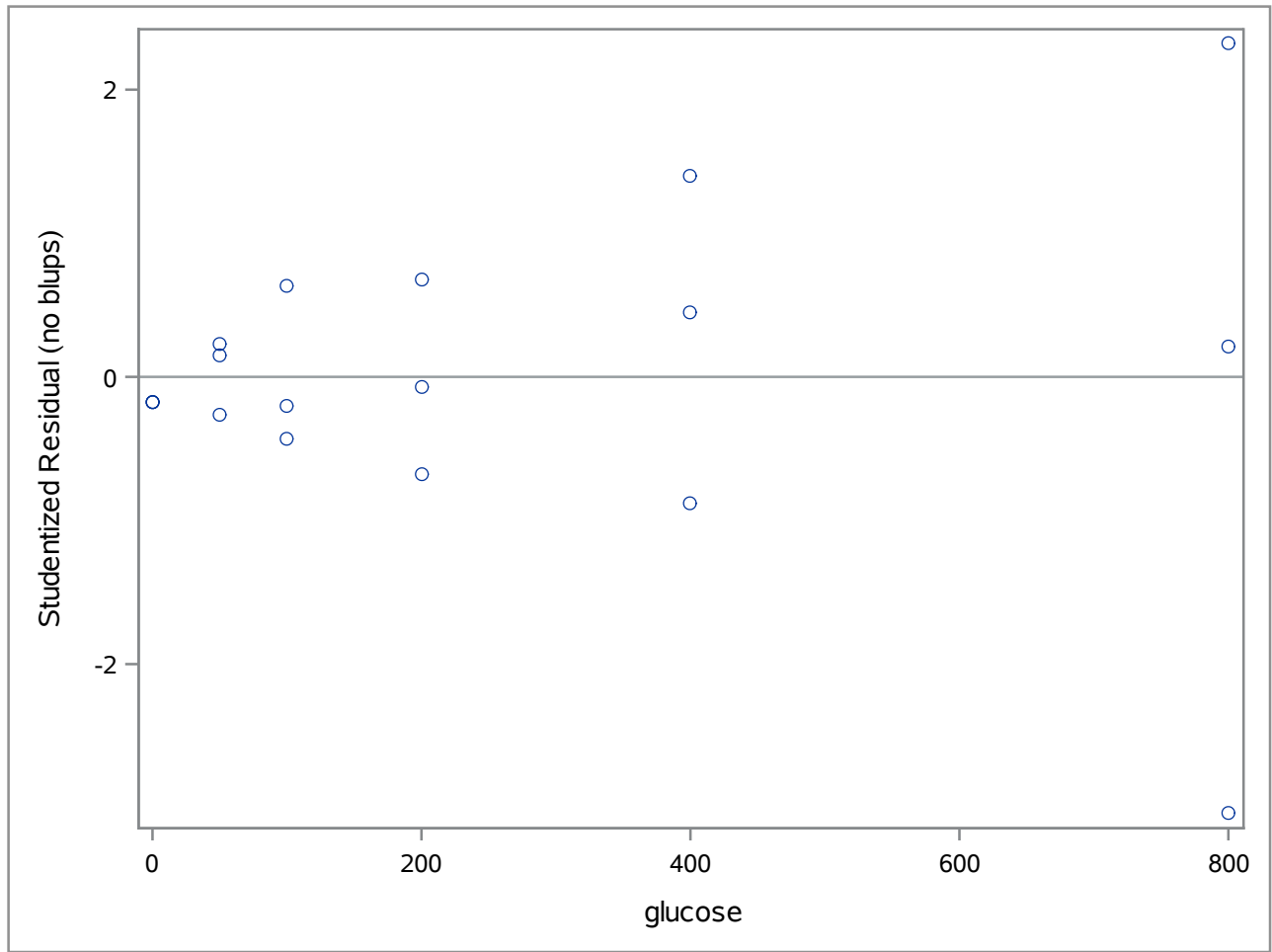
Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
glucose	1	14	1635.24	<.0001

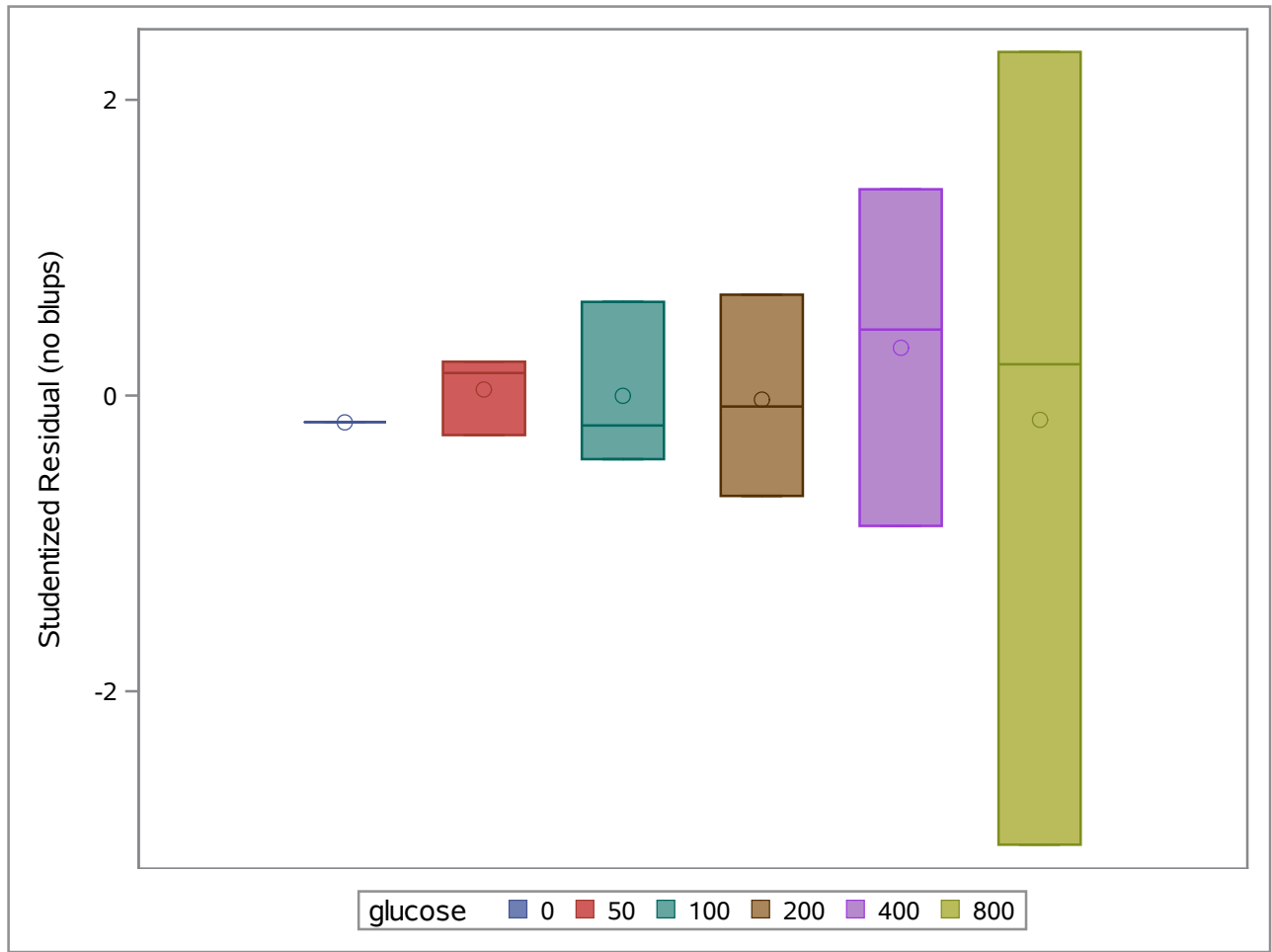
Solution for Random Effects						
Effect	block	Estimate	Std Err Pred	DF	t Value	Pr > t
block	1	0.01853	0.01361	14	1.36	0.1949
block	2	0.001283	0.01361	14	0.09	0.9263
block	3	-0.01982	0.01361	14	-1.46	0.1676

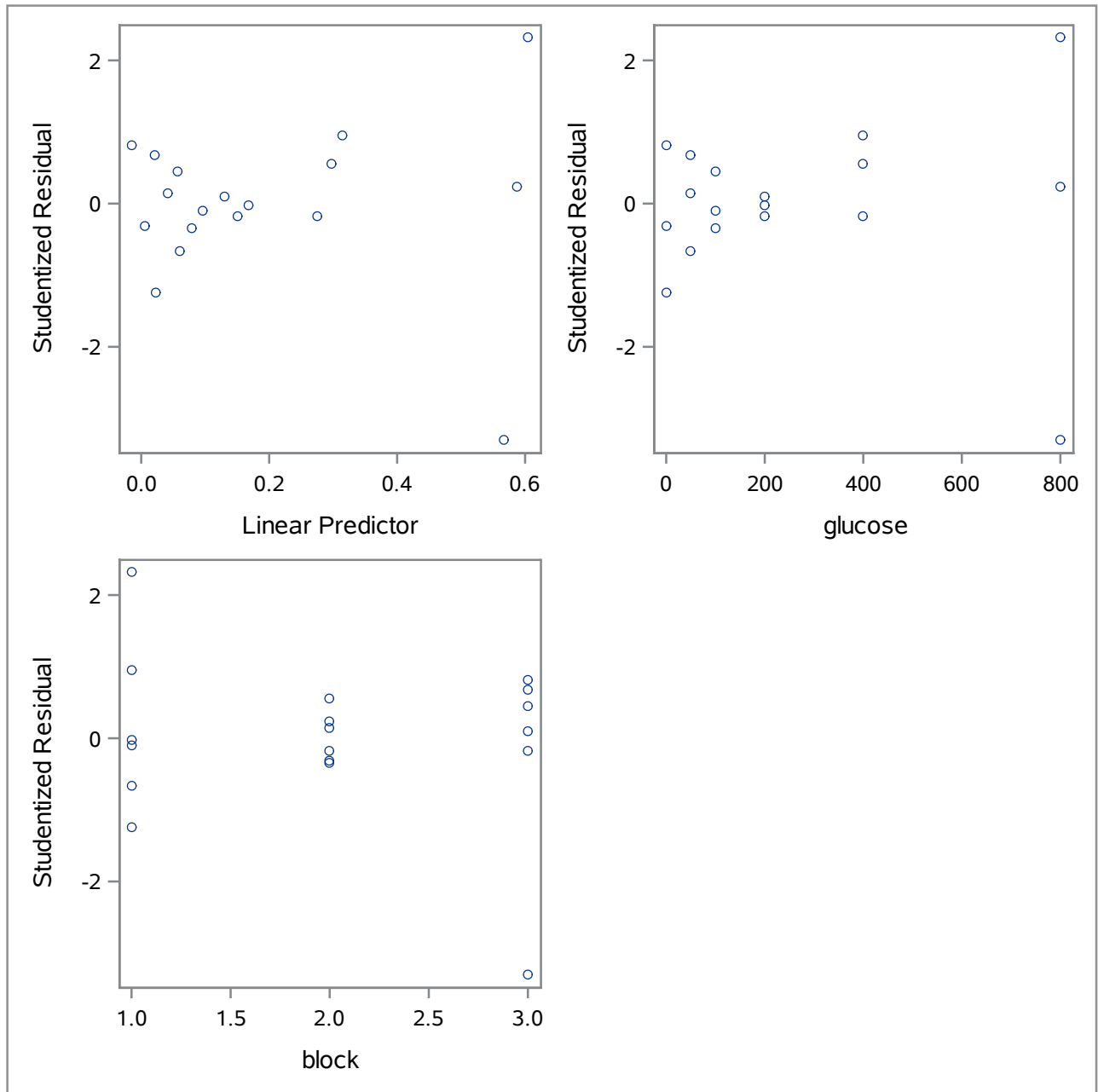
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Tests of Covariance Parameters Based on the Restricted Likelihood					
Label	DF	-2 Res Log Like	ChiSq	Pr > ChiSq	Note
block=0	1	-52.4763	4.99	0.0128	MI

MI: P-value based on a mixture of chi-squares.







The UNIVARIATE Procedure
Variable: studentresid (Studentized Residual)

Moments			
N	18	Sum Weights	18
Mean	-0.0060648	Sum Observations	-0.1091655
Std Deviation	1.11635719	Variance	1.24625337
Skewness	-1.1130971	Kurtosis	4.57855035
Uncorrected SS	21.1869694	Corrected SS	21.1863073
Coeff Variation	-18407.3	Std Error Mean	0.26312791

Basic Statistical Measures			
Location		Variability	
Mean	-0.00606	Std Deviation	1.11636
Median	0.03533	Variance	1.24625
Mode	.	Range	5.62663
		Interquartile Range	0.86734

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-0.02305	Pr > t 	0.9819
Sign	M	0	Pr >= M 	1.0000
Signed Rank	S	7.5	Pr >= S 	0.7660

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.875261	Pr < W	0.0217
Kolmogorov-Smirnov	D	0.213549	Pr > D	0.0285
Cramer-von Mises	W-Sq	0.144408	Pr > W-Sq	0.0248
Anderson-Darling	A-Sq	0.880864	Pr > A-Sq	0.0203

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.3238723
99%	2.3238723
95%	2.3238723
90%	0.9539357
75% Q3	0.5483813
50% Median	0.0353338
25% Q1	-0.3189633

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Quantiles (Definition 5)	
Level	Quantile
10%	-1.2407572
5%	-3.3027598
1%	-3.3027598
0% Min	-3.3027598

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-3.302760	18	0.548381	11
-1.240757	1	0.677358	14
-0.662881	2	0.808520	13
-0.346458	9	0.953936	5
-0.318963	7	2.323872	6

The UNIVARIATE Procedure

