

The NLMIXED Procedure

Specifications	
Data Set	WORK.A
Dependent Variable	y
Distribution for Dependent Variable	Binary
Random Effects	z
Distribution for Random Effects	Normal
Subject Variable	id
Replicate Variable	count
Optimization Technique	Dual Quasi-Newton
Integration Method	Adaptive Gaussian Quadrature

Dimensions	
Observations Used	128
Observations Not Used	0
Total Observations	128
Subjects	537
Max Obs per Subject	4
Parameters	4
Quadrature Points	20

Parameters				
int	ms_	age_	sigma	NegLogLike
-2	0.3	-0.1	2	826.694133

Iteration History						
Iter		Calls	NegLogLike	Diff	MaxGrad	Slope
1		4	806.410317	20.28382	45.8404	-403.711
2		7	800.310719	6.099598	12.43908	-172.393
3		10	798.36173	1.948988	8.268075	-11.5958
4		12	797.67148	0.69025	1.005786	-1.43121
5		14	797.651588	0.019892	0.344805	-0.03258
6		17	797.650143	0.001444	0.020517	-0.00281
7		20	797.650136	7.014E-6	0.002068	-0.00001
8		23	797.650136	6.581E-8	0.000109	-1.24E-7

NOTE: GCONV convergence criterion satisfied.

The NLMIXED Procedure

Fit Statistics	
-2 Log Likelihood	1595.3
AIC (smaller is better)	1603.3
AICC (smaller is better)	1603.6
BIC (smaller is better)	1620.4

Parameter Estimates									
Parameter	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper	Gradient
int	-3.1014	0.2190	536	-14.16	<.0001	0.05	-3.5316	-2.6711	-0.00002
ms_	0.3985	0.2731	536	1.46	0.1450	0.05	-0.1379	0.9349	-1.45E-6
age_	-0.1756	0.06768	536	-2.60	0.0097	0.05	-0.3086	-0.04268	-0.00011
sigma	2.1648	0.1850	536	11.70	<.0001	0.05	1.8014	2.5282	-0.00002

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