Specifications							
Data Set	WORK.A						
Dependent Variable	у						
Distribution for Dependent Variable	Binary						
Random Effects	u						
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	15

Parameters							
one_ ms_ age_ log_sigma2 NegLogLil							
-3	0.4	-0.2	1.5	797.983994			

	Iteration History											
Iter		Calls NegLo		Diff	MaxGrad	Slope						
1		5	797.783954	0.200041	4.813889	-62.7668						
2		8	797.735573	0.048381	3.106524	-3.24401						
3		11	797.693717	0.041856	3.051708	-1.69172						
4		14	14 797.681289 0.012428 2.24558		2.245588	-0.1053						
5		16	797.667968	0.013322 0.339349		-0.04219						
6		19	797.667684	0.000284 0.001032		-0.00057						
7		22	797.667684	2.431E-8	0.000037	-4.84E-8						

NOTE: GCONV convergence criterion satisfied.

Fit Statistics	
-2 Log Likelihood	1595.3
AIC (smaller is better)	1603.3
AICC (smaller is better)	1603.7
BIC (smaller is better)	1620.5

	Parameter Estimates										
Parameter	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper	Gradient		
one_	-3.0995	0.2184	536	-14.19	<.0001	0.05	-3.5285	-2.6705	-0.00003		
ms_	0.3984	0.2728	536	1.46	0.1448	0.05	-0.1376	0.9343	-7.54E-6		
age_	-0.1756	0.06767	536	-2.59	0.0097	0.05	-0.3085	-0.04267	-0.00002		
log_sigma2	1.5424	0.1703	536	9.06	<.0001	0.05	1.2079	1.8769	-0.00004		

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

128
0
128
537
4
5
15

Parameters							
one_	ms_	s_ age_ gamma0 gamma1			NegLogLike		
-3	0.4	-0.2	1.5	0	797.983994		

		Iteratio	n History		
Iter	Calls	NegLogLike	Diff	MaxGrad	Slope
1	5	797.782677	0.201317	4.807613	-62.7857
2	8	797.707206	0.075472	2.733726	-3.79161
3	11	797.658837	0.048368	2.973863	-3.03393
4	14	14 797.63753 0.021307 1.353923		1.353923	-0.07887
5	17	797.63295	95 0.00458 0.812		-0.08027
6	20	797.630009	0.002941 0.012586		-0.0092
7	23	797.630006	2.302E-6	0.000131	-4.41E-6

NOTE: GCONV convergence criterion satisfied.

Fit Statistics	
-2 Log Likelihood	1595.3
AIC (smaller is better)	1605.3
AICC (smaller is better)	1605.8
BIC (smaller is better)	1626.7

	Parameter Estimates										
Parameter	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper	Gradient		
one_	-3.0713	0.2379	536	-12.91	<.0001	0.05	-3.5387	-2.6040	5.236E-6		
ms_	0.3283	0.3764	536	0.87	0.3835	0.05	-0.4111	1.0678	0.00008		
age_	-0.1756	0.06768	536	-2.60	0.0097	0.05	-0.3086	-0.04269	-0.00013		
gamma0	1.5060	0.2159	536	6.98	<.0001	0.05	1.0820	1.9300	0.000019		
gamma1	0.09596	0.3496	536	0.27	0.7838	0.05	-0.5908	0.7827	0.000086		

Specifications			
Data Set	WORK.A		
Dependent Variable	у		
Distribution for Dependent Variable	Binary		
Random Effects	u1 u2		
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	6	
Quadrature Points	15	

Parameters						
one_	ms_	age_	sigma11	sigma21	sigma22	NegLogLike
-3	0.4	-0.2	4	0	1	818.515621

	Iteration History					
Iter		Calls	NegLogLike	Diff	MaxGrad	Slope
1		5	810.831744	7.683877	18.51495	-311.856
2		18	800.652282	10.17946	11.04254	-111.562
3		21	798.98848	1.663801	16.36035	-47.8069
4		31	798.20769	0.780791	6.813594	-3.49599
5		157	798.122436	0.085254	6.182705	-48.347
6		222	798.037529	0.084907	5.423475	-9.73025
6		243	1.15792E77	-1.16E77	5.423475	-3.33252

ERROR: The gradient of the objective function cannot be computed during the optimization process.

Parameter Estimates			
Parameter	Estimate	Gradient	
one_	-3.0273	11.32228	
ms_	0.4135	0	
age_	-0.1387	-1.29151	
sigma11	4.2815	4.419816	
sigma21	-0.1469	-4.21688	
sigma22	0.005042	-5.8667	