

The REG Procedure

Model: MODEL1

Dependent Variable: Y_cont_int

Number of Observations Read	1000
Number of Observations Used	1000

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	37.12372	9.28093	8.70	<.0001
Error	995	1061.58934	1.06692		
Corrected Total	999	1098.71305			

Root MSE	1.03292	R-Square	0.0338
Dependent Mean	-2.95186	Adj R-Sq	0.0299
Coeff Var	-34.99214		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-3.25270	0.06620	-49.14	<.0001
A	1	0.21905	0.09491	2.31	0.0212
M_bin	1	0.16755	0.08707	1.92	0.0546
int	1	-0.00465	0.13241	-0.04	0.9720
C	1	0.12004	0.03227	3.72	0.0002

Obs	Intercept	A	M_bin	int	C
1	-3.25270	0.21905	0.16755	-0.004653	0.12004
2	0.00438	-0.00357	-0.00329	0.003479	-0.00089
3	-0.00357	0.00901	0.00364	-0.009013	-0.00005
4	-0.00329	0.00364	0.00758	-0.007500	-0.00038
5	0.00348	-0.00901	-0.00750	0.017534	0.00016
6	-0.00089	-0.00005	-0.00038	0.000161	0.00104

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	1000
Number of Observations Used	1000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	507
2	0	493

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1388.098	1367.744
SC	1393.006	1382.468
-2 Log L	1386.098	1361.744

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	24.3540	2	<.0001	
Score	24.0825	2	<.0001	
Wald	23.5508	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3621	0.1076	11.3301	0.0008
A	1	0.2052	0.1295	2.5100	0.1131
C	1	0.2944	0.0638	21.3293	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.228	0.953	1.583
C	1.342	1.185	1.521

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Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.2	Somers' D	0.184
Percent Discordant	40.8	Gamma	0.184
Percent Tied	0.0	Tau-a	0.092
Pairs	249951	c	0.592

Obs	effect	Estimate	s_e_	p_value	_95_CI_lower	_95_CI_upper
1	marginal cde	0.21905	0.094909	0.02100	0.033028	0.40507
2	marginal pnde	0.21679	0.066250	0.00107	0.086943	0.34664
3	marginal pnie	0.00858	0.007009	0.22073	-0.005155	0.02232
4	marginal tnde	0.21655	0.066207	0.00107	0.086788	0.34632
5	marginal tnie	0.00835	0.007360	0.25689	-0.006081	0.02277
6	marginal total effect	0.22514	0.066577	0.00072	0.094647	0.35563
7	conditional cde	0.21905	0.094909	0.02100	0.033028	0.40507
8	conditional pnde	0.21680	0.066267	0.00107	0.086919	0.34669
9	conditional pnie	0.00858	0.007011	0.22075	-0.005156	0.02233
10	conditional tnde	0.21656	0.066195	0.00107	0.086823	0.34631
11	conditional tnie	0.00835	0.007362	0.25691	-0.006083	0.02278
12	conditional total effect	0.22515	0.066581	0.00072	0.094651	0.35565

The REG Procedure

Model: MODEL1

Dependent Variable: Y_cont_int

Number of Observations Read	100000
Number of Observations Used	100000

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	3735.87204	933.96801	884.46	<.0001
Error	99995	105593	1.05598		
Corrected Total	99999	109328			

Root MSE	1.02761	R-Square	0.0342
Dependent Mean	-2.95368	Adj R-Sq	0.0341
Coeff Var	-34.79077		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-3.25730	0.00659	-494.52	<.0001
A	1	0.21655	0.00945	22.91	<.0001
M_bin	1	0.17957	0.00865	20.77	<.0001
int	1	-0.01446	0.01318	-1.10	0.2723
C	1	0.12042	0.00321	37.55	<.0001

Obs	Intercept	A	M_bin	int	C
1	-3.25730	0.21655	0.17957	-0.014463	0.12042
2	0.00004	-0.00004	-0.00003	0.000035	-0.00001
3	-0.00004	0.00009	0.00004	-0.000089	-0.00000
4	-0.00003	0.00004	0.00007	-0.000074	-0.00000
5	0.00003	-0.00009	-0.00007	0.000174	0.00000
6	-0.00001	-0.00000	-0.00000	0.000001	0.00001

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50766
2	0	49234

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138607.96	136155.03
SC	138617.48	136183.57
-2 Log L	138605.96	136149.03

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2456.9318	2	<.0001	
Score	2429.1646	2	<.0001	
Wald	2374.8165	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3578	0.0107	1111.9074	<.0001
A	1	0.1985	0.0130	234.6431	<.0001
C	1	0.2965	0.00637	2165.9187	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.220	1.189	1.251
C	1.345	1.328	1.362

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.3	Somers' D	0.186
Percent Discordant	40.7	Gamma	0.186
Percent Tied	0.0	Tau-a	0.093
Pairs	2499413244	c	0.593

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.21614	0.097747	0.036262	0.37817
2	marginal pnde	0.20935	0.071340	0.077302	0.34268
3	marginal pnie	0.00851	0.006900	-0.001249	0.02178
4	marginal tnde	0.20911	0.072238	0.080624	0.34410
5	marginal tnie	0.00827	0.007804	-0.002273	0.02905
6	marginal total effect	0.21762	0.071427	0.080849	0.34787
7	conditional cde	0.21614	0.097747	0.036262	0.37817
8	conditional pnde	0.20939	0.071321	0.077169	0.34249
9	conditional pnie	0.00851	0.006901	-0.001249	0.02178
10	conditional tnde	0.20915	0.072184	0.080492	0.34391
11	conditional tnie	0.00827	0.007808	-0.002273	0.02906
12	conditional total effect	0.21766	0.071387	0.080965	0.34768

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	Y_bin_int
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	3886
2	0	96114

Probability modeled is Y_bin_int='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	32862.818	32178.184
SC	32872.331	32225.749
-2 Log L	32860.818	32168.184

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	692.6335	4	<.0001	
Score	600.7042	4	<.0001	
Wald	551.1250	4	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9915	0.0471	7173.6986	<.0001
A	1	1.0841	0.0566	367.4262	<.0001
M_bin	1	1.1749	0.0536	481.1384	<.0001
int	1	-1.1670	0.0703	275.4468	<.0001
C	1	-0.1101	0.0163	45.6140	<.0001

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Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	2.957	2.647	3.304
M_bin	3.238	2.915	3.596
int	0.311	0.271	0.357
C	0.896	0.868	0.925

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	61.0	Somers' D	0.221
Percent Discordant	39.0	Gamma	0.221
Percent Tied	0.0	Tau-a	0.016
Pairs	373499004	c	0.610

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50800
2	0	49200

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138605.84	136063.11
SC	138615.35	136091.65
-2 Log L	138603.84	136057.11

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2546.7224	2	<.0001	
Score	2517.1222	2	<.0001	
Wald	2459.1171	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3654	0.0108	1151.9359	<.0001
A	1	0.2037	0.0130	246.9293	<.0001
C	1	0.3023	0.00638	2243.0583	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.226	1.195	1.257
C	1.353	1.336	1.370

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Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.4	Somers' D	0.188
Percent Discordant	40.6	Gamma	0.188
Percent Tied	0.0	Tau-a	0.094
Pairs	2499360000	c	0.594

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	3.76721	2.90438	1.05363	12.3719
2	marginal pnde	1.51056	0.58128	0.82763	2.7056
3	marginal pnie	1.05358	0.03786	0.98919	1.1358
4	marginal tnde	1.43748	0.53808	0.76947	2.5147
5	marginal tnie	1.00285	0.02956	0.94666	1.0717
6	marginal total effect	1.51199	0.56501	0.84695	2.6950
7	conditional cde	3.76721	2.90438	1.05363	12.3719
8	conditional pnde	1.51427	0.58320	0.82985	2.7143
9	conditional pnie	1.05374	0.03800	0.98915	1.1363
10	conditional tnde	1.44080	0.53966	0.77140	2.5222
11	conditional tnie	1.00288	0.02959	0.94675	1.0719
12	conditional total effect	1.51571	0.56676	0.85049	2.7036

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA11
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	29
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	29
2	0	971

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-128.7749		
Full Log Likelihood		-128.7749		
AIC (smaller is better)		267.5498		
AICC (smaller is better)		267.6101		
BIC (smaller is better)		292.0885		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25601	-0.24424	-0.23808	0.24340	-0.01729
Prm2	-0.24424	0.38464	0.24859	-0.38485	-0.004200
Prm3	-0.23808	0.24859	0.36149	-0.35674	-0.01544
Prm4	0.24340	-0.38485	-0.35674	0.59929	0.005734
Prm5	-0.01729	-0.004200	-0.01544	0.005734	0.03157

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2110	0.5060	-5.2027	-3.2193	69.27	<.0001
A	1	1.0071	0.6202	-0.2085	2.2227	2.64	0.1044
M_bin	1	0.9502	0.6012	-0.2282	2.1286	2.50	0.1140
int	1	-0.8495	0.7741	-2.3668	0.6678	1.20	0.2725
C	1	-0.1467	0.1777	-0.4949	0.2015	0.68	0.4089
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA12
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	34
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	34
2	0	966

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-145.2563		
Full Log Likelihood		-145.2563		
AIC (smaller is better)		300.5126		
AICC (smaller is better)		300.5730		
BIC (smaller is better)		325.0514		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26032	-0.24473	-0.23964	0.24460	-0.01964
Prm2	-0.24473	0.36610	0.24678	-0.36611	-0.001940
Prm3	-0.23964	0.24678	0.34568	-0.34341	-0.008985
Prm4	0.24460	-0.36611	-0.34341	0.54177	0.002127
Prm5	-0.01964	-0.001940	-0.008985	0.002127	0.02719

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0799	0.5102	-5.0799	-3.0799	63.94	<.0001
A	1	0.9948	0.6051	-0.1911	2.1807	2.70	0.1001
M_bin	1	0.8436	0.5879	-0.3088	1.9959	2.06	0.1513
int	1	-0.5938	0.7361	-2.0364	0.8489	0.65	0.4198
C	1	-0.1401	0.1649	-0.4633	0.1831	0.72	0.3956
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA13
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	46
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	46
2	0	954

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-175.6025		
Full Log Likelihood		-175.6025		
AIC (smaller is better)		361.2049		
AICC (smaller is better)		361.2653		
BIC (smaller is better)		385.7437		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.34443	-0.33043	-0.32539	0.32902	-0.01668
Prm2	-0.33043	0.38031	0.32996	-0.38027	0.0004074
Prm3	-0.32539	0.32996	0.39938	-0.39819	-0.005444
Prm4	0.32902	-0.38027	-0.39819	0.53469	0.001224
Prm5	-0.01668	0.0004074	-0.005444	0.001224	0.01937

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.5873	0.5869	-5.7375	-3.4370	61.09	<.0001
A	1	2.2847	0.6167	1.0760	3.4933	13.72	0.0002
M_bin	1	1.6713	0.6320	0.4327	2.9100	6.99	0.0082
int	1	-2.3551	0.7312	-3.7882	-0.9219	10.37	0.0013
C	1	-0.0497	0.1392	-0.3225	0.2231	0.13	0.7209
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA14
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	38
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	38
2	0	962

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-156.8424		
Full Log Likelihood		-156.8424		
AIC (smaller is better)		323.6849		
AICC (smaller is better)		323.7452		
BIC (smaller is better)		348.2237		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26135	-0.24558	-0.23846	0.24188	-0.01900
Prm2	-0.24558	0.38454	0.24689	-0.38475	-0.001083
Prm3	-0.23846	0.24689	0.30595	-0.30412	-0.01015
Prm4	0.24188	-0.38475	-0.30412	0.53676	0.005801
Prm5	-0.01900	-0.001083	-0.01015	0.005801	0.02420

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2140	0.5112	-5.2160	-3.2120	67.95	<.0001
A	1	0.8580	0.6201	-0.3574	2.0734	1.91	0.1665
M_bin	1	1.4670	0.5531	0.3829	2.5511	7.03	0.0080
int	1	-1.1936	0.7326	-2.6295	0.2424	2.65	0.1033
C	1	-0.0471	0.1556	-0.3520	0.2578	0.09	0.7622
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA15
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	34
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	34
2	0	966

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-144.2878		
Full Log Likelihood		-144.2878		
AIC (smaller is better)		298.5755		
AICC (smaller is better)		298.6359		
BIC (smaller is better)		323.1143		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25916	-0.24572	-0.23814	0.24423	-0.01838
Prm2	-0.24572	0.38406	0.24762	-0.38420	-0.001656
Prm3	-0.23814	0.24762	0.33273	-0.32843	-0.01297
Prm4	0.24423	-0.38420	-0.32843	0.55069	0.003885
Prm5	-0.01838	-0.001656	-0.01297	0.003885	0.02741

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.3170	0.5091	-5.3148	-3.3193	71.91	<.0001
A	1	1.1564	0.6197	-0.0582	2.3711	3.48	0.0620
M_bin	1	1.2579	0.5768	0.1273	2.3884	4.76	0.0292
int	1	-1.0207	0.7421	-2.4752	0.4337	1.89	0.1690
C	1	-0.0820	0.1656	-0.4064	0.2425	0.25	0.6206
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA16
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	33
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	33
2	0	967

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-135.1927		
Full Log Likelihood		-135.1927		
AIC (smaller is better)		280.3854		
AICC (smaller is better)		280.4457		
BIC (smaller is better)		304.9242		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26987	-0.24434	-0.23703	0.24046	-0.02367
Prm2	-0.24434	0.30827	0.24724	-0.30861	-0.002091
Prm3	-0.23703	0.24724	0.32980	-0.32843	-0.009468
Prm4	0.24046	-0.30861	-0.32843	0.88501	0.006000
Prm5	-0.02367	-0.002091	-0.009468	0.006000	0.02389

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.3604	0.5195	-5.3786	-3.3422	70.45	<.0001
A	1	1.6393	0.5552	0.5511	2.7275	8.72	0.0032
M_bin	1	1.0815	0.5743	-0.0441	2.2071	3.55	0.0597
int	1	-3.2756	0.9407	-5.1194	-1.4318	12.12	0.0005
C	1	0.1118	0.1546	-0.1911	0.4148	0.52	0.4693
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA17
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	31
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	31
2	0	969

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-135.1281		
Full Log Likelihood		-135.1281		
AIC (smaller is better)		280.2562		
AICC (smaller is better)		280.3165		
BIC (smaller is better)		304.7950		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25893	-0.24531	-0.23717	0.24458	-0.02047
Prm2	-0.24531	0.34200	0.24757	-0.34208	-0.002128
Prm3	-0.23717	0.24757	0.36111	-0.35545	-0.01563
Prm4	0.24458	-0.34208	-0.35545	0.56987	0.003330
Prm5	-0.02047	-0.002128	-0.01563	0.003330	0.03398

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2246	0.5088	-5.2219	-3.2273	68.93	<.0001
A	1	1.2512	0.5848	0.1050	2.3974	4.58	0.0324
M_bin	1	0.9748	0.6009	-0.2030	2.1526	2.63	0.1048
int	1	-1.1661	0.7549	-2.6456	0.3135	2.39	0.1224
C	1	-0.1298	0.1843	-0.4911	0.2315	0.50	0.4812
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA18
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	49
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	49
2	0	951

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-182.0173		
Full Log Likelihood		-182.0173		
AIC (smaller is better)		374.0346		
AICC (smaller is better)		374.0949		
BIC (smaller is better)		398.5733		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.50648	-0.49655	-0.49093	0.49482	-0.01414
Prm2	-0.49655	0.55371	0.49657	-0.55371	-0.000021
Prm3	-0.49093	0.49657	0.54597	-0.54376	-0.008038
Prm4	0.49482	-0.55371	-0.54376	0.68656	0.002480
Prm5	-0.01414	-0.000021	-0.008038	0.002480	0.02015

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.8624	0.7117	-6.2573	-3.4676	46.68	<.0001
A	1	2.5253	0.7441	1.0669	3.9838	11.52	0.0007
M_bin	1	2.4854	0.7389	1.0372	3.9336	11.31	0.0008
int	1	-2.9627	0.8286	-4.5867	-1.3387	12.78	0.0003
C	1	-0.1989	0.1420	-0.4771	0.0794	1.96	0.1613
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA19
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	31
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	31
2	0	969

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-133.4227		
Full Log Likelihood		-133.4227		
AIC (smaller is better)		276.8453		
AICC (smaller is better)		276.9057		
BIC (smaller is better)		301.3841		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.35397	-0.33021	-0.31830	0.32501	-0.02729
Prm2	-0.33021	0.52460	0.32960	-0.52451	0.0004642
Prm3	-0.31830	0.32960	0.39445	-0.39126	-0.01298
Prm4	0.32501	-0.52451	-0.39126	0.72302	0.005397
Prm5	-0.02729	0.0004642	-0.01298	0.005397	0.03080

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.6033	0.5950	-5.7694	-3.4372	59.87	<.0001
A	1	0.8981	0.7243	-0.5215	2.3177	1.54	0.2150
M_bin	1	1.5830	0.6281	0.3520	2.8139	6.35	0.0117
int	1	-1.3936	0.8503	-3.0601	0.2730	2.69	0.1012
C	1	0.0623	0.1755	-0.2816	0.4063	0.13	0.7224
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA110
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	38
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	38
2	0	962

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-152.6501		
Full Log Likelihood		-152.6501		
AIC (smaller is better)		315.3003		
AICC (smaller is better)		315.3606		
BIC (smaller is better)		339.8391		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.34346	-0.33284	-0.32405	0.33116	-0.01812
Prm2	-0.33284	0.49191	0.32887	-0.49156	0.003702
Prm3	-0.32405	0.32887	0.38174	-0.37852	-0.008228
Prm4	0.33116	-0.49156	-0.37852	0.63558	-0.001417
Prm5	-0.01812	0.003702	-0.008228	-0.001417	0.02459

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.5346	0.5861	-5.6832	-3.3859	59.87	<.0001
A	1	1.1869	0.7014	-0.1878	2.5615	2.86	0.0906
M_bin	1	2.0528	0.6179	0.8418	3.2637	11.04	0.0009
int	1	-1.6094	0.7972	-3.1720	-0.0469	4.08	0.0435
C	1	-0.1604	0.1568	-0.4678	0.1469	1.05	0.3063
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA111
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	31
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	31
2	0	969

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-136.6408		
Full Log Likelihood		-136.6408		
AIC (smaller is better)		283.2815		
AICC (smaller is better)		283.3419		
BIC (smaller is better)		307.8203		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.19315	-0.16311	-0.15430	0.15997	-0.02978
Prm2	-0.16311	0.32502	0.16341	-0.32505	-0.000230
Prm3	-0.15430	0.16341	0.24574	-0.24402	-0.009026
Prm4	0.15997	-0.32505	-0.24402	0.54327	0.003362
Prm5	-0.02978	-0.000230	-0.009026	0.003362	0.02976

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0213	0.4395	-4.8827	-3.1600	83.72	<.0001
A	1	0.4026	0.5701	-0.7148	1.5200	0.50	0.4800
M_bin	1	0.7585	0.4957	-0.2131	1.7301	2.34	0.1260
int	1	-0.6911	0.7371	-2.1357	0.7535	0.88	0.3484
C	1	0.1022	0.1725	-0.2359	0.4403	0.35	0.5534
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA112
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	30
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	30
2	0	970

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-132.4073		
Full Log Likelihood		-132.4073		
AIC (smaller is better)		274.8145		
AICC (smaller is better)		274.8749		
BIC (smaller is better)		299.3533		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26599	-0.24652	-0.23679	0.24130	-0.02457
Prm2	-0.24652	0.38413	0.24633	-0.38410	0.0001538
Prm3	-0.23679	0.24633	0.35863	-0.35643	-0.01204
Prm4	0.24130	-0.38410	-0.35643	0.58872	0.006385
Prm5	-0.02457	0.0001538	-0.01204	0.006385	0.03080

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1557	0.5157	-5.1665	-3.1448	64.93	<.0001
A	1	0.9098	0.6198	-0.3050	2.1245	2.15	0.1421
M_bin	1	0.8456	0.5989	-0.3281	2.0194	1.99	0.1579
int	1	-0.6489	0.7673	-2.1528	0.8549	0.72	0.3977
C	1	-0.1125	0.1755	-0.4565	0.2314	0.41	0.5214
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA113
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	48
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	48
2	0	952

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-189.2856		
Full Log Likelihood		-189.2856		
AIC (smaller is better)		388.5712		
AICC (smaller is better)		388.6316		
BIC (smaller is better)		413.1100		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.12399	-0.10900	-0.10226	0.10754	-0.01670
Prm2	-0.10900	0.21426	0.10760	-0.21417	0.001076
Prm3	-0.10226	0.10760	0.15635	-0.15447	-0.005952
Prm4	0.10754	-0.21417	-0.15447	0.35560	0.0004543
Prm5	-0.01670	0.001076	-0.005952	0.0004543	0.01742

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6004	0.3521	-4.2905	-2.9103	104.55	<.0001
A	1	0.4445	0.4629	-0.4627	1.3518	0.92	0.3369
M_bin	1	0.9390	0.3954	0.1640	1.7139	5.64	0.0176
int	1	-0.8300	0.5963	-1.9987	0.3388	1.94	0.1640
C	1	0.0345	0.1320	-0.2242	0.2932	0.07	0.7938
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA114
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	36
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	36
2	0	964

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-145.3236		
Full Log Likelihood		-145.3236		
AIC (smaller is better)		300.6472		
AICC (smaller is better)		300.7076		
BIC (smaller is better)		325.1860		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	1.00344	-0.99415	-0.99131	0.99359	-0.01343
Prm2	-0.99415	1.09093	0.99745	-1.09108	-0.003656
Prm3	-0.99131	0.99745	1.06227	-1.06076	-0.008873
Prm4	0.99359	-1.09108	-1.06076	1.24999	0.004683
Prm5	-0.01343	-0.003656	-0.008873	0.004683	0.02467

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-5.4568	1.0017	-7.4202	-3.4935	29.67	<.0001
A	1	2.7341	1.0445	0.6870	4.7812	6.85	0.0089
M_bin	1	2.7575	1.0307	0.7374	4.7776	7.16	0.0075
int	1	-3.0142	1.1180	-5.2055	-0.8229	7.27	0.0070
C	1	-0.2418	0.1571	-0.5496	0.0661	2.37	0.1238
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA115
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	38
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	38
2	0	962

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-158.5478		
Full Log Likelihood		-158.5478		
AIC (smaller is better)		327.0956		
AICC (smaller is better)		327.1559		
BIC (smaller is better)		351.6343		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20794	-0.19340	-0.18697	0.19289	-0.01733
Prm2	-0.19340	0.30326	0.19923	-0.30340	-0.004818
Prm3	-0.18697	0.19923	0.26794	-0.26295	-0.01461
Prm4	0.19289	-0.30340	-0.26295	0.47348	0.005592
Prm5	-0.01733	-0.004818	-0.01461	0.005592	0.02640

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0439	0.4560	-4.9377	-3.1502	78.65	<.0001
A	1	1.0248	0.5507	-0.0546	2.1041	3.46	0.0628
M_bin	1	1.0947	0.5176	0.0801	2.1092	4.47	0.0344
int	1	-1.2500	0.6881	-2.5987	0.0986	3.30	0.0693
C	1	-0.0297	0.1625	-0.3482	0.2888	0.03	0.8551
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA116
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	44
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	44
2	0	956

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-172.5715		
Full Log Likelihood		-172.5715		
AIC (smaller is better)		355.1431		
AICC (smaller is better)		355.2034		
BIC (smaller is better)		379.6818		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.33886	-0.32972	-0.32441	0.32974	-0.01400
Prm2	-0.32972	0.40734	0.32964	-0.40734	0.0000756
Prm3	-0.32441	0.32964	0.38790	-0.38485	-0.008021
Prm4	0.32974	-0.40734	-0.38485	0.54163	-0.000106
Prm5	-0.01400	0.0000756	-0.008021	-0.000106	0.02132

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.4039	0.5821	-5.5448	-3.2629	57.23	<.0001
A	1	1.8221	0.6382	0.5712	3.0730	8.15	0.0043
M_bin	1	1.7922	0.6228	0.5715	3.0129	8.28	0.0040
int	1	-2.0011	0.7360	-3.4435	-0.5587	7.39	0.0065
C	1	-0.1929	0.1460	-0.4791	0.0933	1.74	0.1866
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA117
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	49
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	49
2	0	951

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-183.4600		
Full Log Likelihood		-183.4600		
AIC (smaller is better)		376.9200		
AICC (smaller is better)		376.9804		
BIC (smaller is better)		401.4588		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25324	-0.24615	-0.24188	0.24525	-0.01147
Prm2	-0.24615	0.33230	0.24670	-0.33235	-0.000553
Prm3	-0.24188	0.24670	0.33660	-0.33431	-0.007798
Prm4	0.24525	-0.33235	-0.33431	0.45840	0.002086
Prm5	-0.01147	-0.000553	-0.007798	0.002086	0.01945

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1646	0.5032	-5.1509	-3.1782	68.49	<.0001
A	1	1.3897	0.5765	0.2599	2.5196	5.81	0.0159
M_bin	1	1.2049	0.5802	0.0678	2.3420	4.31	0.0378
int	1	-0.5099	0.6771	-1.8369	0.8171	0.57	0.4514
C	1	-0.2087	0.1395	-0.4820	0.0647	2.24	0.1346
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA118
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	45
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	45
2	0	955

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-172.5597		
Full Log Likelihood		-172.5597		
AIC (smaller is better)		355.1195		
AICC (smaller is better)		355.1798		
BIC (smaller is better)		379.6582		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.50113	-0.49509	-0.49289	0.49616	-0.009991
Prm2	-0.49509	0.56821	0.49716	-0.56794	-0.002514
Prm3	-0.49289	0.49716	0.55347	-0.55115	-0.007071
Prm4	0.49616	-0.56794	-0.55115	0.69526	0.0002977
Prm5	-0.009991	-0.002514	-0.007071	0.0002977	0.02069

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.8149	0.7079	-6.2023	-3.4274	46.26	<.0001
A	1	2.2617	0.7538	0.7843	3.7391	9.00	0.0027
M_bin	1	2.3204	0.7440	0.8622	3.7785	9.73	0.0018
int	1	-2.4352	0.8338	-4.0695	-0.8009	8.53	0.0035
C	1	-0.2543	0.1438	-0.5363	0.0276	3.13	0.0770
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA119
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	47
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	47
2	0	953

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-177.7889		
Full Log Likelihood		-177.7889		
AIC (smaller is better)		365.5778		
AICC (smaller is better)		365.6381		
BIC (smaller is better)		390.1166		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.33509	-0.33046	-0.32665	0.33117	-0.01026
Prm2	-0.33046	0.42400	0.32908	-0.42412	0.001682
Prm3	-0.32665	0.32908	0.37470	-0.37232	-0.005393
Prm4	0.33117	-0.42412	-0.37232	0.53973	-0.002998
Prm5	-0.01026	0.001682	-0.005393	-0.002998	0.01901

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.3531	0.5789	-5.4876	-3.2185	56.55	<.0001
A	1	1.5827	0.6512	0.3064	2.8589	5.91	0.0151
M_bin	1	2.0873	0.6121	0.8875	3.2870	11.63	0.0007
int	1	-1.7653	0.7347	-3.2052	-0.3254	5.77	0.0163
C	1	-0.3383	0.1379	-0.6086	-0.0681	6.02	0.0141
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA120
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	35
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	35
2	0	965

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-146.7980		
Full Log Likelihood		-146.7980		
AIC (smaller is better)		303.5960		
AICC (smaller is better)		303.6564		
BIC (smaller is better)		328.1348		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25953	-0.25053	-0.23874	0.24750	-0.01864
Prm2	-0.25053	0.35315	0.24408	-0.35221	0.005779
Prm3	-0.23874	0.24408	0.34703	-0.34184	-0.01106
Prm4	0.24750	-0.35221	-0.34184	0.52697	-0.001450
Prm5	-0.01864	0.005779	-0.01106	-0.001450	0.02663

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1218	0.5094	-5.1203	-3.1233	65.46	<.0001
A	1	1.2371	0.5943	0.0724	2.4019	4.33	0.0374
M_bin	1	1.1508	0.5891	-0.0038	2.3054	3.82	0.0508
int	1	-1.0268	0.7259	-2.4496	0.3960	2.00	0.1572
C	1	-0.2422	0.1632	-0.5620	0.0777	2.20	0.1378
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA121
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	43
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	43
2	0	957

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-172.8291		
Full Log Likelihood		-172.8291		
AIC (smaller is better)		355.6582		
AICC (smaller is better)		355.7185		
BIC (smaller is better)		380.1969		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.14928	-0.13740	-0.13314	0.13575	-0.01457
Prm2	-0.13740	0.19702	0.14027	-0.19732	-0.002592
Prm3	-0.13314	0.14027	0.22256	-0.22099	-0.008733
Prm4	0.13575	-0.19732	-0.22099	0.39806	0.004967
Prm5	-0.01457	-0.002592	-0.008733	0.004967	0.02104

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5630	0.3864	-4.3203	-2.8057	85.04	<.0001
A	1	1.1544	0.4439	0.2844	2.0243	6.76	0.0093
M_bin	1	0.5868	0.4718	-0.3378	1.5114	1.55	0.2136
int	1	-1.3379	0.6309	-2.5745	-0.1013	4.50	0.0340
C	1	-0.1646	0.1451	-0.4489	0.1197	1.29	0.2564
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA122
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	42
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	42
2	0	958

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-170.4645	
Full Log Likelihood		-170.4645	
AIC (smaller is better)		350.9291	
AICC (smaller is better)		350.9894	
BIC (smaller is better)		375.4678	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20662	-0.19560	-0.18859	0.19215	-0.01487
Prm2	-0.19560	0.26321	0.19691	-0.26346	-0.001083
Prm3	-0.18859	0.19691	0.27554	-0.27285	-0.01124
Prm4	0.19215	-0.26346	-0.27285	0.43381	0.006085
Prm5	-0.01487	-0.001083	-0.01124	0.006085	0.02153

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9649	0.4546	-4.8558	-3.0740	76.08	<.0001
A	1	1.2697	0.5130	0.2642	2.2753	6.13	0.0133
M_bin	1	0.9719	0.5249	-0.0569	2.0007	3.43	0.0641
int	1	-1.3489	0.6586	-2.6398	-0.0579	4.19	0.0406
C	1	-0.0587	0.1467	-0.3463	0.2289	0.16	0.6891
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA123
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	34
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	34
2	0	966

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-144.6784	
Full Log Likelihood		-144.6784	
AIC (smaller is better)		299.3567	
AICC (smaller is better)		299.4171	
BIC (smaller is better)		323.8955	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.16310	-0.14283	-0.12794	0.13876	-0.02510
Prm2	-0.14283	0.22540	0.13771	-0.22480	0.003657
Prm3	-0.12794	0.13771	0.21866	-0.21344	-0.01210
Prm4	0.13876	-0.22480	-0.21344	0.62696	0.0006562
Prm5	-0.02510	0.003657	-0.01210	0.0006562	0.02655

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8229	0.4039	-4.6145	-3.0314	89.61	<.0001
A	1	0.9045	0.4748	-0.0260	1.8350	3.63	0.0568
M_bin	1	0.4719	0.4676	-0.4446	1.3884	1.02	0.3129
int	1	-1.8819	0.7918	-3.4338	-0.3300	5.65	0.0175
C	1	0.1080	0.1630	-0.2114	0.4273	0.44	0.5076
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA124
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	48
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	48
2	0	952

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-190.7130		
Full Log Likelihood		-190.7130		
AIC (smaller is better)		391.4260		
AICC (smaller is better)		391.4864		
BIC (smaller is better)		415.9648		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.11978	-0.10562	-0.10197	0.10543	-0.01497
Prm2	-0.10562	0.19409	0.10887	-0.19412	-0.002732
Prm3	-0.10197	0.10887	0.17386	-0.17217	-0.007301
Prm4	0.10543	-0.19412	-0.17217	0.32950	0.002968
Prm5	-0.01497	-0.002732	-0.007301	0.002968	0.01872

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4987	0.3461	-4.1771	-2.8204	102.19	<.0001
A	1	0.6243	0.4406	-0.2392	1.4878	2.01	0.1565
M_bin	1	0.5667	0.4170	-0.2506	1.3839	1.85	0.1741
int	1	-0.4436	0.5740	-1.5687	0.6815	0.60	0.4397
C	1	-0.0219	0.1368	-0.2901	0.2463	0.03	0.8729
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA125
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	51
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	51
2	0	949

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-194.9506		
Full Log Likelihood		-194.9506		
AIC (smaller is better)		399.9013		
AICC (smaller is better)		399.9616		
BIC (smaller is better)		424.4400		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.14648	-0.13936	-0.13606	0.14081	-0.01141
Prm2	-0.13936	0.19246	0.13907	-0.19250	0.0003139
Prm3	-0.13606	0.13907	0.19934	-0.19733	-0.004836
Prm4	0.14081	-0.19250	-0.19733	0.33797	-0.002578
Prm5	-0.01141	0.0003139	-0.004836	-0.002578	0.01778

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5369	0.3827	-4.2871	-2.7868	85.40	<.0001
A	1	1.2889	0.4387	0.4291	2.1488	8.63	0.0033
M_bin	1	0.8775	0.4465	0.0024	1.7525	3.86	0.0494
int	1	-1.3892	0.5814	-2.5286	-0.2497	5.71	0.0169
C	1	-0.2319	0.1334	-0.4933	0.0294	3.02	0.0820
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA126
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	34
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	34
2	0	966

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-145.1887		
Full Log Likelihood		-145.1887		
AIC (smaller is better)		300.3775		
AICC (smaller is better)		300.4379		
BIC (smaller is better)		324.9163		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.17760	-0.16034	-0.15416	0.15977	-0.01989
Prm2	-0.16034	0.23043	0.16457	-0.23054	-0.003588
Prm3	-0.15416	0.16457	0.30731	-0.30393	-0.01199
Prm4	0.15977	-0.23054	-0.30393	0.50843	0.004356
Prm5	-0.01989	-0.003588	-0.01199	0.004356	0.02704

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.7994	0.4214	-4.6254	-2.9734	81.28	<.0001
A	1	1.0353	0.4800	0.0944	1.9761	4.65	0.0310
M_bin	1	0.1983	0.5544	-0.8882	1.2848	0.13	0.7206
int	1	-0.9643	0.7130	-2.3618	0.4332	1.83	0.1763
C	1	-0.0147	0.1644	-0.3370	0.3076	0.01	0.9286
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA127
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	48
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	48
2	0	952

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-184.6513	
Full Log Likelihood		-184.6513	
AIC (smaller is better)		379.3026	
AICC (smaller is better)		379.3630	
BIC (smaller is better)		403.8414	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25703	-0.24600	-0.24067	0.24499	-0.01400
Prm2	-0.24600	0.31314	0.24692	-0.31320	-0.000784
Prm3	-0.24067	0.24692	0.29639	-0.29395	-0.007931
Prm4	0.24499	-0.31320	-0.29395	0.45485	0.002146
Prm5	-0.01400	-0.000784	-0.007931	0.002146	0.01877

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2051	0.5070	-5.1988	-3.2115	68.80	<.0001
A	1	1.6221	0.5596	0.5253	2.7189	8.40	0.0037
M_bin	1	1.7033	0.5444	0.6363	2.7704	9.79	0.0018
int	1	-1.9876	0.6744	-3.3094	-0.6657	8.69	0.0032
C	1	-0.1324	0.1370	-0.4009	0.1362	0.93	0.3339
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA128
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	45
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	45
2	0	955

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-181.2120		
Full Log Likelihood		-181.2120		
AIC (smaller is better)		372.4240		
AICC (smaller is better)		372.4843		
BIC (smaller is better)		396.9627		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.15338	-0.13873	-0.13424	0.13977	-0.01689
Prm2	-0.13873	0.24534	0.13949	-0.24530	-0.000670
Prm3	-0.13424	0.13949	0.20035	-0.19836	-0.006066
Prm4	0.13977	-0.24530	-0.19836	0.37684	-0.000568
Prm5	-0.01689	-0.000670	-0.006066	-0.000568	0.02025

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6632	0.3916	-4.4308	-2.8957	87.49	<.0001
A	1	0.6076	0.4953	-0.3632	1.5784	1.50	0.2199
M_bin	1	0.7484	0.4476	-0.1289	1.6257	2.80	0.0945
int	1	-0.4571	0.6139	-1.6603	0.7460	0.55	0.4565
C	1	-0.0341	0.1423	-0.3130	0.2448	0.06	0.8105
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA129
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	30
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	30
2	0	970

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-130.2225		
Full Log Likelihood		-130.2225		
AIC (smaller is better)		270.4450		
AICC (smaller is better)		270.5053		
BIC (smaller is better)		294.9837		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26556	-0.24731	-0.23945	0.24888	-0.02404
Prm2	-0.24731	0.34197	0.24668	-0.34201	0.0005856
Prm3	-0.23945	0.24668	0.33651	-0.33278	-0.009521
Prm4	0.24888	-0.34201	-0.33278	0.62456	-0.002601
Prm5	-0.02404	0.0005856	-0.009521	-0.002601	0.03091

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.3102	0.5153	-5.3202	-3.3002	69.96	<.0001
A	1	1.3582	0.5848	0.2121	2.5044	5.39	0.0202
M_bin	1	1.3265	0.5801	0.1895	2.4634	5.23	0.0222
int	1	-2.1038	0.7903	-3.6527	-0.5549	7.09	0.0078
C	1	-0.0905	0.1758	-0.4350	0.2541	0.26	0.6069
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA130
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	34
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	34
2	0	966

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-144.1680		
Full Log Likelihood		-144.1680		
AIC (smaller is better)		298.3359		
AICC (smaller is better)		298.3963		
BIC (smaller is better)		322.8747		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.21048	-0.19691	-0.18980	0.19608	-0.01952
Prm2	-0.19691	0.35810	0.19631	-0.35807	0.0005733
Prm3	-0.18980	0.19631	0.25855	-0.25553	-0.009357
Prm4	0.19608	-0.35807	-0.25553	0.55493	0.0005930
Prm5	-0.01952	0.0005733	-0.009357	0.0005930	0.02724

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9284	0.4588	-4.8276	-3.0292	73.32	<.0001
A	1	0.5528	0.5984	-0.6201	1.7257	0.85	0.3556
M_bin	1	1.2784	0.5085	0.2818	2.2750	6.32	0.0119
int	1	-1.1045	0.7449	-2.5645	0.3556	2.20	0.1382
C	1	-0.1929	0.1650	-0.5163	0.1306	1.37	0.2426
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA131
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	31
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	31
2	0	969

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-137.1565		
Full Log Likelihood		-137.1565		
AIC (smaller is better)		284.3130		
AICC (smaller is better)		284.3733		
BIC (smaller is better)		308.8518		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.15387	-0.13555	-0.13376	0.13595	-0.02070
Prm2	-0.13555	0.30135	0.14111	-0.30124	-0.005727
Prm3	-0.13376	0.14111	0.23807	-0.23720	-0.008302
Prm4	0.13595	-0.30124	-0.23720	0.51814	0.005151
Prm5	-0.02070	-0.005727	-0.008302	0.005151	0.02985

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6551	0.3923	-4.4239	-2.8863	86.82	<.0001
A	1	0.4537	0.5490	-0.6222	1.5296	0.68	0.4085
M_bin	1	0.5211	0.4879	-0.4352	1.4774	1.14	0.2855
int	1	-0.5495	0.7198	-1.9603	0.8614	0.58	0.4453
C	1	-0.1680	0.1728	-0.5066	0.1706	0.95	0.3309
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA132
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	36
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	36
2	0	964

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-150.6467		
Full Log Likelihood		-150.6467		
AIC (smaller is better)		311.2935		
AICC (smaller is better)		311.3539		
BIC (smaller is better)		335.8323		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.18238	-0.16267	-0.15362	0.15956	-0.02240
Prm2	-0.16267	0.24183	0.16331	-0.24190	-0.000498
Prm3	-0.15362	0.16331	0.36396	-0.36104	-0.01102
Prm4	0.15956	-0.24190	-0.36104	0.51140	0.004120
Prm5	-0.02240	-0.000498	-0.01102	0.004120	0.02603

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8145	0.4271	-4.6515	-2.9775	79.78	<.0001
A	1	0.9523	0.4918	-0.0115	1.9162	3.75	0.0528
M_bin	1	-0.1007	0.6033	-1.2831	1.0818	0.03	0.8675
int	1	0.0936	0.7151	-1.3080	1.4952	0.02	0.8959
C	1	-0.0364	0.1613	-0.3526	0.2799	0.05	0.8217
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA133
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	33
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	33
2	0	967

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-141.6860	
Full Log Likelihood		-141.6860	
AIC (smaller is better)		293.3721	
AICC (smaller is better)		293.4324	
BIC (smaller is better)		317.9108	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.22345	-0.19813	-0.18432	0.19170	-0.02703
Prm2	-0.19813	0.39180	0.19588	-0.39143	0.001556
Prm3	-0.18432	0.19588	0.26981	-0.26645	-0.01233
Prm4	0.19170	-0.39143	-0.26645	0.56701	0.004913
Prm5	-0.02703	0.001556	-0.01233	0.004913	0.02720

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1570	0.4727	-5.0835	-3.2305	77.34	<.0001
A	1	0.3592	0.6259	-0.8676	1.5860	0.33	0.5661
M_bin	1	1.0955	0.5194	0.0774	2.1136	4.45	0.0349
int	1	-0.6458	0.7530	-2.1217	0.8300	0.74	0.3911
C	1	0.0841	0.1649	-0.2391	0.4073	0.26	0.6100
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA134
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	39
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	39
2	0	961

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-158.3031		
Full Log Likelihood		-158.3031		
AIC (smaller is better)		326.6063		
AICC (smaller is better)		326.6666		
BIC (smaller is better)		351.1450		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.21006	-0.19856	-0.19157	0.19790	-0.01775
Prm2	-0.19856	0.31629	0.19560	-0.31618	0.002847
Prm3	-0.19157	0.19560	0.24444	-0.24222	-0.006224
Prm4	0.19790	-0.31618	-0.24222	0.52501	-0.001993
Prm5	-0.01775	0.002847	-0.006224	-0.001993	0.02302

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9073	0.4583	-4.8056	-3.0090	72.68	<.0001
A	1	0.8533	0.5624	-0.2490	1.9556	2.30	0.1292
M_bin	1	1.4198	0.4944	0.4507	2.3888	8.25	0.0041
int	1	-1.9194	0.7246	-3.3395	-0.4992	7.02	0.0081
C	1	-0.1462	0.1517	-0.4436	0.1511	0.93	0.3351
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA135
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	54
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	54
2	0	946

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-201.9830		
Full Log Likelihood		-201.9830		
AIC (smaller is better)		413.9659		
AICC (smaller is better)		414.0263		
BIC (smaller is better)		438.5047		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.16990	-0.16434	-0.15808	0.16163	-0.01049
Prm2	-0.16434	0.26908	0.16233	-0.26862	0.001785
Prm3	-0.15808	0.16233	0.20693	-0.20421	-0.008032
Prm4	0.16163	-0.26862	-0.20421	0.36685	0.002465
Prm5	-0.01049	0.001785	-0.008032	0.002465	0.01645

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.7653	0.4122	-4.5731	-2.9574	83.45	<.0001
A	1	0.8267	0.5187	-0.1899	1.8434	2.54	0.1110
M_bin	1	1.4974	0.4549	0.6058	2.3890	10.84	0.0010
int	1	-0.9905	0.6057	-2.1777	0.1966	2.67	0.1020
C	1	-0.1988	0.1283	-0.4502	0.0527	2.40	0.1213
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA136
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	47
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	47
2	0	953

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-183.4231		
Full Log Likelihood		-183.4231		
AIC (smaller is better)		376.8461		
AICC (smaller is better)		376.9065		
BIC (smaller is better)		401.3849		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.21057	-0.19556	-0.18745	0.19059	-0.01718
Prm2	-0.19556	0.28268	0.19728	-0.28305	-0.001281
Prm3	-0.18745	0.19728	0.28205	-0.27999	-0.01125
Prm4	0.19059	-0.28305	-0.27999	0.41318	0.007395
Prm5	-0.01718	-0.001281	-0.01125	0.007395	0.02113

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0702	0.4589	-4.9695	-3.1708	78.67	<.0001
A	1	1.1542	0.5317	0.1121	2.1963	4.71	0.0299
M_bin	1	1.0087	0.5311	-0.0322	2.0496	3.61	0.0575
int	1	-0.6403	0.6428	-1.9002	0.6195	0.99	0.3192
C	1	-0.0049	0.1454	-0.2898	0.2800	0.00	0.9732
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA137
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	30
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	30
2	0	970

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-126.2698		
Full Log Likelihood		-126.2698		
AIC (smaller is better)		262.5395		
AICC (smaller is better)		262.5999		
BIC (smaller is better)		287.0783		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.36484	-0.33170	-0.32002	0.32440	-0.03279
Prm2	-0.33170	0.40162	0.32940	-0.40125	0.001682
Prm3	-0.32002	0.32940	0.57907	-0.57783	-0.009283
Prm4	0.32440	-0.40125	-0.57783	0.74440	0.005171
Prm5	-0.03279	0.001682	-0.009283	0.005171	0.03078

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.7128	0.6040	-5.8966	-3.5289	60.88	<.0001
A	1	1.9100	0.6337	0.6680	3.1521	9.08	0.0026
M_bin	1	0.3139	0.7610	-1.1776	1.8053	0.17	0.6800
int	1	-0.7852	0.8628	-2.4762	0.9058	0.83	0.3628
C	1	0.1185	0.1754	-0.2254	0.4623	0.46	0.4995
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA138
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	41
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	41
2	0	959

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-163.6393		
Full Log Likelihood		-163.6393		
AIC (smaller is better)		337.2786		
AICC (smaller is better)		337.3390		
BIC (smaller is better)		361.8174		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.34372	-0.33000	-0.32337	0.32964	-0.01715
Prm2	-0.33000	0.41546	0.33020	-0.41547	-0.000169
Prm3	-0.32337	0.33020	0.39666	-0.39354	-0.008540
Prm4	0.32964	-0.41547	-0.39354	0.55740	0.0006239
Prm5	-0.01715	-0.000169	-0.008540	0.0006239	0.02165

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.5987	0.5863	-5.7477	-3.4496	61.53	<.0001
A	1	1.8564	0.6446	0.5931	3.1197	8.29	0.0040
M_bin	1	1.7276	0.6298	0.4932	2.9620	7.52	0.0061
int	1	-1.8185	0.7466	-3.2818	-0.3552	5.93	0.0149
C	1	-0.0629	0.1471	-0.3513	0.2255	0.18	0.6691
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA139
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	42
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	42
2	0	958

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-168.3245		
Full Log Likelihood		-168.3245		
AIC (smaller is better)		346.6489		
AICC (smaller is better)		346.7093		
BIC (smaller is better)		371.1877		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26059	-0.24584	-0.23976	0.24555	-0.01692
Prm2	-0.24584	0.31903	0.24724	-0.31905	-0.001135
Prm3	-0.23976	0.24724	0.31792	-0.31498	-0.008588
Prm4	0.24555	-0.31905	-0.31498	0.47296	0.001489
Prm5	-0.01692	-0.001135	-0.008588	0.001489	0.02071

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.3221	0.5105	-5.3226	-3.3215	71.68	<.0001
A	1	1.5607	0.5648	0.4537	2.6677	7.63	0.0057
M_bin	1	1.4388	0.5638	0.3337	2.5439	6.51	0.0107
int	1	-1.6179	0.6877	-2.9658	-0.2700	5.53	0.0186
C	1	-0.0338	0.1439	-0.3159	0.2483	0.06	0.8145
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA140
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	40
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	40
2	0	960

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-166.3774		
Full Log Likelihood		-166.3774		
AIC (smaller is better)		342.7549		
AICC (smaller is better)		342.8153		
BIC (smaller is better)		367.2937		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.13992	-0.12417	-0.11703	0.12237	-0.02015
Prm2	-0.12417	0.20802	0.12118	-0.20779	0.002629
Prm3	-0.11703	0.12118	0.20273	-0.20133	-0.005309
Prm4	0.12237	-0.20779	-0.20133	0.39384	-0.000626
Prm5	-0.02015	0.002629	-0.005309	-0.000626	0.02242

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6548	0.3741	-4.3880	-2.9217	95.47	<.0001
A	1	0.7648	0.4561	-0.1291	1.6587	2.81	0.0936
M_bin	1	0.5453	0.4503	-0.3372	1.4278	1.47	0.2258
int	1	-0.8102	0.6276	-2.0402	0.4198	1.67	0.1967
C	1	-0.0132	0.1497	-0.3066	0.2803	0.01	0.9300
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA141
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	39
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	39
2	0	961

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-160.9505		
Full Log Likelihood		-160.9505		
AIC (smaller is better)		331.9011		
AICC (smaller is better)		331.9614		
BIC (smaller is better)		356.4398		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20730	-0.19448	-0.18725	0.19219	-0.01600
Prm2	-0.19448	0.33483	0.19858	-0.33529	-0.003270
Prm3	-0.18725	0.19858	0.26796	-0.26360	-0.01413
Prm4	0.19219	-0.33529	-0.26360	0.47830	0.006712
Prm5	-0.01600	-0.003270	-0.01413	0.006712	0.02406

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0800	0.4553	-4.9724	-3.1877	80.30	<.0001
A	1	0.7661	0.5786	-0.3680	1.9002	1.75	0.1855
M_bin	1	1.1991	0.5176	0.1846	2.2137	5.37	0.0205
int	1	-0.8332	0.6916	-2.1887	0.5223	1.45	0.2283
C	1	-0.0163	0.1551	-0.3203	0.2877	0.01	0.9165
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA142
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	37
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	37
2	0	963

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-150.6968		
Full Log Likelihood		-150.6968		
AIC (smaller is better)		311.3937		
AICC (smaller is better)		311.4540		
BIC (smaller is better)		335.9325		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.33679	-0.32892	-0.32463	0.32913	-0.01284
Prm2	-0.32892	0.43554	0.33059	-0.43551	-0.001763
Prm3	-0.32463	0.33059	0.38886	-0.38545	-0.009737
Prm4	0.32913	-0.43551	-0.38545	0.61092	0.001386
Prm5	-0.01284	-0.001763	-0.009737	0.001386	0.02384

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.4726	0.5803	-5.6100	-3.3352	59.40	<.0001
A	1	1.5904	0.6600	0.2970	2.8839	5.81	0.0160
M_bin	1	1.9174	0.6236	0.6952	3.1396	9.45	0.0021
int	1	-2.1558	0.7816	-3.6878	-0.6239	7.61	0.0058
C	1	-0.2195	0.1544	-0.5221	0.0831	2.02	0.1552
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA143
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	34
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	34
2	0	966

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-134.4521	
Full Log Likelihood		-134.4521	
AIC (smaller is better)		278.9041	
AICC (smaller is better)		278.9645	
BIC (smaller is better)		303.4429	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.27310	-0.17478	-0.14619	0	-0.01935
Prm2	-0.17478	0.17448	0.06675	0	0.0004621
Prm3	-0.14619	0.06675	0.15525	0	-0.009066
Prm4	0	0	0	0	0
Prm5	-0.01935	0.0004621	-0.009066	0	0.02844

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-28.1210	0.5226	-29.1453	-27.0967	2895.58	<.0001
A	1	25.4185	0.4177	24.5998	26.2372	3703.08	<.0001
M_bin	1	24.8574	0.3940	24.0851	25.6296	3980.05	<.0001
int	0	-24.7234	0.0000	-24.7234	-24.7234	.	.
C	1	-0.2078	0.1686	-0.5383	0.1228	1.52	0.2179
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA144
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	47
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	47
2	0	953

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-181.6809	
Full Log Likelihood		-181.6809	
AIC (smaller is better)		373.3619	
AICC (smaller is better)		373.4223	
BIC (smaller is better)		397.9007	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25649	-0.24620	-0.24225	0.24698	-0.01420
Prm2	-0.24620	0.30813	0.24645	-0.30811	-0.000251
Prm3	-0.24225	0.24645	0.29965	-0.29772	-0.005782
Prm4	0.24698	-0.30811	-0.29772	0.45567	-0.000853
Prm5	-0.01420	-0.000251	-0.005782	-0.000853	0.01992

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1403	0.5065	-5.1329	-3.1477	66.83	<.0001
A	1	1.6307	0.5551	0.5428	2.7187	8.63	0.0033
M_bin	1	1.6367	0.5474	0.5638	2.7096	8.94	0.0028
int	1	-2.1786	0.6750	-3.5016	-0.8555	10.42	0.0012
C	1	-0.1484	0.1411	-0.4251	0.1282	1.11	0.2930
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA145
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	55
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	55
2	0	945

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-206.2085		
Full Log Likelihood		-206.2085		
AIC (smaller is better)		422.4169		
AICC (smaller is better)		422.4773		
BIC (smaller is better)		446.9557		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.17279	-0.16536	-0.15950	0.16616	-0.01319
Prm2	-0.16536	0.21733	0.16210	-0.21753	0.003229
Prm3	-0.15950	0.16210	0.23734	-0.23501	-0.004622
Prm4	0.16616	-0.21753	-0.23501	0.33953	-0.004303
Prm5	-0.01319	0.003229	-0.004622	-0.004303	0.01768

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.7138	0.4157	-4.5285	-2.8991	79.82	<.0001
A	1	1.3208	0.4662	0.4071	2.2345	8.03	0.0046
M_bin	1	0.8144	0.4872	-0.1405	1.7692	2.79	0.0946
int	1	-0.8441	0.5827	-1.9862	0.2979	2.10	0.1474
C	1	-0.1338	0.1330	-0.3944	0.1269	1.01	0.3145
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA146
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	49
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	49
2	0	951

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-192.1208		
Full Log Likelihood		-192.1208		
AIC (smaller is better)		394.2417		
AICC (smaller is better)		394.3020		
BIC (smaller is better)		418.7804		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.12079	-0.10667	-0.10345	0.10759	-0.01547
Prm2	-0.10667	0.21374	0.10849	-0.21364	-0.001627
Prm3	-0.10345	0.10849	0.15376	-0.15228	-0.005528
Prm4	0.10759	-0.21364	-0.15228	0.35297	0.0005105
Prm5	-0.01547	-0.001627	-0.005528	0.0005105	0.01874

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5613	0.3475	-4.2425	-2.8801	105.00	<.0001
A	1	0.5812	0.4623	-0.3250	1.4873	1.58	0.2087
M_bin	1	0.9758	0.3921	0.2072	1.7443	6.19	0.0128
int	1	-1.0130	0.5941	-2.1774	0.1515	2.91	0.0882
C	1	-0.0228	0.1369	-0.2911	0.2455	0.03	0.8677
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA147
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	44
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	44
2	0	956

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-177.5582		
Full Log Likelihood		-177.5582		
AIC (smaller is better)		365.1165		
AICC (smaller is better)		365.1768		
BIC (smaller is better)		389.6552		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.15236	-0.14005	-0.13243	0.13779	-0.01680
Prm2	-0.14005	0.22466	0.13892	-0.22453	0.0009524
Prm3	-0.13243	0.13892	0.19851	-0.19569	-0.008848
Prm4	0.13779	-0.22453	-0.19569	0.38675	0.001958
Prm5	-0.01680	0.0009524	-0.008848	0.001958	0.02162

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5958	0.3903	-4.3608	-2.8307	84.86	<.0001
A	1	0.9023	0.4740	-0.0267	1.8313	3.62	0.0570
M_bin	1	0.8536	0.4455	-0.0196	1.7269	3.67	0.0554
int	1	-1.1798	0.6219	-2.3987	0.0391	3.60	0.0578
C	1	-0.1397	0.1470	-0.4279	0.1485	0.90	0.3420
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA148
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	28
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	28
2	0	972

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-117.0839		
Full Log Likelihood		-117.0839		
AIC (smaller is better)		244.1678		
AICC (smaller is better)		244.2281		
BIC (smaller is better)		268.7065		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	1.02197	-0.99463	-0.98672	0.99560	-0.02850
Prm2	-0.99463	1.06340	0.99740	-1.06333	-0.002241
Prm3	-0.98672	0.99740	1.09701	-1.09354	-0.01114
Prm4	0.99560	-1.06333	-1.09354	1.48824	0.001149
Prm5	-0.02850	-0.002241	-0.01114	0.001149	0.03204

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-5.7488	1.0109	-7.7302	-3.7675	32.34	<.0001
A	1	2.9898	1.0312	0.9687	5.0109	8.41	0.0037
M_bin	1	2.3159	1.0474	0.2631	4.3688	4.89	0.0270
int	1	-3.8568	1.2199	-6.2478	-1.4657	9.99	0.0016
C	1	0.0604	0.1790	-0.2904	0.4113	0.11	0.7356
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA149
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	41
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	41
2	0	959

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-162.4151	
Full Log Likelihood		-162.4151	
AIC (smaller is better)		334.8302	
AICC (smaller is better)		334.8905	
BIC (smaller is better)		359.3689	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.24917	-0.24564	-0.24123	0.24471	-0.008945
Prm2	-0.24564	0.35004	0.24590	-0.35007	-0.000284
Prm3	-0.24123	0.24590	0.31401	-0.30938	-0.01186
Prm4	0.24471	-0.35007	-0.30938	0.48484	0.002719
Prm5	-0.008945	-0.000284	-0.01186	0.002719	0.02342

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0073	0.4992	-4.9856	-3.0289	64.45	<.0001
A	1	1.2746	0.5916	0.1150	2.4342	4.64	0.0312
M_bin	1	1.5842	0.5604	0.4859	2.6825	7.99	0.0047
int	1	-1.3772	0.6963	-2.7420	-0.0125	3.91	0.0479
C	1	-0.4330	0.1530	-0.7329	-0.1331	8.01	0.0047
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA150
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	35
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	35
2	0	965

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-148.0381		
Full Log Likelihood		-148.0381		
AIC (smaller is better)		306.0762		
AICC (smaller is better)		306.1365		
BIC (smaller is better)		330.6150		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.16062	-0.13634	-0.13034	0.13249	-0.02354
Prm2	-0.13634	0.24565	0.14024	-0.24615	-0.003033
Prm3	-0.13034	0.14024	0.20572	-0.20484	-0.009602
Prm4	0.13249	-0.24615	-0.20484	0.55644	0.007251
Prm5	-0.02354	-0.003033	-0.009602	0.007251	0.02576

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6515	0.4008	-4.4370	-2.8660	83.01	<.0001
A	1	0.5240	0.4956	-0.4474	1.4955	1.12	0.2904
M_bin	1	0.7285	0.4536	-0.1605	1.6174	2.58	0.1083
int	1	-1.7685	0.7460	-3.2305	-0.3065	5.62	0.0178
C	1	0.0112	0.1605	-0.3034	0.3257	0.00	0.9444
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA151
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	45
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	45
2	0	955

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-1.79769E308	
Full Log Likelihood		0.0000	
AIC (smaller is better)		10.0000	
AICC (smaller is better)		10.0604	
BIC (smaller is better)		34.5388	

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0	0	0	0	0
Prm2	0	0	0	0	0
Prm3	0	0	0	0	0
Prm4	0	0	0	0	0
Prm5	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-1.2457	0.0000	-1.2457	-1.2457	.	.
A	0	1.0593	0.0000	1.0593	1.0593	.	.
M_bin	0	0.9226	0.0000	0.9226	0.9226	.	.
int	0	-1.0926	0.0000	-1.0926	-1.0926	.	.
C	0	-0.1777	0.0000	-0.1777	-0.1777	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA152
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	29
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	29
2	0	971

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-126.1344		
Full Log Likelihood		-126.1344		
AIC (smaller is better)		262.2689		
AICC (smaller is better)		262.3292		
BIC (smaller is better)		286.8076		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.51941	-0.49727	-0.48569	0.49554	-0.02747
Prm2	-0.49727	0.63414	0.49642	-0.63409	0.0006868
Prm3	-0.48569	0.49642	0.58177	-0.57700	-0.01332
Prm4	0.49554	-0.63409	-0.57700	0.83466	0.001405
Prm5	-0.02747	0.0006868	-0.01332	0.001405	0.03323

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-5.0291	0.7207	-6.4416	-3.6165	48.69	<.0001
A	1	1.7518	0.7963	0.1910	3.3125	4.84	0.0278
M_bin	1	1.8737	0.7627	0.3788	3.3687	6.03	0.0140
int	1	-1.9886	0.9136	-3.7792	-0.1979	4.74	0.0295
C	1	0.0104	0.1823	-0.3469	0.3676	0.00	0.9547
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA153
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	34
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	34
2	0	966

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-137.2955		
Full Log Likelihood		-137.2955		
AIC (smaller is better)		284.5910		
AICC (smaller is better)		284.6514		
BIC (smaller is better)		309.1298		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	1.00857	-0.99613	-0.99074	0.99586	-0.01727
Prm2	-0.99613	1.10206	0.99620	-1.10206	-0.000069
Prm3	-0.99074	0.99620	1.04767	-1.04542	-0.007578
Prm4	0.99586	-1.10206	-1.04542	1.34694	0.0004350
Prm5	-0.01727	-0.000069	-0.007578	0.0004350	0.02407

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-5.4711	1.0043	-7.4395	-3.5028	29.68	<.0001
A	1	2.5116	1.0498	0.4541	4.5692	5.72	0.0167
M_bin	1	2.9131	1.0236	0.9070	4.9192	8.10	0.0044
int	1	-3.6661	1.1606	-5.9408	-1.3914	9.98	0.0016
C	1	-0.1533	0.1551	-0.4574	0.1507	0.98	0.3230
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA154
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	30
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	30
2	0	970

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-129.2332		
Full Log Likelihood		-129.2332		
AIC (smaller is better)		268.4664		
AICC (smaller is better)		268.5267		
BIC (smaller is better)		293.0051		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.53290	-0.49731	-0.48436	0.49630	-0.03443
Prm2	-0.49731	0.59126	0.49596	-0.59124	0.0009595
Prm3	-0.48436	0.49596	0.60763	-0.60374	-0.01121
Prm4	0.49630	-0.59124	-0.60374	0.80529	-0.000016
Prm5	-0.03443	0.0009595	-0.01121	-0.000016	0.03238

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-5.1267	0.7300	-6.5574	-3.6959	49.32	<.0001
A	1	1.9216	0.7689	0.4145	3.4287	6.25	0.0125
M_bin	1	1.4181	0.7795	-0.1097	2.9459	3.31	0.0689
int	1	-1.7023	0.8974	-3.4612	0.0565	3.60	0.0578
C	1	0.1943	0.1799	-0.1584	0.5469	1.17	0.2804
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA155
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	43
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	43
2	0	957

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-175.9427		
Full Log Likelihood		-175.9427		
AIC (smaller is better)		361.8854		
AICC (smaller is better)		361.9457		
BIC (smaller is better)		386.4242		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.10909	-0.09772	-0.09098	0.09579	-0.01593
Prm2	-0.09772	0.21648	0.09623	-0.21632	0.001306
Prm3	-0.09098	0.09623	0.18646	-0.18423	-0.007362
Prm4	0.09579	-0.21632	-0.18423	0.37070	0.001168
Prm5	-0.01593	0.001306	-0.007362	0.001168	0.02049

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3372	0.3303	-3.9845	-2.6898	102.09	<.0001
A	1	0.2456	0.4653	-0.6663	1.1575	0.28	0.5976
M_bin	1	0.2728	0.4318	-0.5735	1.1192	0.40	0.5275
int	1	0.1090	0.6089	-1.0843	1.3023	0.03	0.8579
C	1	-0.1037	0.1431	-0.3843	0.1768	0.53	0.4686
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA156
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	39
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	39
2	0	961

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-158.7216		
Full Log Likelihood		-158.7216		
AIC (smaller is better)		327.4432		
AICC (smaller is better)		327.5036		
BIC (smaller is better)		351.9820		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20010	-0.19589	-0.19125	0.19558	-0.009664
Prm2	-0.19589	0.31495	0.19704	-0.31499	-0.001260
Prm3	-0.19125	0.19704	0.27080	-0.26485	-0.01328
Prm4	0.19558	-0.31499	-0.26485	0.46112	0.002041
Prm5	-0.009664	-0.001260	-0.01328	0.002041	0.02508

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9482	0.4473	-4.8250	-3.0715	77.91	<.0001
A	1	1.0889	0.5612	-0.0111	2.1888	3.76	0.0524
M_bin	1	1.3198	0.5204	0.2998	2.3397	6.43	0.0112
int	1	-1.0989	0.6791	-2.4298	0.2320	2.62	0.1056
C	1	-0.3276	0.1584	-0.6380	-0.0172	4.28	0.0386
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA157
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	55
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	55
2	0	945

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-202.1677		
Full Log Likelihood		-202.1677		
AIC (smaller is better)		414.3354		
AICC (smaller is better)		414.3958		
BIC (smaller is better)		438.8742		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.33662	-0.32875	-0.32578	0.32822	-0.01056
Prm2	-0.32875	0.38000	0.32977	-0.38005	-0.000987
Prm3	-0.32578	0.32977	0.38620	-0.38497	-0.005347
Prm4	0.32822	-0.38005	-0.38497	0.48974	0.001768
Prm5	-0.01056	-0.000987	-0.005347	0.001768	0.01550

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.3302	0.5802	-5.4673	-3.1931	55.70	<.0001
A	1	2.0593	0.6164	0.8511	3.2675	11.16	0.0008
M_bin	1	1.8032	0.6215	0.5852	3.0212	8.42	0.0037
int	1	-2.0010	0.6998	-3.3726	-0.6294	8.18	0.0042
C	1	-0.2066	0.1245	-0.4506	0.0374	2.75	0.0971
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA158
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	27
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	27
2	0	973

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-120.9417		
Full Log Likelihood		-120.9417		
AIC (smaller is better)		251.8834		
AICC (smaller is better)		251.9437		
BIC (smaller is better)		276.4222		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.17844	-0.14085	-0.13104	0.13750	-0.03550
Prm2	-0.14085	0.23430	0.13907	-0.23417	0.001335
Prm3	-0.13104	0.13907	0.28017	-0.27879	-0.007579
Prm4	0.13750	-0.23417	-0.27879	0.70253	0.001712
Prm5	-0.03550	0.001335	-0.007579	0.001712	0.03226

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8604	0.4224	-4.6883	-3.0325	83.52	<.0001
A	1	0.7528	0.4840	-0.1959	1.7015	2.42	0.1199
M_bin	1	0.0718	0.5293	-0.9656	1.1093	0.02	0.8921
int	1	-1.5094	0.8382	-3.1522	0.1333	3.24	0.0717
C	1	0.1233	0.1796	-0.2287	0.4753	0.47	0.4924
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA159
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	43
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	43
2	0	957

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-171.9665		
Full Log Likelihood		-171.9665		
AIC (smaller is better)		353.9330		
AICC (smaller is better)		353.9933		
BIC (smaller is better)		378.4717		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.17085	-0.16430	-0.16186	0.16768	-0.01269
Prm2	-0.16430	0.24820	0.16269	-0.24880	0.002271
Prm3	-0.16186	0.16269	0.22551	-0.22477	-0.001614
Prm4	0.16768	-0.24880	-0.22477	0.39982	-0.007644
Prm5	-0.01269	0.002271	-0.001614	-0.007644	0.02018

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6387	0.4133	-4.4488	-2.8286	77.49	<.0001
A	1	0.9930	0.4982	0.0165	1.9694	3.97	0.0462
M_bin	1	1.0261	0.4749	0.0953	1.9568	4.67	0.0307
int	1	-1.1379	0.6323	-2.3772	0.1014	3.24	0.0719
C	1	-0.3061	0.1421	-0.5845	-0.0277	4.64	0.0312
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA160
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	45
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	45
2	0	955

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-178.4929		
Full Log Likelihood		-178.4929		
AIC (smaller is better)		366.9858		
AICC (smaller is better)		367.0461		
BIC (smaller is better)		391.5245		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26019	-0.24795	-0.24331	0.25007	-0.01657
Prm2	-0.24795	0.32459	0.24584	-0.32485	0.002077
Prm3	-0.24331	0.24584	0.30573	-0.30433	-0.003425
Prm4	0.25007	-0.32485	-0.30433	0.45731	-0.004578
Prm5	-0.01657	0.002077	-0.003425	-0.004578	0.01962

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1041	0.5101	-5.1039	-3.1044	64.74	<.0001
A	1	1.3942	0.5697	0.2776	2.5109	5.99	0.0144
M_bin	1	1.3409	0.5529	0.2572	2.4247	5.88	0.0153
int	1	-1.4795	0.6762	-2.8049	-0.1541	4.79	0.0287
C	1	-0.1037	0.1401	-0.3782	0.1708	0.55	0.4591
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA161
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	35
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	35
2	0	965

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-144.2611		
Full Log Likelihood		-144.2611		
AIC (smaller is better)		298.5222		
AICC (smaller is better)		298.5826		
BIC (smaller is better)		323.0610		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.34117	-0.33151	-0.32447	0.33331	-0.01661
Prm2	-0.33151	0.42509	0.32911	-0.42535	0.002390
Prm3	-0.32447	0.32911	0.39102	-0.38678	-0.007975
Prm4	0.33331	-0.42535	-0.38678	0.64657	-0.005035
Prm5	-0.01661	0.002390	-0.007975	-0.005035	0.02446

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.4624	0.5841	-5.6072	-3.3176	58.37	<.0001
A	1	1.5582	0.6520	0.2803	2.8361	5.71	0.0169
M_bin	1	1.8732	0.6253	0.6476	3.0988	8.97	0.0027
int	1	-2.3794	0.8041	-3.9554	-0.8034	8.76	0.0031
C	1	-0.1875	0.1564	-0.4941	0.1190	1.44	0.2305
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA162
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	35
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	35
2	0	965

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-148.9168		
Full Log Likelihood		-148.9168		
AIC (smaller is better)		307.8336		
AICC (smaller is better)		307.8939		
BIC (smaller is better)		332.3724		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.21761	-0.19576	-0.18589	0.18923	-0.02409
Prm2	-0.19576	0.31655	0.19712	-0.31683	-0.001028
Prm3	-0.18589	0.19712	0.27005	-0.26834	-0.01238
Prm4	0.18923	-0.31683	-0.26834	0.50754	0.008540
Prm5	-0.02409	-0.001028	-0.01238	0.008540	0.02770

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0503	0.4665	-4.9646	-3.1360	75.39	<.0001
A	1	0.9027	0.5626	-0.2000	2.0055	2.57	0.1086
M_bin	1	1.1172	0.5197	0.0987	2.1357	4.62	0.0316
int	1	-1.2494	0.7124	-2.6457	0.1469	3.08	0.0795
C	1	-0.0492	0.1664	-0.3754	0.2770	0.09	0.7677
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA163
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	46
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	46
2	0	954

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-175.7655	
Full Log Likelihood		-175.7655	
AIC (smaller is better)		361.5311	
AICC (smaller is better)		361.5915	
BIC (smaller is better)		386.0699	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.51208	-0.49676	-0.49061	0.49570	-0.01738
Prm2	-0.49676	0.59146	0.49652	-0.59145	0.0001958
Prm3	-0.49061	0.49652	0.54080	-0.53884	-0.006705
Prm4	0.49570	-0.59145	-0.53884	0.71240	0.0009951
Prm5	-0.01738	0.0001958	-0.006705	0.0009951	0.01950

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.9948	0.7156	-6.3973	-3.5922	48.72	<.0001
A	1	2.0167	0.7691	0.5094	3.5240	6.88	0.0087
M_bin	1	2.4331	0.7354	0.9918	3.8745	10.95	0.0009
int	1	-2.4185	0.8440	-4.0728	-0.7642	8.21	0.0042
C	1	0.0088	0.1396	-0.2649	0.2824	0.00	0.9499
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA164
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	42
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	42
2	0	958

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-170.1463	
Full Log Likelihood		-170.1463	
AIC (smaller is better)		350.2925	
AICC (smaller is better)		350.3529	
BIC (smaller is better)		374.8313	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20888	-0.19529	-0.18935	0.19142	-0.01662
Prm2	-0.19529	0.27476	0.19716	-0.27513	-0.001595
Prm3	-0.18935	0.19716	0.26841	-0.26722	-0.009551
Prm4	0.19142	-0.27513	-0.26722	0.43111	0.006773
Prm5	-0.01662	-0.001595	-0.009551	0.006773	0.02226

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9615	0.4570	-4.8573	-3.0657	75.13	<.0001
A	1	1.2654	0.5242	0.2380	2.2928	5.83	0.0158
M_bin	1	1.0990	0.5181	0.0835	2.1144	4.50	0.0339
int	1	-1.3430	0.6566	-2.6299	-0.0561	4.18	0.0408
C	1	-0.1136	0.1492	-0.4061	0.1788	0.58	0.4463
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA165
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	35
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	35
2	0	965

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-146.4510		
Full Log Likelihood		-146.4510		
AIC (smaller is better)		302.9021		
AICC (smaller is better)		302.9624		
BIC (smaller is better)		327.4408		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.35002	-0.33176	-0.32146	0.33238	-0.02285
Prm2	-0.33176	0.42528	0.32920	-0.42534	0.002047
Prm3	-0.32146	0.32920	0.42986	-0.42524	-0.009679
Prm4	0.33238	-0.42534	-0.42524	0.60060	-0.002756
Prm5	-0.02285	0.002047	-0.009679	-0.002756	0.02602

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.6300	0.5916	-5.7896	-3.4704	61.24	<.0001
A	1	1.5684	0.6521	0.2902	2.8465	5.78	0.0162
M_bin	1	1.2805	0.6556	-0.0046	2.5655	3.81	0.0508
int	1	-1.2014	0.7750	-2.7203	0.3176	2.40	0.1211
C	1	0.0408	0.1613	-0.2753	0.3570	0.06	0.8003
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA166
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	45
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	45
2	0	955

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-177.3528	
Full Log Likelihood		-177.3528	
AIC (smaller is better)		364.7056	
AICC (smaller is better)		364.7659	
BIC (smaller is better)		389.2444	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25934	-0.24655	-0.24080	0.24477	-0.01603
Prm2	-0.24655	0.31825	0.24658	-0.31825	-0.000019
Prm3	-0.24080	0.24658	0.31246	-0.31067	-0.007234
Prm4	0.24477	-0.31825	-0.31067	0.45416	0.002259
Prm5	-0.01603	-0.000019	-0.007234	0.002259	0.02011

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2556	0.5093	-5.2538	-3.2575	69.83	<.0001
A	1	1.6032	0.5641	0.4975	2.7089	8.08	0.0045
M_bin	1	1.3203	0.5590	0.2247	2.4159	5.58	0.0182
int	1	-1.4513	0.6739	-2.7722	-0.1305	4.64	0.0313
C	1	-0.0424	0.1418	-0.3204	0.2356	0.09	0.7649
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA167
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	46
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	46
2	0	954

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-174.1102		
Full Log Likelihood		-174.1102		
AIC (smaller is better)		358.2204		
AICC (smaller is better)		358.2807		
BIC (smaller is better)		382.7591		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25825	-0.24382	-0.23900	0.24021	-0.01474
Prm2	-0.24382	0.29757	0.24843	-0.29843	-0.003531
Prm3	-0.23900	0.24843	0.30058	-0.29978	-0.009639
Prm4	0.24021	-0.29843	-0.29978	0.54524	0.008102
Prm5	-0.01474	-0.003531	-0.009639	0.008102	0.01868

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.3157	0.5082	-5.3117	-3.3197	72.12	<.0001
A	1	1.9404	0.5455	0.8713	3.0096	12.65	0.0004
M_bin	1	1.6184	0.5482	0.5439	2.6930	8.71	0.0032
int	1	-3.1346	0.7384	-4.5819	-1.6874	18.02	<.0001
C	1	0.0193	0.1367	-0.2485	0.2872	0.02	0.8877
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA168
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	40
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	40
2	0	960

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-163.3547		
Full Log Likelihood		-163.3547		
AIC (smaller is better)		336.7094		
AICC (smaller is better)		336.7698		
BIC (smaller is better)		361.2482		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.21362	-0.19699	-0.18662	0.19421	-0.02026
Prm2	-0.19699	0.26841	0.19656	-0.26837	0.0003272
Prm3	-0.18662	0.19656	0.28993	-0.28540	-0.01211
Prm4	0.19421	-0.26837	-0.28540	0.44263	0.003008
Prm5	-0.02026	0.0003272	-0.01211	0.003008	0.02429

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1056	0.4622	-5.0114	-3.1997	78.91	<.0001
A	1	1.4235	0.5181	0.4080	2.4389	7.55	0.0060
M_bin	1	0.9209	0.5385	-0.1344	1.9763	2.93	0.0872
int	1	-1.2972	0.6653	-2.6012	0.0068	3.80	0.0512
C	1	-0.0063	0.1559	-0.3118	0.2991	0.00	0.9676
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA169
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	39
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	39
2	0	961

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-163.1527	
Full Log Likelihood		-163.1527	
AIC (smaller is better)		336.3055	
AICC (smaller is better)		336.3658	
BIC (smaller is better)		360.8442	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.10813	-0.09511	-0.08975	0.09462	-0.01710
Prm2	-0.09511	0.25853	0.09751	-0.25860	-0.002237
Prm3	-0.08975	0.09751	0.16827	-0.16536	-0.01019
Prm4	0.09462	-0.25860	-0.16536	0.43274	0.002954
Prm5	-0.01710	-0.002237	-0.01019	0.002954	0.02538

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2883	0.3288	-3.9328	-2.6438	99.99	<.0001
A	1	-0.1175	0.5085	-1.1140	0.8791	0.05	0.8173
M_bin	1	0.5341	0.4102	-0.2699	1.3380	1.70	0.1929
int	1	-0.1457	0.6578	-1.4350	1.1436	0.05	0.8247
C	1	-0.1652	0.1593	-0.4774	0.1471	1.08	0.2998
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA170
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	45
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	45
2	0	955

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-178.1533		
Full Log Likelihood		-178.1533		
AIC (smaller is better)		366.3067		
AICC (smaller is better)		366.3670		
BIC (smaller is better)		390.8455		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20794	-0.19867	-0.19131	0.19615	-0.01511
Prm2	-0.19867	0.28194	0.19565	-0.28148	0.002746
Prm3	-0.19131	0.19565	0.26231	-0.26004	-0.007075
Prm4	0.19615	-0.28148	-0.26004	0.41188	0.0006163
Prm5	-0.01511	0.002746	-0.007075	0.0006163	0.02018

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9921	0.4560	-4.8858	-3.0984	76.64	<.0001
A	1	1.3355	0.5310	0.2948	2.3762	6.33	0.0119
M_bin	1	1.1613	0.5122	0.1575	2.1651	5.14	0.0234
int	1	-1.1957	0.6418	-2.4536	0.0622	3.47	0.0625
C	1	-0.1256	0.1420	-0.4040	0.1527	0.78	0.3764
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA171
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	31
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	31
2	0	969

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-129.9442	
Full Log Likelihood		-129.9442	
AIC (smaller is better)		269.8885	
AICC (smaller is better)		269.9488	
BIC (smaller is better)		294.4272	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	1.01963	-0.99189	-0.98063	0.98692	-0.02729
Prm2	-0.99189	1.07604	0.99955	-1.07701	-0.005364
Prm3	-0.98063	0.99955	1.08694	-1.08265	-0.01861
Prm4	0.98692	-1.07701	-1.08265	1.32088	0.01121
Prm5	-0.02729	-0.005364	-0.01861	0.01121	0.03212

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-5.7166	1.0098	-7.6957	-3.7374	32.05	<.0001
A	1	2.7393	1.0373	0.7062	4.7724	6.97	0.0083
M_bin	1	2.4579	1.0426	0.4145	4.5013	5.56	0.0184
int	1	-3.1888	1.1493	-5.4414	-0.9362	7.70	0.0055
C	1	0.0842	0.1792	-0.2671	0.4355	0.22	0.6386
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA172
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	43
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	43
2	0	957

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-169.0185	
Full Log Likelihood		-169.0185	
AIC (smaller is better)		348.0370	
AICC (smaller is better)		348.0974	
BIC (smaller is better)		372.5758	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25778	-0.24628	-0.24276	0.24729	-0.01534
Prm2	-0.24628	0.31299	0.24708	-0.31294	-0.000817
Prm3	-0.24276	0.24708	0.30711	-0.30541	-0.005763
Prm4	0.24729	-0.31294	-0.30541	0.47776	-0.000607
Prm5	-0.01534	-0.000817	-0.005763	-0.000607	0.02157

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2661	0.5077	-5.2612	-3.2710	70.60	<.0001
A	1	1.7882	0.5595	0.6916	2.8847	10.22	0.0014
M_bin	1	1.6193	0.5542	0.5332	2.7055	8.54	0.0035
int	1	-2.0628	0.6912	-3.4176	-0.7081	8.91	0.0028
C	1	-0.1771	0.1469	-0.4650	0.1107	1.45	0.2278
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA173
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	40
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	40
2	0	960

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-161.2373		
Full Log Likelihood		-161.2373		
AIC (smaller is better)		332.4745		
AICC (smaller is better)		332.5349		
BIC (smaller is better)		357.0133		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25691	-0.24682	-0.24205	0.24443	-0.01510
Prm2	-0.24682	0.33214	0.24649	-0.33209	0.0003336
Prm3	-0.24205	0.24649	0.34459	-0.34354	-0.006647
Prm4	0.24443	-0.33209	-0.34354	0.49090	0.003157
Prm5	-0.01510	0.0003336	-0.006647	0.003157	0.02210

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1847	0.5069	-5.1781	-3.1912	68.16	<.0001
A	1	1.4579	0.5763	0.3283	2.5874	6.40	0.0114
M_bin	1	1.1350	0.5870	-0.0155	2.2855	3.74	0.0532
int	1	-0.9949	0.7006	-2.3681	0.3783	2.02	0.1556
C	1	-0.1912	0.1486	-0.4826	0.1001	1.66	0.1982
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA174
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	41
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	41
2	0	959

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-163.7010		
Full Log Likelihood		-163.7010		
AIC (smaller is better)		337.4020		
AICC (smaller is better)		337.4624		
BIC (smaller is better)		361.9408		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20766	-0.19057	-0.19052	0.19096	-0.01543
Prm2	-0.19057	0.27772	0.20023	-0.27750	-0.008697
Prm3	-0.19052	0.20023	0.25216	-0.25191	-0.008761
Prm4	0.19096	-0.27750	-0.25191	0.49183	0.008145
Prm5	-0.01543	-0.008697	-0.008761	0.008145	0.02178

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0970	0.4557	-4.9902	-3.2039	80.83	<.0001
A	1	1.4610	0.5270	0.4281	2.4939	7.69	0.0056
M_bin	1	1.4009	0.5022	0.4167	2.3851	7.78	0.0053
int	1	-2.4594	0.7013	-3.8340	-1.0849	12.30	0.0005
C	1	-0.0237	0.1476	-0.3129	0.2656	0.03	0.8727
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA175
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	33
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	33
2	0	967

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-138.9933	
Full Log Likelihood		-138.9933	
AIC (smaller is better)		287.9867	
AICC (smaller is better)		288.0470	
BIC (smaller is better)		312.5254	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20566	-0.19377	-0.18883	0.19273	-0.01570
Prm2	-0.19377	0.52612	0.19915	-0.52645	-0.005025
Prm3	-0.18883	0.19915	0.27675	-0.27337	-0.01363
Prm4	0.19273	-0.52645	-0.27337	0.67841	0.006838
Prm5	-0.01570	-0.005025	-0.01363	0.006838	0.02737

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0214	0.4535	-4.9102	-3.1326	78.63	<.0001
A	1	-0.1273	0.7253	-1.5489	1.2943	0.03	0.8607
M_bin	1	1.0965	0.5261	0.0654	2.1276	4.34	0.0371
int	1	0.3958	0.8237	-1.2185	2.0102	0.23	0.6308
C	1	-0.1368	0.1654	-0.4611	0.1874	0.68	0.4081
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA176
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	48
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	48
2	0	952

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-189.2935		
Full Log Likelihood		-189.2935		
AIC (smaller is better)		388.5870		
AICC (smaller is better)		388.6474		
BIC (smaller is better)		413.1258		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.15232	-0.13899	-0.13319	0.13822	-0.01622
Prm2	-0.13899	0.21175	0.13973	-0.21178	-0.000630
Prm3	-0.13319	0.13973	0.19472	-0.19225	-0.007965
Prm4	0.13822	-0.21178	-0.19225	0.35890	0.001603
Prm5	-0.01622	-0.000630	-0.007965	0.001603	0.02050

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.7273	0.3903	-4.4922	-2.9624	91.21	<.0001
A	1	0.9476	0.4602	0.0457	1.8495	4.24	0.0395
M_bin	1	0.9680	0.4413	0.1031	1.8329	4.81	0.0283
int	1	-1.1346	0.5991	-2.3088	0.0395	3.59	0.0582
C	1	-0.0255	0.1432	-0.3061	0.2551	0.03	0.8585
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA177
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	35
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	35
2	0	965

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-1.79769E308	
Full Log Likelihood		0.0000	
AIC (smaller is better)		10.0000	
AICC (smaller is better)		10.0604	
BIC (smaller is better)		34.5388	

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0	0	0	0	0
Prm2	0	0	0	0	0
Prm3	0	0	0	0	0
Prm4	0	0	0	0	0
Prm5	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-1.3753	0.0000	-1.3753	-1.3753	.	.
A	0	1.0985	0.0000	1.0985	1.0985	.	.
M_bin	0	0.8769	0.0000	0.8769	0.8769	.	.
int	0	-1.0459	0.0000	-1.0459	-1.0459	.	.
C	0	-0.1581	0.0000	-0.1581	-0.1581	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA178
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	41
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	41
2	0	959

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-164.5321		
Full Log Likelihood		-164.5321		
AIC (smaller is better)		339.0643		
AICC (smaller is better)		339.1246		
BIC (smaller is better)		363.6030		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25935	-0.24522	-0.23882	0.24165	-0.01724
Prm2	-0.24522	0.31859	0.24753	-0.31899	-0.001938
Prm3	-0.23882	0.24753	0.31422	-0.31248	-0.01063
Prm4	0.24165	-0.31899	-0.31248	0.48998	0.006787
Prm5	-0.01724	-0.001938	-0.01063	0.006787	0.02340

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2236	0.5093	-5.2218	-3.2255	68.78	<.0001
A	1	1.6195	0.5644	0.5132	2.7258	8.23	0.0041
M_bin	1	1.5404	0.5606	0.4418	2.6391	7.55	0.0060
int	1	-2.0718	0.7000	-3.4437	-0.6998	8.76	0.0031
C	1	-0.1333	0.1530	-0.4331	0.1665	0.76	0.3836
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA179
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	39
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	39
2	0	961

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-155.7742		
Full Log Likelihood		-155.7742		
AIC (smaller is better)		321.5485		
AICC (smaller is better)		321.6088		
BIC (smaller is better)		346.0873		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.51050	-0.49522	-0.49111	0.49348	-0.01791
Prm2	-0.49522	0.59142	0.49706	-0.59159	-0.001699
Prm3	-0.49111	0.49706	0.58592	-0.58499	-0.006967
Prm4	0.49348	-0.59159	-0.58499	0.73741	0.003929
Prm5	-0.01791	-0.001699	-0.006967	0.003929	0.02299

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.8897	0.7145	-6.2900	-3.4893	46.83	<.0001
A	1	2.0323	0.7690	0.5250	3.5396	6.98	0.0082
M_bin	1	1.7909	0.7655	0.2906	3.2912	5.47	0.0193
int	1	-1.4949	0.8587	-3.1780	0.1881	3.03	0.0817
C	1	-0.1161	0.1516	-0.4133	0.1810	0.59	0.4437
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA180
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	44
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	44
2	0	956

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-176.0903		
Full Log Likelihood		-176.0903		
AIC (smaller is better)		362.1805		
AICC (smaller is better)		362.2409		
BIC (smaller is better)		386.7193		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20923	-0.19510	-0.18875	0.19352	-0.01614
Prm2	-0.19510	0.28243	0.19750	-0.28261	-0.001895
Prm3	-0.18875	0.19750	0.26030	-0.25734	-0.009999
Prm4	0.19352	-0.28261	-0.25734	0.42104	0.003915
Prm5	-0.01614	-0.001895	-0.009999	0.003915	0.02059

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0942	0.4574	-4.9907	-3.1977	80.11	<.0001
A	1	1.2137	0.5314	0.1721	2.2553	5.22	0.0224
M_bin	1	1.2118	0.5102	0.2119	2.2118	5.64	0.0175
int	1	-1.3665	0.6489	-2.6382	-0.0947	4.43	0.0352
C	1	0.0305	0.1435	-0.2507	0.3118	0.05	0.8314
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA181
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	38
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	38
2	0	962

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-152.7968		
Full Log Likelihood		-152.7968		
AIC (smaller is better)		315.5937		
AICC (smaller is better)		315.6540		
BIC (smaller is better)		340.1325		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25822	-0.24645	-0.24176	0.24594	-0.01749
Prm2	-0.24645	0.40802	0.24641	-0.40802	0.0000428
Prm3	-0.24176	0.24641	0.29016	-0.28851	-0.006901
Prm4	0.24594	-0.40802	-0.28851	0.61158	0.0007149
Prm5	-0.01749	0.0000428	-0.006901	0.0007149	0.02592

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1274	0.5082	-5.1233	-3.1314	65.97	<.0001
A	1	0.7489	0.6388	-0.5031	2.0008	1.37	0.2411
M_bin	1	1.7544	0.5387	0.6987	2.8102	10.61	0.0011
int	1	-1.7041	0.7820	-3.2369	-0.1713	4.75	0.0293
C	1	-0.2080	0.1610	-0.5236	0.1076	1.67	0.1964
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA182
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	42
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	42
2	0	958

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-169.9258		
Full Log Likelihood		-169.9258		
AIC (smaller is better)		349.8515		
AICC (smaller is better)		349.9119		
BIC (smaller is better)		374.3903		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.12880	-0.12157	-0.11459	0.12009	-0.01268
Prm2	-0.12157	0.17929	0.12161	-0.17929	-0.000037
Prm3	-0.11459	0.12161	0.21537	-0.21003	-0.01233
Prm4	0.12009	-0.17929	-0.21003	0.40472	0.002650
Prm5	-0.01268	-0.000037	-0.01233	0.002650	0.02233

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5168	0.3589	-4.2202	-2.8134	96.03	<.0001
A	1	1.0361	0.4234	0.2062	1.8660	5.99	0.0144
M_bin	1	0.5597	0.4641	-0.3499	1.4693	1.45	0.2278
int	1	-1.3254	0.6362	-2.5723	-0.0785	4.34	0.0372
C	1	-0.1779	0.1494	-0.4708	0.1150	1.42	0.2338
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA183
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	41
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	41
2	0	959

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-168.7716		
Full Log Likelihood		-168.7716		
AIC (smaller is better)		347.5432		
AICC (smaller is better)		347.6036		
BIC (smaller is better)		372.0820		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.14988	-0.13894	-0.13106	0.13479	-0.01528
Prm2	-0.13894	0.25960	0.13987	-0.25981	-0.000758
Prm3	-0.13106	0.13987	0.20509	-0.20209	-0.01231
Prm4	0.13479	-0.25981	-0.20209	0.41602	0.006837
Prm5	-0.01528	-0.000758	-0.01231	0.006837	0.02240

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6970	0.3871	-4.4558	-2.9382	91.19	<.0001
A	1	0.4955	0.5095	-0.5032	1.4941	0.95	0.3309
M_bin	1	0.9243	0.4529	0.0367	1.8120	4.17	0.0412
int	1	-0.7615	0.6450	-2.0256	0.5027	1.39	0.2378
C	1	-0.0620	0.1497	-0.3554	0.2313	0.17	0.6786
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA184
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	32
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	32
2	0	968

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-138.4293		
Full Log Likelihood		-138.4293		
AIC (smaller is better)		286.8586		
AICC (smaller is better)		286.9190		
BIC (smaller is better)		311.3974		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.17644	-0.16085	-0.15433	0.16087	-0.01865
Prm2	-0.16085	0.24203	0.16507	-0.24203	-0.003562
Prm3	-0.15433	0.16507	0.30839	-0.30388	-0.01286
Prm4	0.16087	-0.24203	-0.30388	0.51972	0.003528
Prm5	-0.01865	-0.003562	-0.01286	0.003528	0.02658

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8753	0.4200	-4.6986	-3.0521	85.12	<.0001
A	1	1.1375	0.4920	0.1733	2.1018	5.35	0.0208
M_bin	1	0.3805	0.5553	-0.7079	1.4690	0.47	0.4932
int	1	-1.1502	0.7209	-2.5632	0.2628	2.55	0.1106
C	1	-0.0628	0.1630	-0.3823	0.2567	0.15	0.7001
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA185
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	46
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	46
2	0	954

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-173.6732		
Full Log Likelihood		-173.6732		
AIC (smaller is better)		357.3464		
AICC (smaller is better)		357.4068		
BIC (smaller is better)		381.8852		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.33654	-0.32929	-0.32547	0.32795	-0.01200
Prm2	-0.32929	0.37377	0.32936	-0.37378	-0.000076
Prm3	-0.32547	0.32936	0.40475	-0.40342	-0.006442
Prm4	0.32795	-0.37378	-0.40342	0.54230	0.002305
Prm5	-0.01200	-0.000076	-0.006442	0.002305	0.01997

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2827	0.5801	-5.4197	-3.1457	54.50	<.0001
A	1	2.2227	0.6114	1.0244	3.4210	13.22	0.0003
M_bin	1	1.4567	0.6362	0.2098	2.7036	5.24	0.0220
int	1	-2.1634	0.7364	-3.6067	-0.7200	8.63	0.0033
C	1	-0.3114	0.1413	-0.5884	-0.0344	4.86	0.0276
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA186
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	36
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	36
2	0	964

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-148.2543	
Full Log Likelihood		-148.2543	
AIC (smaller is better)		306.5086	
AICC (smaller is better)		306.5689	
BIC (smaller is better)		331.0473	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.34081	-0.33037	-0.32172	0.32979	-0.01707
Prm2	-0.33037	0.41536	0.32924	-0.41533	0.001009
Prm3	-0.32172	0.32924	0.39447	-0.38866	-0.01229
Prm4	0.32979	-0.41533	-0.38866	0.63637	-0.000114
Prm5	-0.01707	0.001009	-0.01229	-0.000114	0.02626

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.4186	0.5838	-5.5628	-3.2744	57.29	<.0001
A	1	1.6713	0.6445	0.4081	2.9344	6.72	0.0095
M_bin	1	1.7230	0.6281	0.4920	2.9540	7.53	0.0061
int	1	-2.3737	0.7977	-3.9372	-0.8102	8.85	0.0029
C	1	-0.1838	0.1621	-0.5014	0.1338	1.29	0.2568
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA187
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	42
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	42
2	0	958

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-171.3001		
Full Log Likelihood		-171.3001		
AIC (smaller is better)		352.6001		
AICC (smaller is better)		352.6605		
BIC (smaller is better)		377.1389		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.14802	-0.13773	-0.13151	0.13632	-0.01425
Prm2	-0.13773	0.25947	0.14008	-0.25967	-0.002025
Prm3	-0.13151	0.14008	0.23265	-0.22865	-0.01186
Prm4	0.13632	-0.25967	-0.22865	0.40568	0.004256
Prm5	-0.01425	-0.002025	-0.01186	0.004256	0.02253

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5553	0.3847	-4.3093	-2.8012	85.39	<.0001
A	1	0.3460	0.5094	-0.6523	1.3444	0.46	0.4969
M_bin	1	0.4158	0.4823	-0.5296	1.3612	0.74	0.3887
int	1	0.2243	0.6369	-1.0240	1.4727	0.12	0.7247
C	1	-0.1029	0.1501	-0.3971	0.1913	0.47	0.4930
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA188
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	33
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	33
2	0	967

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-141.4910		
Full Log Likelihood		-141.4910		
AIC (smaller is better)		292.9820		
AICC (smaller is better)		293.0423		
BIC (smaller is better)		317.5207		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.19056	-0.16108	-0.15645	0.15773	-0.02735
Prm2	-0.16108	0.49158	0.16388	-0.49186	-0.002246
Prm3	-0.15645	0.16388	0.23850	-0.23818	-0.006898
Prm4	0.15773	-0.49186	-0.23818	0.65235	0.005608
Prm5	-0.02735	-0.002246	-0.006898	0.005608	0.02746

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9642	0.4365	-4.8198	-3.1086	82.46	<.0001
A	1	-0.2462	0.7011	-1.6204	1.1280	0.12	0.7255
M_bin	1	0.7968	0.4884	-0.1604	1.7540	2.66	0.1028
int	1	0.3580	0.8077	-1.2250	1.9410	0.20	0.6576
C	1	0.0543	0.1657	-0.2704	0.3791	0.11	0.7430
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA189
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	35
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	35
2	0	965

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-146.3808		
Full Log Likelihood		-146.3808		
AIC (smaller is better)		302.7616		
AICC (smaller is better)		302.8220		
BIC (smaller is better)		327.3004		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.26493	-0.24365	-0.23823	0.24041	-0.02184
Prm2	-0.24365	0.32498	0.24782	-0.32549	-0.003411
Prm3	-0.23823	0.24782	0.32357	-0.32259	-0.009844
Prm4	0.24041	-0.32549	-0.32259	0.56249	0.007256
Prm5	-0.02184	-0.003411	-0.009844	0.007256	0.02591

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2526	0.5147	-5.2614	-3.2437	68.26	<.0001
A	1	1.5289	0.5701	0.4115	2.6462	7.19	0.0073
M_bin	1	1.2283	0.5688	0.1134	2.3432	4.66	0.0308
int	1	-2.1917	0.7500	-3.6617	-0.7218	8.54	0.0035
C	1	-0.0281	0.1610	-0.3436	0.2874	0.03	0.8616
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA190
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	51
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	51
2	0	949

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-189.4670		
Full Log Likelihood		-189.4670		
AIC (smaller is better)		388.9340		
AICC (smaller is better)		388.9943		
BIC (smaller is better)		413.4727		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.50741	-0.49725	-0.49414	0.49656	-0.01508
Prm2	-0.49725	0.56283	0.49593	-0.56276	0.001507
Prm3	-0.49414	0.49593	0.53807	-0.53764	-0.002653
Prm4	0.49656	-0.56276	-0.53764	0.67693	-0.000585
Prm5	-0.01508	0.001507	-0.002653	-0.000585	0.02015

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.7233	0.7123	-6.1194	-3.3271	43.97	<.0001
A	1	2.1558	0.7502	0.6854	3.6262	8.26	0.0041
M_bin	1	2.4268	0.7335	0.9891	3.8645	10.95	0.0009
int	1	-2.5793	0.8228	-4.1919	-0.9668	9.83	0.0017
C	1	-0.2154	0.1419	-0.4936	0.0628	2.30	0.1291
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA191
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	44
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	44
2	0	956

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-178.2588		
Full Log Likelihood		-178.2588		
AIC (smaller is better)		366.5176		
AICC (smaller is better)		366.5780		
BIC (smaller is better)		391.0564		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.13065	-0.12138	-0.11487	0.12156	-0.01416
Prm2	-0.12138	0.21668	0.12182	-0.21668	-0.000397
Prm3	-0.11487	0.12182	0.18953	-0.18453	-0.01061
Prm4	0.12156	-0.21668	-0.18453	0.36595	0.0001193
Prm5	-0.01416	-0.000397	-0.01061	0.0001193	0.02223

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5410	0.3615	-4.2494	-2.8325	95.97	<.0001
A	1	0.6122	0.4655	-0.3001	1.5246	1.73	0.1884
M_bin	1	0.8167	0.4354	-0.0366	1.6700	3.52	0.0607
int	1	-0.7633	0.6049	-1.9489	0.4224	1.59	0.2070
C	1	-0.1274	0.1491	-0.4196	0.1648	0.73	0.3929
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA192
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	45
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	45
2	0	955

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-174.4320		
Full Log Likelihood		-174.4320		
AIC (smaller is better)		358.8639		
AICC (smaller is better)		358.9243		
BIC (smaller is better)		383.4027		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.34022	-0.32656	-0.32168	0.32468	-0.01463
Prm2	-0.32656	0.40348	0.33290	-0.40412	-0.005006
Prm3	-0.32168	0.33290	0.41640	-0.41393	-0.01202
Prm4	0.32468	-0.40412	-0.41393	0.53889	0.007696
Prm5	-0.01463	-0.005006	-0.01202	0.007696	0.02103

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.5944	0.5833	-5.7377	-3.4512	62.04	<.0001
A	1	1.8253	0.6352	0.5804	3.0703	8.26	0.0041
M_bin	1	1.5580	0.6453	0.2932	2.8227	5.83	0.0158
int	1	-1.3151	0.7341	-2.7539	0.1237	3.21	0.0732
C	1	-0.0335	0.1450	-0.3177	0.2507	0.05	0.8173
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA193
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	33
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	33
2	0	967

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-141.6607		
Full Log Likelihood		-141.6607		
AIC (smaller is better)		293.3214		
AICC (smaller is better)		293.3818		
BIC (smaller is better)		317.8602		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20994	-0.19354	-0.19216	0.19550	-0.01910
Prm2	-0.19354	0.29202	0.19787	-0.29154	-0.004654
Prm3	-0.19216	0.19787	0.28567	-0.28451	-0.006648
Prm4	0.19550	-0.29154	-0.28451	0.51676	0.001810
Prm5	-0.01910	-0.004654	-0.006648	0.001810	0.02766

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0303	0.4582	-4.9283	-3.1323	77.37	<.0001
A	1	1.2469	0.5404	0.1878	2.3060	5.32	0.0210
M_bin	1	0.9226	0.5345	-0.1249	1.9702	2.98	0.0843
int	1	-1.3951	0.7189	-2.8040	0.0139	3.77	0.0523
C	1	-0.1466	0.1663	-0.4726	0.1793	0.78	0.3779
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA194
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	41
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	41
2	0	959

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-166.2719		
Full Log Likelihood		-166.2719		
AIC (smaller is better)		342.5438		
AICC (smaller is better)		342.6041		
BIC (smaller is better)		367.0825		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.25731	-0.24710	-0.24036	0.24679	-0.01617
Prm2	-0.24710	0.32483	0.24586	-0.32480	0.001179
Prm3	-0.24036	0.24586	0.32929	-0.32583	-0.008704
Prm4	0.24679	-0.32480	-0.32583	0.47707	-0.000731
Prm5	-0.01617	0.001179	-0.008704	-0.000731	0.02371

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1337	0.5073	-5.1279	-3.1394	66.41	<.0001
A	1	1.3634	0.5699	0.2463	2.4804	5.72	0.0167
M_bin	1	1.0934	0.5738	-0.0313	2.2181	3.63	0.0567
int	1	-1.0517	0.6907	-2.4055	0.3020	2.32	0.1278
C	1	-0.1249	0.1540	-0.4267	0.1769	0.66	0.4172
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA195
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	36
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	36
2	0	964

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-150.1637	
Full Log Likelihood		-150.1637	
AIC (smaller is better)		310.3274	
AICC (smaller is better)		310.3878	
BIC (smaller is better)		334.8662	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20595	-0.19546	-0.19170	0.19672	-0.01567
Prm2	-0.19546	0.31593	0.19693	-0.31580	-0.001621
Prm3	-0.19170	0.19693	0.25751	-0.25500	-0.007821
Prm4	0.19672	-0.31580	-0.25500	0.51285	-0.000452
Prm5	-0.01567	-0.001621	-0.007821	-0.000452	0.02584

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9167	0.4538	-4.8061	-3.0272	74.49	<.0001
A	1	0.9435	0.5621	-0.1581	2.0452	2.82	0.0932
M_bin	1	1.3034	0.5074	0.3088	2.2980	6.60	0.0102
int	1	-1.5753	0.7161	-2.9789	-0.1717	4.84	0.0278
C	1	-0.2346	0.1607	-0.5497	0.0804	2.13	0.1443
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA196
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	39
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	39
2	0	961

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-160.4213	
Full Log Likelihood		-160.4213	
AIC (smaller is better)		330.8426	
AICC (smaller is better)		330.9030	
BIC (smaller is better)		355.3814	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.21712	-0.19830	-0.18575	0.19286	-0.02160
Prm2	-0.19830	0.28264	0.19586	-0.28221	0.001681
Prm3	-0.18575	0.19586	0.29866	-0.29485	-0.01160
Prm4	0.19286	-0.28221	-0.29485	0.45194	0.004080
Prm5	-0.02160	0.001681	-0.01160	0.004080	0.02286

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.2159	0.4660	-5.1292	-3.3026	81.86	<.0001
A	1	1.2350	0.5316	0.1930	2.2770	5.40	0.0202
M_bin	1	0.8160	0.5465	-0.2552	1.8871	2.23	0.1354
int	1	-0.8536	0.6723	-2.1712	0.4640	1.61	0.2042
C	1	0.1078	0.1512	-0.1886	0.4042	0.51	0.4759
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA197
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	39
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	39
2	0	961

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-157.7138		
Full Log Likelihood		-157.7138		
AIC (smaller is better)		325.4277		
AICC (smaller is better)		325.4881		
BIC (smaller is better)		349.9665		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.34094	-0.33226	-0.32603	0.33184	-0.01634
Prm2	-0.33226	0.42537	0.32893	-0.42528	0.003649
Prm3	-0.32603	0.32893	0.39819	-0.39625	-0.005453
Prm4	0.33184	-0.42528	-0.39625	0.57135	-0.003035
Prm5	-0.01634	0.003649	-0.005453	-0.003035	0.02387

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.4053	0.5839	-5.5497	-3.2609	56.92	<.0001
A	1	1.4913	0.6522	0.2130	2.7696	5.23	0.0222
M_bin	1	1.7580	0.6310	0.5213	2.9948	7.76	0.0053
int	1	-1.6095	0.7559	-3.0909	-0.1280	4.53	0.0332
C	1	-0.2276	0.1545	-0.5303	0.0752	2.17	0.1407
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA198
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	44
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	44
2	0	956

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-172.5167		
Full Log Likelihood		-172.5167		
AIC (smaller is better)		355.0334		
AICC (smaller is better)		355.0937		
BIC (smaller is better)		379.5722		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.20363	-0.19550	-0.19264	0.19509	-0.01224
Prm2	-0.19550	0.29161	0.19718	-0.29167	-0.001873
Prm3	-0.19264	0.19718	0.24988	-0.24851	-0.006839
Prm4	0.19509	-0.29167	-0.24851	0.42908	0.002587
Prm5	-0.01224	-0.001873	-0.006839	0.002587	0.02126

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9519	0.4512	-4.8363	-3.0674	76.70	<.0001
A	1	1.1299	0.5400	0.0715	2.1883	4.38	0.0364
M_bin	1	1.6351	0.4999	0.6553	2.6148	10.70	0.0011
int	1	-1.5808	0.6550	-2.8646	-0.2969	5.82	0.0158
C	1	-0.2707	0.1458	-0.5565	0.0151	3.45	0.0634
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA199
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	37
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	37
2	0	963

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-153.1953		
Full Log Likelihood		-153.1953		
AIC (smaller is better)		316.3907		
AICC (smaller is better)		316.4510		
BIC (smaller is better)		340.9294		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.21376	-0.19414	-0.18510	0.19148	-0.01970
Prm2	-0.19414	0.26346	0.19835	-0.26385	-0.002893
Prm3	-0.18510	0.19835	0.28423	-0.27992	-0.01330
Prm4	0.19148	-0.26385	-0.27992	0.50630	0.005956
Prm5	-0.01970	-0.002893	-0.01330	0.005956	0.02268

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1802	0.4623	-5.0864	-3.2741	81.75	<.0001
A	1	1.4149	0.5133	0.4088	2.4209	7.60	0.0058
M_bin	1	0.8766	0.5331	-0.1683	1.9216	2.70	0.1001
int	1	-1.7920	0.7116	-3.1866	-0.3974	6.34	0.0118
C	1	0.0980	0.1506	-0.1971	0.3932	0.42	0.5151
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1100
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	33
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	33
2	0	967

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-136.3957		
Full Log Likelihood		-136.3957		
AIC (smaller is better)		282.7913		
AICC (smaller is better)		282.8517		
BIC (smaller is better)		307.3301		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.51830	-0.50112	-0.49034	0.50112	-0.02455
Prm2	-0.50112	0.58375	0.49533	-0.58375	0.005084
Prm3	-0.49034	0.49533	0.55740	-0.55427	-0.007140
Prm4	0.50112	-0.58375	-0.55427	0.88789	-0.005080
Prm5	-0.02455	0.005084	-0.007140	-0.005080	0.02782

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.9644	0.7199	-6.3755	-3.5534	47.55	<.0001
A	1	2.0372	0.7640	0.5398	3.5347	7.11	0.0077
M_bin	1	2.1494	0.7466	0.6861	3.6127	8.29	0.0040
int	1	-3.1280	0.9423	-4.9748	-1.2811	11.02	0.0009
C	1	-0.0435	0.1668	-0.3704	0.2834	0.07	0.7941
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	100000
Number of Observations Used	100000
Number of Events	3957
Number of Trials	100000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	3957
2	0	96043

PROC GENMOD is modeling the probability that Y_bin_int='1'.

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-16247.0803	
Full Log Likelihood		-16247.0803	
AIC (smaller is better)		32504.1606	
AICC (smaller is better)		32504.1612	
BIC (smaller is better)		32551.7252	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.002275	-0.002145	-0.002084	0.002134	-0.000171
Prm2	-0.002145	0.003028	0.002151	-0.003028	-5.892E-6
Prm3	-0.002084	0.002151	0.002857	-0.002831	-0.000089
Prm4	0.002134	-0.003028	-0.002831	0.004644	0.0000209
Prm5	-0.000171	-5.892E-6	-0.000089	0.0000209	0.0002319

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0831	0.0477	-4.1766	-3.9896	7326.63	<.0001
A	1	1.2537	0.0550	1.1458	1.3615	519.11	<.0001
M_bin	1	1.2211	0.0535	1.1163	1.3258	521.82	<.0001
int	1	-1.3923	0.0681	-1.5259	-1.2588	417.46	<.0001
C	1	-0.1027	0.0152	-0.1326	-0.0729	45.48	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50674
2	0	49326

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138613.26	135960.51
SC	138622.78	135989.05
-2 Log L	138611.26	135954.51

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2656.7554	2	<.0001	
Score	2624.4798	2	<.0001	
Wald	2561.4934	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3804	0.0108	1242.9037	<.0001
A	1	0.2111	0.0130	265.1603	<.0001
C	1	0.3074	0.00637	2330.8866	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.235	1.204	1.267
C	1.360	1.343	1.377

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.6	Somers' D	0.193
Percent Discordant	40.4	Gamma	0.193
Percent Tied	0.0	Tau-a	0.096
Pairs	2499545724	c	0.596

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1094264897.25	10887798212.72	0.88916	15.4761
2	marginal pnde	1.59	0.60	0.73941	2.8129
3	marginal pnie	1.06	0.04	0.99536	1.1336
4	marginal tnde	1.49	0.58	0.67866	2.7485
5	marginal tnie	0.99	0.03	0.90664	1.0359
6	marginal total effect	1.57	0.59	0.71083	2.9214
7	conditional cde	1094264897.25	10887798212.72	0.88916	15.4761
8	conditional pnde	1.59	0.60	0.74150	2.8155
9	conditional pnie	1.06	0.04	0.99536	1.1339
10	conditional tnde	1.49	0.58	0.68059	2.7508
11	conditional tnie	0.99	0.03	0.90680	1.0359
12	conditional total effect	1.58	0.60	0.71316	2.9242

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA11
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1177.4667	1.1834
Scaled Deviance	995	1177.4667	1.1834
Pearson Chi-Square	995	1069.6678	1.0750
Scaled Pearson X2	995	1069.6678	1.0750
Log Likelihood		199.9385	
Full Log Likelihood		-1942.4047	
AIC (smaller is better)		3894.8094	
AICC (smaller is better)		3894.8698	
BIC (smaller is better)		3919.3482	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001343	-0.001093	-0.000949	0.001082	-0.000318
Prm2	-0.001093	0.002980	0.001036	-0.002978	0.0000466
Prm3	-0.000949	0.001036	0.002304	-0.002257	-0.000110
Prm4	0.001082	-0.002978	-0.002257	0.005821	-0.000035
Prm5	-0.000318	0.0000466	-0.000110	-0.000035	0.0003464

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1450	0.0366	1.0732	1.2168	976.22	<.0001
A	1	-0.0644	0.0546	-0.1714	0.0426	1.39	0.2382
M_bin	1	-0.1012	0.0480	-0.1952	-0.0071	4.44	0.0350
int	1	0.0481	0.0763	-0.1014	0.1976	0.40	0.5284
C	1	-0.0108	0.0186	-0.0473	0.0256	0.34	0.5607
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA12
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1112.9525	1.1185
Scaled Deviance	995	1112.9525	1.1185
Pearson Chi-Square	995	1021.8058	1.0269
Scaled Pearson X2	995	1021.8058	1.0269
Log Likelihood		214.7293	
Full Log Likelihood		-1920.0421	
AIC (smaller is better)		3850.0842	
AICC (smaller is better)		3850.1446	
BIC (smaller is better)		3874.6230	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001287	-0.001070	-0.000996	0.001105	-0.000270
Prm2	-0.001070	0.002837	0.001074	-0.002836	-4.329E-6
Prm3	-0.000996	0.001074	0.002338	-0.002299	-0.000097
Prm4	0.001105	-0.002836	-0.002299	0.005710	-0.000040
Prm5	-0.000270	-4.329E-6	-0.000097	-0.000040	0.0003412

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1530	0.0359	1.0827	1.2233	1033.33	<.0001
A	1	-0.0226	0.0533	-0.1270	0.0818	0.18	0.6714
M_bin	1	-0.0615	0.0484	-0.1562	0.0333	1.62	0.2037
int	1	-0.0449	0.0756	-0.1930	0.1032	0.35	0.5521
C	1	-0.0323	0.0185	-0.0685	0.0039	3.06	0.0804
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA13
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1183.5441	1.1895
Scaled Deviance	995	1183.5441	1.1895
Pearson Chi-Square	995	1110.2837	1.1159
Scaled Pearson X2	995	1110.2837	1.1159
Log Likelihood		196.2061	
Full Log Likelihood		-1947.4372	
AIC (smaller is better)		3904.8744	
AICC (smaller is better)		3904.9348	
BIC (smaller is better)		3929.4132	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001382	-0.001152	-0.001041	0.001126	-0.000288
Prm2	-0.001152	0.002675	0.001125	-0.002673	0.0000229
Prm3	-0.001041	0.001125	0.002420	-0.002388	-0.000106
Prm4	0.001126	-0.002673	-0.002388	0.005675	6.9663E-6
Prm5	-0.000288	0.0000229	-0.000106	6.9663E-6	0.0003318

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1738	0.0372	1.1009 1.2466	997.10	<.0001	
A	1	-0.0691	0.0517	-0.1705 0.0322	1.79	0.1814	
M_bin	1	-0.1078	0.0492	-0.2042 -0.0114	4.80	0.0284	
int	1	0.0884	0.0753	-0.0593 0.2360	1.38	0.2407	
C	1	-0.0443	0.0182	-0.0800 -0.0086	5.92	0.0150	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA14
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1149.4370	1.1552
Scaled Deviance	995	1149.4370	1.1552
Pearson Chi-Square	995	1047.9930	1.0533
Scaled Pearson X2	995	1047.9930	1.0533
Log Likelihood		208.0728	
Full Log Likelihood		-1931.5496	
AIC (smaller is better)		3873.0992	
AICC (smaller is better)		3873.1596	
BIC (smaller is better)		3897.6380	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001287	-0.001097	-0.001002	0.001070	-0.000233
Prm2	-0.001097	0.002612	0.001131	-0.002616	-0.000028
Prm3	-0.001002	0.001131	0.002616	-0.002570	-0.000158
Prm4	0.001070	-0.002616	-0.002570	0.005606	0.0000649
Prm5	-0.000233	-0.000028	-0.000158	0.0000649	0.0003214

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1513	0.0359	1.0810	1.2216	1030.03	<.0001
A	1	0.0473	0.0511	-0.0528	0.1475	0.86	0.3544
M_bin	1	-0.0939	0.0511	-0.1942	0.0063	3.37	0.0662
int	1	-0.0637	0.0749	-0.2104	0.0831	0.72	0.3950
C	1	-0.0460	0.0179	-0.0812	-0.0109	6.59	0.0102
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA15
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1063.5582	1.0689
Scaled Deviance	995	1063.5582	1.0689
Pearson Chi-Square	995	986.6100	0.9916
Scaled Pearson X2	995	986.6100	0.9916
Log Likelihood		269.3968	
Full Log Likelihood		-1912.8826	
AIC (smaller is better)		3835.7652	
AICC (smaller is better)		3835.8255	
BIC (smaller is better)		3860.3039	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001296	-0.001040	-0.000959	0.0009856	-0.000277
Prm2	-0.001040	0.002644	0.001088	-0.002651	-0.000039
Prm3	-0.000959	0.001088	0.002569	-0.002556	-0.000139
Prm4	0.0009856	-0.002651	-0.002556	0.005536	0.0001064
Prm5	-0.000277	-0.000039	-0.000139	0.0001064	0.0003422

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1942	0.0360	1.1236	1.2648	1100.28	<.0001
A	1	-0.0268	0.0514	-0.1275	0.0740	0.27	0.6026
M_bin	1	-0.0996	0.0507	-0.1990	-0.0003	3.86	0.0493
int	1	0.0557	0.0744	-0.0902	0.2015	0.56	0.4544
C	1	-0.0589	0.0185	-0.0952	-0.0226	10.14	0.0015
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA16
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1307.5188	1.3141
Scaled Deviance	995	1307.5188	1.3141
Pearson Chi-Square	995	1183.2260	1.1892
Scaled Pearson X2	995	1183.2260	1.1892
Log Likelihood		248.6147	
Full Log Likelihood		-2000.7073	
AIC (smaller is better)		4011.4145	
AICC (smaller is better)		4011.4749	
BIC (smaller is better)		4035.9533	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001394	-0.001140	-0.001024	0.001118	-0.000299
Prm2	-0.001140	0.002740	0.001121	-0.002739	0.0000155
Prm3	-0.001024	0.001121	0.002363	-0.002327	-0.000114
Prm4	0.001118	-0.002739	-0.002327	0.005574	9.3709E-6
Prm5	-0.000299	0.0000155	-0.000114	9.3709E-6	0.0003332

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1179	0.0373	1.0447	1.1911	896.22	<.0001
A	1	0.0091	0.0523	-0.0935	0.1117	0.03	0.8620
M_bin	1	-0.0973	0.0486	-0.1926	-0.0021	4.01	0.0453
int	1	0.0228	0.0747	-0.1235	0.1691	0.09	0.7600
C	1	0.0052	0.0183	-0.0306	0.0410	0.08	0.7768
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA17
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1093.7486	1.0992
Scaled Deviance	995	1093.7486	1.0992
Pearson Chi-Square	995	1064.6847	1.0700
Scaled Pearson X2	995	1064.6847	1.0700
Log Likelihood		287.9861	
Full Log Likelihood		-1933.9953	
AIC (smaller is better)		3877.9906	
AICC (smaller is better)		3878.0509	
BIC (smaller is better)		3902.5294	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001333	-0.001064	-0.000984	0.0009997	-0.000281
Prm2	-0.001064	0.002923	0.001112	-0.002931	-0.000039
Prm3	-0.000984	0.001112	0.002320	-0.002312	-0.000134
Prm4	0.0009997	-0.002931	-0.002312	0.005613	0.0001148
Prm5	-0.000281	-0.000039	-0.000134	0.0001148	0.0003335

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1578	0.0365	1.0863	1.2294	1005.40	<.0001
A	1	0.0010	0.0541	-0.1049	0.1070	0.00	0.9849
M_bin	1	-0.1078	0.0482	-0.2022	-0.0134	5.01	0.0253
int	1	0.0157	0.0749	-0.1311	0.1625	0.04	0.8340
C	1	-0.0102	0.0183	-0.0460	0.0256	0.31	0.5775
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA18
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1233.4935	1.2397
Scaled Deviance	995	1233.4935	1.2397
Pearson Chi-Square	995	1148.8074	1.1546
Scaled Pearson X2	995	1148.8074	1.1546
Log Likelihood		172.9294	
Full Log Likelihood		-1960.8351	
AIC (smaller is better)		3931.6702	
AICC (smaller is better)		3931.7306	
BIC (smaller is better)		3956.2090	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001397	-0.001139	-0.001040	0.001126	-0.000306
Prm2	-0.001139	0.002668	0.001110	-0.002667	0.0000250
Prm3	-0.001040	0.001110	0.002358	-0.002334	-0.000083
Prm4	0.001126	-0.002667	-0.002334	0.005804	-0.000011
Prm5	-0.000306	0.0000250	-0.000083	-0.000011	0.0003323

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1162	0.0374	1.0429	1.1894	891.58	<.0001
A	1	0.0043	0.0517	-0.0969	0.1056	0.01	0.9335
M_bin	1	-0.0473	0.0486	-0.1425	0.0478	0.95	0.3296
int	1	-0.0860	0.0762	-0.2353	0.0633	1.27	0.2591
C	1	-0.0201	0.0182	-0.0558	0.0156	1.21	0.2706
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA19
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1135.7856	1.1415
Scaled Deviance	995	1135.7856	1.1415
Pearson Chi-Square	995	1041.1397	1.0464
Scaled Pearson X2	995	1041.1397	1.0464
Log Likelihood		99.7523	
Full Log Likelihood		-1908.2288	
AIC (smaller is better)		3826.4576	
AICC (smaller is better)		3826.5179	
BIC (smaller is better)		3850.9964	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001449	-0.001198	-0.001105	0.001185	-0.000301
Prm2	-0.001198	0.002895	0.001194	-0.002895	3.3666E-6
Prm3	-0.001105	0.001194	0.002600	-0.002572	-0.000106
Prm4	0.001185	-0.002895	-0.002572	0.005791	0.0000110
Prm5	-0.000301	3.3666E-6	-0.000106	0.0000110	0.0003550

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1041	0.0381	1.0295	1.1787	841.01	<.0001
A	1	0.0382	0.0538	-0.0673	0.1436	0.50	0.4782
M_bin	1	-0.0959	0.0510	-0.1959	0.0040	3.54	0.0599
int	1	0.0002	0.0761	-0.1490	0.1493	0.00	0.9981
C	1	-0.0389	0.0188	-0.0758	-0.0020	4.26	0.0390
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA110
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1273.4483	1.2798
Scaled Deviance	995	1273.4483	1.2798
Pearson Chi-Square	995	1179.3525	1.1853
Scaled Pearson X2	995	1179.3525	1.1853
Log Likelihood		141.5733	
Full Log Likelihood		-1968.3838	
AIC (smaller is better)		3946.7676	
AICC (smaller is better)		3946.8279	
BIC (smaller is better)		3971.3063	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001391	-0.001142	-0.001048	0.001125	-0.000276
Prm2	-0.001142	0.002620	0.001182	-0.002623	-0.000032
Prm3	-0.001048	0.001182	0.002632	-0.002590	-0.000149
Prm4	0.001125	-0.002623	-0.002590	0.005725	0.0000543
Prm5	-0.000276	-0.000032	-0.000149	0.0000543	0.0003426

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0471	0.0373	0.9740	1.1201	788.44	<.0001
A	1	0.1202	0.0512	0.0198	0.2205	5.51	0.0189
M_bin	1	-0.0872	0.0513	-0.1877	0.0134	2.89	0.0893
int	1	-0.0236	0.0757	-0.1719	0.1247	0.10	0.7549
C	1	-0.0064	0.0185	-0.0427	0.0298	0.12	0.7277
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA111
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1149.2113	1.1550
Scaled Deviance	995	1149.2113	1.1550
Pearson Chi-Square	995	1046.7901	1.0521
Scaled Pearson X2	995	1046.7901	1.0521
Log Likelihood		409.1070	
Full Log Likelihood		-1968.4630	
AIC (smaller is better)		3946.9261	
AICC (smaller is better)		3946.9864	
BIC (smaller is better)		3971.4648	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001196	-0.000968	-0.000860	0.0009176	-0.000278
Prm2	-0.000968	0.002709	0.0009396	-0.002705	0.0000233
Prm3	-0.000860	0.0009396	0.002204	-0.002184	-0.000097
Prm4	0.0009176	-0.002705	-0.002184	0.005462	0.0000327
Prm5	-0.000278	0.0000233	-0.000097	0.0000327	0.0003099

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2350	0.0346	1.1672 1.3028	1275.01	<.0001	
A	1	-0.0734	0.0521	-0.1754 0.0286	1.99	0.1586	
M_bin	1	-0.0839	0.0470	-0.1760 0.0081	3.20	0.0738	
int	1	0.0022	0.0739	-0.1426 0.1471	0.00	0.9759	
C	1	-0.0346	0.0176	-0.0691 -0.0001	3.87	0.0493	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA112
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1010.2210	1.0153
Scaled Deviance	995	1010.2210	1.0153
Pearson Chi-Square	995	921.2994	0.9259
Scaled Pearson X2	995	921.2994	0.9259
Log Likelihood		118.6501	
Full Log Likelihood		-1863.2898	
AIC (smaller is better)		3736.5795	
AICC (smaller is better)		3736.6399	
BIC (smaller is better)		3761.1183	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001486	-0.001230	-0.001118	0.001178	-0.000293
Prm2	-0.001230	0.002884	0.001244	-0.002886	-0.000011
Prm3	-0.001118	0.001244	0.002507	-0.002478	-0.000143
Prm4	0.001178	-0.002886	-0.002478	0.005812	0.0000722
Prm5	-0.000293	-0.000011	-0.000143	0.0000722	0.0003478

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0887	0.0386	1.0132	1.1643	797.44	<.0001
A	1	0.0694	0.0537	-0.0359	0.1746	1.67	0.1966
M_bin	1	-0.0597	0.0501	-0.1579	0.0384	1.42	0.2328
int	1	-0.0511	0.0762	-0.2006	0.0983	0.45	0.5024
C	1	-0.0349	0.0186	-0.0715	0.0016	3.50	0.0612
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA113
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1151.8920	1.1577
Scaled Deviance	995	1151.8920	1.1577
Pearson Chi-Square	995	1034.0610	1.0393
Scaled Pearson X2	995	1034.0610	1.0393
Log Likelihood		178.6463	
Full Log Likelihood		-1928.0911	
AIC (smaller is better)		3866.1823	
AICC (smaller is better)		3866.2427	
BIC (smaller is better)		3890.7211	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001509	-0.001209	-0.001102	0.001151	-0.000314
Prm2	-0.001209	0.002828	0.001245	-0.002833	-0.000028
Prm3	-0.001102	0.001245	0.002569	-0.002546	-0.000149
Prm4	0.001151	-0.002833	-0.002546	0.005627	0.0000933
Prm5	-0.000314	-0.000028	-0.000149	0.0000933	0.0003573

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0813	0.0389	1.0052	1.1575	774.70	<.0001
A	1	-0.0371	0.0532	-0.1414	0.0671	0.49	0.4850
M_bin	1	0.0425	0.0507	-0.0568	0.1418	0.70	0.4017
int	1	0.0417	0.0750	-0.1053	0.1887	0.31	0.5785
C	1	-0.0318	0.0189	-0.0689	0.0052	2.83	0.0924
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA114
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1202.9881	1.2090
Scaled Deviance	995	1202.9881	1.2090
Pearson Chi-Square	995	1118.5623	1.1242
Scaled Pearson X2	995	1118.5623	1.1242
Log Likelihood		343.9529	
Full Log Likelihood		-1980.2270	
AIC (smaller is better)		3970.4539	
AICC (smaller is better)		3970.5143	
BIC (smaller is better)		3994.9927	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001309	-0.001080	-0.001012	0.001072	-0.0000249
Prm2	-0.001080	0.002631	0.001136	-0.002633	-0.000047
Prm3	-0.001012	0.001136	0.002418	-0.002385	-0.000135
Prm4	0.001072	-0.002633	-0.002385	0.005355	0.0000566
Prm5	-0.0000249	-0.000047	-0.000135	0.0000566	0.0003218

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1267	0.0362	1.0558	1.1976	969.94	<.0001
A	1	0.0835	0.0513	-0.0170	0.1841	2.65	0.1034
M_bin	1	0.0165	0.0492	-0.0799	0.1129	0.11	0.7376
int	1	-0.1337	0.0732	-0.2771	0.0097	3.34	0.0677
C	1	-0.0285	0.0179	-0.0637	0.0066	2.53	0.1115
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA115
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1181.9609	1.1879
Scaled Deviance	995	1181.9609	1.1879
Pearson Chi-Square	995	1088.0524	1.0935
Scaled Pearson X2	995	1088.0524	1.0935
Log Likelihood		263.7802	
Full Log Likelihood		-1957.0508	
AIC (smaller is better)		3924.1015	
AICC (smaller is better)		3924.1619	
BIC (smaller is better)		3948.6403	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001359	-0.001106	-0.001018	0.001085	-0.000301
Prm2	-0.001106	0.002830	0.001098	-0.002830	7.291E-6
Prm3	-0.001018	0.001098	0.002334	-0.002313	-0.000096
Prm4	0.001085	-0.002830	-0.002313	0.005577	0.0000170
Prm5	-0.000301	7.291E-6	-0.000096	0.0000170	0.0003492

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1990	0.0369	1.1267	1.2713	1057.43	<.0001
A	1	-0.1114	0.0532	-0.2156	-0.0071	4.38	0.0363
M_bin	1	-0.0868	0.0483	-0.1815	0.0079	3.23	0.0723
int	1	0.0687	0.0747	-0.0776	0.2151	0.85	0.3574
C	1	-0.0364	0.0187	-0.0731	0.0002	3.80	0.0511
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA116
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1072.3664	1.0778
Scaled Deviance	995	1072.3664	1.0778
Pearson Chi-Square	995	982.3317	0.9873
Scaled Pearson X2	995	982.3317	0.9873
Log Likelihood		238.9388	
Full Log Likelihood		-1911.8327	
AIC (smaller is better)		3833.6654	
AICC (smaller is better)		3833.7258	
BIC (smaller is better)		3858.2042	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001354	-0.001087	-0.000989	0.001054	-0.000286
Prm2	-0.001087	0.003295	0.001121	-0.003298	-0.000027
Prm3	-0.000989	0.001121	0.002244	-0.002212	-0.000142
Prm4	0.001054	-0.003298	-0.002212	0.005909	0.0000650
Prm5	-0.000286	-0.000027	-0.000142	0.0000650	0.0003350

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1465	0.0368	1.0744	1.2186	970.50	<.0001
A	1	-0.0423	0.0574	-0.1548	0.0702	0.54	0.4612
M_bin	1	0.0043	0.0474	-0.0885	0.0972	0.01	0.9271
int	1	-0.0314	0.0769	-0.1820	0.1193	0.17	0.6832
C	1	-0.0418	0.0183	-0.0777	-0.0060	5.23	0.0223
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA117
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1143.8829	1.1496
Scaled Deviance	995	1143.8829	1.1496
Pearson Chi-Square	995	1083.5565	1.0890
Scaled Pearson X2	995	1083.5565	1.0890
Log Likelihood		293.2315	
Full Log Likelihood		-1947.1926	
AIC (smaller is better)		3904.3853	
AICC (smaller is better)		3904.4456	
BIC (smaller is better)		3928.9240	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001313	-0.001106	-0.000952	0.001079	-0.000285
Prm2	-0.001106	0.002508	0.001053	-0.002505	0.0000417
Prm3	-0.000952	0.001053	0.002409	-0.002347	-0.000140
Prm4	0.001079	-0.002505	-0.002347	0.005526	-0.000010
Prm5	-0.000285	0.0000417	-0.000140	-0.000010	0.0003369

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1625	0.0362	1.0915	1.2335	1029.57	<.0001
A	1	0.0348	0.0501	-0.0634	0.1329	0.48	0.4874
M_bin	1	-0.1016	0.0491	-0.1978	-0.0054	4.28	0.0385
int	1	-0.1321	0.0743	-0.2778	0.0136	3.16	0.0755
C	1	-0.0077	0.0184	-0.0437	0.0282	0.18	0.6736
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA118
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1099.6633	1.1052
Scaled Deviance	995	1099.6633	1.1052
Pearson Chi-Square	995	990.2927	0.9953
Scaled Pearson X2	995	990.2927	0.9953
Log Likelihood		258.7245	
Full Log Likelihood		-1923.0616	
AIC (smaller is better)		3856.1232	
AICC (smaller is better)		3856.1836	
BIC (smaller is better)		3880.6620	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001274	-0.001049	-0.000966	0.001014	-0.000254
Prm2	-0.001049	0.002805	0.001080	-0.002808	-0.000025
Prm3	-0.000966	0.001080	0.002391	-0.002367	-0.000129
Prm4	0.001014	-0.002808	-0.002367	0.005590	0.0000685
Prm5	-0.000254	-0.000025	-0.000129	0.0000685	0.0003154

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1283	0.0357	1.0584	1.1983	999.12	<.0001
A	1	-0.0340	0.0530	-0.1378	0.0697	0.41	0.5203
M_bin	1	-0.0231	0.0489	-0.1189	0.0728	0.22	0.6371
int	1	0.0273	0.0748	-0.1192	0.1739	0.13	0.7146
C	1	-0.0218	0.0178	-0.0567	0.0130	1.51	0.2187
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA119
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1185.5060	1.1915
Scaled Deviance	995	1185.5060	1.1915
Pearson Chi-Square	995	1097.2737	1.1028
Scaled Pearson X2	995	1097.2737	1.1028
Log Likelihood		240.6845	
Full Log Likelihood		-1953.6586	
AIC (smaller is better)		3917.3173	
AICC (smaller is better)		3917.3777	
BIC (smaller is better)		3941.8561	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001371	-0.001077	-0.000977	0.001011	-0.000306
Prm2	-0.001077	0.002542	0.001121	-0.002549	-0.000034
Prm3	-0.000977	0.001121	0.002526	-0.002509	-0.000149
Prm4	0.001011	-0.002549	-0.002509	0.005574	0.0001096
Prm5	-0.000306	-0.000034	-0.000149	0.0001096	0.0003543

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0896	0.0370	1.0170	1.1622	865.89	<.0001
A	1	0.0774	0.0504	-0.0214	0.1763	2.36	0.1246
M_bin	1	-0.0035	0.0503	-0.1020	0.0950	0.00	0.9444
int	1	-0.0860	0.0747	-0.2324	0.0603	1.33	0.2492
C	1	-0.0221	0.0188	-0.0590	0.0148	1.38	0.2399
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA120
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1200.8706	1.2069
Scaled Deviance	995	1200.8706	1.2069
Pearson Chi-Square	995	1120.3855	1.1260
Scaled Pearson X2	995	1120.3855	1.1260
Log Likelihood		246.7871	
Full Log Likelihood		-1962.9723	
AIC (smaller is better)		3935.9446	
AICC (smaller is better)		3936.0050	
BIC (smaller is better)		3960.4834	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001475	-0.001220	-0.001094	0.001192	-0.000308
Prm2	-0.001220	0.002717	0.001175	-0.002714	0.0000365
Prm3	-0.001094	0.001175	0.002373	-0.002342	-0.000099
Prm4	0.001192	-0.002714	-0.002342	0.005565	-6.59E-6
Prm5	-0.000308	0.0000365	-0.000099	-6.59E-6	0.0003282

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1341	0.0384	1.0588	1.2093	872.21	<.0001
A	1	0.0109	0.0521	-0.0912	0.1131	0.04	0.8338
M_bin	1	-0.0613	0.0487	-0.1568	0.0341	1.59	0.2080
int	1	-0.0479	0.0746	-0.1941	0.0983	0.41	0.5206
C	1	-0.0147	0.0181	-0.0502	0.0208	0.66	0.4183
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA121
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1170.9503	1.1768
Scaled Deviance	995	1170.9503	1.1768
Pearson Chi-Square	995	1064.1868	1.0695
Scaled Pearson X2	995	1064.1868	1.0695
Log Likelihood		196.9004	
Full Log Likelihood		-1940.8825	
AIC (smaller is better)		3891.7650	
AICC (smaller is better)		3891.8253	
BIC (smaller is better)		3916.3038	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001426	-0.001223	-0.001091	0.001191	-0.000286
Prm2	-0.001223	0.002893	0.001182	-0.002889	0.0000347
Prm3	-0.001091	0.001182	0.002395	-0.002350	-0.000129
Prm4	0.001191	-0.002889	-0.002350	0.005672	5.1677E-6
Prm5	-0.000286	0.0000347	-0.000129	5.1677E-6	0.0003554

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0926	0.0378	1.0186	1.1666	837.31	<.0001
A	1	-0.0017	0.0538	-0.1071	0.1038	0.00	0.9754
M_bin	1	-0.0476	0.0489	-0.1436	0.0483	0.95	0.3303
int	1	0.0262	0.0753	-0.1214	0.1738	0.12	0.7277
C	1	-0.0058	0.0189	-0.0427	0.0312	0.09	0.7599
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA122
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1178.0526	1.1840
Scaled Deviance	995	1178.0526	1.1840
Pearson Chi-Square	995	1058.9656	1.0643
Scaled Pearson X2	995	1058.9656	1.0643
Log Likelihood		281.0691	
Full Log Likelihood		-1954.5607	
AIC (smaller is better)		3919.1213	
AICC (smaller is better)		3919.1817	
BIC (smaller is better)		3943.6601	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001273	-0.001052	-0.000980	0.001046	-0.000242
Prm2	-0.001052	0.002749	0.001121	-0.002750	-0.000057
Prm3	-0.000980	0.001121	0.002294	-0.002252	-0.000154
Prm4	0.001046	-0.002750	-0.002252	0.005628	0.0000654
Prm5	-0.000242	-0.000057	-0.000154	0.0000654	0.0003277

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1696	0.0357	1.0997	1.2395	1074.90	<.0001
A	1	0.0087	0.0524	-0.0941	0.1115	0.03	0.8683
M_bin	1	-0.0776	0.0479	-0.1715	0.0162	2.63	0.1050
int	1	-0.0397	0.0750	-0.1867	0.1073	0.28	0.5966
C	1	-0.0332	0.0181	-0.0686	0.0023	3.36	0.0670
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA123
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1137.2820	1.1430
Scaled Deviance	995	1137.2820	1.1430
Pearson Chi-Square	995	1045.2561	1.0505
Scaled Pearson X2	995	1045.2561	1.0505
Log Likelihood		210.8218	
Full Log Likelihood		-1929.1808	
AIC (smaller is better)		3868.3616	
AICC (smaller is better)		3868.4219	
BIC (smaller is better)		3892.9004	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001485	-0.001201	-0.001117	0.001173	-0.000307
Prm2	-0.001201	0.002852	0.001233	-0.002854	-0.000027
Prm3	-0.001117	0.001233	0.002428	-0.002405	-0.000126
Prm4	0.001173	-0.002854	-0.002405	0.005633	0.0000604
Prm5	-0.000307	-0.000027	-0.000126	0.0000604	0.0003619

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0870	0.0385	1.0114	1.1625	795.61	<.0001
A	1	0.1296	0.0534	0.0249	0.2343	5.89	0.0152
M_bin	1	0.0362	0.0493	-0.0604	0.1327	0.54	0.4630
int	1	-0.2262	0.0751	-0.3733	-0.0791	9.08	0.0026
C	1	-0.0389	0.0190	-0.0762	-0.0016	4.19	0.0407
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA124
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1122.0394	1.1277
Scaled Deviance	995	1122.0394	1.1277
Pearson Chi-Square	995	1014.6821	1.0198
Scaled Pearson X2	995	1014.6821	1.0198
Log Likelihood		260.6593	
Full Log Likelihood		-1931.4378	
AIC (smaller is better)		3872.8755	
AICC (smaller is better)		3872.9359	
BIC (smaller is better)		3897.4143	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001419	-0.001215	-0.001096	0.001155	-0.000259
Prm2	-0.001215	0.003065	0.001202	-0.003063	0.0000106
Prm3	-0.001096	0.001202	0.002455	-0.002425	-0.000134
Prm4	0.001155	-0.003063	-0.002425	0.005589	0.0000622
Prm5	-0.000259	0.0000106	-0.000134	0.0000622	0.0003139

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1650	0.0377	1.0912 1.2388	956.16	<.0001	
A	1	-0.0844	0.0554	-0.1929 0.0241	2.33	0.1273	
M_bin	1	-0.0420	0.0496	-0.1392 0.0551	0.72	0.3963	
int	1	0.0946	0.0748	-0.0519 0.2411	1.60	0.2056	
C	1	-0.0422	0.0177	-0.0769 -0.0075	5.67	0.0173	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA125
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1166.3172	1.1722
Scaled Deviance	995	1166.3172	1.1722
Pearson Chi-Square	995	1064.0149	1.0694
Scaled Pearson X2	995	1064.0149	1.0694
Log Likelihood		190.4165	
Full Log Likelihood		-1936.0903	
AIC (smaller is better)		3882.1806	
AICC (smaller is better)		3882.2410	
BIC (smaller is better)		3906.7194	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001374	-0.001124	-0.001043	0.001119	-0.000293
Prm2	-0.001124	0.002877	0.001122	-0.002877	1.404E-6
Prm3	-0.001043	0.001122	0.002413	-0.002389	-0.000092
Prm4	0.001119	-0.002877	-0.002389	0.005691	3.605E-6
Prm5	-0.000293	1.404E-6	-0.000092	3.605E-6	0.0003419

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1699	0.0371	1.0973	1.2426	996.28	<.0001
A	1	-0.0721	0.0536	-0.1772	0.0330	1.81	0.1789
M_bin	1	-0.0905	0.0491	-0.1867	0.0058	3.39	0.0655
int	1	0.0731	0.0754	-0.0748	0.2209	0.94	0.3326
C	1	-0.0460	0.0185	-0.0822	-0.0097	6.18	0.0129
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA126
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1130.1806	1.1359
Scaled Deviance	995	1130.1806	1.1359
Pearson Chi-Square	995	1025.9711	1.0311
Scaled Pearson X2	995	1025.9711	1.0311
Log Likelihood		210.9186	
Full Log Likelihood		-1925.3688	
AIC (smaller is better)		3860.7376	
AICC (smaller is better)		3860.7979	
BIC (smaller is better)		3885.2764	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001384	-0.001159	-0.001024	0.001138	-0.000289
Prm2	-0.001159	0.002900	0.001123	-0.002898	0.0000293
Prm3	-0.001024	0.001123	0.002421	-0.002371	-0.000127
Prm4	0.001138	-0.002898	-0.002371	0.005650	-4.458E-6
Prm5	-0.000289	0.0000293	-0.000127	-4.458E-6	0.0003337

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1516	0.0372	1.0787	1.2246	958.04	<.0001
A	1	-0.0492	0.0539	-0.1548	0.0563	0.84	0.3607
M_bin	1	-0.1152	0.0492	-0.2116	-0.0187	5.48	0.0192
int	1	0.0192	0.0752	-0.1281	0.1665	0.07	0.7986
C	1	-0.0049	0.0183	-0.0407	0.0309	0.07	0.7893
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA127
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1134.3203	1.1400
Scaled Deviance	995	1134.3203	1.1400
Pearson Chi-Square	995	1031.5291	1.0367
Scaled Pearson X2	995	1031.5291	1.0367
Log Likelihood		184.8350	
Full Log Likelihood		-1922.1637	
AIC (smaller is better)		3854.3274	
AICC (smaller is better)		3854.3878	
BIC (smaller is better)		3878.8662	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001421	-0.001146	-0.001042	0.001127	-0.000322
Prm2	-0.001146	0.002848	0.001123	-0.002847	0.0000194
Prm3	-0.001042	0.001123	0.002395	-0.002370	-0.000095
Prm4	0.001127	-0.002847	-0.002370	0.005700	1.4204E-6
Prm5	-0.000322	0.0000194	-0.000095	1.4204E-6	0.0003551

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1121	0.0377	1.0382	1.1860	870.16	<.0001
A	1	-0.0058	0.0534	-0.1104	0.0988	0.01	0.9137
M_bin	1	-0.0085	0.0489	-0.1044	0.0874	0.03	0.8626
int	1	-0.0957	0.0755	-0.2437	0.0522	1.61	0.2048
C	1	-0.0208	0.0188	-0.0577	0.0162	1.21	0.2704
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA128
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1127.1005	1.1328
Scaled Deviance	995	1127.1005	1.1328
Pearson Chi-Square	995	1055.7048	1.0610
Scaled Pearson X2	995	1055.7048	1.0610
Log Likelihood		228.7599	
Full Log Likelihood		-1931.6786	
AIC (smaller is better)		3873.3571	
AICC (smaller is better)		3873.4175	
BIC (smaller is better)		3897.8959	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001398	-0.001129	-0.001064	0.001124	-0.000297
Prm2	-0.001129	0.002787	0.001162	-0.002788	-0.000029
Prm3	-0.001064	0.001162	0.002353	-0.002331	-0.000109
Prm4	0.001124	-0.002788	-0.002331	0.005630	0.0000352
Prm5	-0.000297	-0.000029	-0.000109	0.0000352	0.0003599

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1291	0.0374	1.0559	1.2024	911.72	<.0001
A	1	0.0473	0.0528	-0.0562	0.1507	0.80	0.3707
M_bin	1	-0.0705	0.0485	-0.1655	0.0246	2.11	0.1464
int	1	-0.0391	0.0750	-0.1861	0.1080	0.27	0.6027
C	1	-0.0281	0.0190	-0.0653	0.0090	2.20	0.1379
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA129
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1195.5044	1.2015
Scaled Deviance	995	1195.5044	1.2015
Pearson Chi-Square	995	1071.2873	1.0767
Scaled Pearson X2	995	1071.2873	1.0767
Log Likelihood		226.3901	
Full Log Likelihood		-1952.4956	
AIC (smaller is better)		3914.9913	
AICC (smaller is better)		3915.0516	
BIC (smaller is better)		3939.5300	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001215	-0.001001	-0.000939	0.0009518	-0.000239
Prm2	-0.001001	0.002922	0.001068	-0.002934	-0.000058
Prm3	-0.000939	0.001068	0.002252	-0.002244	-0.000144
Prm4	0.0009518	-0.002934	-0.002244	0.005870	0.0001259
Prm5	-0.000239	-0.000058	-0.000144	0.0001259	0.0003311

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1402	0.0349	1.0718	1.2085	1069.57	<.0001
A	1	-0.0703	0.0541	-0.1763	0.0356	1.69	0.1934
M_bin	1	-0.0155	0.0475	-0.1085	0.0775	0.11	0.7442
int	1	0.0036	0.0766	-0.1466	0.1538	0.00	0.9625
C	1	-0.0320	0.0182	-0.0677	0.0037	3.09	0.0786
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA130
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1120.6981	1.1263
Scaled Deviance	995	1120.6981	1.1263
Pearson Chi-Square	995	1017.8084	1.0229
Scaled Pearson X2	995	1017.8084	1.0229
Log Likelihood		267.0209	
Full Log Likelihood		-1934.2176	
AIC (smaller is better)		3878.4352	
AICC (smaller is better)		3878.4956	
BIC (smaller is better)		3902.9740	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001416	-0.001161	-0.001029	0.001164	-0.000323
Prm2	-0.001161	0.002937	0.001093	-0.002938	0.0000570
Prm3	-0.001029	0.001093	0.002326	-0.002292	-0.000081
Prm4	0.001164	-0.002938	-0.002292	0.005603	-0.000060
Prm5	-0.000323	0.0000570	-0.000081	-0.000060	0.0003362

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1837	0.0376	1.1100	1.2575	989.64	<.0001
A	1	-0.0717	0.0542	-0.1779	0.0345	1.75	0.1858
M_bin	1	-0.0676	0.0482	-0.1621	0.0270	1.96	0.1612
int	1	0.0094	0.0749	-0.1373	0.1561	0.02	0.9004
C	1	-0.0301	0.0183	-0.0660	0.0059	2.69	0.1009
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA131
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1043.1723	1.0484
Scaled Deviance	995	1043.1723	1.0484
Pearson Chi-Square	995	936.6082	0.9413
Scaled Pearson X2	995	936.6082	0.9413
Log Likelihood		249.1931	
Full Log Likelihood		-1898.7331	
AIC (smaller is better)		3807.4662	
AICC (smaller is better)		3807.5265	
BIC (smaller is better)		3832.0049	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001325	-0.001016	-0.000981	0.001005	-0.000297
Prm2	-0.001016	0.002768	0.001096	-0.002771	-0.000069
Prm3	-0.000981	0.001096	0.002280	-0.002271	-0.000111
Prm4	0.001005	-0.002771	-0.002271	0.005690	0.0000816
Prm5	-0.000297	-0.000069	-0.000111	0.0000816	0.0003518

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1273	0.0364	1.0559	1.1986	959.04	<.0001
A	1	0.0242	0.0526	-0.0790	0.1273	0.21	0.6462
M_bin	1	-0.0431	0.0477	-0.1367	0.0505	0.81	0.3670
int	1	-0.1128	0.0754	-0.2606	0.0351	2.24	0.1349
C	1	-0.0095	0.0188	-0.0462	0.0273	0.25	0.6142
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA132
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1169.8887	1.1758
Scaled Deviance	995	1169.8887	1.1758
Pearson Chi-Square	995	1087.7563	1.0932
Scaled Pearson X2	995	1087.7563	1.0932
Log Likelihood		342.1374	
Full Log Likelihood		-1967.7208	
AIC (smaller is better)		3945.4417	
AICC (smaller is better)		3945.5020	
BIC (smaller is better)		3969.9804	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001246	-0.001046	-0.000962	0.001033	-0.000244
Prm2	-0.001046	0.002705	0.001070	-0.002706	-0.000021
Prm3	-0.000962	0.001070	0.002262	-0.002224	-0.000132
Prm4	0.001033	-0.002706	-0.002224	0.005481	0.0000376
Prm5	-0.000244	-0.000021	-0.000132	0.0000376	0.0003213

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1459	0.0353	1.0767	1.2151	1053.52	<.0001
A	1	0.0492	0.0520	-0.0527	0.1511	0.89	0.3442
M_bin	1	-0.0425	0.0476	-0.1357	0.0507	0.80	0.3717
int	1	-0.1079	0.0740	-0.2530	0.0372	2.12	0.1452
C	1	-0.0109	0.0179	-0.0460	0.0242	0.37	0.5434
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA133
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1115.5775	1.1212
Scaled Deviance	995	1115.5775	1.1212
Pearson Chi-Square	995	1003.9579	1.0090
Scaled Pearson X2	995	1003.9579	1.0090
Log Likelihood		262.3702	
Full Log Likelihood		-1930.4668	
AIC (smaller is better)		3870.9337	
AICC (smaller is better)		3870.9940	
BIC (smaller is better)		3895.4725	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001285	-0.001009	-0.000961	0.001003	-0.000279
Prm2	-0.001009	0.002731	0.001081	-0.002733	-0.000062
Prm3	-0.000961	0.001081	0.002326	-0.002308	-0.000121
Prm4	0.001003	-0.002733	-0.002308	0.005614	0.0000689
Prm5	-0.000279	-0.000062	-0.000121	0.0000689	0.0003436

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1542	0.0359	1.0840	1.2245	1036.55	<.0001
A	1	-0.0445	0.0523	-0.1470	0.0579	0.73	0.3942
M_bin	1	-0.0803	0.0482	-0.1748	0.0142	2.77	0.0958
int	1	0.0427	0.0749	-0.1042	0.1895	0.32	0.5691
C	1	-0.0177	0.0185	-0.0540	0.0186	0.91	0.3395
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA134
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1161.2862	1.1671
Scaled Deviance	995	1161.2862	1.1671
Pearson Chi-Square	995	1068.6651	1.0740
Scaled Pearson X2	995	1068.6651	1.0740
Log Likelihood		282.6601	
Full Log Likelihood		-1952.0958	
AIC (smaller is better)		3914.1915	
AICC (smaller is better)		3914.2519	
BIC (smaller is better)		3938.7303	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001397	-0.001129	-0.001006	0.001067	-0.000300
Prm2	-0.001129	0.002782	0.001113	-0.002779	0.0000129
Prm3	-0.001006	0.001113	0.002306	-0.002282	-0.000120
Prm4	0.001067	-0.002779	-0.002282	0.005563	0.0000544
Prm5	-0.000300	0.0000129	-0.000120	0.0000544	0.0003230

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1119	0.0374	1.0386	1.1851	885.05	<.0001
A	1	0.0953	0.0527	-0.0081	0.1987	3.26	0.0708
M_bin	1	-0.0196	0.0480	-0.1138	0.0745	0.17	0.6825
int	1	-0.1207	0.0746	-0.2669	0.0255	2.62	0.1055
C	1	-0.0200	0.0180	-0.0552	0.0152	1.24	0.2657
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA135
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1105.7290	1.1113
Scaled Deviance	995	1105.7290	1.1113
Pearson Chi-Square	995	1019.1920	1.0243
Scaled Pearson X2	995	1019.1920	1.0243
Log Likelihood		236.1043	
Full Log Likelihood		-1921.5335	
AIC (smaller is better)		3853.0670	
AICC (smaller is better)		3853.1274	
BIC (smaller is better)		3877.6058	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001246	-0.001036	-0.000921	0.0009726	-0.000265
Prm2	-0.001036	0.002663	0.001033	-0.002662	2.5975E-6
Prm3	-0.000921	0.001033	0.002391	-0.002364	-0.000141
Prm4	0.0009726	-0.002662	-0.002364	0.005687	0.0000769
Prm5	-0.000265	2.5975E-6	-0.000141	0.0000769	0.0003317

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1916	0.0353	1.1224	1.2608	1139.30	<.0001
A	1	-0.0526	0.0516	-0.1538	0.0485	1.04	0.3078
M_bin	1	-0.1075	0.0489	-0.2033	-0.0116	4.83	0.0279
int	1	0.0152	0.0754	-0.1326	0.1630	0.04	0.8401
C	1	-0.0456	0.0182	-0.0813	-0.0099	6.26	0.0124
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA136
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1198.5161	1.2045
Scaled Deviance	995	1198.5161	1.2045
Pearson Chi-Square	995	1151.0991	1.1569
Scaled Pearson X2	995	1151.0991	1.1569
Log Likelihood		-249.4358	
Full Log Likelihood		-1964.4358	
AIC (smaller is better)		3938.8717	
AICC (smaller is better)		3938.9321	
BIC (smaller is better)		3963.4105	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001467	-0.001229	-0.001138	0.001198	-0.000275
Prm2	-0.001229	0.002733	0.001242	-0.002734	-0.000011
Prm3	-0.001138	0.001242	0.002473	-0.002447	-0.000120
Prm4	0.001198	-0.002734	-0.002447	0.005516	0.0000477
Prm5	-0.000275	-0.000011	-0.000120	0.0000477	0.0003313

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0995	0.0383	1.0244	1.1746	824.23	<.0001
A	1	0.1195	0.0523	0.0171	0.2220	5.23	0.0222
M_bin	1	0.0761	0.0497	-0.0214	0.1736	2.34	0.1259
int	1	-0.2774	0.0743	-0.4230	-0.1319	13.95	0.0002
C	1	-0.0463	0.0182	-0.0820	-0.0107	6.48	0.0109
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA137
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1203.4068	1.2095
Scaled Deviance	995	1203.4068	1.2095
Pearson Chi-Square	995	1093.7288	1.0992
Scaled Pearson X2	995	1093.7288	1.0992
Log Likelihood		182.9402	
Full Log Likelihood		-1947.9637	
AIC (smaller is better)		3905.9274	
AICC (smaller is better)		3905.9878	
BIC (smaller is better)		3930.4662	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001415	-0.001155	-0.001044	0.001121	-0.000284
Prm2	-0.001155	0.002841	0.001166	-0.002842	-8.218E-6
Prm3	-0.001044	0.001166	0.002464	-0.002428	-0.000134
Prm4	0.001121	-0.002842	-0.002428	0.005675	0.0000474
Prm5	-0.000284	-8.218E-6	-0.000134	0.0000474	0.0003193

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1244	0.0376	1.0507	1.1981	893.71	<.0001
A	1	-0.0734	0.0533	-0.1778	0.0311	1.89	0.1687
M_bin	1	-0.1188	0.0496	-0.2161	-0.0215	5.73	0.0167
int	1	0.0445	0.0753	-0.1032	0.1921	0.35	0.5548
C	1	0.0180	0.0179	-0.0171	0.0530	1.01	0.3145
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA138
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1084.5456	1.0900
Scaled Deviance	995	1084.5456	1.0900
Pearson Chi-Square	995	1007.4424	1.0125
Scaled Pearson X2	995	1007.4424	1.0125
Log Likelihood		208.9773	
Full Log Likelihood		-1911.0406	
AIC (smaller is better)		3832.0811	
AICC (smaller is better)		3832.1415	
BIC (smaller is better)		3856.6199	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001411	-0.001199	-0.001037	0.001168	-0.000304
Prm2	-0.001199	0.002750	0.001112	-0.002743	0.0000706
Prm3	-0.001037	0.001112	0.002475	-0.002429	-0.000108
Prm4	0.001168	-0.002743	-0.002429	0.005592	-0.000036
Prm5	-0.000304	0.0000706	-0.000108	-0.000036	0.0003355

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1060	0.0376	1.0323	1.1796	866.61	<.0001
A	1	0.0258	0.0524	-0.0770	0.1286	0.24	0.6225
M_bin	1	-0.0409	0.0498	-0.1384	0.0566	0.68	0.4113
int	1	-0.0090	0.0748	-0.1555	0.1376	0.01	0.9047
C	1	-0.0239	0.0183	-0.0598	0.0120	1.71	0.1914
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA139
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1214.2280	1.2203
Scaled Deviance	995	1214.2280	1.2203
Pearson Chi-Square	995	1115.8172	1.1214
Scaled Pearson X2	995	1115.8172	1.1214
Log Likelihood		273.0163	
Full Log Likelihood		-1971.6874	
AIC (smaller is better)		3953.3748	
AICC (smaller is better)		3953.4351	
BIC (smaller is better)		3977.9135	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001297	-0.001042	-0.000973	0.001024	-0.000270
Prm2	-0.001042	0.002712	0.001128	-0.002717	-0.000072
Prm3	-0.000973	0.001128	0.002403	-0.002372	-0.000164
Prm4	0.001024	-0.002717	-0.002372	0.005546	0.0000951
Prm5	-0.000270	-0.000072	-0.000164	0.0000951	0.0003618

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1275	0.0360	1.0569	1.1981	980.24	<.0001
A	1	-0.0135	0.0521	-0.1156	0.0885	0.07	0.7949
M_bin	1	-0.0919	0.0490	-0.1880	0.0042	3.51	0.0609
int	1	0.0962	0.0745	-0.0498	0.2421	1.67	0.1966
C	1	-0.0060	0.0190	-0.0433	0.0312	0.10	0.7510
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA140
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1124.1833	1.1298
Scaled Deviance	995	1124.1833	1.1298
Pearson Chi-Square	995	1044.2917	1.0495
Scaled Pearson X2	995	1044.2917	1.0495
Log Likelihood		182.3711	
Full Log Likelihood		-1920.8453	
AIC (smaller is better)		3851.6905	
AICC (smaller is better)		3851.7509	
BIC (smaller is better)		3876.2293	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001458	-0.001246	-0.001171	0.001265	-0.000269
Prm2	-0.001246	0.002802	0.001221	-0.002804	0.0000239
Prm3	-0.001171	0.001221	0.002476	-0.002454	-0.000063
Prm4	0.001265	-0.002804	-0.002454	0.005629	-0.000045
Prm5	-0.000269	0.0000239	-0.000063	-0.000045	0.0003103

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0884	0.0382	1.0135	1.1632	812.53	<.0001
A	1	0.0873	0.0529	-0.0165	0.1910	2.72	0.0991
M_bin	1	-0.0223	0.0498	-0.1198	0.0752	0.20	0.6540
int	1	-0.1280	0.0750	-0.2751	0.0190	2.91	0.0880
C	1	-0.0254	0.0176	-0.0599	0.0092	2.07	0.1499
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA141
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1122.8758	1.1285
Scaled Deviance	995	1122.8758	1.1285
Pearson Chi-Square	995	1039.9373	1.0452
Scaled Pearson X2	995	1039.9373	1.0452
Log Likelihood		232.2318	
Full Log Likelihood		-1930.5693	
AIC (smaller is better)		3871.1386	
AICC (smaller is better)		3871.1990	
BIC (smaller is better)		3895.6774	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001424	-0.001143	-0.001066	0.001122	-0.000312
Prm2	-0.001143	0.002647	0.001132	-0.002646	9.7172E-6
Prm3	-0.001066	0.001132	0.002453	-0.002440	-0.000072
Prm4	0.001122	-0.002646	-0.002440	0.005546	0.0000132
Prm5	-0.000312	9.7172E-6	-0.000072	0.0000132	0.0003349

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1104	0.0377	1.0364	1.1843	865.78	<.0001
A	1	0.0525	0.0514	-0.0484	0.1533	1.04	0.3080
M_bin	1	-0.0256	0.0495	-0.1226	0.0715	0.27	0.6057
int	1	-0.1380	0.0745	-0.2840	0.0079	3.44	0.0638
C	1	-0.0125	0.0183	-0.0484	0.0233	0.47	0.4930
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA142
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1207.2038	1.2133
Scaled Deviance	995	1207.2038	1.2133
Pearson Chi-Square	995	1100.2938	1.1058
Scaled Pearson X2	995	1100.2938	1.1058
Log Likelihood		372.7378	
Full Log Likelihood		-1984.8133	
AIC (smaller is better)		3979.6266	
AICC (smaller is better)		3979.6869	
BIC (smaller is better)		4004.1653	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001253	-0.001006	-0.000909	0.0009809	-0.000287
Prm2	-0.001006	0.002686	0.001009	-0.002686	-2.021E-6
Prm3	-0.000909	0.001009	0.002361	-0.002331	-0.000116
Prm4	0.0009809	-0.002686	-0.002331	0.005394	0.0000318
Prm5	-0.000287	-2.021E-6	-0.000116	0.0000318	0.0003358

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1691	0.0354	1.0997	1.2385	1090.37	<.0001
A	1	-0.0278	0.0518	-0.1294	0.0738	0.29	0.5913
M_bin	1	-0.0363	0.0486	-0.1316	0.0589	0.56	0.4547
int	1	0.0151	0.0734	-0.1288	0.1591	0.04	0.8367
C	1	-0.0216	0.0183	-0.0576	0.0143	1.39	0.2377
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA143
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1150.4534	1.1562
Scaled Deviance	995	1150.4534	1.1562
Pearson Chi-Square	995	1087.5926	1.0931
Scaled Pearson X2	995	1087.5926	1.0931
Log Likelihood		270.1844	
Full Log Likelihood		-1950.2867	
AIC (smaller is better)		3910.5734	
AICC (smaller is better)		3910.6338	
BIC (smaller is better)		3935.1122	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001279	-0.001059	-0.000975	0.001061	-0.000251
Prm2	-0.001059	0.002740	0.001124	-0.002740	-0.000054
Prm3	-0.000975	0.001124	0.002411	-0.002354	-0.000169
Prm4	0.001061	-0.002740	-0.002354	0.005538	0.0000504
Prm5	-0.000251	-0.000054	-0.000169	0.0000504	0.0003477

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1557	0.0358	1.0856	1.2258	1044.06	<.0001
A	1	-0.0214	0.0523	-0.1240	0.0812	0.17	0.6832
M_bin	1	-0.0940	0.0491	-0.1902	0.0022	3.66	0.0556
int	1	0.0877	0.0744	-0.0581	0.2336	1.39	0.2384
C	1	-0.0290	0.0186	-0.0656	0.0075	2.42	0.1198
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA144
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1131.4171	1.1371
Scaled Deviance	995	1131.4171	1.1371
Pearson Chi-Square	995	1036.2393	1.0414
Scaled Pearson X2	995	1036.2393	1.0414
Log Likelihood		224.3155	
Full Log Likelihood		-1932.6005	
AIC (smaller is better)		3875.2009	
AICC (smaller is better)		3875.2613	
BIC (smaller is better)		3899.7397	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001368	-0.001129	-0.001052	0.001060	-0.000243
Prm2	-0.001129	0.002762	0.001242	-0.002787	-0.000087
Prm3	-0.001052	0.001242	0.002618	-0.002612	-0.000192
Prm4	0.001060	-0.002787	-0.002612	0.005608	0.0001819
Prm5	-0.000243	-0.000087	-0.000192	0.0001819	0.0003346

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0969	0.0370	1.0245	1.1694	879.66	<.0001
A	1	0.0127	0.0526	-0.0904	0.1157	0.06	0.8098
M_bin	1	-0.0202	0.0512	-0.1205	0.0801	0.16	0.6930
int	1	0.0303	0.0749	-0.1165	0.1770	0.16	0.6861
C	1	-0.0234	0.0183	-0.0592	0.0125	1.63	0.2016
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA145
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1120.1453	1.1258
Scaled Deviance	995	1120.1453	1.1258
Pearson Chi-Square	995	1018.0855	1.0232
Scaled Pearson X2	995	1018.0855	1.0232
Log Likelihood		-225.1297	
Full Log Likelihood		-1925.6394	
AIC (smaller is better)		3861.2788	
AICC (smaller is better)		3861.3392	
BIC (smaller is better)		3885.8176	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001547	-0.001244	-0.001159	0.001208	-0.0000318
Prm2	-0.001244	0.002939	0.001276	-0.002942	-0.0000026
Prm3	-0.001159	0.001276	0.002550	-0.002531	-0.000123
Prm4	0.001208	-0.002942	-0.002531	0.005549	0.0000680
Prm5	-0.0000318	-0.0000026	-0.000123	0.0000680	0.0003611

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1174	0.0393	1.0403	1.1945	807.05	<.0001
A	1	0.0523	0.0542	-0.0540	0.1585	0.93	0.3347
M_bin	1	-0.1051	0.0505	-0.2040	-0.0061	4.33	0.0375
int	1	0.0338	0.0745	-0.1122	0.1798	0.21	0.6497
C	1	-0.0168	0.0190	-0.0541	0.0204	0.78	0.3763
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA146
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1164.6539	1.1705
Scaled Deviance	995	1164.6539	1.1705
Pearson Chi-Square	995	1055.8954	1.0612
Scaled Pearson X2	995	1055.8954	1.0612
Log Likelihood		160.2290	
Full Log Likelihood		-1929.8431	
AIC (smaller is better)		3869.6862	
AICC (smaller is better)		3869.7466	
BIC (smaller is better)		3894.2250	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001397	-0.001151	-0.000994	0.001088	-0.000299
Prm2	-0.001151	0.002759	0.001099	-0.002751	0.0000384
Prm3	-0.000994	0.001099	0.002439	-0.002398	-0.000128
Prm4	0.001088	-0.002751	-0.002398	0.005762	0.0000280
Prm5	-0.000299	0.0000384	-0.000128	0.0000280	0.0003168

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1328	0.0374	1.0596	1.2061	918.34	<.0001
A	1	-0.0262	0.0525	-0.1291	0.0768	0.25	0.6184
M_bin	1	-0.0770	0.0494	-0.1738	0.0198	2.43	0.1189
int	1	-0.0135	0.0759	-0.1623	0.1353	0.03	0.8590
C	1	-0.0252	0.0178	-0.0601	0.0097	2.00	0.1574
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA147
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1215.8819	1.2220
Scaled Deviance	995	1215.8819	1.2220
Pearson Chi-Square	995	1136.3614	1.1421
Scaled Pearson X2	995	1136.3614	1.1421
Log Likelihood		232.7787	
Full Log Likelihood		-1966.9459	
AIC (smaller is better)		3943.8919	
AICC (smaller is better)		3943.9522	
BIC (smaller is better)		3968.4306	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001344	-0.001105	-0.001041	0.001074	-0.000253
Prm2	-0.001105	0.002852	0.001160	-0.002857	-0.000045
Prm3	-0.001041	0.001160	0.002372	-0.002356	-0.000125
Prm4	0.001074	-0.002857	-0.002356	0.005633	0.0000843
Prm5	-0.000253	-0.000045	-0.000125	0.0000843	0.0003161

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0925	0.0367	1.0207	1.1643	888.23	<.0001
A	1	0.0405	0.0534	-0.0641	0.1452	0.58	0.4480
M_bin	1	0.0055	0.0487	-0.0900	0.1009	0.01	0.9107
int	1	-0.0522	0.0751	-0.1994	0.0949	0.48	0.4863
C	1	-0.0216	0.0178	-0.0565	0.0132	1.48	0.2235
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA148
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1213.8940	1.2200
Scaled Deviance	995	1213.8940	1.2200
Pearson Chi-Square	995	1092.4661	1.0980
Scaled Pearson X2	995	1092.4661	1.0980
Log Likelihood		240.4122	
Full Log Likelihood		-1960.3557	
AIC (smaller is better)		3930.7115	
AICC (smaller is better)		3930.7719	
BIC (smaller is better)		3955.2503	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001240	-0.001014	-0.000940	0.0009825	-0.000266
Prm2	-0.001014	0.002910	0.001030	-0.002911	-0.000015
Prm3	-0.000940	0.001030	0.002342	-0.002325	-0.000106
Prm4	0.0009825	-0.002911	-0.002325	0.005719	0.0000537
Prm5	-0.000266	-0.000015	-0.000106	0.0000537	0.0003315

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1495	0.0352	1.0804	1.2185	1065.94	<.0001
A	1	0.0125	0.0539	-0.0932	0.1182	0.05	0.8170
M_bin	1	-0.0751	0.0484	-0.1700	0.0197	2.41	0.1206
int	1	0.0340	0.0756	-0.1142	0.1822	0.20	0.6528
C	1	-0.0465	0.0182	-0.0821	-0.0108	6.51	0.0107
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA149
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1152.4330	1.1582
Scaled Deviance	995	1152.4330	1.1582
Pearson Chi-Square	995	1055.3571	1.0607
Scaled Pearson X2	995	1055.3571	1.0607
Log Likelihood		234.9592	
Full Log Likelihood		-1937.5084	
AIC (smaller is better)		3885.0169	
AICC (smaller is better)		3885.0772	
BIC (smaller is better)		3909.5556	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001523	-0.001236	-0.001105	0.001185	-0.000321
Prm2	-0.001236	0.002866	0.001202	-0.002861	0.0000256
Prm3	-0.001105	0.001202	0.002337	-0.002310	-0.000108
Prm4	0.001185	-0.002861	-0.002310	0.005660	0.0000265
Prm5	-0.000321	0.0000256	-0.000108	0.0000265	0.0003303

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1123	0.0390	1.0358	1.1888	812.38	<.0001
A	1	0.0458	0.0535	-0.0591	0.1507	0.73	0.3924
M_bin	1	-0.0324	0.0483	-0.1271	0.0623	0.45	0.5027
int	1	-0.2043	0.0752	-0.3518	-0.0569	7.38	0.0066
C	1	0.0061	0.0182	-0.0295	0.0417	0.11	0.7381
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA150
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1172.8552	1.1787
Scaled Deviance	995	1172.8552	1.1787
Pearson Chi-Square	995	1069.4877	1.0749
Scaled Pearson X2	995	1069.4877	1.0749
Log Likelihood		237.9373	
Full Log Likelihood		-1949.3785	
AIC (smaller is better)		3908.7570	
AICC (smaller is better)		3908.8174	
BIC (smaller is better)		3933.2958	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001291	-0.001006	-0.000936	0.0009654	-0.000291
Prm2	-0.001006	0.002844	0.001038	-0.002847	-0.000026
Prm3	-0.000936	0.001038	0.002364	-0.002353	-0.000104
Prm4	0.0009654	-0.002847	-0.002353	0.005692	0.0000719
Prm5	-0.000291	-0.000026	-0.000104	0.0000719	0.0003245

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1425	0.0359	1.0721	1.2130	1011.13	<.0001
A	1	-0.0113	0.0533	-0.1158	0.0932	0.04	0.8321
M_bin	1	-0.0872	0.0486	-0.1825	0.0081	3.22	0.0729
int	1	0.0349	0.0754	-0.1129	0.1828	0.21	0.6434
C	1	-0.0219	0.0180	-0.0573	0.0134	1.48	0.2231
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA151
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1236.8002	1.2430
Scaled Deviance	995	1236.8002	1.2430
Pearson Chi-Square	995	1121.4805	1.1271
Scaled Pearson X2	995	1121.4805	1.1271
Log Likelihood		232.7000	
Full Log Likelihood		-1968.6440	
AIC (smaller is better)		3947.2880	
AICC (smaller is better)		3947.3484	
BIC (smaller is better)		3971.8268	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001294	-0.001048	-0.000993	0.001047	-0.000255
Prm2	-0.001048	0.002841	0.001117	-0.002841	-0.000058
Prm3	-0.000993	0.001117	0.002506	-0.002479	-0.000129
Prm4	0.001047	-0.002841	-0.002479	0.005614	0.0000604
Prm5	-0.000255	-0.000058	-0.000129	0.0000604	0.0003255

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1527	0.0360	1.0822	1.2232	1027.16	<.0001
A	1	0.0694	0.0533	-0.0351	0.1739	1.70	0.1928
M_bin	1	-0.0531	0.0501	-0.1512	0.0450	1.13	0.2888
int	1	-0.0728	0.0749	-0.2197	0.0740	0.94	0.3311
C	1	-0.0594	0.0180	-0.0947	-0.0240	10.83	0.0010
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA152
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1115.8546	1.1215
Scaled Deviance	995	1115.8546	1.1215
Pearson Chi-Square	995	1001.3221	1.0064
Scaled Pearson X2	995	1001.3221	1.0064
Log Likelihood		208.6796	
Full Log Likelihood		-1918.8089	
AIC (smaller is better)		3847.6178	
AICC (smaller is better)		3847.6782	
BIC (smaller is better)		3872.1566	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001375	-0.001107	-0.001022	0.001034	-0.000272
Prm2	-0.001107	0.002767	0.001186	-0.002783	-0.000060
Prm3	-0.001022	0.001186	0.002483	-0.002476	-0.000166
Prm4	0.001034	-0.002783	-0.002476	0.005685	0.0001512
Prm5	-0.000272	-0.000060	-0.000166	0.0001512	0.0003369

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0670	0.0371	0.9943	1.1397	827.95	<.0001
A	1	0.1130	0.0526	0.0099	0.2161	4.62	0.0317
M_bin	1	-0.0240	0.0498	-0.1216	0.0737	0.23	0.6304
int	1	-0.2030	0.0754	-0.3508	-0.0552	7.25	0.0071
C	1	0.0109	0.0184	-0.0251	0.0469	0.35	0.5524
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA153
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1113.2567	1.1189
Scaled Deviance	995	1113.2567	1.1189
Pearson Chi-Square	995	1019.2734	1.0244
Scaled Pearson X2	995	1019.2734	1.0244
Log Likelihood		162.7972	
Full Log Likelihood		-1912.4918	
AIC (smaller is better)		3834.9837	
AICC (smaller is better)		3835.0440	
BIC (smaller is better)		3859.5224	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001329	-0.001023	-0.000962	0.0009793	-0.000321
Prm2	-0.001023	0.002670	0.001045	-0.002673	-0.000019
Prm3	-0.000962	0.001045	0.002449	-0.002444	-0.000087
Prm4	0.0009793	-0.002673	-0.002444	0.005799	0.0000681
Prm5	-0.000321	-0.000019	-0.000087	0.0000681	0.0003563

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1026	0.0365	1.0312	1.1741	914.61	<.0001
A	1	-0.0413	0.0517	-0.1426	0.0600	0.64	0.4238
M_bin	1	-0.0985	0.0495	-0.1955	-0.0015	3.96	0.0465
int	1	0.0425	0.0762	-0.1068	0.1917	0.31	0.5770
C	1	0.0072	0.0189	-0.0298	0.0442	0.14	0.7036
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA154
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1144.2817	1.1500
Scaled Deviance	995	1144.2817	1.1500
Pearson Chi-Square	995	1050.0855	1.0554
Scaled Pearson X2	995	1050.0855	1.0554
Log Likelihood		273.6273	
Full Log Likelihood		-1946.4400	
AIC (smaller is better)		3902.8800	
AICC (smaller is better)		3902.9404	
BIC (smaller is better)		3927.4188	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001360	-0.001124	-0.001063	0.001115	-0.000256
Prm2	-0.001124	0.002707	0.001150	-0.002708	-0.000022
Prm3	-0.001063	0.001150	0.002384	-0.002365	-0.000094
Prm4	0.001115	-0.002708	-0.002365	0.005489	0.0000333
Prm5	-0.000256	-0.000022	-0.000094	0.0000333	0.0003034

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1250	0.0369	1.0527	1.1973	930.82	<.0001
A	1	0.0224	0.0520	-0.0796	0.1244	0.19	0.6666
M_bin	1	-0.0492	0.0488	-0.1449	0.0465	1.01	0.3140
int	1	0.0075	0.0741	-0.1377	0.1527	0.01	0.9196
C	1	-0.0201	0.0174	-0.0542	0.0141	1.33	0.2492
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA155
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1235.7683	1.2420
Scaled Deviance	995	1235.7683	1.2420
Pearson Chi-Square	995	1099.0267	1.1045
Scaled Pearson X2	995	1099.0267	1.1045
Log Likelihood		229.5166	
Full Log Likelihood		-1964.6463	
AIC (smaller is better)		3939.2925	
AICC (smaller is better)		3939.3529	
BIC (smaller is better)		3963.8313	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001306	-0.000981	-0.000928	0.0009757	-0.000331
Prm2	-0.000981	0.002725	0.0009968	-0.002725	-0.000014
Prm3	-0.000928	0.0009968	0.002280	-0.002270	-0.000070
Prm4	0.0009757	-0.002725	-0.002270	0.005780	0.0000194
Prm5	-0.000331	-0.000014	-0.000070	0.0000194	0.0003500

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1605	0.0361	1.0896	1.2313	1031.00	<.0001
A	1	0.0291	0.0522	-0.0732	0.1315	0.31	0.5766
M_bin	1	-0.1268	0.0478	-0.2204	-0.0332	7.05	0.0079
int	1	-0.0283	0.0760	-0.1774	0.1207	0.14	0.7093
C	1	-0.0286	0.0187	-0.0653	0.0081	2.34	0.1261
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA156
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1176.2279	1.1821
Scaled Deviance	995	1176.2279	1.1821
Pearson Chi-Square	995	1115.9104	1.1215
Scaled Pearson X2	995	1115.9104	1.1215
Log Likelihood		228.7220	
Full Log Likelihood		-1949.5730	
AIC (smaller is better)		3909.1460	
AICC (smaller is better)		3909.2063	
BIC (smaller is better)		3933.6847	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001327	-0.001083	-0.000986	0.001094	-0.000294
Prm2	-0.001083	0.002799	0.001071	-0.002799	0.0000109
Prm3	-0.000986	0.001071	0.002377	-0.002339	-0.000103
Prm4	0.001094	-0.002799	-0.002339	0.005644	-0.000023
Prm5	-0.000294	0.0000109	-0.000103	-0.000023	0.0003420

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1518	0.0364	1.0804	1.2232	999.83	<.0001
A	1	-0.0131	0.0529	-0.1167	0.0906	0.06	0.8050
M_bin	1	-0.0955	0.0488	-0.1910	0.0001	3.83	0.0502
int	1	-0.0344	0.0751	-0.1816	0.1129	0.21	0.6471
C	1	-0.0146	0.0185	-0.0508	0.0216	0.62	0.4298
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA157
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1135.3484	1.1411
Scaled Deviance	995	1135.3484	1.1411
Pearson Chi-Square	995	1081.2965	1.0867
Scaled Pearson X2	995	1081.2965	1.0867
Log Likelihood		236.8411	
Full Log Likelihood		-1939.5372	
AIC (smaller is better)		3889.0744	
AICC (smaller is better)		3889.1348	
BIC (smaller is better)		3913.6132	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001333	-0.001129	-0.001065	0.001102	-0.000228
Prm2	-0.001129	0.002699	0.001177	-0.002704	-0.000041
Prm3	-0.001065	0.001177	0.002500	-0.002479	-0.000126
Prm4	0.001102	-0.002704	-0.002479	0.005544	0.0000767
Prm5	-0.000228	-0.000041	-0.000126	0.0000767	0.0003000

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1264	0.0365	1.0549	1.1980	951.89	<.0001
A	1	0.0734	0.0520	-0.0284	0.1752	2.00	0.1577
M_bin	1	-0.0539	0.0500	-0.1519	0.0441	1.16	0.2811
int	1	-0.1256	0.0745	-0.2715	0.0204	2.84	0.0917
C	1	-0.0253	0.0173	-0.0593	0.0086	2.14	0.1434
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA158
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1228.7845	1.2350
Scaled Deviance	995	1228.7845	1.2350
Pearson Chi-Square	995	1147.0043	1.1528
Scaled Pearson X2	995	1147.0043	1.1528
Log Likelihood		72.8208	
Full Log Likelihood		-1938.8915	
AIC (smaller is better)		3887.7830	
AICC (smaller is better)		3887.8433	
BIC (smaller is better)		3912.3217	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001436	-0.001104	-0.001010	0.001047	-0.000345
Prm2	-0.001104	0.002957	0.001118	-0.002959	-0.000012
Prm3	-0.001010	0.001118	0.002584	-0.002572	-0.000113
Prm4	0.001047	-0.002959	-0.002572	0.005944	0.0000732
Prm5	-0.000345	-0.000012	-0.000113	0.0000732	0.0003709

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1051	0.0379	1.0308	1.1794	850.57	<.0001
A	1	-0.0486	0.0544	-0.1552	0.0579	0.80	0.3711
M_bin	1	-0.0881	0.0508	-0.1877	0.0116	3.00	0.0832
int	1	0.0580	0.0771	-0.0931	0.2091	0.57	0.4519
C	1	-0.0279	0.0193	-0.0656	0.0099	2.10	0.1477
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA159
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1166.7269	1.1726
Scaled Deviance	995	1166.7269	1.1726
Pearson Chi-Square	995	1076.8934	1.0823
Scaled Pearson X2	995	1076.8934	1.0823
Log Likelihood		229.3337	
Full Log Likelihood		-1944.2832	
AIC (smaller is better)		3898.5665	
AICC (smaller is better)		3898.6268	
BIC (smaller is better)		3923.1053	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001303	-0.001097	-0.000984	0.001065	-0.000257
Prm2	-0.001097	0.002848	0.001106	-0.002849	-7.651E-6
Prm3	-0.000984	0.001106	0.002414	-0.002366	-0.000153
Prm4	0.001065	-0.002849	-0.002366	0.005643	0.0000483
Prm5	-0.000257	-7.651E-6	-0.000153	0.0000483	0.0003303

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1587	0.0361	1.0879	1.2294	1030.60	<.0001
A	1	0.0134	0.0534	-0.0912	0.1180	0.06	0.8015
M_bin	1	-0.0442	0.0491	-0.1405	0.0521	0.81	0.3684
int	1	-0.0399	0.0751	-0.1871	0.1073	0.28	0.5954
C	1	-0.0562	0.0182	-0.0919	-0.0206	9.58	0.0020
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA160
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1147.8840	1.1537
Scaled Deviance	995	1147.8840	1.1537
Pearson Chi-Square	995	1066.5732	1.0719
Scaled Pearson X2	995	1066.5732	1.0719
Log Likelihood		180.2109	
Full Log Likelihood		-1930.0136	
AIC (smaller is better)		3870.0272	
AICC (smaller is better)		3870.0875	
BIC (smaller is better)		3894.5659	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001495	-0.001241	-0.001185	0.001248	-0.000271
Prm2	-0.001241	0.002799	0.001282	-0.002798	-0.000035
Prm3	-0.001185	0.001282	0.002556	-0.002532	-0.000103
Prm4	0.001248	-0.002798	-0.002532	0.005598	0.0000271
Prm5	-0.000271	-0.000035	-0.000103	0.0000271	0.0003262

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0870	0.0387	1.0112	1.1628	790.38	<.0001
A	1	0.1004	0.0529	-0.0033	0.2041	3.60	0.0576
M_bin	1	-0.0407	0.0506	-0.1398	0.0584	0.65	0.4204
int	1	-0.1283	0.0748	-0.2749	0.0184	2.94	0.0865
C	1	-0.0205	0.0181	-0.0559	0.0149	1.28	0.2574
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA161
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1028.7042	1.0339
Scaled Deviance	995	1028.7042	1.0339
Pearson Chi-Square	995	935.9364	0.9406
Scaled Pearson X2	995	935.9364	0.9406
Log Likelihood		209.8099	
Full Log Likelihood		-1888.1591	
AIC (smaller is better)		3786.3182	
AICC (smaller is better)		3786.3785	
BIC (smaller is better)		3810.8569	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001472	-0.001161	-0.001085	0.001082	-0.000297
Prm2	-0.001161	0.002970	0.001224	-0.002982	-0.000049
Prm3	-0.001085	0.001224	0.002516	-0.002518	-0.000133
Prm4	0.001082	-0.002982	-0.002518	0.005663	0.0001361
Prm5	-0.000297	-0.000049	-0.000133	0.0001361	0.0003291

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1666	0.0384	1.0914	1.2418	924.36	<.0001
A	1	-0.0117	0.0545	-0.1185	0.0951	0.05	0.8299
M_bin	1	-0.1027	0.0502	-0.2010	-0.0043	4.19	0.0407
int	1	0.0247	0.0753	-0.1228	0.1722	0.11	0.7431
C	1	-0.0392	0.0181	-0.0748	-0.0037	4.68	0.0306
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA162
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1110.1447	1.1157
Scaled Deviance	995	1110.1447	1.1157
Pearson Chi-Square	995	1048.5133	1.0538
Scaled Pearson X2	995	1048.5133	1.0538
Log Likelihood		264.5061	
Full Log Likelihood		-1933.8344	
AIC (smaller is better)		3877.6688	
AICC (smaller is better)		3877.7292	
BIC (smaller is better)		3902.2076	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001319	-0.001087	-0.001012	0.001068	-0.000248
Prm2	-0.001087	0.002897	0.001144	-0.002901	-0.000046
Prm3	-0.001012	0.001144	0.002437	-0.002405	-0.000141
Prm4	0.001068	-0.002901	-0.002405	0.005557	0.0000708
Prm5	-0.000248	-0.000046	-0.000141	0.0000708	0.0003140

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1143	0.0363	1.0431	1.1855	941.44	<.0001
A	1	0.0187	0.0538	-0.0868	0.1242	0.12	0.7287
M_bin	1	-0.0629	0.0494	-0.1597	0.0338	1.63	0.2024
int	1	0.0126	0.0745	-0.1335	0.1587	0.03	0.8661
C	1	-0.0041	0.0177	-0.0389	0.0306	0.05	0.8153
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA163
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1223.3167	1.2295
Scaled Deviance	995	1223.3167	1.2295
Pearson Chi-Square	995	1159.6231	1.1655
Scaled Pearson X2	995	1159.6231	1.1655
Log Likelihood		211.2868	
Full Log Likelihood		-1968.3266	
AIC (smaller is better)		3946.6532	
AICC (smaller is better)		3946.7136	
BIC (smaller is better)		3971.1920	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001426	-0.001124	-0.000998	0.001039	-0.000317
Prm2	-0.001124	0.002904	0.001116	-0.002903	6.0796E-6
Prm3	-0.000998	0.001116	0.002318	-0.002302	-0.000125
Prm4	0.001039	-0.002903	-0.002302	0.005746	0.0000821
Prm5	-0.000317	6.0796E-6	-0.000125	0.0000821	0.0003266

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1051	0.0378	1.0311	1.1791	856.59	<.0001
A	1	-0.0740	0.0539	-0.1797	0.0316	1.89	0.1696
M_bin	1	-0.0343	0.0481	-0.1287	0.0600	0.51	0.4760
int	1	0.0474	0.0758	-0.1012	0.1959	0.39	0.5322
C	1	0.0037	0.0181	-0.0317	0.0391	0.04	0.8368
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA164
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1103.2873	1.1088
Scaled Deviance	995	1103.2873	1.1088
Pearson Chi-Square	995	982.0742	0.9870
Scaled Pearson X2	995	982.0742	0.9870
Log Likelihood		198.4422	
Full Log Likelihood		-1909.1372	
AIC (smaller is better)		3828.2743	
AICC (smaller is better)		3828.3347	
BIC (smaller is better)		3852.8131	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001321	-0.001064	-0.000972	0.001016	-0.000273
Prm2	-0.001064	0.002913	0.001150	-0.002925	-0.000068
Prm3	-0.000972	0.001150	0.002409	-0.002378	-0.000189
Prm4	0.001016	-0.002925	-0.002378	0.005779	0.0001305
Prm5	-0.000273	-0.000068	-0.000189	0.0001305	0.0003616

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.0548	0.0363	0.9835 1.1260	842.42	<.0001	
A	1	0.1381	0.0540	0.0323 0.2439	6.55	0.0105	
M_bin	1	0.0472	0.0491	-0.0490 0.1434	0.93	0.3360	
int	1	-0.2198	0.0760	-0.3688 -0.0708	8.36	0.0038	
C	1	-0.0191	0.0190	-0.0564 0.0181	1.01	0.3143	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA165
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1113.7159	1.1193
Scaled Deviance	995	1113.7159	1.1193
Pearson Chi-Square	995	1033.0967	1.0383
Scaled Pearson X2	995	1033.0967	1.0383
Log Likelihood		248.4222	
Full Log Likelihood		-1926.5112	
AIC (smaller is better)		3863.0223	
AICC (smaller is better)		3863.0827	
BIC (smaller is better)		3887.5611	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001383	-0.001136	-0.001077	0.001062	-0.0000249
Prm2	-0.001136	0.002867	0.001209	-0.002885	-0.000060
Prm3	-0.001077	0.001209	0.002506	-0.002514	-0.000133
Prm4	0.001062	-0.002885	-0.002514	0.005594	0.0001517
Prm5	-0.0000249	-0.000060	-0.000133	0.0001517	0.0003125

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1483	0.0372	1.0754	1.2212	953.73	<.0001
A	1	0.0502	0.0535	-0.0547	0.1552	0.88	0.3481
M_bin	1	-0.1289	0.0501	-0.2270	-0.0308	6.63	0.0100
int	1	0.0599	0.0748	-0.0867	0.2065	0.64	0.4233
C	1	-0.0358	0.0177	-0.0704	-0.0011	4.09	0.0431
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA166
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1207.2339	1.2133
Scaled Deviance	995	1207.2339	1.2133
Pearson Chi-Square	995	1111.1879	1.1168
Scaled Pearson X2	995	1111.1879	1.1168
Log Likelihood		200.3009	
Full Log Likelihood		-1953.5722	
AIC (smaller is better)		3917.1443	
AICC (smaller is better)		3917.2047	
BIC (smaller is better)		3941.6831	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001205	-0.000988	-0.000932	0.0009818	-0.000259
Prm2	-0.000988	0.002937	0.001001	-0.002937	-0.000013
Prm3	-0.000932	0.001001	0.002361	-0.002345	-0.000082
Prm4	0.0009818	-0.002937	-0.002345	0.005842	0.0000203
Prm5	-0.000259	-0.000013	-0.000082	0.0000203	0.0003238

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1938	0.0347	1.1257 1.2618	1182.39	<.0001	
A	1	-0.1023	0.0542	-0.2085 0.0040	3.56	0.0592	
M_bin	1	-0.1421	0.0486	-0.2373 -0.0468	8.55	0.0035	
int	1	0.1120	0.0764	-0.0378 0.2618	2.15	0.1429	
C	1	-0.0443	0.0180	-0.0796 -0.0091	6.07	0.0137	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA167
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1150.8043	1.1566
Scaled Deviance	995	1150.8043	1.1566
Pearson Chi-Square	995	1056.2600	1.0616
Scaled Pearson X2	995	1056.2600	1.0616
Log Likelihood		246.6968	
Full Log Likelihood		-1940.1096	
AIC (smaller is better)		3890.2193	
AICC (smaller is better)		3890.2797	
BIC (smaller is better)		3914.7581	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001170	-0.000953	-0.000858	0.0009281	-0.000242
Prm2	-0.000953	0.002863	0.0009911	-0.002866	-0.000030
Prm3	-0.000858	0.0009911	0.002294	-0.002250	-0.000149
Prm4	0.0009281	-0.002866	-0.002250	0.005819	0.0000608
Prm5	-0.000242	-0.000030	-0.000149	0.0000608	0.0003039

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2086	0.0342	1.1416	1.2756	1248.89	<.0001
A	1	-0.1066	0.0535	-0.2114	-0.0017	3.97	0.0464
M_bin	1	-0.1330	0.0479	-0.2268	-0.0391	7.71	0.0055
int	1	0.0977	0.0763	-0.0519	0.2472	1.64	0.2005
C	1	-0.0400	0.0174	-0.0742	-0.0059	5.27	0.0216
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA168
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1067.0356	1.0724
Scaled Deviance	995	1067.0356	1.0724
Pearson Chi-Square	995	979.8639	0.9848
Scaled Pearson X2	995	979.8639	0.9848
Log Likelihood		155.3188	
Full Log Likelihood		-1893.7360	
AIC (smaller is better)		3797.4719	
AICC (smaller is better)		3797.5323	
BIC (smaller is better)		3822.0107	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001444	-0.001193	-0.001077	0.001138	-0.000297
Prm2	-0.001193	0.002935	0.001198	-0.002936	-3.336E-6
Prm3	-0.001077	0.001198	0.002486	-0.002457	-0.000143
Prm4	0.001138	-0.002936	-0.002457	0.005735	0.0000704
Prm5	-0.000297	-3.336E-6	-0.000143	0.0000704	0.0003570

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.0645	0.0380	0.9901 1.1390	785.01	<.0001	
A	1	0.0794	0.0542	-0.0268 0.1856	2.15	0.1426	
M_bin	1	0.0346	0.0499	-0.0631 0.1323	0.48	0.4879	
int	1	-0.0863	0.0757	-0.2347 0.0622	1.30	0.2546	
C	1	-0.0425	0.0189	-0.0795 -0.0055	5.06	0.0245	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA169
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1194.5640	1.2006
Scaled Deviance	995	1194.5640	1.2006
Pearson Chi-Square	995	1089.3638	1.0948
Scaled Pearson X2	995	1089.3638	1.0948
Log Likelihood		163.4023	
Full Log Likelihood		-1941.7975	
AIC (smaller is better)		3893.5950	
AICC (smaller is better)		3893.6554	
BIC (smaller is better)		3918.1338	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001500	-0.001200	-0.001123	0.001172	-0.000312
Prm2	-0.001200	0.002828	0.001252	-0.002832	-0.000043
Prm3	-0.001123	0.001252	0.002630	-0.002609	-0.000134
Prm4	0.001172	-0.002832	-0.002609	0.005632	0.0000754
Prm5	-0.000312	-0.000043	-0.000134	0.0000754	0.0003703

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0344	0.0387	0.9585	1.1103	713.51	<.0001
A	1	0.1169	0.0532	0.0127	0.2211	4.83	0.0279
M_bin	1	-0.0372	0.0513	-0.1377	0.0633	0.53	0.4679
int	1	-0.0803	0.0750	-0.2273	0.0668	1.14	0.2848
C	1	0.0064	0.0192	-0.0313	0.0441	0.11	0.7391
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA170
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1227.1151	1.2333
Scaled Deviance	995	1227.1151	1.2333
Pearson Chi-Square	995	1113.0689	1.1187
Scaled Pearson X2	995	1113.0689	1.1187
Log Likelihood		159.2736	
Full Log Likelihood		-1953.2610	
AIC (smaller is better)		3916.5219	
AICC (smaller is better)		3916.5823	
BIC (smaller is better)		3941.0607	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001295	-0.001054	-0.000951	0.001025	-0.000281
Prm2	-0.001054	0.002830	0.001044	-0.002829	7.926E-6
Prm3	-0.000951	0.001044	0.002445	-0.002416	-0.000109
Prm4	0.001025	-0.002829	-0.002416	0.005813	0.0000252
Prm5	-0.000281	7.926E-6	-0.000109	0.0000252	0.0003190

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1201	0.0360	1.0495	1.1906	968.74	<.0001
A	1	0.0320	0.0532	-0.0723	0.1362	0.36	0.5477
M_bin	1	-0.0771	0.0494	-0.1740	0.0198	2.43	0.1190
int	1	-0.0205	0.0762	-0.1699	0.1290	0.07	0.7885
C	1	-0.0364	0.0179	-0.0714	-0.0013	4.14	0.0418
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA171
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1139.2273	1.1450
Scaled Deviance	995	1139.2273	1.1450
Pearson Chi-Square	995	1064.8073	1.0702
Scaled Pearson X2	995	1064.8073	1.0702
Log Likelihood		330.4265	
Full Log Likelihood		-1951.9825	
AIC (smaller is better)		3913.9650	
AICC (smaller is better)		3914.0254	
BIC (smaller is better)		3938.5038	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001225	-0.001007	-0.000916	0.0009686	-0.000257
Prm2	-0.001007	0.002577	0.001041	-0.002581	-0.000028
Prm3	-0.000916	0.001041	0.002406	-0.002376	-0.000148
Prm4	0.0009686	-0.002581	-0.002376	0.005460	0.0000789
Prm5	-0.000257	-0.000028	-0.000148	0.0000789	0.0003373

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1839	0.0350	1.1153	1.2525	1143.75	<.0001
A	1	0.0213	0.0508	-0.0782	0.1208	0.18	0.6743
M_bin	1	-0.0610	0.0490	-0.1571	0.0352	1.54	0.2140
int	1	-0.0994	0.0739	-0.2442	0.0454	1.81	0.1786
C	1	-0.0359	0.0184	-0.0719	0.0001	3.83	0.0504
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA172
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1178.7653	1.1847
Scaled Deviance	995	1178.7653	1.1847
Pearson Chi-Square	995	1052.0730	1.0574
Scaled Pearson X2	995	1052.0730	1.0574
Log Likelihood		273.1080	
Full Log Likelihood		-1953.9919	
AIC (smaller is better)		3917.9838	
AICC (smaller is better)		3918.0442	
BIC (smaller is better)		3942.5226	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001262	-0.001020	-0.000998	0.001047	-0.000246
Prm2	-0.001020	0.002780	0.001119	-0.002770	-0.000092
Prm3	-0.000998	0.001119	0.002388	-0.002363	-0.000123
Prm4	0.001047	-0.002770	-0.002363	0.005532	0.0000539
Prm5	-0.000246	-0.000092	-0.000123	0.0000539	0.0003434

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1203	0.0355	1.0507	1.1899	994.81	<.0001
A	1	0.0316	0.0527	-0.0717	0.1349	0.36	0.5489
M_bin	1	-0.0409	0.0489	-0.1366	0.0549	0.70	0.4029
int	1	0.0307	0.0744	-0.1151	0.1765	0.17	0.6797
C	1	-0.0297	0.0185	-0.0660	0.0066	2.56	0.1093
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA173
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1254.4971	1.2608
Scaled Deviance	995	1254.4971	1.2608
Pearson Chi-Square	995	1158.1247	1.1639
Scaled Pearson X2	995	1158.1247	1.1639
Log Likelihood		252.4827	
Full Log Likelihood		-1983.1572	
AIC (smaller is better)		3976.3144	
AICC (smaller is better)		3976.3748	
BIC (smaller is better)		4000.8532	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001458	-0.001265	-0.001150	0.001242	-0.000250
Prm2	-0.001265	0.002774	0.001280	-0.002775	-0.000012
Prm3	-0.001150	0.001280	0.002595	-0.002533	-0.000168
Prm4	0.001242	-0.002775	-0.002533	0.005451	0.0000430
Prm5	-0.000250	-0.000012	-0.000168	0.0000430	0.0003391

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0947	0.0382	1.0198	1.1695	821.76	<.0001
A	1	0.0716	0.0527	-0.0316	0.1749	1.85	0.1737
M_bin	1	0.0408	0.0509	-0.0591	0.1406	0.64	0.4236
int	1	-0.1374	0.0738	-0.2821	0.0073	3.46	0.0627
C	1	-0.0315	0.0184	-0.0675	0.0046	2.92	0.0876
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA174
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1156.9703	1.1628
Scaled Deviance	995	1156.9703	1.1628
Pearson Chi-Square	995	1066.8711	1.0722
Scaled Pearson X2	995	1066.8711	1.0722
Log Likelihood		203.5132	
Full Log Likelihood		-1935.0740	
AIC (smaller is better)		3880.1481	
AICC (smaller is better)		3880.2084	
BIC (smaller is better)		3904.6869	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001276	-0.001021	-0.000955	0.001020	-0.000272
Prm2	-0.001021	0.002734	0.001076	-0.002734	-0.000046
Prm3	-0.000955	0.001076	0.002428	-0.002397	-0.000129
Prm4	0.001020	-0.002734	-0.002397	0.005714	0.0000478
Prm5	-0.000272	-0.000046	-0.000129	0.0000478	0.0003401

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1274	0.0357	1.0574	1.1974	995.92	<.0001
A	1	0.0675	0.0523	-0.0350	0.1700	1.67	0.1969
M_bin	1	0.0336	0.0493	-0.0630	0.1301	0.46	0.4957
int	1	-0.2260	0.0756	-0.3741	-0.0778	8.94	0.0028
C	1	-0.0538	0.0184	-0.0899	-0.0176	8.49	0.0036
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA175
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1123.2970	1.1289
Scaled Deviance	995	1123.2970	1.1289
Pearson Chi-Square	995	1009.9234	1.0150
Scaled Pearson X2	995	1009.9234	1.0150
Log Likelihood		238.5070	
Full Log Likelihood		-1928.4002	
AIC (smaller is better)		3866.8003	
AICC (smaller is better)		3866.8607	
BIC (smaller is better)		3891.3391	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001368	-0.001121	-0.001037	0.001099	-0.000272
Prm2	-0.001121	0.002958	0.001155	-0.002960	-0.000028
Prm3	-0.001037	0.001155	0.002369	-0.002340	-0.000130
Prm4	0.001099	-0.002960	-0.002340	0.005640	0.0000554
Prm5	-0.000272	-0.000028	-0.000130	0.0000554	0.0003300

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1293	0.0370	1.0568	1.2018	932.31	<.0001
A	1	-0.0036	0.0544	-0.1102	0.1030	0.00	0.9467
M_bin	1	0.0163	0.0487	-0.0791	0.1117	0.11	0.7384
int	1	-0.0850	0.0751	-0.2322	0.0621	1.28	0.2574
C	1	-0.0351	0.0182	-0.0708	0.0005	3.74	0.0530
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA176
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1186.2656	1.1922
Scaled Deviance	995	1186.2656	1.1922
Pearson Chi-Square	995	1081.6506	1.0871
Scaled Pearson X2	995	1081.6506	1.0871
Log Likelihood		195.3254	
Full Log Likelihood		-1946.0484	
AIC (smaller is better)		3902.0967	
AICC (smaller is better)		3902.1571	
BIC (smaller is better)		3926.6355	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001375	-0.001108	-0.001066	0.001081	-0.000275
Prm2	-0.001108	0.002919	0.001188	-0.002926	-0.000071
Prm3	-0.001066	0.001188	0.002443	-0.002436	-0.000125
Prm4	0.001081	-0.002926	-0.002436	0.005683	0.0001059
Prm5	-0.000275	-0.000071	-0.000125	0.0001059	0.0003573

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1003	0.0371	1.0276 1.1730	880.57	<.0001	
A	1	0.0226	0.0540	-0.0833 0.1285	0.17	0.6757	
M_bin	1	-0.0095	0.0494	-0.1064 0.0874	0.04	0.8477	
int	1	-0.0032	0.0754	-0.1509 0.1446	0.00	0.9665	
C	1	-0.0385	0.0189	-0.0756 -0.0015	4.15	0.0416	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA177
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1117.9685	1.1236
Scaled Deviance	995	1117.9685	1.1236
Pearson Chi-Square	995	1011.1313	1.0162
Scaled Pearson X2	995	1011.1313	1.0162
Log Likelihood		128.2451	
Full Log Likelihood		-1908.2324	
AIC (smaller is better)		3826.4648	
AICC (smaller is better)		3826.5251	
BIC (smaller is better)		3851.0036	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001358	-0.001092	-0.001002	0.001093	-0.000299
Prm2	-0.001092	0.002896	0.001109	-0.002896	-0.000014
Prm3	-0.001002	0.001109	0.002454	-0.002417	-0.000120
Prm4	0.001093	-0.002896	-0.002417	0.005837	0.0000127
Prm5	-0.000299	-0.000014	-0.000120	0.0000127	0.0003509

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1059	0.0369	1.0337	1.1782	900.71	<.0001
A	1	-0.0090	0.0538	-0.1145	0.0965	0.03	0.8672
M_bin	1	-0.0619	0.0495	-0.1589	0.0352	1.56	0.2118
int	1	0.0047	0.0764	-0.1450	0.1545	0.00	0.9507
C	1	-0.0274	0.0187	-0.0642	0.0093	2.15	0.1429
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA178
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1132.9434	1.1386
Scaled Deviance	995	1132.9434	1.1386
Pearson Chi-Square	995	1021.0695	1.0262
Scaled Pearson X2	995	1021.0695	1.0262
Log Likelihood		132.8351	
Full Log Likelihood		-1911.0914	
AIC (smaller is better)		3832.1828	
AICC (smaller is better)		3832.2432	
BIC (smaller is better)		3856.7216	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001365	-0.001112	-0.001036	0.001090	-0.000266
Prm2	-0.001112	0.002821	0.001166	-0.002824	-0.000044
Prm3	-0.001036	0.001166	0.002532	-0.002505	-0.000137
Prm4	0.001090	-0.002824	-0.002505	0.005780	0.0000718
Prm5	-0.000266	-0.000044	-0.000137	0.0000718	0.0003263

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1351	0.0369	1.0627	1.2075	943.69	<.0001
A	1	-0.0238	0.0531	-0.1279	0.0803	0.20	0.6539
M_bin	1	-0.1316	0.0503	-0.2302	-0.0330	6.84	0.0089
int	1	-0.0050	0.0760	-0.1540	0.1440	0.00	0.9478
C	1	-0.0132	0.0181	-0.0486	0.0222	0.54	0.4645
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA179
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1088.0119	1.0935
Scaled Deviance	995	1088.0119	1.0935
Pearson Chi-Square	995	1017.0223	1.0221
Scaled Pearson X2	995	1017.0223	1.0221
Log Likelihood		138.0816	
Full Log Likelihood		-1899.6179	
AIC (smaller is better)		3809.2357	
AICC (smaller is better)		3809.2961	
BIC (smaller is better)		3833.7745	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001332	-0.001100	-0.001008	0.001078	-0.000267
Prm2	-0.001100	0.002898	0.001131	-0.002900	-0.000026
Prm3	-0.001008	0.001131	0.002456	-0.002419	-0.000140
Prm4	0.001078	-0.002900	-0.002419	0.005829	0.0000528
Prm5	-0.000267	-0.000026	-0.000140	0.0000528	0.0003361

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1304	0.0365	1.0589	1.2019	959.61	<.0001
A	1	0.0054	0.0538	-0.1001	0.1109	0.01	0.9200
M_bin	1	-0.1266	0.0496	-0.2237	-0.0295	6.53	0.0106
int	1	-0.0118	0.0763	-0.1615	0.1378	0.02	0.8770
C	1	-0.0198	0.0183	-0.0558	0.0161	1.17	0.2796
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA180
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1177.0772	1.1830
Scaled Deviance	995	1177.0772	1.1830
Pearson Chi-Square	995	1055.6906	1.0610
Scaled Pearson X2	995	1055.6906	1.0610
Log Likelihood		169.6174	
Full Log Likelihood		-1934.6804	
AIC (smaller is better)		3879.3609	
AICC (smaller is better)		3879.4212	
BIC (smaller is better)		3903.8997	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001354	-0.001111	-0.001074	0.001101	-0.000259
Prm2	-0.001111	0.002859	0.001179	-0.002862	-0.000063
Prm3	-0.001074	0.001179	0.002426	-0.002414	-0.000113
Prm4	0.001101	-0.002862	-0.002414	0.005735	0.0000773
Prm5	-0.000259	-0.000063	-0.000113	0.0000773	0.0003441

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1178	0.0368	1.0457 1.1899	922.91	<.0001	
A	1	-0.0214	0.0535	-0.1262 0.0834	0.16	0.6896	
M_bin	1	0.0242	0.0493	-0.0723 0.1207	0.24	0.6231	
int	1	-0.0587	0.0757	-0.2071 0.0897	0.60	0.4384	
C	1	-0.0524	0.0185	-0.0888 -0.0161	7.98	0.0047	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA181
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1080.0394	1.0855
Scaled Deviance	995	1080.0394	1.0855
Pearson Chi-Square	995	997.6783	1.0027
Scaled Pearson X2	995	997.6783	1.0027
Log Likelihood		313.2989	
Full Log Likelihood		-1926.0743	
AIC (smaller is better)		3862.1486	
AICC (smaller is better)		3862.2089	
BIC (smaller is better)		3886.6873	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001239	-0.001055	-0.000982	0.001039	-0.000216
Prm2	-0.001055	0.002678	0.001119	-0.002682	-0.000054
Prm3	-0.000982	0.001119	0.002461	-0.002418	-0.000161
Prm4	0.001039	-0.002682	-0.002418	0.005441	0.0000768
Prm5	-0.000216	-0.000054	-0.000161	0.0000768	0.0003158

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1397	0.0352	1.0707	1.2087	1048.39	<.0001
A	1	0.0927	0.0518	-0.0087	0.1941	3.21	0.0733
M_bin	1	-0.0704	0.0496	-0.1676	0.0268	2.01	0.1559
int	1	-0.1040	0.0738	-0.2486	0.0406	1.99	0.1585
C	1	-0.0194	0.0178	-0.0542	0.0154	1.19	0.2752
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA182
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1160.2628	1.1661
Scaled Deviance	995	1160.2628	1.1661
Pearson Chi-Square	995	1057.9339	1.0633
Scaled Pearson X2	995	1057.9339	1.0633
Log Likelihood		298.4804	
Full Log Likelihood		-1955.7122	
AIC (smaller is better)		3921.4243	
AICC (smaller is better)		3921.4847	
BIC (smaller is better)		3945.9631	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001442	-0.001216	-0.001163	0.001187	-0.000244
Prm2	-0.001216	0.002854	0.001263	-0.002859	-0.000040
Prm3	-0.001163	0.001263	0.002416	-0.002406	-0.000108
Prm4	0.001187	-0.002859	-0.002406	0.005452	0.0000780
Prm5	-0.000244	-0.000040	-0.000108	0.0000780	0.0003090

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1316	0.0380	1.0572 1.2060	888.27	<.0001	
A	1	0.0158	0.0534	-0.0889 0.1205	0.09	0.7676	
M_bin	1	0.0397	0.0492	-0.0566 0.1361	0.65	0.4189	
int	1	-0.0707	0.0738	-0.2154 0.0740	0.92	0.3385	
C	1	-0.0448	0.0176	-0.0793 -0.0104	6.50	0.0108	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA183
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1206.1626	1.2122
Scaled Deviance	995	1206.1626	1.2122
Pearson Chi-Square	995	1120.6736	1.1263
Scaled Pearson X2	995	1120.6736	1.1263
Log Likelihood		154.9019	
Full Log Likelihood		-1944.7152	
AIC (smaller is better)		3899.4303	
AICC (smaller is better)		3899.4907	
BIC (smaller is better)		3923.9691	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001263	-0.000989	-0.000954	0.0009851	-0.000288
Prm2	-0.000989	0.002760	0.001048	-0.002760	-0.000055
Prm3	-0.000954	0.001048	0.002430	-0.002419	-0.000099
Prm4	0.0009851	-0.002760	-0.002419	0.005849	0.0000602
Prm5	-0.000288	-0.000055	-0.000099	0.0000602	0.0003616

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1418	0.0355	1.0721	1.2114	1032.28	<.0001
A	1	-0.0280	0.0525	-0.1309	0.0750	0.28	0.5943
M_bin	1	-0.1557	0.0493	-0.2523	-0.0591	9.98	0.0016
int	1	0.0499	0.0765	-0.1000	0.1998	0.43	0.5142
C	1	-0.0158	0.0190	-0.0531	0.0214	0.69	0.4053
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA184
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1146.8127	1.1526
Scaled Deviance	995	1146.8127	1.1526
Pearson Chi-Square	995	1067.6509	1.0730
Scaled Pearson X2	995	1067.6509	1.0730
Log Likelihood		215.0535	
Full Log Likelihood		-1938.5261	
AIC (smaller is better)		3887.0523	
AICC (smaller is better)		3887.1126	
BIC (smaller is better)		3911.5911	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001330	-0.001075	-0.001034	0.001067	-0.000264
Prm2	-0.001075	0.002835	0.001116	-0.002836	-0.000037
Prm3	-0.001034	0.001116	0.002364	-0.002354	-0.000085
Prm4	0.001067	-0.002836	-0.002354	0.005657	0.0000467
Prm5	-0.000264	-0.000037	-0.000085	0.0000467	0.0003113

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0815	0.0365	1.0101	1.1530	879.60	<.0001
A	1	-0.0090	0.0532	-0.1133	0.0954	0.03	0.8661
M_bin	1	0.0320	0.0486	-0.0633	0.1273	0.43	0.5110
int	1	-0.0319	0.0752	-0.1793	0.1156	0.18	0.6719
C	1	-0.0132	0.0176	-0.0478	0.0214	0.56	0.4544
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA185
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1170.6991	1.1766
Scaled Deviance	995	1170.6991	1.1766
Pearson Chi-Square	995	1126.2972	1.1320
Scaled Pearson X2	995	1126.2972	1.1320
Log Likelihood		332.7485	
Full Log Likelihood		-1968.4427	
AIC (smaller is better)		3946.8854	
AICC (smaller is better)		3946.9458	
BIC (smaller is better)		3971.4242	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001321	-0.001064	-0.000992	0.001044	-0.000273
Prm2	-0.001064	0.002635	0.001111	-0.002638	-0.000039
Prm3	-0.000992	0.001111	0.002356	-0.002332	-0.000127
Prm4	0.001044	-0.002638	-0.002332	0.005421	0.0000639
Prm5	-0.000273	-0.000039	-0.000127	0.0000639	0.0003320

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1496	0.0363	1.0784	1.2208	1000.37	<.0001
A	1	0.0621	0.0513	-0.0385	0.1627	1.46	0.2263
M_bin	1	0.0266	0.0485	-0.0685	0.1218	0.30	0.5831
int	1	-0.1044	0.0736	-0.2487	0.0399	2.01	0.1563
C	1	-0.0561	0.0182	-0.0918	-0.0204	9.48	0.0021
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA186
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1109.0558	1.1146
Scaled Deviance	995	1109.0558	1.1146
Pearson Chi-Square	995	1034.9688	1.0402
Scaled Pearson X2	995	1034.9688	1.0402
Log Likelihood		179.8990	
Full Log Likelihood		-1916.1587	
AIC (smaller is better)		3842.3173	
AICC (smaller is better)		3842.3777	
BIC (smaller is better)		3866.8561	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001336	-0.001085	-0.001017	0.001103	-0.000265
Prm2	-0.001085	0.002815	0.001118	-0.002813	-0.000027
Prm3	-0.001017	0.001118	0.002358	-0.002323	-0.000107
Prm4	0.001103	-0.002813	-0.002323	0.005764	6.9665E-6
Prm5	-0.000265	-0.000027	-0.000107	6.9665E-6	0.0003096

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0648	0.0365	0.9932	1.1364	848.81	<.0001
A	1	0.0595	0.0531	-0.0445	0.1634	1.26	0.2624
M_bin	1	-0.0410	0.0486	-0.1362	0.0542	0.71	0.3986
int	1	-0.1142	0.0759	-0.2629	0.0346	2.26	0.1327
C	1	0.0153	0.0176	-0.0192	0.0498	0.76	0.3839
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA187
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1193.4156	1.1994
Scaled Deviance	995	1193.4156	1.1994
Pearson Chi-Square	995	1086.6782	1.0921
Scaled Pearson X2	995	1086.6782	1.0921
Log Likelihood		191.2925	
Full Log Likelihood		-1946.8600	
AIC (smaller is better)		3903.7199	
AICC (smaller is better)		3903.7803	
BIC (smaller is better)		3928.2587	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001361	-0.001106	-0.001006	0.001062	-0.0000289
Prm2	-0.001106	0.002778	0.001120	-0.002779	-0.0000012
Prm3	-0.001006	0.001120	0.002482	-0.002456	-0.0000130
Prm4	0.001062	-0.002779	-0.002456	0.005663	0.0000642
Prm5	-0.0000289	-0.0000012	-0.0000130	0.0000642	0.00003415

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0799	0.0369	1.0076	1.1522	856.66	<.0001
A	1	0.0859	0.0527	-0.0174	0.1892	2.65	0.1033
M_bin	1	-0.0423	0.0498	-0.1399	0.0554	0.72	0.3962
int	1	-0.0730	0.0753	-0.2205	0.0745	0.94	0.3320
C	1	-0.0141	0.0185	-0.0503	0.0221	0.58	0.4462
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA188
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1256.4697	1.2628
Scaled Deviance	995	1256.4697	1.2628
Pearson Chi-Square	995	1142.0292	1.1478
Scaled Pearson X2	995	1142.0292	1.1478
Log Likelihood		341.2343	
Full Log Likelihood		-1997.8976	
AIC (smaller is better)		4005.7951	
AICC (smaller is better)		4005.8555	
BIC (smaller is better)		4030.3339	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001219	-0.001020	-0.000942	0.0009970	-0.000248
Prm2	-0.001020	0.002727	0.001025	-0.002728	-4.986E-6
Prm3	-0.000942	0.001025	0.002244	-0.002221	-0.000104
Prm4	0.0009970	-0.002728	-0.002221	0.005507	0.0000337
Prm5	-0.000248	-4.986E-6	-0.000104	0.0000337	0.0003148

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1970	0.0349	1.1286	1.2655	1175.41	<.0001
A	1	-0.0284	0.0522	-0.1307	0.0740	0.30	0.5869
M_bin	1	-0.1022	0.0474	-0.1950	-0.0093	4.65	0.0310
int	1	0.0498	0.0742	-0.0957	0.1952	0.45	0.5025
C	1	-0.0365	0.0177	-0.0713	-0.0017	4.23	0.0397
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA189
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1193.3296	1.1993
Scaled Deviance	995	1193.3296	1.1993
Pearson Chi-Square	995	1103.2891	1.1088
Scaled Pearson X2	995	1103.2891	1.1088
Log Likelihood		184.2791	
Full Log Likelihood		-1946.5464	
AIC (smaller is better)		3903.0929	
AICC (smaller is better)		3903.1533	
BIC (smaller is better)		3927.6317	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001356	-0.001084	-0.001046	0.001052	-0.000271
Prm2	-0.001084	0.002907	0.001158	-0.002914	-0.000065
Prm3	-0.001046	0.001158	0.002451	-0.002448	-0.000111
Prm4	0.001052	-0.002914	-0.002448	0.005716	0.0001041
Prm5	-0.000271	-0.000065	-0.000111	0.0001041	0.0003329

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1185	0.0368	1.0463	1.1906	922.29	<.0001
A	1	0.0341	0.0539	-0.0716	0.1398	0.40	0.5272
M_bin	1	-0.0521	0.0495	-0.1492	0.0449	1.11	0.2923
int	1	-0.0215	0.0756	-0.1697	0.1267	0.08	0.7759
C	1	-0.0386	0.0182	-0.0744	-0.0029	4.48	0.0342
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA190
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1193.7851	1.1998
Scaled Deviance	995	1193.7851	1.1998
Pearson Chi-Square	995	1127.0805	1.1327
Scaled Pearson X2	995	1127.0805	1.1327
Log Likelihood		408.4820	
Full Log Likelihood		-1987.4182	
AIC (smaller is better)		3984.8363	
AICC (smaller is better)		3984.8967	
BIC (smaller is better)		4009.3751	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001250	-0.001069	-0.000997	0.001039	-0.000217
Prm2	-0.001069	0.002670	0.001119	-0.002676	-0.000043
Prm3	-0.000997	0.001119	0.002250	-0.002222	-0.000146
Prm4	0.001039	-0.002676	-0.002222	0.005394	0.0000857
Prm5	-0.000217	-0.000043	-0.000146	0.0000857	0.0003120

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2312	0.0354	1.1619 1.3005	1212.25	<.0001	
A	1	0.0232	0.0517	-0.0781 0.1245	0.20	0.6536	
M_bin	1	-0.0315	0.0474	-0.1244 0.0615	0.44	0.5071	
int	1	-0.1317	0.0734	-0.2757 0.0122	3.22	0.0729	
C	1	-0.0713	0.0177	-0.1059 -0.0367	16.29	<.0001	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA191
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1141.4855	1.1472
Scaled Deviance	995	1141.4855	1.1472
Pearson Chi-Square	995	1030.1082	1.0353
Scaled Pearson X2	995	1030.1082	1.0353
Log Likelihood		139.7821	
Full Log Likelihood		-1916.5552	
AIC (smaller is better)		3843.1103	
AICC (smaller is better)		3843.1707	
BIC (smaller is better)		3867.6491	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001368	-0.001128	-0.001009	0.001071	-0.000293
Prm2	-0.001128	0.002922	0.001122	-0.002921	5.2297E-6
Prm3	-0.001009	0.001122	0.002473	-0.002444	-0.000138
Prm4	0.001071	-0.002921	-0.002444	0.005804	0.0000628
Prm5	-0.000293	5.2297E-6	-0.000138	0.0000628	0.0003515

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0561	0.0370	0.9836	1.1286	815.31	<.0001
A	1	0.0692	0.0541	-0.0368	0.1751	1.64	0.2005
M_bin	1	-0.0067	0.0497	-0.1041	0.0908	0.02	0.8936
int	1	-0.0724	0.0762	-0.2217	0.0769	0.90	0.3419
C	1	-0.0169	0.0187	-0.0537	0.0198	0.81	0.3672
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA192
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1160.4637	1.1663
Scaled Deviance	995	1160.4637	1.1663
Pearson Chi-Square	995	1047.5677	1.0528
Scaled Pearson X2	995	1047.5677	1.0528
Log Likelihood		239.3620	
Full Log Likelihood		-1943.1235	
AIC (smaller is better)		3896.2470	
AICC (smaller is better)		3896.3074	
BIC (smaller is better)		3920.7858	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001399	-0.001116	-0.001020	0.001086	-0.000304
Prm2	-0.001116	0.002717	0.001121	-0.002718	-3.95E-6
Prm3	-0.001020	0.001121	0.002303	-0.002280	-0.000108
Prm4	0.001086	-0.002718	-0.002280	0.005668	0.0000369
Prm5	-0.000304	-3.95E-6	-0.000108	0.0000369	0.0003315

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.0622	0.0374	0.9889 1.1355	806.43	<.0001	
A	1	0.0715	0.0521	-0.0306 0.1737	1.88	0.1700	
M_bin	1	0.0345	0.0480	-0.0596 0.1285	0.52	0.4727	
int	1	-0.1536	0.0753	-0.3011 -0.0060	4.16	0.0414	
C	1	0.0025	0.0182	-0.0332 0.0382	0.02	0.8914	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA193
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1193.8680	1.1999
Scaled Deviance	995	1193.8680	1.1999
Pearson Chi-Square	995	1057.4614	1.0628
Scaled Pearson X2	995	1057.4614	1.0628
Log Likelihood		0.6091	
Full Log Likelihood		-1904.7640	
AIC (smaller is better)		3819.5279	
AICC (smaller is better)		3819.5883	
BIC (smaller is better)		3844.0667	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001509	-0.001219	-0.001085	0.001182	-0.000343
Prm2	-0.001219	0.002806	0.001162	-0.002801	0.0000463
Prm3	-0.001085	0.001162	0.002683	-0.002657	-0.000091
Prm4	0.001182	-0.002801	-0.002657	0.006028	-8.288E-6
Prm5	-0.000343	0.0000463	-0.000091	-8.288E-6	0.0003512

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0193	0.0388	0.9431	1.0954	688.62	<.0001
A	1	0.0531	0.0530	-0.0507	0.1569	1.00	0.3162
M_bin	1	-0.1124	0.0518	-0.2139	-0.0109	4.71	0.0300
int	1	0.0035	0.0776	-0.1487	0.1557	0.00	0.9642
C	1	0.0082	0.0187	-0.0285	0.0450	0.19	0.6598
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA194
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1157.9051	1.1637
Scaled Deviance	995	1157.9051	1.1637
Pearson Chi-Square	995	1046.8295	1.0521
Scaled Pearson X2	995	1046.8295	1.0521
Log Likelihood		186.8148	
Full Log Likelihood		-1934.1260	
AIC (smaller is better)		3878.2520	
AICC (smaller is better)		3878.3123	
BIC (smaller is better)		3902.7908	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001385	-0.001114	-0.001048	0.001131	-0.000287
Prm2	-0.001114	0.002758	0.001143	-0.002756	-0.000025
Prm3	-0.001048	0.001143	0.002449	-0.002420	-0.000100
Prm4	0.001131	-0.002756	-0.002420	0.005650	4.2448E-6
Prm5	-0.000287	-0.000025	-0.000100	4.2448E-6	0.0003287

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0978	0.0372	1.0249	1.1707	870.20	<.0001
A	1	0.0081	0.0525	-0.0948	0.1111	0.02	0.8767
M_bin	1	-0.0188	0.0495	-0.1158	0.0782	0.14	0.7039
int	1	-0.0342	0.0752	-0.1816	0.1131	0.21	0.6487
C	1	-0.0195	0.0181	-0.0550	0.0161	1.15	0.2830
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA195
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1116.6964	1.1223
Scaled Deviance	995	1116.6964	1.1223
Pearson Chi-Square	995	1015.7830	1.0209
Scaled Pearson X2	995	1015.7830	1.0209
Log Likelihood		156.7804	
Full Log Likelihood		-1911.7305	
AIC (smaller is better)		3833.4610	
AICC (smaller is better)		3833.5214	
BIC (smaller is better)		3857.9998	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001412	-0.001152	-0.001089	0.001112	-0.000266
Prm2	-0.001152	0.002776	0.001204	-0.002782	-0.000043
Prm3	-0.001089	0.001204	0.002437	-0.002427	-0.000117
Prm4	0.001112	-0.002782	-0.002427	0.005775	0.0000893
Prm5	-0.000266	-0.000043	-0.000117	0.0000893	0.0003153

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0965	0.0376	1.0229	1.1702	851.37	<.0001
A	1	0.0007	0.0527	-0.1026	0.1040	0.00	0.9895
M_bin	1	-0.1049	0.0494	-0.2017	-0.0082	4.52	0.0336
int	1	-0.0050	0.0760	-0.1539	0.1440	0.00	0.9479
C	1	0.0096	0.0178	-0.0252	0.0444	0.29	0.5897
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA196
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1100.5284	1.1061
Scaled Deviance	995	1100.5284	1.1061
Pearson Chi-Square	995	1029.2483	1.0344
Scaled Pearson X2	995	1029.2483	1.0344
Log Likelihood		247.3377	
Full Log Likelihood		-1924.2970	
AIC (smaller is better)		3858.5940	
AICC (smaller is better)		3858.6544	
BIC (smaller is better)		3883.1328	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001342	-0.001101	-0.000989	0.001038	-0.000277
Prm2	-0.001101	0.002815	0.001116	-0.002818	-0.000012
Prm3	-0.000989	0.001116	0.002421	-0.002395	-0.000146
Prm4	0.001038	-0.002818	-0.002395	0.005598	0.0000881
Prm5	-0.000277	-0.000012	-0.000146	0.0000881	0.0003330

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1828	0.0366	1.1110	1.2546	1042.55	<.0001
A	1	-0.0538	0.0531	-0.1578	0.0502	1.03	0.3104
M_bin	1	-0.1042	0.0492	-0.2006	-0.0078	4.48	0.0342
int	1	0.0274	0.0748	-0.1193	0.1740	0.13	0.7146
C	1	-0.0305	0.0182	-0.0662	0.0053	2.79	0.0950
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA197
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1143.2054	1.1490
Scaled Deviance	995	1143.2054	1.1490
Pearson Chi-Square	995	1061.0410	1.0664
Scaled Pearson X2	995	1061.0410	1.0664
Log Likelihood		174.7240	
Full Log Likelihood		-1928.4752	
AIC (smaller is better)		3866.9503	
AICC (smaller is better)		3867.0107	
BIC (smaller is better)		3891.4891	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001491	-0.001220	-0.001165	0.001229	-0.000308
Prm2	-0.001220	0.002974	0.001227	-0.002974	-6.773E-6
Prm3	-0.001165	0.001227	0.002449	-0.002434	-0.000071
Prm4	0.001229	-0.002974	-0.002434	0.005676	-3.984E-6
Prm5	-0.000308	-6.773E-6	-0.000071	-3.984E-6	0.0003579

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1226	0.0386	1.0470	1.1983	845.53	<.0001
A	1	-0.0126	0.0545	-0.1194	0.0943	0.05	0.8179
M_bin	1	-0.0961	0.0495	-0.1931	0.0009	3.77	0.0522
int	1	0.0331	0.0753	-0.1146	0.1807	0.19	0.6606
C	1	-0.0149	0.0189	-0.0520	0.0222	0.62	0.4315
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA198
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1139.8261	1.1456
Scaled Deviance	995	1139.8261	1.1456
Pearson Chi-Square	995	1046.0235	1.0513
Scaled Pearson X2	995	1046.0235	1.0513
Log Likelihood		286.0217	
Full Log Likelihood		-1945.4274	
AIC (smaller is better)		3900.8547	
AICC (smaller is better)		3900.9151	
BIC (smaller is better)		3925.3935	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001256	-0.001046	-0.000952	0.001031	-0.000257
Prm2	-0.001046	0.002751	0.001069	-0.002752	-0.000020
Prm3	-0.000952	0.001069	0.002335	-0.002292	-0.000143
Prm4	0.001031	-0.002752	-0.002292	0.005561	0.0000387
Prm5	-0.000257	-0.000020	-0.000143	0.0000387	0.0003391

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1561	0.0354	1.0866	1.2255	1064.47	<.0001
A	1	-0.0023	0.0524	-0.1051	0.1005	0.00	0.9643
M_bin	1	0.0129	0.0483	-0.0818	0.1077	0.07	0.7889
int	1	-0.0771	0.0746	-0.2233	0.0691	1.07	0.3012
C	1	-0.0513	0.0184	-0.0874	-0.0152	7.77	0.0053
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA199
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1207.7439	1.2138
Scaled Deviance	995	1207.7439	1.2138
Pearson Chi-Square	995	1069.7626	1.0751
Scaled Pearson X2	995	1069.7626	1.0751
Log Likelihood		222.4455	
Full Log Likelihood		-1952.9991	
AIC (smaller is better)		3915.9982	
AICC (smaller is better)		3916.0585	
BIC (smaller is better)		3940.5369	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001281	-0.001080	-0.000990	0.001067	-0.000246
Prm2	-0.001080	0.002585	0.001069	-0.002584	9.4228E-6
Prm3	-0.000990	0.001069	0.002460	-0.002431	-0.000096
Prm4	0.001067	-0.002584	-0.002431	0.005622	6.0748E-6
Prm5	-0.000246	9.4228E-6	-0.000096	6.0748E-6	0.0002901

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1426	0.0358	1.0724	1.2127	1019.22	<.0001
A	1	0.0308	0.0508	-0.0688	0.1305	0.37	0.5441
M_bin	1	-0.0775	0.0496	-0.1747	0.0197	2.44	0.1181
int	1	-0.0645	0.0750	-0.2114	0.0825	0.74	0.3899
C	1	-0.0320	0.0170	-0.0654	0.0014	3.53	0.0602
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1100
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1110.2575	1.1158
Scaled Deviance	995	1110.2575	1.1158
Pearson Chi-Square	995	1040.2561	1.0455
Scaled Pearson X2	995	1040.2561	1.0455
Log Likelihood		295.3364	
Full Log Likelihood		-1938.5740	
AIC (smaller is better)		3887.1480	
AICC (smaller is better)		3887.2084	
BIC (smaller is better)		3911.6868	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.001426	-0.001128	-0.001023	0.001060	-0.000302
Prm2	-0.001128	0.002807	0.001181	-0.002816	-0.000040
Prm3	-0.001023	0.001181	0.002444	-0.002425	-0.000160
Prm4	0.001060	-0.002816	-0.002425	0.005480	0.0001174
Prm5	-0.000302	-0.000040	-0.000160	0.0001174	0.0003456

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1141	0.0378	1.0401	1.1882	870.33	<.0001
A	1	0.0408	0.0530	-0.0630	0.1447	0.59	0.4410
M_bin	1	-0.0801	0.0494	-0.1770	0.0168	2.62	0.1054
int	1	0.0269	0.0740	-0.1182	0.1720	0.13	0.7164
C	1	0.0010	0.0186	-0.0354	0.0375	0.00	0.9562
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	100000
Number of Observations Used	100000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	1E5	116090.5606	1.1610
Scaled Deviance	1E5	116090.5606	1.1610
Pearson Chi-Square	1E5	106738.9588	1.0674
Scaled Pearson X2	1E5	106738.9588	1.0674
Log Likelihood		22262.1683	
Full Log Likelihood		-194208.5006	
AIC (smaller is better)		388427.0011	
AICC (smaller is better)		388427.0017	
BIC (smaller is better)		388474.5658	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0000135	-0.000011	-0.000010	0.0000108	-2.774E-6
Prm2	-0.000011	0.0000279	0.0000112	-0.000028	-1.832E-7
Prm3	-0.000010	0.0000112	0.0000241	-0.000024	-1.221E-6
Prm4	0.0000108	-0.000028	-0.000024	0.0000562	5.0654E-7
Prm5	-2.774E-6	-1.832E-7	-1.221E-6	5.0654E-7	3.3241E-6

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1289	0.0037	1.1217	1.1361	94419.1	<.0001
A	1	0.0130	0.0053	0.0026	0.0233	6.06	0.0138
M_bin	1	-0.0538	0.0049	-0.0634	-0.0441	119.96	<.0001
int	1	-0.0324	0.0075	-0.0471	-0.0177	18.64	<.0001
C	1	-0.0249	0.0018	-0.0285	-0.0213	186.51	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50877
2	0	49123

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138600.67	136215.31
SC	138610.18	136243.85
-2 Log L	138598.67	136209.31

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2389.3551	2	<.0001	
Score	2363.2215	2	<.0001	
Wald	2311.9089	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3507	0.0107	1065.3631	<.0001
A	1	0.1988	0.0130	235.2566	<.0001
C	1	0.2921	0.00637	2102.6788	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.220	1.189	1.251
C	1.339	1.323	1.356

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.2	Somers' D	0.183
Percent Discordant	40.8	Gamma	0.183
Percent Tied	0.0	Tau-a	0.092
Pairs	2499230871	c	0.592

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.01498	0.057436	0.90280	1.12769
2	marginal pnde	0.99882	0.037390	0.93374	1.08248
3	marginal pnie	0.99738	0.003374	0.99160	1.00358
4	marginal tnde	0.99701	0.036818	0.93386	1.07693
5	marginal tnie	0.99560	0.004258	0.98422	1.00137
6	marginal total effect	0.99441	0.036951	0.93065	1.07437
7	conditional cde	1.01498	0.057436	0.90280	1.12769
8	conditional pnde	0.99890	0.037417	0.93373	1.08266
9	conditional pnie	0.99738	0.003374	0.99160	1.00358
10	conditional tnde	0.99709	0.036823	0.93385	1.07712
11	conditional tnie	0.99560	0.004257	0.98422	1.00137
12	conditional total effect	0.99448	0.036964	0.93062	1.07456

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA11
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1085.7988	1.0913
Scaled Deviance	995	1085.7988	1.0913
Pearson Chi-Square	995	1009.8334	1.0149
Scaled Pearson X2	995	1009.8334	1.0149
Log Likelihood		222.6016	
Full Log Likelihood		-1957.8577	
AIC (smaller is better)		3927.7154	
AICC (smaller is better)		3927.8000	
BIC (smaller is better)		3957.1619	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001505	-0.001253	-0.001148	0.001237	-0.000298	-3.755E-7
Prm2	-0.001253	0.003476	0.001263	-0.003477	-7.973E-6	-5.409E-7
Prm3	-0.001148	0.001263	0.002708	-0.002668	-0.000136	-3.36E-7
Prm4	0.001237	-0.003477	-0.002668	0.006482	0.0000281	1.3596E-6
Prm5	-0.000298	-7.973E-6	-0.000136	0.0000281	0.0003635	4.4727E-7
Dispersion	-3.755E-7	-5.409E-7	-3.36E-7	1.3596E-6	4.4727E-7	0.0002940

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1693	0.0388	1.0933	1.2453	908.71	<.0001
A	1	-0.1770	0.0590	-0.2926	-0.0614	9.01	0.0027
M_bin	1	-0.1382	0.0520	-0.2402	-0.0362	7.05	0.0079
int	1	0.1655	0.0805	0.0077	0.3233	4.22	0.0398
C	1	0.0101	0.0191	-0.0272	0.0475	0.28	0.5951
Dispersion	1	0.0447	0.0171	0.0211	0.0948		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA12
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1052.3110	1.0576
Scaled Deviance	995	1052.3110	1.0576
Pearson Chi-Square	995	997.3405	1.0024
Scaled Pearson X2	995	997.3405	1.0024
Log Likelihood		180.3793	
Full Log Likelihood		-1900.6861	
AIC (smaller is better)		3813.3723	
AICC (smaller is better)		3813.4569	
BIC (smaller is better)		3842.8188	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001252	-0.001025	-0.000907	0.0009668	-0.000270	-2.378E-6
Prm2	-0.001025	0.002853	0.001030	-0.002853	-4.052E-6	5.2275E-7
Prm3	-0.000907	0.001030	0.002386	-0.002353	-0.000146	-3.106E-7
Prm4	0.0009668	-0.002853	-0.002353	0.006033	0.0000738	-7.082E-8
Prm5	-0.000270	-4.052E-6	-0.000146	0.0000738	0.0003251	2.3111E-6
Dispersion	-2.378E-6	5.2275E-7	-3.106E-7	-7.082E-8	2.3111E-6	0.0002283

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1855	0.0354	1.1161	1.2549	1122.36	<.0001
A	1	-0.1510	0.0534	-0.2556	-0.0463	7.99	0.0047
M_bin	1	-0.1415	0.0488	-0.2372	-0.0458	8.39	0.0038
int	1	0.0535	0.0777	-0.0988	0.2057	0.47	0.4911
C	1	-0.0100	0.0180	-0.0453	0.0253	0.31	0.5792
Dispersion	1	0.0065	0.0151	0.0001	0.6359		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA13
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1107.3671	1.1129
Scaled Deviance	995	1107.3671	1.1129
Pearson Chi-Square	995	996.9561	1.0020
Scaled Pearson X2	995	996.9561	1.0020
Log Likelihood		175.5546	
Full Log Likelihood		-1942.6337	
AIC (smaller is better)		3897.2673	
AICC (smaller is better)		3897.3519	
BIC (smaller is better)		3926.7138	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001510	-0.001202	-0.001136	0.001151	-0.000301	-4.252E-7
Prm2	-0.001202	0.003080	0.001297	-0.003093	-0.000076	3.3112E-6
Prm3	-0.001136	0.001297	0.002769	-0.002761	-0.000157	2.3465E-6
Prm4	0.001151	-0.003093	-0.002761	0.006229	0.0001390	-4.912E-6
Prm5	-0.000301	-0.000076	-0.000157	0.0001390	0.0003686	-1.009E-6
Dispersion	-4.252E-7	3.3112E-6	2.3465E-6	-4.912E-6	-1.009E-6	0.0002968

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0939	0.0389	1.0177	1.1700	792.52	<.0001
A	1	0.0999	0.0555	-0.0089	0.2087	3.24	0.0719
M_bin	1	-0.0847	0.0526	-0.1879	0.0184	2.59	0.1075
int	1	-0.0536	0.0789	-0.2083	0.1011	0.46	0.4968
C	1	-0.0233	0.0192	-0.0609	0.0143	1.47	0.2249
Dispersion	1	0.0315	0.0172	0.0108	0.0920		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA14
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1119.4195	1.1250
Scaled Deviance	995	1119.4195	1.1250
Pearson Chi-Square	995	1003.0930	1.0081
Scaled Pearson X2	995	1003.0930	1.0081
Log Likelihood		208.2030	
Full Log Likelihood		-1980.5201	
AIC (smaller is better)		3973.0402	
AICC (smaller is better)		3973.1248	
BIC (smaller is better)		4002.4867	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001554	-0.001259	-0.001182	0.001233	-0.000330	5.1182E-7
Prm2	-0.001259	0.003557	0.001286	-0.003559	-0.000024	2.8662E-6
Prm3	-0.001182	0.001286	0.002903	-0.002885	-0.000116	-1.229E-6
Prm4	0.001233	-0.003559	-0.002885	0.006802	0.0000551	-2.378E-6
Prm5	-0.000330	-0.000024	-0.000116	0.0000551	0.0003965	-5.322E-7
Dispersion	5.1182E-7	2.8662E-6	-1.229E-6	-2.378E-6	-5.322E-7	0.0003479

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1476	0.0394	1.0703	1.2248	847.39	<.0001
A	1	-0.0625	0.0596	-0.1794	0.0544	1.10	0.2944
M_bin	1	-0.0669	0.0539	-0.1725	0.0387	1.54	0.2145
int	1	0.0616	0.0825	-0.1000	0.2232	0.56	0.4551
C	1	-0.0348	0.0199	-0.0739	0.0042	3.06	0.0802
Dispersion	1	0.0632	0.0187	0.0354	0.1127		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA15
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1105.8719	1.1114
Scaled Deviance	995	1105.8719	1.1114
Pearson Chi-Square	995	999.4203	1.0044
Scaled Pearson X2	995	999.4203	1.0044
Log Likelihood		212.7139	
Full Log Likelihood		-1935.0984	
AIC (smaller is better)		3882.1969	
AICC (smaller is better)		3882.2815	
BIC (smaller is better)		3911.6434	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001444	-0.001163	-0.001095	0.001164	-0.000319	5.5463E-7
Prm2	-0.001163	0.003100	0.001173	-0.003100	-9.658E-6	1.68E-6
Prm3	-0.001095	0.001173	0.002519	-0.002500	-0.000089	1.4753E-6
Prm4	0.001164	-0.003100	-0.002500	0.005974	8.15E-6	-2.353E-6
Prm5	-0.000319	-9.658E-6	-0.000089	8.15E-6	0.0003723	-1.46E-6
Dispersion	5.5463E-7	1.68E-6	1.4753E-6	-2.353E-6	-1.46E-6	0.0002588

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1035	0.0380	1.0290	1.1780	843.34	<.0001
A	1	0.0809	0.0557	-0.0282	0.1901	2.11	0.1460
M_bin	1	-0.0016	0.0502	-0.0999	0.0968	0.00	0.9751
int	1	-0.1819	0.0773	-0.3334	-0.0304	5.54	0.0186
C	1	-0.0222	0.0193	-0.0600	0.0156	1.32	0.2502
Dispersion	1	0.0178	0.0161	0.0030	0.1047		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA16
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1096.4080	1.1019
Scaled Deviance	995	1096.4080	1.1019
Pearson Chi-Square	995	1002.5525	1.0076
Scaled Pearson X2	995	1002.5525	1.0076
Log Likelihood		206.6994	
Full Log Likelihood		-1918.9291	
AIC (smaller is better)		3849.8583	
AICC (smaller is better)		3849.9429	
BIC (smaller is better)		3879.3048	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001231	-0.0001019	-0.000933	0.0009997	-0.000257	-1.879E-6
Prm2	-0.0001019	0.002743	0.001028	-0.002744	-7.998E-6	3.2781E-6
Prm3	-0.000933	0.001028	0.002523	-0.002492	-0.000116	2.5823E-6
Prm4	0.0009997	-0.002744	-0.002492	0.005823	0.0000322	-4.686E-6
Prm5	-0.000257	-7.998E-6	-0.000116	0.0000322	0.0003219	3.308E-7
Dispersion	-1.879E-6	3.2781E-6	2.5823E-6	-4.686E-6	3.308E-7	0.0002323

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1439	0.0351	1.0751	1.2126	1063.04	<.0001
A	1	-0.0402	0.0524	-0.1428	0.0625	0.59	0.4430
M_bin	1	-0.0941	0.0502	-0.1926	0.0043	3.51	0.0609
int	1	0.0788	0.0763	-0.0707	0.2284	1.07	0.3016
C	1	-0.0318	0.0179	-0.0670	0.0034	3.14	0.0764
Dispersion	1	0.0063	0.0152	0.0001	0.7308		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA17
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1092.9025	1.0984
Scaled Deviance	995	1092.9025	1.0984
Pearson Chi-Square	995	1002.4717	1.0075
Scaled Pearson X2	995	1002.4717	1.0075
Log Likelihood		283.7083	
Full Log Likelihood		-1961.8969	
AIC (smaller is better)		3935.7938	
AICC (smaller is better)		3935.8784	
BIC (smaller is better)		3965.2403	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001359	-0.001077	-0.000984	0.001036	-0.000316	-3.893E-7
Prm2	-0.001077	0.002918	0.001126	-0.002924	-0.000041	-2.333E-7
Prm3	-0.000984	0.001126	0.002618	-0.002592	-0.000159	-1.124E-7
Prm4	0.001036	-0.002924	-0.002592	0.006097	0.0000929	-1.067E-8
Prm5	-0.000316	-0.000041	-0.000159	0.0000929	0.0004003	5.5804E-7
Dispersion	-3.893E-7	-2.333E-7	-1.124E-7	-1.067E-8	5.5804E-7	0.0002702

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1111	0.0369	1.0389	1.1834	908.66	<.0001
A	1	0.0247	0.0540	-0.0812	0.1306	0.21	0.6473
M_bin	1	-0.0490	0.0512	-0.1493	0.0512	0.92	0.3378
int	1	-0.0008	0.0781	-0.1539	0.1522	0.00	0.9915
C	1	-0.0042	0.0200	-0.0435	0.0350	0.04	0.8322
Dispersion	1	0.0314	0.0164	0.0112	0.0876		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA18
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1120.4078	1.1260
Scaled Deviance	995	1120.4078	1.1260
Pearson Chi-Square	995	1001.5936	1.0066
Scaled Pearson X2	995	1001.5936	1.0066
Log Likelihood		170.2874	
Full Log Likelihood		-1942.8606	
AIC (smaller is better)		3897.7213	
AICC (smaller is better)		3897.8059	
BIC (smaller is better)		3927.1678	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001476	-0.001223	-0.001094	0.001219	-0.000332	1.3789E-6
Prm2	-0.001223	0.003129	0.001195	-0.003129	0.0000237	-6.149E-7
Prm3	-0.001094	0.001195	0.002655	-0.002605	-0.000133	1.0534E-6
Prm4	0.001219	-0.003129	-0.002605	0.006251	-0.000020	-9.021E-7
Prm5	-0.000332	0.0000237	-0.000133	-0.000020	0.0004036	-1.466E-6
Dispersion	1.3789E-6	-6.149E-7	1.0534E-6	-9.021E-7	-1.466E-6	0.0002935

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1452	0.0384	1.0699	1.2205	888.52	<.0001
A	1	-0.0282	0.0559	-0.1378	0.0814	0.25	0.6141
M_bin	1	-0.0952	0.0515	-0.1962	0.0058	3.41	0.0647
int	1	-0.0253	0.0791	-0.1802	0.1297	0.10	0.7494
C	1	-0.0238	0.0201	-0.0632	0.0155	1.41	0.2355
Dispersion	1	0.0304	0.0171	0.0101	0.0917		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA19
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1091.9985	1.0975
Scaled Deviance	995	1091.9985	1.0975
Pearson Chi-Square	995	1005.2603	1.0103
Scaled Pearson X2	995	1005.2603	1.0103
Log Likelihood		239.5999	
Full Log Likelihood		-1955.5680	
AIC (smaller is better)		3923.1360	
AICC (smaller is better)		3923.2206	
BIC (smaller is better)		3952.5825	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001650	-0.001393	-0.001266	0.001343	-0.000308	1.4643E-6
Prm2	-0.001393	0.003018	0.001411	-0.003020	-0.000014	1.7568E-6
Prm3	-0.001266	0.001411	0.002812	-0.002768	-0.000174	1.4475E-6
Prm4	0.001343	-0.003020	-0.002768	0.006091	0.0000770	-2.916E-6
Prm5	-0.000308	-0.000014	-0.000174	0.0000770	0.0003851	-2.318E-6
Dispersion	1.4643E-6	1.7568E-6	1.4475E-6	-2.916E-6	-2.318E-6	0.0002769

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0760	0.0406	0.9964	1.1556	701.55	<.0001
A	1	0.0968	0.0549	-0.0108	0.2045	3.11	0.0780
M_bin	1	0.0133	0.0530	-0.0906	0.1173	0.06	0.8014
int	1	-0.0992	0.0780	-0.2522	0.0537	1.62	0.2036
C	1	-0.0244	0.0196	-0.0629	0.0140	1.55	0.2129
Dispersion	1	0.0357	0.0166	0.0143	0.0890		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA110
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1097.9468	1.1035
Scaled Deviance	995	1097.9468	1.1035
Pearson Chi-Square	995	992.4775	0.9975
Scaled Pearson X2	995	992.4775	0.9975
Log Likelihood		215.2602	
Full Log Likelihood		-1914.8033	
AIC (smaller is better)		3841.6066	
AICC (smaller is better)		3841.6911	
BIC (smaller is better)		3871.0531	

WARNING: The relative Hessian convergence criterion of 0.0764011057 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001316	-0.001086	-0.000985	0.001038	-0.000268	0
Prm2	-0.001086	0.002786	0.001093	-0.002787	-5.596E-6	0
Prm3	-0.000985	0.001093	0.002445	-0.002420	-0.000125	0
Prm4	0.001038	-0.002787	-0.002420	0.005644	0.0000617	0
Prm5	-0.000268	-5.596E-6	-0.000125	0.0000617	0.0003174	0
Dispersion	0	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1381	0.0363	1.0670	1.2092	984.03	<.0001
A	1	-0.0133	0.0528	-0.1168	0.0901	0.06	0.8005
M_bin	1	-0.0149	0.0494	-0.1118	0.0820	0.09	0.7636
int	1	-0.0392	0.0751	-0.1865	0.1080	0.27	0.6014
C	1	-0.0429	0.0178	-0.0778	-0.0080	5.80	0.0160
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA111
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1087.6714	1.0931
Scaled Deviance	995	1087.6714	1.0931
Pearson Chi-Square	995	979.7478	0.9847
Scaled Pearson X2	995	979.7478	0.9847
Log Likelihood		360.8055	
Full Log Likelihood		-1936.4625	
AIC (smaller is better)		3884.9251	
AICC (smaller is better)		3885.0097	
BIC (smaller is better)		3914.3716	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001424	-0.001149	-0.001074	0.001135	-0.000295	3.9191E-9
Prm2	-0.001149	0.002788	0.001165	-0.002789	-0.000014	-2.31E-10
Prm3	-0.001074	0.001165	0.002314	-0.002294	-0.000098	-6.76E-10
Prm4	0.001135	-0.002789	-0.002294	0.005363	0.0000299	-2.859E-9
Prm5	-0.000295	-0.000014	-0.000098	0.0000299	0.0003317	-2.66E-9
Dispersion	3.9191E-9	-2.31E-10	-6.76E-10	-2.859E-9	-2.66E-9	5.3306E-7

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1931	0.0377	1.1191	1.2670	999.35	<.0001
A	1	-0.0625	0.0528	-0.1660	0.0410	1.40	0.2367
M_bin	1	-0.0477	0.0481	-0.1420	0.0466	0.98	0.3212
int	1	0.0271	0.0732	-0.1164	0.1706	0.14	0.7112
C	1	-0.0286	0.0182	-0.0643	0.0071	2.47	0.1161
Dispersion	1	0.0000	0.0007	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA112
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1096.0135	1.1015
Scaled Deviance	995	1096.0135	1.1015
Pearson Chi-Square	995	1000.1261	1.0052
Scaled Pearson X2	995	1000.1261	1.0052
Log Likelihood		211.5593	
Full Log Likelihood		-1948.2211	
AIC (smaller is better)		3908.4422	
AICC (smaller is better)		3908.5268	
BIC (smaller is better)		3937.8888	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001369	-0.001124	-0.001028	0.001099	-0.000270	6.8801E-7
Prm2	-0.001124	0.002997	0.001198	-0.003002	-0.000058	-1.037E-6
Prm3	-0.001028	0.001198	0.002615	-0.002566	-0.000187	3.1229E-7
Prm4	0.001099	-0.003002	-0.002566	0.006260	0.0000919	9.149E-7
Prm5	-0.000270	-0.000058	-0.000187	0.0000919	0.0003607	-6.044E-7
Dispersion	6.8801E-7	-1.037E-6	3.1229E-7	9.149E-7	-6.044E-7	0.0002839

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0725	0.0370	1.0000	1.1450	840.04	<.0001
A	1	0.0453	0.0547	-0.0620	0.1526	0.68	0.4081
M_bin	1	-0.0592	0.0511	-0.1594	0.0411	1.34	0.2474
int	1	-0.0469	0.0791	-0.2020	0.1081	0.35	0.5531
C	1	0.0181	0.0190	-0.0192	0.0553	0.90	0.3418
Dispersion	1	0.0313	0.0169	0.0109	0.0899		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA113
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1071.5553	1.0769
Scaled Deviance	995	1071.5553	1.0769
Pearson Chi-Square	995	998.6970	1.0037
Scaled Pearson X2	995	998.6970	1.0037
Log Likelihood		283.3906	
Full Log Likelihood		-1942.8803	
AIC (smaller is better)		3897.7605	
AICC (smaller is better)		3897.8451	
BIC (smaller is better)		3927.2071	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001359	-0.001103	-0.001045	0.001079	-0.000261	3.8793E-7
Prm2	-0.001103	0.002788	0.001194	-0.002795	-0.000075	1.5924E-6
Prm3	-0.001045	0.001194	0.002557	-0.002537	-0.000152	1.3602E-6
Prm4	0.001079	-0.002795	-0.002537	0.005887	0.0001076	-2.7E-6
Prm5	-0.000261	-0.000075	-0.000152	0.0001076	0.0003433	-1.138E-6
Dispersion	3.8793E-7	1.5924E-6	1.3602E-6	-2.7E-6	-1.138E-6	0.0002393

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1505	0.0369	1.0782	1.2228	973.83	<.0001
A	1	-0.0083	0.0528	-0.1118	0.0952	0.02	0.8750
M_bin	1	-0.0021	0.0506	-0.1012	0.0970	0.00	0.9669
int	1	-0.1134	0.0767	-0.2638	0.0369	2.19	0.1393
C	1	-0.0285	0.0185	-0.0648	0.0078	2.37	0.1238
Dispersion	1	0.0212	0.0155	0.0051	0.0886		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA114
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1088.3867	1.0939
Scaled Deviance	995	1088.3867	1.0939
Pearson Chi-Square	995	1003.4034	1.0084
Scaled Pearson X2	995	1003.4034	1.0084
Log Likelihood		266.5529	
Full Log Likelihood		-1965.2160	
AIC (smaller is better)		3942.4319	
AICC (smaller is better)		3942.5165	
BIC (smaller is better)		3971.8784	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001528	-0.001210	-0.001060	0.001135	-0.000364	2.3938E-7
Prm2	-0.001210	0.003136	0.001193	-0.003133	0.0000132	-2.943E-7
Prm3	-0.001060	0.001193	0.002636	-0.002605	-0.000152	-1.018E-7
Prm4	0.001135	-0.003133	-0.002605	0.006244	0.0000696	2.7981E-7
Prm5	-0.000364	0.0000132	-0.000152	0.0000696	0.0004006	-1.242E-7
Dispersion	2.3938E-7	-2.943E-7	-1.018E-7	2.7981E-7	-1.242E-7	0.0002856

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1013	0.0391	1.0247	1.1779	793.79	<.0001
A	1	0.0242	0.0560	-0.0855	0.1340	0.19	0.6652
M_bin	1	-0.0340	0.0513	-0.1346	0.0666	0.44	0.5078
int	1	-0.0527	0.0790	-0.2076	0.1021	0.45	0.5044
C	1	0.0054	0.0200	-0.0339	0.0446	0.07	0.7891
Dispersion	1	0.0393	0.0169	0.0170	0.0913		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA115
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1100.6037	1.1061
Scaled Deviance	995	1100.6037	1.1061
Pearson Chi-Square	995	1000.4667	1.0055
Scaled Pearson X2	995	1000.4667	1.0055
Log Likelihood		245.2307	
Full Log Likelihood		-1932.2274	
AIC (smaller is better)		3876.4548	
AICC (smaller is better)		3876.5394	
BIC (smaller is better)		3905.9013	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001362	-0.001099	-0.001002	0.001031	-0.000272	7.738E-7
Prm2	-0.001099	0.002803	0.001171	-0.002817	-0.000054	-5.686E-7
Prm3	-0.001002	0.001171	0.002554	-0.002535	-0.000175	7.7866E-7
Prm4	0.001031	-0.002817	-0.002535	0.005785	0.0001385	-1.191E-6
Prm5	-0.000272	-0.000054	-0.000175	0.0001385	0.0003363	-6.086E-7
Dispersion	7.738E-7	-5.686E-7	7.7866E-7	-1.191E-6	-6.086E-7	0.0002380

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1611	0.0369	1.0887	1.2334	989.48	<.0001
A	1	-0.0204	0.0529	-0.1242	0.0834	0.15	0.6999
M_bin	1	-0.0486	0.0505	-0.1477	0.0504	0.93	0.3359
int	1	0.0062	0.0761	-0.1429	0.1553	0.01	0.9350
C	1	-0.0455	0.0183	-0.0814	-0.0095	6.15	0.0131
Dispersion	1	0.0108	0.0154	0.0007	0.1783		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA116
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1105.0232	1.1106
Scaled Deviance	995	1105.0232	1.1106
Pearson Chi-Square	995	1000.1611	1.0052
Scaled Pearson X2	995	1000.1611	1.0052
Log Likelihood		168.5546	
Full Log Likelihood		-1910.8912	
AIC (smaller is better)		3833.7823	
AICC (smaller is better)		3833.8669	
BIC (smaller is better)		3863.2289	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001405	-0.001123	-0.001012	0.001107	-0.000324	1.9778E-7
Prm2	-0.001123	0.002751	0.001119	-0.002751	3.2338E-6	4.2392E-7
Prm3	-0.001012	0.001119	0.002510	-0.002474	-0.000124	7.357E-7
Prm4	0.001107	-0.002751	-0.002474	0.005725	0.0000157	-1.084E-6
Prm5	-0.000324	3.2338E-6	-0.000124	0.0000157	0.0003681	-4.792E-7
Dispersion	1.9778E-7	4.2392E-7	7.357E-7	-1.084E-6	-4.792E-7	0.0002365

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0906	0.0375	1.0171	1.1641	846.47	<.0001
A	1	0.0041	0.0525	-0.0987	0.1069	0.01	0.9375
M_bin	1	-0.0185	0.0501	-0.1167	0.0797	0.14	0.7113
int	1	-0.0763	0.0757	-0.2246	0.0720	1.02	0.3132
C	1	-0.0084	0.0192	-0.0460	0.0292	0.19	0.6605
Dispersion	1	0.0021	0.0154	0.0000	4574.057		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA117
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1111.3967	1.1170
Scaled Deviance	995	1111.3967	1.1170
Pearson Chi-Square	995	996.9032	1.0019
Scaled Pearson X2	995	996.9032	1.0019
Log Likelihood		185.2552	
Full Log Likelihood		-1918.1360	
AIC (smaller is better)		3848.2720	
AICC (smaller is better)		3848.3565	
BIC (smaller is better)		3877.7185	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001440	-0.001200	-0.001094	0.001167	-0.000267	3.4241E-7
Prm2	-0.001200	0.002859	0.001244	-0.002864	-0.000034	2.1165E-6
Prm3	-0.001094	0.001244	0.002659	-0.002613	-0.000167	1.2274E-6
Prm4	0.001167	-0.002864	-0.002613	0.005723	0.0000750	-2.027E-6
Prm5	-0.000267	-0.000034	-0.000167	0.0000750	0.0003362	-1.354E-6
Dispersion	3.4241E-7	2.1165E-6	1.2274E-6	-2.027E-6	-1.354E-6	0.0002425

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1004	0.0379	1.0260	1.1748	841.02	<.0001
A	1	0.0948	0.0535	-0.0100	0.1996	3.14	0.0763
M_bin	1	-0.0586	0.0516	-0.1597	0.0424	1.29	0.2556
int	1	-0.1061	0.0757	-0.2544	0.0422	1.97	0.1607
C	1	-0.0243	0.0183	-0.0603	0.0116	1.76	0.1844
Dispersion	1	0.0066	0.0156	0.0001	0.6587		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA118
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1114.0540	1.1197
Scaled Deviance	995	1114.0540	1.1197
Pearson Chi-Square	995	984.7203	0.9897
Scaled Pearson X2	995	984.7203	0.9897
Log Likelihood		224.7757	
Full Log Likelihood		-1920.7895	
AIC (smaller is better)		3853.5789	
AICC (smaller is better)		3853.6635	
BIC (smaller is better)		3883.0254	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001332	-0.001069	-0.000981	0.001019	-0.000273	2.296E-11
Prm2	-0.001069	0.002870	0.001110	-0.002876	-0.000032	3.414E-11
Prm3	-0.000981	0.001110	0.002420	-0.002402	-0.000134	9.099E-11
Prm4	0.001019	-0.002876	-0.002402	0.005657	0.0000903	-9.58E-11
Prm5	-0.000273	-0.000032	-0.000134	0.0000903	0.0003163	-5.78E-11
Dispersion	2.296E-11	3.414E-11	9.099E-11	-9.58E-11	-5.78E-11	3.5318E-7

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0861	0.0365	1.0146	1.1576	885.89	<.0001
A	1	0.0202	0.0536	-0.0848	0.1252	0.14	0.7055
M_bin	1	-0.0092	0.0492	-0.1056	0.0872	0.04	0.8514
int	1	-0.0560	0.0752	-0.2034	0.0915	0.55	0.4569
C	1	-0.0006	0.0178	-0.0355	0.0342	0.00	0.9716
Dispersion	1	0.0000	0.0006	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA119
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1106.2478	1.1118
Scaled Deviance	995	1106.2478	1.1118
Pearson Chi-Square	995	1000.4580	1.0055
Scaled Pearson X2	995	1000.4580	1.0055
Log Likelihood		198.7719	
Full Log Likelihood		-1935.2479	
AIC (smaller is better)		3882.4958	
AICC (smaller is better)		3882.5804	
BIC (smaller is better)		3911.9424	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001402	-0.001141	-0.001068	0.001141	-0.000294	-3.511E-7
Prm2	-0.001141	0.002942	0.001174	-0.002942	-0.000029	1.7604E-7
Prm3	-0.001068	0.001174	0.002574	-0.002545	-0.000118	2.5543E-7
Prm4	0.001141	-0.002942	-0.002545	0.005970	0.0000283	-4.422E-7
Prm5	-0.000294	-0.000029	-0.000118	0.0000283	0.0003617	2.506E-7
Dispersion	-3.511E-7	1.7604E-7	2.5543E-7	-4.422E-7	2.506E-7	0.0002698

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1179	0.0374	1.0445	1.1913	891.07	<.0001
A	1	0.0175	0.0542	-0.0888	0.1238	0.10	0.7475
M_bin	1	-0.1003	0.0507	-0.1997	-0.0008	3.91	0.0481
int	1	-0.0009	0.0773	-0.1523	0.1506	0.00	0.9910
C	1	-0.0087	0.0190	-0.0460	0.0286	0.21	0.6469
Dispersion	1	0.0188	0.0164	0.0034	0.1041		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA120
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1102.7136	1.1083
Scaled Deviance	995	1102.7136	1.1083
Pearson Chi-Square	995	999.9837	1.0050
Scaled Pearson X2	995	999.9837	1.0050
Log Likelihood		189.3393	
Full Log Likelihood		-1921.1592	
AIC (smaller is better)		3854.3183	
AICC (smaller is better)		3854.4029	
BIC (smaller is better)		3883.7648	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001349	-0.001110	-0.000992	0.001075	-0.000300	-3.359E-7
Prm2	-0.001110	0.002958	0.001085	-0.002956	0.0000209	3.6482E-7
Prm3	-0.000992	0.001085	0.002495	-0.002462	-0.000116	1.3515E-7
Prm4	0.001075	-0.002956	-0.002462	0.005902	0.0000190	-2.561E-7
Prm5	-0.000300	0.0000209	-0.000116	0.0000190	0.0003496	1.7827E-7
Dispersion	-3.359E-7	3.6482E-7	1.3515E-7	-2.561E-7	1.7827E-7	0.0002449

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1207	0.0367	1.0487	1.1927	930.99	<.0001
A	1	0.0045	0.0544	-0.1021	0.1111	0.01	0.9337
M_bin	1	-0.1259	0.0499	-0.2238	-0.0280	6.35	0.0117
int	1	0.0414	0.0768	-0.1092	0.1920	0.29	0.5897
C	1	-0.0057	0.0187	-0.0424	0.0309	0.09	0.7587
Dispersion	1	0.0097	0.0156	0.0004	0.2314		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA121
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1091.3166	1.0968
Scaled Deviance	995	1091.3166	1.0968
Pearson Chi-Square	995	1002.7046	1.0077
Scaled Pearson X2	995	1002.7046	1.0077
Log Likelihood		294.5221	
Full Log Likelihood		-1949.2609	
AIC (smaller is better)		3910.5219	
AICC (smaller is better)		3910.6065	
BIC (smaller is better)		3939.9684	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001362	-0.001121	-0.000999	0.001064	-0.000280	9.2921E-7
Prm2	-0.001121	0.002730	0.001135	-0.002732	-0.000011	2.2277E-8
Prm3	-0.000999	0.001135	0.002616	-0.002579	-0.000158	4.9826E-7
Prm4	0.001064	-0.002732	-0.002579	0.005783	0.0000802	-3.259E-7
Prm5	-0.000280	-0.000011	-0.000158	0.0000802	0.0003380	-1.089E-6
Dispersion	9.2921E-7	2.2277E-8	4.9826E-7	-3.259E-7	-1.089E-6	0.0002466

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1287	0.0369	1.0564	1.2010	935.20	<.0001
A	1	0.0459	0.0522	-0.0565	0.1483	0.77	0.3795
M_bin	1	-0.0810	0.0511	-0.1813	0.0192	2.51	0.1131
int	1	-0.0551	0.0760	-0.2042	0.0939	0.53	0.4683
C	1	-0.0010	0.0184	-0.0370	0.0350	0.00	0.9570
Dispersion	1	0.0187	0.0157	0.0036	0.0970		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA122
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1092.5227	1.0980
Scaled Deviance	995	1092.5227	1.0980
Pearson Chi-Square	995	1001.0724	1.0061
Scaled Pearson X2	995	1001.0724	1.0061
Log Likelihood		220.0965	
Full Log Likelihood		-1925.8975	
AIC (smaller is better)		3863.7950	
AICC (smaller is better)		3863.8796	
BIC (smaller is better)		3893.2415	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001298	-0.001026	-0.000981	0.001033	-0.000286	1.1789E-6
Prm2	-0.001026	0.002987	0.001082	-0.002986	-0.000051	1.0757E-6
Prm3	-0.000981	0.001082	0.002392	-0.002373	-0.000106	3.0205E-7
Prm4	0.001033	-0.002986	-0.002373	0.005954	0.0000422	-2.218E-6
Prm5	-0.000286	-0.000051	-0.000106	0.0000422	0.0003532	-1.257E-6
Dispersion	1.1789E-6	1.0757E-6	3.0205E-7	-2.218E-6	-1.257E-6	0.0002463

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1478	0.0360	1.0772	1.2184	1014.77	<.0001
A	1	0.0374	0.0547	-0.0697	0.1445	0.47	0.4936
M_bin	1	-0.0368	0.0489	-0.1327	0.0590	0.57	0.4512
int	1	-0.1415	0.0772	-0.2927	0.0097	3.36	0.0667
C	1	-0.0404	0.0188	-0.0773	-0.0036	4.63	0.0314
Dispersion	1	0.0110	0.0157	0.0007	0.1788		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA123
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1108.4170	1.1140
Scaled Deviance	995	1108.4170	1.1140
Pearson Chi-Square	995	999.8283	1.0049
Scaled Pearson X2	995	999.8283	1.0049
Log Likelihood		238.0610	
Full Log Likelihood		-1943.7123	
AIC (smaller is better)		3899.4246	
AICC (smaller is better)		3899.5092	
BIC (smaller is better)		3928.8711	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001376	-0.001123	-0.000999	0.001052	-0.000301	-5.558E-7
Prm2	-0.001123	0.002845	0.001118	-0.002845	3.8133E-6	1.6236E-6
Prm3	-0.000999	0.001118	0.002565	-0.002541	-0.000141	5.7398E-7
Prm4	0.001052	-0.002845	-0.002541	0.005930	0.0000790	-3.545E-6
Prm5	-0.000301	3.8133E-6	-0.000141	0.0000790	0.0003530	3.5565E-7
Dispersion	-5.558E-7	1.6236E-6	5.7398E-7	-3.545E-6	3.5565E-7	0.0002597

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1144	0.0371	1.0417	1.1871	902.21	<.0001
A	1	-0.0075	0.0533	-0.1120	0.0971	0.02	0.8888
M_bin	1	-0.0245	0.0506	-0.1238	0.0748	0.23	0.6285
int	1	0.0342	0.0770	-0.1167	0.1851	0.20	0.6567
C	1	-0.0267	0.0188	-0.0636	0.0101	2.03	0.1547
Dispersion	1	0.0190	0.0161	0.0036	0.1001		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA124
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1121.2434	1.1269
Scaled Deviance	995	1121.2434	1.1269
Pearson Chi-Square	995	994.5405	0.9995
Scaled Pearson X2	995	994.5405	0.9995
Log Likelihood		193.6186	
Full Log Likelihood		-1938.6046	
AIC (smaller is better)		3889.2092	
AICC (smaller is better)		3889.2938	
BIC (smaller is better)		3918.6557	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001303	-0.001071	-0.001000	0.001049	-0.000258	-3.152E-6
Prm2	-0.001071	0.002833	0.001129	-0.002837	-0.000049	4.6301E-6
Prm3	-0.001000	0.001129	0.002564	-0.002537	-0.000143	1.8538E-6
Prm4	0.001049	-0.002837	-0.002537	0.006122	0.0000786	-4.637E-6
Prm5	-0.000258	-0.000049	-0.000143	0.0000786	0.0003401	1.3204E-6
Dispersion	-3.152E-6	4.6301E-6	1.8538E-6	-4.637E-6	1.3204E-6	0.0002738

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1542	0.0361	1.0834	1.2249	1021.99	<.0001
A	1	-0.0793	0.0532	-0.1836	0.0251	2.22	0.1364
M_bin	1	-0.0556	0.0506	-0.1549	0.0436	1.21	0.2720
int	1	0.0307	0.0782	-0.1227	0.1840	0.15	0.6950
C	1	-0.0376	0.0184	-0.0737	-0.0014	4.15	0.0415
Dispersion	1	0.0211	0.0165	0.0045	0.0982		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA125
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1109.6346	1.1152
Scaled Deviance	995	1109.6346	1.1152
Pearson Chi-Square	995	996.3927	1.0014
Scaled Pearson X2	995	996.3927	1.0014
Log Likelihood		283.4975	
Full Log Likelihood		-1934.9536	
AIC (smaller is better)		3881.9072	
AICC (smaller is better)		3881.9918	
BIC (smaller is better)		3911.3538	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001371	-0.001177	-0.001055	0.001129	-0.000266	-1.961E-8
Prm2	-0.001177	0.002937	0.001152	-0.002933	0.0000205	4.6329E-7
Prm3	-0.001055	0.001152	0.002320	-0.002283	-0.000134	3.6723E-7
Prm4	0.001129	-0.002933	-0.002283	0.005676	0.0000395	-4.542E-7
Prm5	-0.000266	0.0000205	-0.000134	0.0000395	0.0003359	-2.698E-7
Dispersion	-1.961E-8	4.6329E-7	3.6723E-7	-4.542E-7	-2.698E-7	0.0002364

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1466	0.0370	1.0741	1.2192	959.03	<.0001
A	1	0.0292	0.0542	-0.0771	0.1354	0.29	0.5905
M_bin	1	0.0408	0.0482	-0.0536	0.1353	0.72	0.3964
int	1	-0.1759	0.0753	-0.3236	-0.0283	5.45	0.0195
C	1	-0.0503	0.0183	-0.0862	-0.0144	7.53	0.0061
Dispersion	1	0.0043	0.0154	0.0000	4.4767		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA126
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1102.8811	1.1084
Scaled Deviance	995	1102.8811	1.1084
Pearson Chi-Square	995	998.8716	1.0039
Scaled Pearson X2	995	998.8716	1.0039
Log Likelihood		248.8075	
Full Log Likelihood		-1954.8674	
AIC (smaller is better)		3921.7347	
AICC (smaller is better)		3921.8193	
BIC (smaller is better)		3951.1813	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001486	-0.001228	-0.001172	0.001254	-0.000305	1.0787E-6
Prm2	-0.001228	0.002931	0.001228	-0.002931	7.8208E-7	3.7256E-6
Prm3	-0.001172	0.001228	0.002606	-0.002588	-0.000066	1.3216E-6
Prm4	0.001254	-0.002931	-0.002588	0.006081	-0.000031	-4.936E-6
Prm5	-0.000305	7.8208E-7	-0.000066	-0.000031	0.0003607	-2.32E-6
Dispersion	1.0787E-6	3.7256E-6	1.3216E-6	-4.936E-6	-2.32E-6	0.0002789

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1349	0.0385	1.0594	1.2104	867.02	<.0001
A	1	0.0875	0.0541	-0.0186	0.1936	2.61	0.1061
M_bin	1	-0.0830	0.0510	-0.1831	0.0170	2.65	0.1038
int	1	-0.0672	0.0780	-0.2200	0.0857	0.74	0.3890
C	1	-0.0369	0.0190	-0.0741	0.0003	3.78	0.0519
Dispersion	1	0.0315	0.0167	0.0112	0.0890		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA127
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1104.2632	1.1098
Scaled Deviance	995	1104.2632	1.1098
Pearson Chi-Square	995	1004.7796	1.0098
Scaled Pearson X2	995	1004.7796	1.0098
Log Likelihood		217.1312	
Full Log Likelihood		-1923.5873	
AIC (smaller is better)		3859.1745	
AICC (smaller is better)		3859.2591	
BIC (smaller is better)		3888.6210	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001450	-0.001199	-0.001121	0.001183	-0.000279	1.4472E-7
Prm2	-0.001199	0.002761	0.001223	-0.002762	-0.000020	1.1283E-7
Prm3	-0.001121	0.001223	0.002545	-0.002520	-0.000113	6.2507E-7
Prm4	0.001183	-0.002762	-0.002520	0.005663	0.0000393	-1.14E-6
Prm5	-0.000279	-0.000020	-0.000113	0.0000393	0.0003327	-2.464E-7
Dispersion	1.4472E-7	1.1283E-7	6.2507E-7	-1.14E-6	-2.464E-7	0.0002387

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1527	0.0381	1.0781	1.2274	916.36	<.0001
A	1	0.0031	0.0525	-0.0998	0.1061	0.00	0.9523
M_bin	1	-0.0907	0.0504	-0.1896	0.0082	3.23	0.0722
int	1	-0.0223	0.0753	-0.1698	0.1252	0.09	0.7665
C	1	-0.0307	0.0182	-0.0665	0.0050	2.83	0.0922
Dispersion	1	0.0066	0.0155	0.0001	0.6599		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA128
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1087.7264	1.0932
Scaled Deviance	995	1087.7264	1.0932
Pearson Chi-Square	995	998.2554	1.0033
Scaled Pearson X2	995	998.2554	1.0033
Log Likelihood		227.3024	
Full Log Likelihood		-1944.0639	
AIC (smaller is better)		3900.1278	
AICC (smaller is better)		3900.2124	
BIC (smaller is better)		3929.5743	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001435	-0.001151	-0.001125	0.001085	-0.000256	9.4906E-7
Prm2	-0.001151	0.003104	0.001321	-0.003140	-0.000140	4.5659E-7
Prm3	-0.001125	0.001321	0.002596	-0.002624	-0.000176	1.3428E-6
Prm4	0.001085	-0.003140	-0.002624	0.006237	0.0002315	-3.881E-6
Prm5	-0.000256	-0.000140	-0.000176	0.0002315	0.0003566	-9.91E-7
Dispersion	9.4906E-7	4.5659E-7	1.3428E-6	-3.881E-6	-9.91E-7	0.0002735

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1445	0.0379	1.0703	1.2188	912.69	<.0001
A	1	0.0542	0.0557	-0.0550	0.1634	0.95	0.3305
M_bin	1	-0.0695	0.0510	-0.1693	0.0304	1.86	0.1728
int	1	-0.0447	0.0790	-0.1994	0.1101	0.32	0.5718
C	1	-0.0465	0.0189	-0.0835	-0.0095	6.05	0.0139
Dispersion	1	0.0271	0.0165	0.0082	0.0896		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA129
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1106.3591	1.1119
Scaled Deviance	995	1106.3591	1.1119
Pearson Chi-Square	995	996.7653	1.0018
Scaled Pearson X2	995	996.7653	1.0018
Log Likelihood		345.2099	
Full Log Likelihood		-1989.4448	
AIC (smaller is better)		3990.8896	
AICC (smaller is better)		3990.9742	
BIC (smaller is better)		4020.3362	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001467	-0.001203	-0.001141	0.001193	-0.000294	5.6986E-7
Prm2	-0.001203	0.003050	0.001226	-0.003051	-0.000020	1.8572E-6
Prm3	-0.001141	0.001226	0.002656	-0.002640	-0.000095	9.213E-7
Prm4	0.001193	-0.003051	-0.002640	0.006135	0.0000333	-3.324E-6
Prm5	-0.000294	-0.000020	-0.000095	0.0000333	0.0003513	-1.085E-6
Dispersion	5.6986E-7	1.8572E-6	9.213E-7	-3.324E-6	-1.085E-6	0.0002924

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1788	0.0383	1.1037	1.2539	947.36	<.0001
A	1	-0.0218	0.0552	-0.1301	0.0864	0.16	0.6929
M_bin	1	-0.0645	0.0515	-0.1655	0.0365	1.57	0.2109
int	1	0.0076	0.0783	-0.1459	0.1611	0.01	0.9226
C	1	-0.0284	0.0187	-0.0651	0.0084	2.29	0.1299
Dispersion	1	0.0448	0.0171	0.0212	0.0947		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA130
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1093.5758	1.0991
Scaled Deviance	995	1093.5758	1.0991
Pearson Chi-Square	995	1001.7636	1.0068
Scaled Pearson X2	995	1001.7636	1.0068
Log Likelihood		199.8480	
Full Log Likelihood		-1937.8641	
AIC (smaller is better)		3887.7283	
AICC (smaller is better)		3887.8129	
BIC (smaller is better)		3917.1748	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001254	-0.0001023	-0.0000918	0.00009613	-0.0000264	-8.107E-7
Prm2	-0.0001023	0.002967	0.001061	-0.002974	-0.000030	2.5217E-6
Prm3	-0.0000918	0.001061	0.002610	-0.002582	-0.000164	2.0803E-6
Prm4	0.00009613	-0.002974	-0.002582	0.006251	0.0001081	-4.384E-6
Prm5	-0.0000264	-0.000030	-0.000164	0.0001081	0.0003367	-2.403E-7
Dispersion	-8.107E-7	2.5217E-6	2.0803E-6	-4.384E-6	-2.403E-7	0.0002705

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1262	0.0354	1.0568	1.1956	1011.76	<.0001
A	1	0.0025	0.0545	-0.1042	0.1093	0.00	0.9629
M_bin	1	-0.0640	0.0511	-0.1642	0.0361	1.57	0.2100
int	1	0.0064	0.0791	-0.1485	0.1614	0.01	0.9352
C	1	-0.0320	0.0184	-0.0679	0.0040	3.03	0.0816
Dispersion	1	0.0240	0.0164	0.0063	0.0919		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA131
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1096.5786	1.1021
Scaled Deviance	995	1096.5786	1.1021
Pearson Chi-Square	995	1007.5851	1.0126
Scaled Pearson X2	995	1007.5851	1.0126
Log Likelihood		264.7778	
Full Log Likelihood		-1985.5463	
AIC (smaller is better)		3983.0926	
AICC (smaller is better)		3983.1772	
BIC (smaller is better)		4012.5391	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001757	-0.001479	-0.001344	0.001413	-0.000337	3.872E-7
Prm2	-0.001479	0.003239	0.001444	-0.003234	0.0000283	-3.336E-7
Prm3	-0.001344	0.001444	0.002920	-0.002896	-0.000121	-2.174E-7
Prm4	0.001413	-0.003234	-0.002896	0.006449	0.0000448	5.1017E-7
Prm5	-0.000337	0.0000283	-0.000121	0.0000448	0.0003746	-2.431E-7
Dispersion	3.872E-7	-3.336E-7	-2.174E-7	5.1017E-7	-2.431E-7	0.0003235

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1003	0.0419	1.0182	1.1825	689.05	<.0001
A	1	0.0382	0.0569	-0.0733	0.1498	0.45	0.5018
M_bin	1	-0.0442	0.0540	-0.1501	0.0617	0.67	0.4131
int	1	-0.0540	0.0803	-0.2114	0.1034	0.45	0.5012
C	1	0.0036	0.0194	-0.0343	0.0415	0.03	0.8528
Dispersion	1	0.0607	0.0180	0.0339	0.1085		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA132
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1123.4400	1.1291
Scaled Deviance	995	1123.4400	1.1291
Pearson Chi-Square	995	995.2118	1.0002
Scaled Pearson X2	995	995.2118	1.0002
Log Likelihood		276.7484	
Full Log Likelihood		-1941.1231	
AIC (smaller is better)		3894.2462	
AICC (smaller is better)		3894.3308	
BIC (smaller is better)		3923.6927	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001336	-0.001075	-0.000990	0.001024	-0.000284	-2.119E-6
Prm2	-0.001075	0.002755	0.001116	-0.002761	-0.000034	3.4081E-6
Prm3	-0.000990	0.001116	0.002462	-0.002446	-0.000137	3.1176E-6
Prm4	0.001024	-0.002761	-0.002446	0.005632	0.0000958	-5.18E-6
Prm5	-0.000284	-0.000034	-0.000137	0.0000958	0.0003454	2.9092E-7
Dispersion	-2.119E-6	3.4081E-6	3.1176E-6	-5.18E-6	2.9092E-7	0.0002486

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1358	0.0365	1.0641	1.2074	965.73	<.0001
A	1	0.0671	0.0525	-0.0358	0.1700	1.64	0.2010
M_bin	1	-0.0611	0.0496	-0.1583	0.0362	1.52	0.2183
int	1	-0.0037	0.0750	-0.1508	0.1433	0.00	0.9602
C	1	-0.0415	0.0186	-0.0780	-0.0051	4.99	0.0254
Dispersion	1	0.0059	0.0158	0.0000	1.1129		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA133
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1104.3080	1.1099
Scaled Deviance	995	1104.3080	1.1099
Pearson Chi-Square	995	1003.8367	1.0089
Scaled Pearson X2	995	1003.8367	1.0089
Log Likelihood		269.0632	
Full Log Likelihood		-1959.7673	
AIC (smaller is better)		3931.5347	
AICC (smaller is better)		3931.6193	
BIC (smaller is better)		3960.9812	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001405	-0.001170	-0.001038	0.001156	-0.000302	-1.217E-6
Prm2	-0.001170	0.002966	0.001143	-0.002965	0.0000226	1.3024E-7
Prm3	-0.001038	0.001143	0.002742	-0.002689	-0.000135	-6.442E-7
Prm4	0.001156	-0.002965	-0.002689	0.006059	-5.656E-6	-1.353E-7
Prm5	-0.000302	0.0000226	-0.000135	-5.656E-6	0.0003596	1.5087E-6
Dispersion	-1.217E-6	1.3024E-7	-6.442E-7	-1.353E-7	1.5087E-6	0.0002720

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1320	0.0375	1.0585	1.2055	911.77	<.0001
A	1	0.0226	0.0545	-0.0842	0.1293	0.17	0.6785
M_bin	1	-0.1241	0.0524	-0.2267	-0.0214	5.61	0.0178
int	1	0.0197	0.0778	-0.1329	0.1722	0.06	0.8006
C	1	0.0021	0.0190	-0.0350	0.0393	0.01	0.9104
Dispersion	1	0.0317	0.0165	0.0114	0.0879		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA134
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1075.1496	1.0806
Scaled Deviance	995	1075.1496	1.0806
Pearson Chi-Square	995	991.5294	0.9965
Scaled Pearson X2	995	991.5294	0.9965
Log Likelihood		179.0128	
Full Log Likelihood		-1902.0345	
AIC (smaller is better)		3816.0690	
AICC (smaller is better)		3816.1536	
BIC (smaller is better)		3845.5155	

WARNING: Negative of Hessian not positive definite.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001415	-0.001171	-0.001075	0.001138	-0.000277	0
Prm2	-0.001171	0.002672	0.001192	-0.002674	-0.000017	0
Prm3	-0.001075	0.001192	0.002496	-0.002465	-0.000133	0
Prm4	0.001138	-0.002674	-0.002465	0.005680	0.0000558	0
Prm5	-0.000277	-0.000017	-0.000133	0.0000558	0.0003325	0
Dispersion	0	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1026	0.0376	1.0288	1.1763	859.18	<.0001
A	1	0.0686	0.0517	-0.0327	0.1699	1.76	0.1842
M_bin	1	-0.0310	0.0500	-0.1289	0.0670	0.38	0.5354
int	1	-0.1357	0.0754	-0.2834	0.0120	3.24	0.0718
C	1	-0.0282	0.0182	-0.0640	0.0075	2.40	0.1215
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA135
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1107.1695	1.1127
Scaled Deviance	995	1107.1695	1.1127
Pearson Chi-Square	995	1000.6544	1.0057
Scaled Pearson X2	995	1000.6544	1.0057
Log Likelihood		224.2262	
Full Log Likelihood		-1915.2531	
AIC (smaller is better)		3842.5063	
AICC (smaller is better)		3842.5909	
BIC (smaller is better)		3871.9528	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001263	-0.0001048	-0.0000968	0.001030	-0.000242	3.748E-10
Prm2	-0.0001048	0.002706	0.001120	-0.002710	-0.000059	5.163E-10
Prm3	-0.0000968	0.001120	0.002471	-0.002427	-0.000171	3.315E-10
Prm4	0.001030	-0.002710	-0.002427	0.005647	0.0000840	-6.1E-10
Prm5	-0.000242	-0.000059	-0.000171	0.0000840	0.0003378	-6.26E-10
Dispersion	3.748E-10	5.163E-10	3.315E-10	-6.1E-10	-6.26E-10	7.9911E-8

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1139	0.0355	1.0442	1.1836	982.06	<.0001
A	1	0.0898	0.0520	-0.0121	0.1918	2.98	0.0841
M_bin	1	-0.0212	0.0497	-0.1186	0.0763	0.18	0.6702
int	1	-0.2273	0.0751	-0.3746	-0.0800	9.15	0.0025
C	1	-0.0180	0.0184	-0.0541	0.0180	0.96	0.3265
Dispersion	1	0.0000	0.0003	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA136
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1088.2487	1.0937
Scaled Deviance	995	1088.2487	1.0937
Pearson Chi-Square	995	1000.7649	1.0058
Scaled Pearson X2	995	1000.7649	1.0058
Log Likelihood		179.3717	
Full Log Likelihood		-1904.9441	
AIC (smaller is better)		3821.8883	
AICC (smaller is better)		3821.9728	
BIC (smaller is better)		3851.3348	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001478	-0.001145	-0.001106	0.001128	-0.000328	1.0995E-6
Prm2	-0.001145	0.002712	0.001179	-0.002713	-0.000030	-8.571E-8
Prm3	-0.001106	0.001179	0.002484	-0.002480	-0.000071	2.7574E-7
Prm4	0.001128	-0.002713	-0.002480	0.005658	0.0000478	9.8775E-7
Prm5	-0.000328	-0.000030	-0.000071	0.0000478	0.0003531	-1.382E-6
Dispersion	1.0995E-6	-8.571E-8	2.7574E-7	9.8775E-7	-1.382E-6	0.0002363

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0612	0.0384	0.9859	1.1365	762.14	<.0001
A	1	0.1047	0.0521	0.0026	0.2068	4.04	0.0444
M_bin	1	-0.0555	0.0498	-0.1532	0.0422	1.24	0.2658
int	1	-0.1805	0.0752	-0.3279	-0.0330	5.76	0.0164
C	1	0.0192	0.0188	-0.0176	0.0560	1.05	0.3066
Dispersion	1	0.0001	0.0154	0.0000	2.22E132		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA137
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1083.1186	1.0886
Scaled Deviance	995	1083.1186	1.0886
Pearson Chi-Square	995	998.2709	1.0033
Scaled Pearson X2	995	998.2709	1.0033
Log Likelihood		296.3769	
Full Log Likelihood		-1956.8130	
AIC (smaller is better)		3925.6261	
AICC (smaller is better)		3925.7107	
BIC (smaller is better)		3955.0726	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001397	-0.001111	-0.001055	0.001100	-0.000296	5.3022E-7
Prm2	-0.001111	0.002830	0.001167	-0.002832	-0.000049	2.3768E-6
Prm3	-0.001055	0.001167	0.002577	-0.002560	-0.000117	1.8313E-6
Prm4	0.001100	-0.002832	-0.002560	0.006008	0.0000619	-5.344E-6
Prm5	-0.000296	-0.000049	-0.000117	0.0000619	0.0003575	-1.266E-6
Dispersion	5.3022E-7	2.3768E-6	1.8313E-6	-5.344E-6	-1.266E-6	0.0002619

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1953	0.0374	1.1221	1.2686	1023.10	<.0001
A	1	-0.0123	0.0532	-0.1166	0.0920	0.05	0.8172
M_bin	1	-0.1282	0.0508	-0.2277	-0.0287	6.38	0.0116
int	1	0.0052	0.0775	-0.1467	0.1571	0.00	0.9465
C	1	-0.0334	0.0189	-0.0705	0.0037	3.12	0.0774
Dispersion	1	0.0295	0.0162	0.0101	0.0864		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA138
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1123.5547	1.1292
Scaled Deviance	995	1123.5547	1.1292
Pearson Chi-Square	995	992.9045	0.9979
Scaled Pearson X2	995	992.9045	0.9979
Log Likelihood		204.2866	
Full Log Likelihood		-1922.7628	
AIC (smaller is better)		3857.5256	
AICC (smaller is better)		3857.6102	
BIC (smaller is better)		3886.9722	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001359	-0.001128	-0.001041	0.001112	-0.000261	-2.836E-6
Prm2	-0.001128	0.002730	0.001176	-0.002732	-0.000039	2.6922E-6
Prm3	-0.001041	0.001176	0.002516	-0.002474	-0.000152	2.8399E-6
Prm4	0.001112	-0.002732	-0.002474	0.005672	0.0000602	-4.347E-6
Prm5	-0.000261	-0.000039	-0.000152	0.0000602	0.0003384	1.2018E-6
Dispersion	-2.836E-6	2.6922E-6	2.8399E-6	-4.347E-6	1.2018E-6	0.0002476

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1258	0.0369	1.0536	1.1981	932.54	<.0001
A	1	0.0596	0.0522	-0.0428	0.1620	1.30	0.2543
M_bin	1	-0.0774	0.0502	-0.1757	0.0209	2.38	0.1230
int	1	-0.0738	0.0753	-0.2214	0.0739	0.96	0.3274
C	1	-0.0288	0.0184	-0.0648	0.0073	2.45	0.1176
Dispersion	1	0.0029	0.0157	0.0000	116.8123		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA139
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1073.6050	1.0790
Scaled Deviance	995	1073.6050	1.0790
Pearson Chi-Square	995	998.5458	1.0036
Scaled Pearson X2	995	998.5458	1.0036
Log Likelihood		358.2879	
Full Log Likelihood		-1947.1132	
AIC (smaller is better)		3906.2264	
AICC (smaller is better)		3906.3110	
BIC (smaller is better)		3935.6730	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001427	-0.001167	-0.001070	0.001144	-0.000305	2.3128E-6
Prm2	-0.001167	0.002696	0.001159	-0.002695	6.2848E-6	1.6448E-7
Prm3	-0.001070	0.001159	0.002512	-0.002486	-0.000105	8.2617E-7
Prm4	0.001144	-0.002695	-0.002486	0.005528	0.0000196	-3.816E-7
Prm5	-0.000305	6.2848E-6	-0.000105	0.0000196	0.0003494	-2.703E-6
Dispersion	2.3128E-6	1.6448E-7	8.2617E-7	-3.816E-7	-2.703E-6	0.0002190

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1263	0.0378	1.0522	1.2003	888.71	<.0001
A	1	0.1056	0.0519	0.0038	0.2074	4.14	0.0420
M_bin	1	-0.0542	0.0501	-0.1525	0.0440	1.17	0.2792
int	1	-0.1253	0.0744	-0.2710	0.0204	2.84	0.0919
C	1	-0.0019	0.0187	-0.0386	0.0347	0.01	0.9180
Dispersion	1	0.0131	0.0148	0.0014	0.1196		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA140
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1108.4663	1.1140
Scaled Deviance	995	1108.4663	1.1140
Pearson Chi-Square	995	998.1930	1.0032
Scaled Pearson X2	995	998.1930	1.0032
Log Likelihood		225.0609	
Full Log Likelihood		-1944.5399	
AIC (smaller is better)		3901.0799	
AICC (smaller is better)		3901.1645	
BIC (smaller is better)		3930.5264	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001335	-0.001082	-0.001016	0.001045	-0.000265	-4.995E-7
Prm2	-0.001082	0.003066	0.001151	-0.003074	-0.000057	5.8954E-7
Prm3	-0.001016	0.001151	0.002493	-0.002478	-0.000141	1.9671E-6
Prm4	0.001045	-0.003074	-0.002478	0.006098	0.0001041	-3.08E-6
Prm5	-0.000265	-0.000057	-0.000141	0.0001041	0.0003371	-5.075E-8
Dispersion	-4.995E-7	5.8954E-7	1.9671E-6	-3.08E-6	-5.075E-8	0.0002753

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1590	0.0365	1.0874	1.2306	1006.39	<.0001
A	1	-0.0443	0.0554	-0.1528	0.0643	0.64	0.4241
M_bin	1	-0.0840	0.0499	-0.1819	0.0139	2.83	0.0925
int	1	0.0269	0.0781	-0.1261	0.1800	0.12	0.7301
C	1	-0.0297	0.0184	-0.0656	0.0063	2.61	0.1063
Dispersion	1	0.0212	0.0166	0.0046	0.0982		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA141
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1119.8915	1.1255
Scaled Deviance	995	1119.8915	1.1255
Pearson Chi-Square	995	1001.4853	1.0065
Scaled Pearson X2	995	1001.4853	1.0065
Log Likelihood		226.2325	
Full Log Likelihood		-1932.8570	
AIC (smaller is better)		3877.7141	
AICC (smaller is better)		3877.7987	
BIC (smaller is better)		3907.1606	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001299	-0.0001046	-0.0000962	0.001072	-0.000301	-2.149E-7
Prm2	-0.0001046	0.002853	0.001056	-0.002852	-9.243E-6	7.0001E-7
Prm3	-0.0000962	0.001056	0.002423	-0.002382	-0.000112	4.1273E-7
Prm4	0.001072	-0.002852	-0.002382	0.005851	-0.000023	-1.444E-6
Prm5	-0.000301	-9.243E-6	-0.000112	-0.000023	0.0003691	4.1144E-8
Dispersion	-2.149E-7	7.0001E-7	4.1273E-7	-1.444E-6	4.1144E-8	0.0002468

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1430	0.0360	1.0724	1.2137	1005.38	<.0001
A	1	-0.0256	0.0534	-0.1303	0.0791	0.23	0.6314
M_bin	1	-0.0755	0.0492	-0.1720	0.0210	2.35	0.1252
int	1	0.0272	0.0765	-0.1227	0.1772	0.13	0.7216
C	1	-0.0261	0.0192	-0.0637	0.0116	1.84	0.1745
Dispersion	1	0.0092	0.0157	0.0003	0.2613		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA142
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1081.2908	1.0867
Scaled Deviance	995	1081.2908	1.0867
Pearson Chi-Square	995	1001.4906	1.0065
Scaled Pearson X2	995	1001.4906	1.0065
Log Likelihood		200.2968	
Full Log Likelihood		-1934.9007	
AIC (smaller is better)		3881.8014	
AICC (smaller is better)		3881.8860	
BIC (smaller is better)		3911.2479	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001436	-0.001183	-0.001108	0.001166	-0.000271	7.7737E-8
Prm2	-0.001183	0.002842	0.001253	-0.002846	-0.000058	-4.853E-9
Prm3	-0.001108	0.001253	0.002725	-0.002692	-0.000156	3.8614E-8
Prm4	0.001166	-0.002846	-0.002692	0.006031	0.0000802	-1.796E-8
Prm5	-0.000271	-0.000058	-0.000156	0.0000802	0.0003528	-8.985E-8
Dispersion	7.7737E-8	-4.853E-9	3.8614E-8	-1.796E-8	-8.985E-8	0.0002710

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0644	0.0379	0.9901	1.1387	788.76	<.0001
A	1	0.1093	0.0533	0.0048	0.2138	4.20	0.0403
M_bin	1	-0.0018	0.0522	-0.1041	0.1005	0.00	0.9724
int	1	-0.2091	0.0777	-0.3613	-0.0569	7.25	0.0071
C	1	0.0005	0.0188	-0.0363	0.0373	0.00	0.9781
Dispersion	1	0.0247	0.0165	0.0067	0.0912		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA143
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1106.0265	1.1116
Scaled Deviance	995	1106.0265	1.1116
Pearson Chi-Square	995	989.2875	0.9943
Scaled Pearson X2	995	989.2875	0.9943
Log Likelihood		185.6206	
Full Log Likelihood		-1932.4623	
AIC (smaller is better)		3876.9247	
AICC (smaller is better)		3877.0093	
BIC (smaller is better)		3906.3712	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001293	-0.001031	-0.000945	0.0009883	-0.000272	-4.473E-6
Prm2	-0.001031	0.002930	0.001124	-0.002942	-0.000072	6.2841E-6
Prm3	-0.000945	0.001124	0.002623	-0.002593	-0.000186	2.71E-6
Prm4	0.0009883	-0.002942	-0.002593	0.006262	0.0001290	-8.362E-6
Prm5	-0.000272	-0.000072	-0.000186	0.0001290	0.0003574	2.2645E-6
Dispersion	-4.473E-6	6.2841E-6	2.71E-6	-8.362E-6	2.2645E-6	0.0002828

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2195	0.0360	1.1490	1.2900	1150.22	<.0001
A	1	-0.0889	0.0541	-0.1950	0.0172	2.70	0.1006
M_bin	1	-0.2063	0.0512	-0.3066	-0.1059	16.22	<.0001
int	1	0.1182	0.0791	-0.0369	0.2733	2.23	0.1352
C	1	-0.0495	0.0189	-0.0866	-0.0125	6.87	0.0088
Dispersion	1	0.0231	0.0168	0.0055	0.0962		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA144
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1089.8213	1.0953
Scaled Deviance	995	1089.8213	1.0953
Pearson Chi-Square	995	997.3963	1.0024
Scaled Pearson X2	995	997.3963	1.0024
Log Likelihood		87.5867	
Full Log Likelihood		-1903.9106	
AIC (smaller is better)		3819.8212	
AICC (smaller is better)		3819.9058	
BIC (smaller is better)		3849.2677	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001514	-0.001237	-0.001128	0.001194	-0.000312	7.5717E-7
Prm2	-0.001237	0.002947	0.001238	-0.002947	-1.107E-6	4.9215E-7
Prm3	-0.001128	0.001238	0.002689	-0.002663	-0.000125	8.2019E-7
Prm4	0.001194	-0.002947	-0.002663	0.006068	0.0000499	-9.886E-7
Prm5	-0.000312	-1.107E-6	-0.000125	0.0000499	0.0003531	-1.118E-6
Dispersion	7.5717E-7	4.9215E-7	8.2019E-7	-9.886E-7	-1.118E-6	0.0002755

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0566	0.0389	0.9803	1.1328	737.56	<.0001
A	1	0.0708	0.0543	-0.0356	0.1772	1.70	0.1921
M_bin	1	-0.0270	0.0519	-0.1286	0.0746	0.27	0.6028
int	1	-0.1697	0.0779	-0.3224	-0.0171	4.75	0.0293
C	1	-0.0063	0.0188	-0.0431	0.0305	0.11	0.7378
Dispersion	1	0.0143	0.0166	0.0015	0.1386		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA145
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1106.8436	1.1124
Scaled Deviance	995	1106.8436	1.1124
Pearson Chi-Square	995	995.7657	1.0008
Scaled Pearson X2	995	995.7657	1.0008
Log Likelihood		260.4203	
Full Log Likelihood		-1968.6128	
AIC (smaller is better)		3949.2257	
AICC (smaller is better)		3949.3102	
BIC (smaller is better)		3978.6722	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001415	-0.001132	-0.001008	0.001095	-0.000312	-5.774E-7
Prm2	-0.001132	0.003243	0.001123	-0.003243	6.7654E-6	3.0931E-7
Prm3	-0.001008	0.001123	0.002538	-0.002502	-0.000127	1.5529E-7
Prm4	0.001095	-0.003243	-0.002502	0.006398	0.0000325	-6.045E-7
Prm5	-0.000312	6.7654E-6	-0.000127	0.0000325	0.0003366	4.6773E-7
Dispersion	-5.774E-7	3.0931E-7	1.5529E-7	-6.045E-7	4.6773E-7	0.0002934

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1378	0.0376	1.0641	1.2116	914.71	<.0001
A	1	-0.0904	0.0569	-0.2020	0.0213	2.52	0.1126
M_bin	1	-0.0522	0.0504	-0.1510	0.0465	1.07	0.2998
int	1	0.0698	0.0800	-0.0870	0.2266	0.76	0.3827
C	1	-0.0049	0.0183	-0.0408	0.0311	0.07	0.7906
Dispersion	1	0.0394	0.0171	0.0168	0.0924		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA146
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1101.9430	1.1075
Scaled Deviance	995	1101.9430	1.1075
Pearson Chi-Square	995	1000.3780	1.0054
Scaled Pearson X2	995	1000.3780	1.0054
Log Likelihood		268.5164	
Full Log Likelihood		-1948.6414	
AIC (smaller is better)		3909.2828	
AICC (smaller is better)		3909.3674	
BIC (smaller is better)		3938.7294	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001434	-0.001182	-0.001070	0.001130	-0.000291	1.2896E-6
Prm2	-0.001182	0.003016	0.001177	-0.003015	4.0123E-6	-4.979E-7
Prm3	-0.001070	0.001177	0.002572	-0.002547	-0.000124	3.407E-7
Prm4	0.001130	-0.003015	-0.002547	0.005910	0.0000556	-8.671E-7
Prm5	-0.000291	4.0123E-6	-0.000124	0.0000556	0.0003325	-1.015E-6
Dispersion	1.2896E-6	-4.979E-7	3.407E-7	-8.671E-7	-1.015E-6	0.0002532

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1195	0.0379	1.0453	1.1937	874.21	<.0001
A	1	0.0894	0.0549	-0.0183	0.1970	2.65	0.1036
M_bin	1	-0.0509	0.0507	-0.1503	0.0485	1.01	0.3153
int	1	-0.1065	0.0769	-0.2571	0.0442	1.92	0.1661
C	1	-0.0174	0.0182	-0.0531	0.0184	0.91	0.3406
Dispersion	1	0.0221	0.0159	0.0054	0.0906		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA147
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1100.5887	1.1061
Scaled Deviance	995	1100.5887	1.1061
Pearson Chi-Square	995	998.8395	1.0039
Scaled Pearson X2	995	998.8395	1.0039
Log Likelihood		279.7178	
Full Log Likelihood		-1943.8332	
AIC (smaller is better)		3899.6663	
AICC (smaller is better)		3899.7509	
BIC (smaller is better)		3929.1129	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001266	-0.0001057	-0.0000961	0.001033	-0.000244	2.9319E-8
Prm2	-0.0001057	0.002890	0.001105	-0.002894	-0.000039	1.397E-7
Prm3	-0.0000961	0.001105	0.002372	-0.002323	-0.000169	3.4492E-8
Prm4	0.001033	-0.002894	-0.002323	0.005914	0.0000720	-1.287E-7
Prm5	-0.000244	-0.000039	-0.000169	0.0000720	0.0003322	-7.621E-8
Dispersion	2.9319E-8	1.397E-7	3.4492E-8	-1.287E-7	-7.621E-8	0.0002425

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1486	0.0356	1.0789	1.2184	1042.51	<.0001
A	1	-0.0580	0.0538	-0.1633	0.0474	1.16	0.2809
M_bin	1	-0.0585	0.0487	-0.1540	0.0370	1.44	0.2298
int	1	0.0222	0.0769	-0.1285	0.1729	0.08	0.7727
C	1	-0.0087	0.0182	-0.0445	0.0270	0.23	0.6315
Dispersion	1	0.0142	0.0156	0.0017	0.1218		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA148
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1111.0687	1.1167
Scaled Deviance	995	1111.0687	1.1167
Pearson Chi-Square	995	996.9111	1.0019
Scaled Pearson X2	995	996.9111	1.0019
Log Likelihood		273.6538	
Full Log Likelihood		-1958.2852	
AIC (smaller is better)		3928.5704	
AICC (smaller is better)		3928.6550	
BIC (smaller is better)		3958.0169	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001516	-0.001229	-0.001126	0.001203	-0.000306	9.7668E-7
Prm2	-0.001229	0.002886	0.001272	-0.002889	-0.000034	8.8371E-7
Prm3	-0.001126	0.001272	0.002697	-0.002658	-0.000156	1.0792E-6
Prm4	0.001203	-0.002889	-0.002658	0.005864	0.0000649	-1.526E-6
Prm5	-0.000306	-0.000034	-0.000156	0.0000649	0.0003633	-1.466E-6
Dispersion	9.7668E-7	8.8371E-7	1.0792E-6	-1.526E-6	-1.466E-6	0.0002697

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0880	0.0389	1.0117	1.1643	780.62	<.0001
A	1	0.0881	0.0537	-0.0172	0.1934	2.69	0.1011
M_bin	1	-0.0094	0.0519	-0.1111	0.0924	0.03	0.8570
int	1	-0.1023	0.0766	-0.2524	0.0478	1.78	0.1817
C	1	-0.0080	0.0191	-0.0453	0.0294	0.18	0.6750
Dispersion	1	0.0256	0.0164	0.0073	0.0900		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA149
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1090.7605	1.0962
Scaled Deviance	995	1090.7605	1.0962
Pearson Chi-Square	995	1005.6618	1.0107
Scaled Pearson X2	995	1005.6618	1.0107
Log Likelihood		304.4039	
Full Log Likelihood		-1954.1052	
AIC (smaller is better)		3920.2104	
AICC (smaller is better)		3920.2950	
BIC (smaller is better)		3949.6569	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001363	-0.001138	-0.001086	0.001139	-0.000256	-2.532E-7
Prm2	-0.001138	0.002883	0.001190	-0.002883	-0.000049	3.3545E-6
Prm3	-0.001086	0.001190	0.002473	-0.002449	-0.000118	1.8089E-6
Prm4	0.001139	-0.002883	-0.002449	0.005936	0.0000474	-6.948E-6
Prm5	-0.000256	-0.000049	-0.000118	0.0000474	0.0003464	-6.094E-7
Dispersion	-2.532E-7	3.3545E-6	1.8089E-6	-6.948E-6	-6.094E-7	0.0002571

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2098	0.0369	1.1375	1.2822	1073.69	<.0001
A	1	-0.0067	0.0537	-0.1119	0.0986	0.02	0.9010
M_bin	1	-0.0985	0.0497	-0.1960	-0.0011	3.93	0.0476
int	1	-0.0550	0.0770	-0.2060	0.0960	0.51	0.4754
C	1	-0.0511	0.0186	-0.0875	-0.0146	7.53	0.0061
Dispersion	1	0.0243	0.0160	0.0067	0.0886		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA150
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1102.1405	1.1077
Scaled Deviance	995	1102.1405	1.1077
Pearson Chi-Square	995	998.7960	1.0038
Scaled Pearson X2	995	998.7960	1.0038
Log Likelihood		134.7407	
Full Log Likelihood		-1907.4646	
AIC (smaller is better)		3826.9291	
AICC (smaller is better)		3827.0137	
BIC (smaller is better)		3856.3757	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001395	-0.001127	-0.001057	0.001101	-0.000294	5.8331E-7
Prm2	-0.001127	0.002985	0.001166	-0.002988	-0.000034	7.3931E-8
Prm3	-0.001057	0.001166	0.002492	-0.002474	-0.000120	1.9936E-7
Prm4	0.001101	-0.002988	-0.002474	0.005937	0.0000664	-1.89E-7
Prm5	-0.000294	-0.000034	-0.000120	0.0000664	0.0003591	-6.832E-7
Dispersion	5.8331E-7	7.3931E-8	1.9936E-7	-1.89E-7	-6.832E-7	0.0002480

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1228	0.0373	1.0496	1.1960	903.73	<.0001
A	1	-0.0751	0.0546	-0.1822	0.0320	1.89	0.1692
M_bin	1	-0.1286	0.0499	-0.2265	-0.0308	6.64	0.0100
int	1	0.0946	0.0771	-0.0564	0.2456	1.51	0.2195
C	1	-0.0015	0.0189	-0.0387	0.0356	0.01	0.9355
Dispersion	1	0.0068	0.0157	0.0001	0.6371		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA151
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1079.6715	1.0851
Scaled Deviance	995	1079.6715	1.0851
Pearson Chi-Square	995	1003.6885	1.0087
Scaled Pearson X2	995	1003.6885	1.0087
Log Likelihood		184.7390	
Full Log Likelihood		-1919.9064	
AIC (smaller is better)		3851.8127	
AICC (smaller is better)		3851.8973	
BIC (smaller is better)		3881.2593	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001375	-0.001127	-0.001083	0.001099	-0.000262	1.8167E-6
Prm2	-0.001127	0.002771	0.001189	-0.002777	-0.000055	-8.645E-7
Prm3	-0.001083	0.001189	0.002611	-0.002604	-0.000112	8.4343E-8
Prm4	0.001099	-0.002777	-0.002604	0.005923	0.0000917	-1.218E-6
Prm5	-0.000262	-0.000055	-0.000112	0.0000917	0.0003343	-1.249E-6
Dispersion	1.8167E-6	-8.645E-7	8.4343E-8	-1.218E-6	-1.249E-6	0.0002510

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1147	0.0371	1.0420	1.1874	903.32	<.0001
A	1	0.0734	0.0526	-0.0298	0.1766	1.95	0.1631
M_bin	1	-0.0367	0.0511	-0.1369	0.0634	0.52	0.4720
int	1	-0.0932	0.0770	-0.2441	0.0576	1.47	0.2257
C	1	-0.0488	0.0183	-0.0846	-0.0130	7.12	0.0076
Dispersion	1	0.0146	0.0158	0.0017	0.1226		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA152
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1112.0657	1.1177
Scaled Deviance	995	1112.0657	1.1177
Pearson Chi-Square	995	1000.1684	1.0052
Scaled Pearson X2	995	1000.1684	1.0052
Log Likelihood		357.1219	
Full Log Likelihood		-1953.1478	
AIC (smaller is better)		3918.2955	
AICC (smaller is better)		3918.3801	
BIC (smaller is better)		3947.7420	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001217	-0.000981	-0.000924	0.0009937	-0.000266	-1.398E-6
Prm2	-0.000981	0.002566	0.001031	-0.002564	-0.000046	2.7769E-6
Prm3	-0.000924	0.001031	0.002397	-0.002366	-0.000120	8.2093E-7
Prm4	0.0009937	-0.002564	-0.002366	0.005593	0.0000284	-2.264E-6
Prm5	-0.000266	-0.000046	-0.000120	0.0000284	0.0003510	3.2288E-7
Dispersion	-1.398E-6	2.7769E-6	8.2093E-7	-2.264E-6	3.2288E-7	0.0002286

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2055	0.0349	1.1372	1.2739	1193.73	<.0001
A	1	-0.0402	0.0507	-0.1395	0.0591	0.63	0.4276
M_bin	1	-0.0930	0.0490	-0.1889	0.0030	3.61	0.0575
int	1	0.0403	0.0748	-0.1063	0.1869	0.29	0.5900
C	1	-0.0399	0.0187	-0.0767	-0.0032	4.54	0.0331
Dispersion	1	0.0088	0.0151	0.0003	0.2560		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA153
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1115.4604	1.1211
Scaled Deviance	995	1115.4604	1.1211
Pearson Chi-Square	995	999.7268	1.0048
Scaled Pearson X2	995	999.7268	1.0048
Log Likelihood		264.6961	
Full Log Likelihood		-1931.6863	
AIC (smaller is better)		3875.3727	
AICC (smaller is better)		3875.4573	
BIC (smaller is better)		3904.8192	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001338	-0.001119	-0.001051	0.001091	-0.000236	-2.992E-6
Prm2	-0.001119	0.002835	0.001220	-0.002845	-0.000083	2.7287E-6
Prm3	-0.001051	0.001220	0.002572	-0.002541	-0.000181	3.1852E-6
Prm4	0.001091	-0.002845	-0.002541	0.005578	0.0001233	-4.426E-6
Prm5	-0.000236	-0.000083	-0.000181	0.0001233	0.0003437	1.2202E-6
Dispersion	-2.992E-6	2.7287E-6	3.1852E-6	-4.426E-6	1.2202E-6	0.0002321

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1595	0.0366	1.0878	1.2312	1004.92	<.0001
A	1	0.0172	0.0532	-0.0871	0.1216	0.10	0.7462
M_bin	1	-0.0375	0.0507	-0.1369	0.0619	0.55	0.4593
int	1	-0.0339	0.0747	-0.1803	0.1124	0.21	0.6495
C	1	-0.0524	0.0185	-0.0888	-0.0161	8.00	0.0047
Dispersion	1	0.0036	0.0152	0.0000	13.7846		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA154
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1087.7323	1.0932
Scaled Deviance	995	1087.7323	1.0932
Pearson Chi-Square	995	1001.8602	1.0069
Scaled Pearson X2	995	1001.8602	1.0069
Log Likelihood		200.4162	
Full Log Likelihood		-1947.3350	
AIC (smaller is better)		3906.6699	
AICC (smaller is better)		3906.7545	
BIC (smaller is better)		3936.1165	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001400	-0.001144	-0.001063	0.001088	-0.000275	-4.368E-7
Prm2	-0.001144	0.003299	0.001234	-0.003314	-0.000074	2.704E-6
Prm3	-0.001063	0.001234	0.002722	-0.002705	-0.000183	1.2604E-7
Prm4	0.001088	-0.003314	-0.002705	0.006363	0.0001497	-3.048E-6
Prm5	-0.000275	-0.000074	-0.000183	0.0001497	0.0003740	-3.907E-8
Dispersion	-4.368E-7	2.704E-6	1.2604E-7	-3.048E-6	-3.907E-8	0.0002924

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1189	0.0374	1.0456	1.1923	894.00	<.0001
A	1	-0.0252	0.0574	-0.1378	0.0874	0.19	0.6609
M_bin	1	0.0114	0.0522	-0.0908	0.1137	0.05	0.8268
int	1	0.0141	0.0798	-0.1422	0.1704	0.03	0.8597
C	1	-0.0511	0.0193	-0.0890	-0.0132	6.98	0.0083
Dispersion	1	0.0342	0.0171	0.0129	0.0911		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA155
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1074.4241	1.0798
Scaled Deviance	995	1074.4241	1.0798
Pearson Chi-Square	995	1000.8825	1.0059
Scaled Pearson X2	995	1000.8825	1.0059
Log Likelihood		184.9835	
Full Log Likelihood		-1921.8839	
AIC (smaller is better)		3855.7678	
AICC (smaller is better)		3855.8524	
BIC (smaller is better)		3885.2143	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001539	-0.001269	-0.001179	0.001232	-0.000305	-3.857E-7
Prm2	-0.001269	0.003246	0.001295	-0.003249	-0.000022	9.1693E-7
Prm3	-0.001179	0.001295	0.002620	-0.002598	-0.000131	4.6448E-7
Prm4	0.001232	-0.003249	-0.002598	0.005976	0.0000670	-3.159E-6
Prm5	-0.000305	-0.000022	-0.000131	0.0000670	0.0003684	5.2514E-7
Dispersion	-3.857E-7	9.1693E-7	4.6448E-7	-3.159E-6	5.2514E-7	0.0002505

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1329	0.0392	1.0560	1.2098	833.83	<.0001
A	1	-0.0369	0.0570	-0.1486	0.0748	0.42	0.5172
M_bin	1	-0.0603	0.0512	-0.1606	0.0400	1.39	0.2389
int	1	0.0658	0.0773	-0.0857	0.2173	0.72	0.3948
C	1	-0.0377	0.0192	-0.0753	-0.0001	3.86	0.0496
Dispersion	1	0.0164	0.0158	0.0025	0.1090		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA156
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1121.4970	1.1271
Scaled Deviance	995	1121.4970	1.1271
Pearson Chi-Square	995	997.6020	1.0026
Scaled Pearson X2	995	997.6020	1.0026
Log Likelihood		98.4618	
Full Log Likelihood		-1902.5581	
AIC (smaller is better)		3817.1162	
AICC (smaller is better)		3817.2008	
BIC (smaller is better)		3846.5627	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001588	-0.001300	-0.001208	0.001286	-0.000327	4.6967E-7
Prm2	-0.001300	0.002921	0.001280	-0.002920	0.0000176	3.527E-7
Prm3	-0.001208	0.001280	0.002582	-0.002562	-0.000082	4.5334E-7
Prm4	0.001286	-0.002920	-0.002562	0.005850	-2.199E-6	-6.772E-7
Prm5	-0.000327	0.0000176	-0.000082	-2.199E-6	0.0003522	-6.792E-7
Dispersion	4.6967E-7	3.527E-7	4.5334E-7	-6.772E-7	-6.792E-7	0.0002603

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0401	0.0398	0.9620	1.1182	681.31	<.0001
A	1	0.0982	0.0540	-0.0078	0.2041	3.30	0.0693
M_bin	1	0.0025	0.0508	-0.0971	0.1021	0.00	0.9612
int	1	-0.1813	0.0765	-0.3312	-0.0314	5.62	0.0178
C	1	-0.0096	0.0188	-0.0463	0.0272	0.26	0.6106
Dispersion	1	0.0041	0.0161	0.0000	8.4941		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA157
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1095.7987	1.1013
Scaled Deviance	995	1095.7987	1.1013
Pearson Chi-Square	995	999.7267	1.0048
Scaled Pearson X2	995	999.7267	1.0048
Log Likelihood		161.9023	
Full Log Likelihood		-1927.4326	
AIC (smaller is better)		3866.8651	
AICC (smaller is better)		3866.9497	
BIC (smaller is better)		3896.3117	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001548	-0.001270	-0.001136	0.001231	-0.000334	5.1105E-7
Prm2	-0.001270	0.002927	0.001244	-0.002924	0.0000211	7.4475E-7
Prm3	-0.001136	0.001244	0.002748	-0.002711	-0.000129	-2.118E-7
Prm4	0.001231	-0.002924	-0.002711	0.006026	0.0000224	1.828E-8
Prm5	-0.000334	0.0000211	-0.000129	0.0000224	0.0003755	-7.195E-7
Dispersion	5.1105E-7	7.4475E-7	-2.118E-7	1.828E-8	-7.195E-7	0.0002705

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1067	0.0393	1.0295	1.1838	791.23	<.0001
A	1	0.0595	0.0541	-0.0466	0.1655	1.21	0.2716
M_bin	1	-0.0770	0.0524	-0.1798	0.0257	2.16	0.1418
int	1	-0.0575	0.0776	-0.2096	0.0946	0.55	0.4589
C	1	-0.0270	0.0194	-0.0650	0.0110	1.94	0.1636
Dispersion	1	0.0228	0.0164	0.0055	0.0938		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA158
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1072.2216	1.0776
Scaled Deviance	995	1072.2216	1.0776
Pearson Chi-Square	995	1002.8864	1.0079
Scaled Pearson X2	995	1002.8864	1.0079
Log Likelihood		161.4745	
Full Log Likelihood		-1931.4493	
AIC (smaller is better)		3874.8987	
AICC (smaller is better)		3874.9833	
BIC (smaller is better)		3904.3452	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001531	-0.001202	-0.001081	0.001121	-0.000345	-1.719E-7
Prm2	-0.001202	0.003213	0.001227	-0.003218	-0.000018	-2.089E-7
Prm3	-0.001081	0.001227	0.002670	-0.002653	-0.000153	-6.619E-7
Prm4	0.001121	-0.003218	-0.002653	0.006354	0.0001087	5.0106E-7
Prm5	-0.000345	-0.000018	-0.000153	0.0001087	0.0003818	4.5309E-7
Dispersion	-1.719E-7	-2.089E-7	-6.619E-7	5.0106E-7	4.5309E-7	0.0002774

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0575	0.0391	0.9808	1.1342	730.31	<.0001
A	1	0.0931	0.0567	-0.0180	0.2042	2.70	0.1005
M_bin	1	-0.0638	0.0517	-0.1651	0.0375	1.52	0.2170
int	1	-0.1082	0.0797	-0.2644	0.0481	1.84	0.1748
C	1	0.0140	0.0195	-0.0243	0.0523	0.51	0.4731
Dispersion	1	0.0325	0.0167	0.0119	0.0887		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA159
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1097.8577	1.1034
Scaled Deviance	995	1097.8577	1.1034
Pearson Chi-Square	995	997.0726	1.0021
Scaled Pearson X2	995	997.0726	1.0021
Log Likelihood		155.5673	
Full Log Likelihood		-1930.5107	
AIC (smaller is better)		3873.0213	
AICC (smaller is better)		3873.1059	
BIC (smaller is better)		3902.4679	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001452	-0.001170	-0.001080	0.001140	-0.000309	-2.236E-7
Prm2	-0.001170	0.003093	0.001211	-0.003096	-0.000035	1.4594E-6
Prm3	-0.001080	0.001211	0.002661	-0.002633	-0.000144	7.5055E-7
Prm4	0.001140	-0.003096	-0.002633	0.006153	0.0000710	-2.64E-6
Prm5	-0.000309	-0.000035	-0.000144	0.0000710	0.0003764	-1.579E-7
Dispersion	-2.236E-7	1.4594E-6	7.5055E-7	-2.64E-6	-1.579E-7	0.0002831

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1095	0.0381	1.0348	1.1842	848.06	<.0001
A	1	-0.0037	0.0556	-0.1127	0.1053	0.00	0.9471
M_bin	1	-0.0516	0.0516	-0.1527	0.0495	1.00	0.3173
int	1	-0.0333	0.0784	-0.1870	0.1205	0.18	0.6716
C	1	-0.0212	0.0194	-0.0592	0.0169	1.19	0.2753
Dispersion	1	0.0238	0.0168	0.0060	0.0951		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA160
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1103.1244	1.1087
Scaled Deviance	995	1103.1244	1.1087
Pearson Chi-Square	995	1001.6646	1.0067
Scaled Pearson X2	995	1001.6646	1.0067
Log Likelihood		180.4508	
Full Log Likelihood		-1923.7664	
AIC (smaller is better)		3859.5328	
AICC (smaller is better)		3859.6174	
BIC (smaller is better)		3888.9794	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001322	-0.001014	-0.000985	0.0009911	-0.000285	-4.063E-7
Prm2	-0.001014	0.002904	0.001118	-0.002911	-0.000089	1.7331E-7
Prm3	-0.000985	0.001118	0.002502	-0.002499	-0.000124	2.2206E-7
Prm4	0.0009911	-0.002911	-0.002499	0.005988	0.0001162	-2.286E-7
Prm5	-0.000285	-0.000089	-0.000124	0.0001162	0.0003469	2.6982E-7
Dispersion	-4.063E-7	1.7331E-7	2.2206E-7	-2.286E-7	2.6982E-7	0.0002507

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0802	0.0364	1.0090	1.1515	882.97	<.0001
A	1	0.0313	0.0539	-0.0743	0.1369	0.34	0.5611
M_bin	1	-0.0223	0.0500	-0.1204	0.0757	0.20	0.6554
int	1	-0.0459	0.0774	-0.1975	0.1058	0.35	0.5532
C	1	-0.0103	0.0186	-0.0468	0.0262	0.31	0.5796
Dispersion	1	0.0118	0.0158	0.0009	0.1631		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA161
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1085.1998	1.0907
Scaled Deviance	995	1085.1998	1.0907
Pearson Chi-Square	995	1002.9870	1.0080
Scaled Pearson X2	995	1002.9870	1.0080
Log Likelihood		193.4457	
Full Log Likelihood		-1926.1682	
AIC (smaller is better)		3864.3364	
AICC (smaller is better)		3864.4210	
BIC (smaller is better)		3893.7829	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001653	-0.001351	-0.001215	0.001291	-0.000332	-4.878E-8
Prm2	-0.001351	0.002989	0.001365	-0.002990	-0.000011	2.0362E-7
Prm3	-0.001215	0.001365	0.002766	-0.002729	-0.000163	1.847E-7
Prm4	0.001291	-0.002990	-0.002729	0.005821	0.0000777	-2.823E-7
Prm5	-0.000332	-0.000011	-0.000163	0.0000777	0.0003745	-6.708E-8
Dispersion	-4.878E-8	2.0362E-7	1.847E-7	-2.823E-7	-6.708E-8	0.0002502

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0694	0.0407	0.9897	1.1491	691.64	<.0001
A	1	0.0305	0.0547	-0.0767	0.1376	0.31	0.5771
M_bin	1	-0.0370	0.0526	-0.1401	0.0661	0.49	0.4819
int	1	0.0210	0.0763	-0.1285	0.1706	0.08	0.7830
C	1	-0.0031	0.0194	-0.0410	0.0349	0.02	0.8748
Dispersion	1	0.0162	0.0158	0.0024	0.1096		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA162
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1119.8276	1.1255
Scaled Deviance	995	1119.8276	1.1255
Pearson Chi-Square	995	1001.2783	1.0063
Scaled Pearson X2	995	1001.2783	1.0063
Log Likelihood		180.2273	
Full Log Likelihood		-1932.1555	
AIC (smaller is better)		3876.3110	
AICC (smaller is better)		3876.3956	
BIC (smaller is better)		3905.7575	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001471	-0.001213	-0.001124	0.001182	-0.000292	2.7519E-7
Prm2	-0.001213	0.003041	0.001251	-0.003045	-0.000032	7.0312E-8
Prm3	-0.001124	0.001251	0.002684	-0.002655	-0.000144	2.1086E-7
Prm4	0.001182	-0.003045	-0.002655	0.005946	0.0000712	-2.581E-7
Prm5	-0.000292	-0.000032	-0.000144	0.0000712	0.0003668	-3.542E-7
Dispersion	2.7519E-7	7.0312E-8	2.1086E-7	-2.581E-7	-3.542E-7	0.0002655

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0728	0.0384	0.9977	1.1480	782.41	<.0001
A	1	0.0950	0.0551	-0.0131	0.2031	2.97	0.0848
M_bin	1	-0.0525	0.0518	-0.1540	0.0491	1.03	0.3113
int	1	-0.0992	0.0771	-0.2503	0.0520	1.65	0.1984
C	1	-0.0026	0.0192	-0.0402	0.0349	0.02	0.8905
Dispersion	1	0.0176	0.0163	0.0029	0.1079		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA163
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1095.4860	1.1010
Scaled Deviance	995	1095.4860	1.1010
Pearson Chi-Square	995	997.3297	1.0023
Scaled Pearson X2	995	997.3297	1.0023
Log Likelihood		201.4824	
Full Log Likelihood		-1922.6615	
AIC (smaller is better)		3857.3230	
AICC (smaller is better)		3857.4076	
BIC (smaller is better)		3886.7695	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001301	-0.001077	-0.000990	0.001028	-0.000253	-3.728E-7
Prm2	-0.001077	0.002824	0.001154	-0.002837	-0.000062	5.5326E-7
Prm3	-0.000990	0.001154	0.002538	-0.002509	-0.000186	-4.702E-8
Prm4	0.001028	-0.002837	-0.002509	0.005872	0.0001326	-1.3E-6
Prm5	-0.000253	-0.000062	-0.000186	0.0001326	0.0003577	4.5085E-7
Dispersion	-3.728E-7	5.5326E-7	-4.702E-8	-1.3E-6	4.5085E-7	0.0002470

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1490	0.0361	1.0783	1.2197	1014.57	<.0001
A	1	-0.0517	0.0531	-0.1558	0.0525	0.95	0.3309
M_bin	1	-0.0803	0.0504	-0.1790	0.0184	2.54	0.1109
int	1	0.0618	0.0766	-0.0884	0.2120	0.65	0.4198
C	1	-0.0346	0.0189	-0.0717	0.0025	3.34	0.0675
Dispersion	1	0.0093	0.0157	0.0003	0.2569		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA164
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1105.6159	1.1112
Scaled Deviance	995	1105.6159	1.1112
Pearson Chi-Square	995	1004.2153	1.0093
Scaled Pearson X2	995	1004.2153	1.0093
Log Likelihood		174.3620	
Full Log Likelihood		-1954.2151	
AIC (smaller is better)		3920.4302	
AICC (smaller is better)		3920.5148	
BIC (smaller is better)		3949.8767	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001847	-0.001455	-0.001349	0.001408	-0.000395	6.7608E-7
Prm2	-0.001455	0.003258	0.001455	-0.003258	-1.74E-7	-5.554E-7
Prm3	-0.001349	0.001455	0.002879	-0.002863	-0.000107	6.345E-7
Prm4	0.001408	-0.003258	-0.002863	0.006362	0.0000472	1.1506E-6
Prm5	-0.000395	-1.74E-7	-0.000107	0.0000472	0.0003967	-9.336E-7
Dispersion	6.7608E-7	-5.554E-7	6.345E-7	1.1506E-6	-9.336E-7	0.0003102

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0023	0.0430	0.9181	1.0866	543.81	<.0001
A	1	0.1234	0.0571	0.0116	0.2353	4.68	0.0306
M_bin	1	0.0382	0.0537	-0.0669	0.1434	0.51	0.4761
int	1	-0.1675	0.0798	-0.3238	-0.0112	4.41	0.0357
C	1	0.0183	0.0199	-0.0208	0.0573	0.84	0.3593
Dispersion	1	0.0455	0.0176	0.0213	0.0972		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA165
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1101.2507	1.1068
Scaled Deviance	995	1101.2507	1.1068
Pearson Chi-Square	995	1000.4339	1.0055
Scaled Pearson X2	995	1000.4339	1.0055
Log Likelihood		181.2607	
Full Log Likelihood		-1925.7903	
AIC (smaller is better)		3863.5805	
AICC (smaller is better)		3863.6651	
BIC (smaller is better)		3893.0270	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001473	-0.0001210	-0.001127	0.001169	-0.000296	-1.158E-6
Prm2	-0.0001210	0.002888	0.001214	-0.002889	-3.673E-6	8.9734E-8
Prm3	-0.0001127	0.001214	0.002620	-0.002606	-0.000098	2.174E-6
Prm4	0.0001169	-0.002889	-0.002606	0.005850	0.0000506	-2.18E-6
Prm5	-0.000296	-3.673E-6	-0.000098	0.0000506	0.0003372	5.4054E-7
Dispersion	-1.158E-6	8.9734E-8	2.174E-6	-2.18E-6	5.4054E-7	0.0002588

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0952	0.0384	1.0200	1.1704	814.50	<.0001
A	1	0.0468	0.0537	-0.0586	0.1521	0.76	0.3842
M_bin	1	-0.0442	0.0512	-0.1445	0.0562	0.74	0.3884
int	1	-0.0326	0.0765	-0.1825	0.1174	0.18	0.6704
C	1	-0.0246	0.0184	-0.0606	0.0114	1.80	0.1799
Dispersion	1	0.0136	0.0161	0.0013	0.1379		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA166
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1107.7866	1.1134
Scaled Deviance	995	1107.7866	1.1134
Pearson Chi-Square	995	998.7740	1.0038
Scaled Pearson X2	995	998.7740	1.0038
Log Likelihood		209.4117	
Full Log Likelihood		-1918.5047	
AIC (smaller is better)		3849.0094	
AICC (smaller is better)		3849.0940	
BIC (smaller is better)		3878.4560	

WARNING: Negative of Hessian not positive definite.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001261	-0.0001037	-0.0000978	0.0001035	-0.0000249	0
Prm2	-0.0001037	0.002833	0.0001102	-0.0002834	-0.0000057	0
Prm3	-0.0000978	0.0001102	0.002440	-0.0002408	-0.0000137	0
Prm4	0.0001035	-0.0002834	-0.0002408	0.0005671	0.00000600	0
Prm5	-0.0000249	-0.0000057	-0.0000137	0.00000600	0.00003401	0
Dispersion	0	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1022	0.0355	1.0326	1.1718	963.44	<.0001
A	1	0.0035	0.0532	-0.1008	0.1079	0.00	0.9471
M_bin	1	-0.0018	0.0494	-0.0987	0.0950	0.00	0.9702
int	1	-0.0081	0.0753	-0.1557	0.1395	0.01	0.9140
C	1	-0.0305	0.0184	-0.0666	0.0056	2.74	0.0981
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA167
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1065.6067	1.0710
Scaled Deviance	995	1065.6067	1.0710
Pearson Chi-Square	995	1005.6758	1.0107
Scaled Pearson X2	995	1005.6758	1.0107
Log Likelihood		211.6535	
Full Log Likelihood		-1912.5966	
AIC (smaller is better)		3837.1931	
AICC (smaller is better)		3837.2777	
BIC (smaller is better)		3866.6397	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001312	-0.001038	-0.000945	0.0009907	-0.000300	1.5203E-7
Prm2	-0.001038	0.002680	0.001068	-0.002684	-0.000024	-3.085E-7
Prm3	-0.000945	0.001068	0.002473	-0.002453	-0.000134	2.1423E-7
Prm4	0.0009907	-0.002684	-0.002453	0.005840	0.0000806	-5.688E-7
Prm5	-0.000300	-0.000024	-0.000134	0.0000806	0.0003555	-7.213E-9
Dispersion	1.5203E-7	-3.085E-7	2.1423E-7	-5.688E-7	-7.213E-9	0.0002242

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1734	0.0362	1.1024	1.2444	1049.28	<.0001
A	1	-0.1072	0.0518	-0.2087	-0.0057	4.29	0.0384
M_bin	1	-0.1258	0.0497	-0.2232	-0.0283	6.40	0.0114
int	1	0.1042	0.0764	-0.0456	0.2540	1.86	0.1727
C	1	-0.0203	0.0189	-0.0572	0.0167	1.15	0.2827
Dispersion	1	0.0072	0.0150	0.0001	0.4313		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA168
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1114.9811	1.1206
Scaled Deviance	995	1114.9811	1.1206
Pearson Chi-Square	995	997.4089	1.0024
Scaled Pearson X2	995	997.4089	1.0024
Log Likelihood		141.9564	
Full Log Likelihood		-1934.6437	
AIC (smaller is better)		3881.2874	
AICC (smaller is better)		3881.3720	
BIC (smaller is better)		3910.7340	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001578	-0.001334	-0.001227	0.001296	-0.000277	-3.467E-7
Prm2	-0.001334	0.002972	0.001400	-0.002979	-0.000052	6.8922E-7
Prm3	-0.001227	0.001400	0.002810	-0.002762	-0.000196	5.2774E-7
Prm4	0.001296	-0.002979	-0.002762	0.006211	0.0001038	-1.241E-6
Prm5	-0.000277	-0.000052	-0.000196	0.0001038	0.0003749	4.1482E-8
Dispersion	-3.467E-7	6.8922E-7	5.2774E-7	-1.241E-6	4.1482E-8	0.0002940

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0638	0.0397	0.9859	1.1416	717.33	<.0001
A	1	0.0534	0.0545	-0.0534	0.1603	0.96	0.3271
M_bin	1	0.0643	0.0530	-0.0397	0.1682	1.47	0.2255
int	1	-0.1691	0.0788	-0.3235	-0.0146	4.60	0.0319
C	1	-0.0354	0.0194	-0.0734	0.0025	3.35	0.0673
Dispersion	1	0.0284	0.0171	0.0087	0.0927		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA169
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1109.3918	1.1150
Scaled Deviance	995	1109.3918	1.1150
Pearson Chi-Square	995	993.1411	0.9981
Scaled Pearson X2	995	993.1411	0.9981
Log Likelihood		209.2576	
Full Log Likelihood		-1945.4411	
AIC (smaller is better)		3902.8822	
AICC (smaller is better)		3902.9668	
BIC (smaller is better)		3932.3287	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001506	-0.001222	-0.001173	0.001205	-0.000281	1.3932E-6
Prm2	-0.001222	0.003134	0.001318	-0.003139	-0.000081	3.0978E-6
Prm3	-0.001173	0.001318	0.002594	-0.002577	-0.000144	2.6417E-6
Prm4	0.001205	-0.003139	-0.002577	0.006174	0.0001026	-4.405E-6
Prm5	-0.000281	-0.000081	-0.000144	0.0001026	0.0003599	-2.967E-6
Dispersion	1.3932E-6	3.0978E-6	2.6417E-6	-4.405E-6	-2.967E-6	0.0002801

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1018	0.0388	1.0258	1.1779	806.42	<.0001
A	1	0.1142	0.0560	0.0044	0.2239	4.16	0.0414
M_bin	1	-0.0043	0.0509	-0.1041	0.0955	0.01	0.9328
int	1	-0.1522	0.0786	-0.3062	0.0018	3.75	0.0527
C	1	-0.0432	0.0190	-0.0804	-0.0061	5.19	0.0227
Dispersion	1	0.0287	0.0167	0.0092	0.0900		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA170
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1077.8611	1.0833
Scaled Deviance	995	1077.8611	1.0833
Pearson Chi-Square	995	1004.6896	1.0097
Scaled Pearson X2	995	1004.6896	1.0097
Log Likelihood		235.9658	
Full Log Likelihood		-1941.2884	
AIC (smaller is better)		3894.5768	
AICC (smaller is better)		3894.6614	
BIC (smaller is better)		3924.0233	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001363	-0.001109	-0.001029	0.001097	-0.000294	1.6729E-7
Prm2	-0.001109	0.002762	0.001142	-0.002763	-0.000028	1.6113E-6
Prm3	-0.001029	0.001142	0.002571	-0.002541	-0.000131	1.6966E-6
Prm4	0.001097	-0.002763	-0.002541	0.006154	0.0000442	-2.084E-6
Prm5	-0.000294	-0.000028	-0.000131	0.0000442	0.0003747	-1.252E-6
Dispersion	1.6729E-7	1.6113E-6	1.6966E-6	-2.084E-6	-1.252E-6	0.0002648

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1061	0.0369	1.0337	1.1784	897.74	<.0001
A	1	0.1202	0.0526	0.0172	0.2232	5.23	0.0222
M_bin	1	-0.0511	0.0507	-0.1505	0.0483	1.01	0.3138
int	1	-0.1854	0.0784	-0.3392	-0.0317	5.59	0.0181
C	1	-0.0199	0.0194	-0.0578	0.0180	1.06	0.3041
Dispersion	1	0.0271	0.0163	0.0084	0.0879		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA171
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1098.5726	1.1041
Scaled Deviance	995	1098.5726	1.1041
Pearson Chi-Square	995	995.8667	1.0009
Scaled Pearson X2	995	995.8667	1.0009
Log Likelihood		191.8008	
Full Log Likelihood		-1925.1311	
AIC (smaller is better)		3862.2621	
AICC (smaller is better)		3862.3467	
BIC (smaller is better)		3891.7087	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001418	-0.001124	-0.001076	0.001138	-0.000299	2.7107E-7
Prm2	-0.001124	0.002823	0.001179	-0.002821	-0.000048	-9.686E-8
Prm3	-0.001076	0.001179	0.002567	-0.002545	-0.000105	3.2152E-7
Prm4	0.001138	-0.002821	-0.002545	0.005901	0.0000315	-1.382E-6
Prm5	-0.000299	-0.000048	-0.000105	0.0000315	0.0003515	-8.915E-8
Dispersion	2.7107E-7	-9.686E-8	3.2152E-7	-1.382E-6	-8.915E-8	0.0002521

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1039	0.0377	1.0301	1.1777	859.11	<.0001
A	1	0.0789	0.0531	-0.0252	0.1830	2.21	0.1375
M_bin	1	-0.1036	0.0507	-0.2029	-0.0043	4.18	0.0408
int	1	-0.0151	0.0768	-0.1656	0.1355	0.04	0.8445
C	1	-0.0191	0.0187	-0.0558	0.0176	1.04	0.3083
Dispersion	1	0.0147	0.0159	0.0018	0.1219		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA172
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1107.9368	1.1135
Scaled Deviance	995	1107.9368	1.1135
Pearson Chi-Square	995	996.9151	1.0019
Scaled Pearson X2	995	996.9151	1.0019
Log Likelihood		151.1189	
Full Log Likelihood		-1917.3745	
AIC (smaller is better)		3846.7491	
AICC (smaller is better)		3846.8337	
BIC (smaller is better)		3876.1956	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001454	-0.001213	-0.001080	0.001147	-0.000300	1.3423E-6
Prm2	-0.001213	0.003000	0.001208	-0.002999	4.7315E-6	1.4166E-6
Prm3	-0.001080	0.001208	0.002703	-0.002668	-0.000158	5.1687E-7
Prm4	0.001147	-0.002999	-0.002668	0.005907	0.0000760	-1.34E-6
Prm5	-0.000300	4.7315E-6	-0.000158	0.0000760	0.0003666	-1.919E-6
Dispersion	1.3423E-6	1.4166E-6	5.1687E-7	-1.34E-6	-1.919E-6	0.0002568

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.0645	0.0381	0.9898 1.1393	779.21	<.0001	
A	1	0.1054	0.0548	-0.0020 0.2127	3.70	0.0543	
M_bin	1	-0.0163	0.0520	-0.1182 0.0856	0.10	0.7534	
int	1	-0.1190	0.0769	-0.2697 0.0316	2.40	0.1215	
C	1	-0.0222	0.0191	-0.0597 0.0154	1.34	0.2471	
Dispersion	1	0.0116	0.0160	0.0008 0.1747			

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA173
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1083.5607	1.0890
Scaled Deviance	995	1083.5607	1.0890
Pearson Chi-Square	995	1006.3276	1.0114
Scaled Pearson X2	995	1006.3276	1.0114
Log Likelihood		175.4217	
Full Log Likelihood		-1912.4477	
AIC (smaller is better)		3836.8954	
AICC (smaller is better)		3836.9800	
BIC (smaller is better)		3866.3419	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001381	-0.001121	-0.001039	0.001103	-0.000287	-9.946E-7
Prm2	-0.001121	0.003045	0.001151	-0.003046	-0.000025	7.7885E-7
Prm3	-0.001039	0.001151	0.002583	-0.002555	-0.000124	5.5291E-7
Prm4	0.001103	-0.003046	-0.002555	0.005914	0.0000470	-8.256E-7
Prm5	-0.000287	-0.000025	-0.000124	0.0000470	0.0003444	5.6804E-7
Dispersion	-9.946E-7	7.7885E-7	5.5291E-7	-8.256E-7	5.6804E-7	0.0002363

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1268	0.0372	1.0539	1.1996	919.15	<.0001
A	1	0.0294	0.0552	-0.0787	0.1376	0.28	0.5936
M_bin	1	-0.1224	0.0508	-0.2220	-0.0228	5.80	0.0160
int	1	-0.0164	0.0769	-0.1672	0.1343	0.05	0.8308
C	1	-0.0136	0.0186	-0.0499	0.0228	0.53	0.4649
Dispersion	1	0.0102	0.0154	0.0005	0.1939		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA174
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1108.2172	1.1138
Scaled Deviance	995	1108.2172	1.1138
Pearson Chi-Square	995	1002.0464	1.0071
Scaled Pearson X2	995	1002.0464	1.0071
Log Likelihood		259.5855	
Full Log Likelihood		-1940.2639	
AIC (smaller is better)		3892.5278	
AICC (smaller is better)		3892.6124	
BIC (smaller is better)		3921.9743	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001436	-0.001152	-0.001115	0.001130	-0.000286	-5.173E-7
Prm2	-0.001152	0.002969	0.001260	-0.002976	-0.000097	1.0134E-7
Prm3	-0.001115	0.001260	0.002455	-0.002448	-0.000146	1.185E-7
Prm4	0.001130	-0.002976	-0.002448	0.005903	0.0001261	-1.141E-6
Prm5	-0.000286	-0.000097	-0.000146	0.0001261	0.0003854	6.6509E-7
Dispersion	-5.173E-7	1.0134E-7	1.185E-7	-1.141E-6	6.6509E-7	0.0002486

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1819	0.0379	1.1076	1.2562	972.59	<.0001
A	1	0.0077	0.0545	-0.0991	0.1145	0.02	0.8879
M_bin	1	-0.0424	0.0496	-0.1395	0.0547	0.73	0.3920
int	1	-0.1446	0.0768	-0.2952	0.0060	3.54	0.0598
C	1	-0.0483	0.0196	-0.0868	-0.0099	6.06	0.0138
Dispersion	1	0.0158	0.0158	0.0023	0.1114		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA175
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1102.0151	1.1076
Scaled Deviance	995	1102.0151	1.1076
Pearson Chi-Square	995	996.6893	1.0017
Scaled Pearson X2	995	996.6893	1.0017
Log Likelihood		289.7640	
Full Log Likelihood		-1970.1506	
AIC (smaller is better)		3952.3013	
AICC (smaller is better)		3952.3859	
BIC (smaller is better)		3981.7478	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001461	-0.001144	-0.001046	0.001132	-0.000347	5.9384E-7
Prm2	-0.001144	0.002982	0.001162	-0.002983	-0.000015	6.6795E-8
Prm3	-0.001046	0.001162	0.002706	-0.002674	-0.000127	2.7904E-7
Prm4	0.001132	-0.002983	-0.002674	0.006170	0.0000289	1.8128E-7
Prm5	-0.000347	-0.000015	-0.000127	0.0000289	0.0003964	-7.766E-7
Dispersion	5.9384E-7	6.6795E-8	2.7904E-7	1.8128E-7	-7.766E-7	0.0002822

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1702	0.0382	1.0953	1.2452	937.27	<.0001
A	1	-0.0578	0.0546	-0.1648	0.0492	1.12	0.2900
M_bin	1	-0.1505	0.0520	-0.2525	-0.0486	8.37	0.0038
int	1	0.0726	0.0786	-0.0813	0.2266	0.85	0.3553
C	1	0.0046	0.0199	-0.0344	0.0437	0.05	0.8156
Dispersion	1	0.0393	0.0168	0.0170	0.0908		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA176
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1105.3951	1.1109
Scaled Deviance	995	1105.3951	1.1109
Pearson Chi-Square	995	1000.1933	1.0052
Scaled Pearson X2	995	1000.1933	1.0052
Log Likelihood		190.8185	
Full Log Likelihood		-1928.1925	
AIC (smaller is better)		3868.3850	
AICC (smaller is better)		3868.4696	
BIC (smaller is better)		3897.8316	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001490	-0.001219	-0.001145	0.001221	-0.000312	-1.909E-6
Prm2	-0.001219	0.002712	0.001228	-0.002712	-8.038E-6	-5.738E-8
Prm3	-0.001145	0.001228	0.002571	-0.002548	-0.000096	2.5707E-6
Prm4	0.001221	-0.002712	-0.002548	0.005894	6.201E-6	-4.144E-7
Prm5	-0.000312	-8.038E-6	-0.000096	6.201E-6	0.0003684	8.0489E-7
Dispersion	-1.909E-6	-5.738E-8	2.5707E-6	-4.144E-7	8.0489E-7	0.0002595

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1196	0.0386	1.0439	1.1952	841.37	<.0001
A	1	0.0309	0.0521	-0.0712	0.1330	0.35	0.5528
M_bin	1	-0.0266	0.0507	-0.1260	0.0728	0.28	0.5998
int	1	-0.0883	0.0768	-0.2388	0.0622	1.32	0.2500
C	1	-0.0390	0.0192	-0.0767	-0.0014	4.14	0.0419
Dispersion	1	0.0142	0.0161	0.0015	0.1312		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA177
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1099.9285	1.1055
Scaled Deviance	995	1099.9285	1.1055
Pearson Chi-Square	995	999.2945	1.0043
Scaled Pearson X2	995	999.2945	1.0043
Log Likelihood		207.0308	
Full Log Likelihood		-1911.4514	
AIC (smaller is better)		3834.9028	
AICC (smaller is better)		3834.9874	
BIC (smaller is better)		3864.3493	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001380	-0.001121	-0.001022	0.001101	-0.000305	1.5755E-6
Prm2	-0.001121	0.002676	0.001105	-0.002675	0.0000135	-7.349E-7
Prm3	-0.001022	0.001105	0.002391	-0.002366	-0.000097	6.4065E-7
Prm4	0.001101	-0.002675	-0.002366	0.005732	8.7562E-6	2.2128E-6
Prm5	-0.000305	0.0000135	-0.000097	8.7562E-6	0.0003433	-2.049E-6
Dispersion	1.5755E-6	-7.349E-7	6.4065E-7	2.2128E-6	-2.049E-6	0.0002337

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1498	0.0371	1.0770	1.2226	958.17	<.0001
A	1	-0.0199	0.0517	-0.1213	0.0815	0.15	0.7000
M_bin	1	-0.1899	0.0489	-0.2857	-0.0940	15.08	0.0001
int	1	-0.0281	0.0757	-0.1765	0.1203	0.14	0.7108
C	1	0.0238	0.0185	-0.0125	0.0601	1.65	0.1988
Dispersion	1	0.0014	0.0153	0.0000	4491056		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA178
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1101.3897	1.1069
Scaled Deviance	995	1101.3897	1.1069
Pearson Chi-Square	995	1003.6508	1.0087
Scaled Pearson X2	995	1003.6508	1.0087
Log Likelihood		232.3246	
Full Log Likelihood		-1967.5206	
AIC (smaller is better)		3947.0412	
AICC (smaller is better)		3947.1258	
BIC (smaller is better)		3976.4878	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001539	-0.001267	-0.001174	0.001191	-0.000301	-2.664E-6
Prm2	-0.001267	0.003097	0.001328	-0.003109	-0.000050	2.6966E-6
Prm3	-0.001174	0.001328	0.002887	-0.002877	-0.000170	2.5665E-6
Prm4	0.001191	-0.003109	-0.002877	0.006374	0.0001481	-4.942E-6
Prm5	-0.000301	-0.000050	-0.000170	0.0001481	0.0003878	1.3707E-6
Dispersion	-2.664E-6	2.6966E-6	2.5665E-6	-4.942E-6	1.3707E-6	0.0003092

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1036	0.0392	1.0267	1.1805	791.41	<.0001
A	1	0.0446	0.0556	-0.0645	0.1536	0.64	0.4233
M_bin	1	-0.0750	0.0537	-0.1803	0.0303	1.95	0.1630
int	1	0.0694	0.0798	-0.0871	0.2259	0.76	0.3847
C	1	-0.0266	0.0197	-0.0652	0.0120	1.83	0.1764
Dispersion	1	0.0478	0.0176	0.0233	0.0983		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA179
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1080.6517	1.0861
Scaled Deviance	995	1080.6517	1.0861
Pearson Chi-Square	995	1004.0242	1.0091
Scaled Pearson X2	995	1004.0242	1.0091
Log Likelihood		250.9584	
Full Log Likelihood		-1919.4549	
AIC (smaller is better)		3850.9097	
AICC (smaller is better)		3850.9943	
BIC (smaller is better)		3880.3562	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001275	-0.0001060	-0.0000951	0.001024	-0.0000256	6.4991E-7
Prm2	-0.0001060	0.002602	0.001076	-0.002603	-0.000013	2.5078E-8
Prm3	-0.0000951	0.001076	0.002359	-0.002316	-0.000150	3.5762E-7
Prm4	0.001024	-0.002603	-0.002316	0.005804	0.0000581	-4.064E-7
Prm5	-0.0000256	-0.000013	-0.000150	0.0000581	0.0003215	-7.502E-7
Dispersion	6.4991E-7	2.5078E-8	3.5762E-7	-4.064E-7	-7.502E-7	0.0002228

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1255	0.0357	1.0555	1.1955	993.79	<.0001
A	1	0.0635	0.0510	-0.0365	0.1635	1.55	0.2132
M_bin	1	-0.0566	0.0486	-0.1518	0.0386	1.36	0.2438
int	1	-0.1831	0.0762	-0.3324	-0.0338	5.78	0.0162
C	1	-0.0082	0.0179	-0.0434	0.0269	0.21	0.6464
Dispersion	1	0.0041	0.0149	0.0000	5.2383		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA180
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1089.5754	1.0951
Scaled Deviance	995	1089.5754	1.0951
Pearson Chi-Square	995	994.8249	0.9998
Scaled Pearson X2	995	994.8249	0.9998
Log Likelihood		253.0473	
Full Log Likelihood		-1918.3723	
AIC (smaller is better)		3848.7445	
AICC (smaller is better)		3848.8291	
BIC (smaller is better)		3878.1910	

WARNING: The relative Hessian convergence criterion of 0.3487730204 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001234	-0.001003	-0.000867	0.0009430	-0.000286	0
Prm2	-0.001003	0.002697	0.0009655	-0.002691	0.0000289	0
Prm3	-0.000867	0.0009655	0.002450	-0.002417	-0.000122	0
Prm4	0.0009430	-0.002691	-0.002417	0.005671	0.0000372	0
Prm5	-0.000286	0.0000289	-0.000122	0.0000372	0.0003172	0
Dispersion	0	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1736	0.0351	1.1048	1.2425	1116.03	<.0001
A	1	-0.0448	0.0519	-0.1466	0.0570	0.74	0.3888
M_bin	1	-0.1591	0.0495	-0.2562	-0.0621	10.34	0.0013
int	1	0.0684	0.0753	-0.0792	0.2160	0.82	0.3638
C	1	-0.0116	0.0178	-0.0465	0.0233	0.42	0.5162
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA181
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1080.8890	1.0863
Scaled Deviance	995	1080.8890	1.0863
Pearson Chi-Square	995	995.6883	1.0007
Scaled Pearson X2	995	995.6883	1.0007
Log Likelihood		270.6074	
Full Log Likelihood		-1926.8338	
AIC (smaller is better)		3865.6676	
AICC (smaller is better)		3865.7522	
BIC (smaller is better)		3895.1141	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001288	-0.0001080	-0.0000996	0.001045	-0.000237	-6.774E-8
Prm2	-0.0001080	0.002551	0.001121	-0.002556	-0.000034	3.6987E-6
Prm3	-0.0000996	0.001121	0.002541	-0.002513	-0.000143	3.745E-7
Prm4	0.001045	-0.002556	-0.002513	0.005635	0.0000799	-3.498E-6
Prm5	-0.000237	-0.000034	-0.000143	0.0000799	0.0003095	-1.003E-6
Dispersion	-6.774E-8	3.6987E-6	3.745E-7	-3.498E-6	-1.003E-6	0.0002321

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1745	0.0359	1.1042	1.2449	1070.99	<.0001
A	1	0.0160	0.0505	-0.0829	0.1150	0.10	0.7509
M_bin	1	-0.0993	0.0504	-0.1981	-0.0005	3.88	0.0488
int	1	-0.0074	0.0751	-0.1545	0.1397	0.01	0.9216
C	1	-0.0455	0.0176	-0.0800	-0.0110	6.68	0.0097
Dispersion	1	0.0059	0.0152	0.0000	0.9162		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA182
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1089.3190	1.0948
Scaled Deviance	995	1089.3190	1.0948
Pearson Chi-Square	995	1008.7579	1.0138
Scaled Pearson X2	995	1008.7579	1.0138
Log Likelihood		209.7637	
Full Log Likelihood		-1965.0467	
AIC (smaller is better)		3942.0934	
AICC (smaller is better)		3942.1780	
BIC (smaller is better)		3971.5400	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001548	-0.001233	-0.001134	0.001216	-0.000354	-2.28E-6
Prm2	-0.001233	0.003241	0.001249	-0.003241	-0.000014	1.2834E-6
Prm3	-0.001134	0.001249	0.002762	-0.002732	-0.000128	1.4134E-6
Prm4	0.001216	-0.003241	-0.002732	0.006600	0.0000328	-3.437E-6
Prm5	-0.000354	-0.000014	-0.000128	0.0000328	0.0004129	1.7611E-6
Dispersion	-2.28E-6	1.2834E-6	1.4134E-6	-3.437E-6	1.7611E-6	0.0003136

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1538	0.0393	1.0767	1.2310	859.89	<.0001
A	1	-0.0475	0.0569	-0.1591	0.0641	0.70	0.4041
M_bin	1	-0.1349	0.0526	-0.2379	-0.0319	6.59	0.0102
int	1	0.1311	0.0812	-0.0281	0.2903	2.60	0.1066
C	1	-0.0275	0.0203	-0.0673	0.0123	1.83	0.1758
Dispersion	1	0.0540	0.0177	0.0284	0.1027		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA183
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1076.6244	1.0820
Scaled Deviance	995	1076.6244	1.0820
Pearson Chi-Square	995	976.7042	0.9816
Scaled Pearson X2	995	976.7042	0.9816
Log Likelihood		215.9902	
Full Log Likelihood		-1906.4046	
AIC (smaller is better)		3824.8091	
AICC (smaller is better)		3824.8937	
BIC (smaller is better)		3854.2557	

WARNING: The relative Hessian convergence criterion of 6.7860887367 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001390	-0.001102	-0.001025	0.001087	-0.000330	0
Prm2	-0.001102	0.002724	0.001052	-0.002721	0.0000458	0
Prm3	-0.001025	0.001052	0.002477	-0.002472	-0.000031	0
Prm4	0.001087	-0.002721	-0.002472	0.005635	-0.000031	0
Prm5	-0.000330	0.0000458	-0.000031	-0.000031	0.0003256	0
Dispersion	0	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1050	0.0373	1.0320	1.1781	878.54	<.0001
A	1	0.0071	0.0522	-0.0952	0.1094	0.02	0.8923
M_bin	1	-0.1356	0.0498	-0.2331	-0.0380	7.42	0.0064
int	1	0.0774	0.0751	-0.0697	0.2246	1.06	0.3024
C	1	0.0116	0.0180	-0.0238	0.0470	0.41	0.5198
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA184
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1108.8779	1.1145
Scaled Deviance	995	1108.8779	1.1145
Pearson Chi-Square	995	998.1994	1.0032
Scaled Pearson X2	995	998.1994	1.0032
Log Likelihood		146.6425	
Full Log Likelihood		-1948.4520	
AIC (smaller is better)		3908.9040	
AICC (smaller is better)		3908.9886	
BIC (smaller is better)		3938.3506	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001499	-0.001259	-0.001158	0.001255	-0.000289	-9.404E-7
Prm2	-0.001259	0.003239	0.001270	-0.003239	-8.737E-6	3.2653E-6
Prm3	-0.001158	0.001270	0.002688	-0.002643	-0.000134	3.7718E-6
Prm4	0.001255	-0.003239	-0.002643	0.006572	0.0000138	-4.972E-6
Prm5	-0.000289	-8.737E-6	-0.000134	0.0000138	0.0003590	-1.206E-6
Dispersion	-9.404E-7	3.2653E-6	3.7718E-6	-4.972E-6	-1.206E-6	0.0003203

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1034	0.0387	1.0275	1.1793	812.32	<.0001
A	1	0.0138	0.0569	-0.0977	0.1253	0.06	0.8083
M_bin	1	-0.0044	0.0518	-0.1060	0.0973	0.01	0.9330
int	1	-0.1149	0.0811	-0.2738	0.0440	2.01	0.1564
C	1	-0.0343	0.0189	-0.0715	0.0028	3.28	0.0700
Dispersion	1	0.0437	0.0179	0.0196	0.0975		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA185
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1130.1063	1.1358
Scaled Deviance	995	1130.1063	1.1358
Pearson Chi-Square	995	985.6474	0.9906
Scaled Pearson X2	995	985.6474	0.9906
Log Likelihood		337.8425	
Full Log Likelihood		-1941.7421	
AIC (smaller is better)		3895.4842	
AICC (smaller is better)		3895.5688	
BIC (smaller is better)		3924.9308	

WARNING: The relative Hessian convergence criterion of 1.5322775274 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001259	-0.001052	-0.000978	0.001050	-0.000250	0
Prm2	-0.001052	0.002774	0.001069	-0.002774	-0.000015	0
Prm3	-0.000978	0.001069	0.002356	-0.002325	-0.000110	0
Prm4	0.001050	-0.002774	-0.002325	0.005441	0.0000174	0
Prm5	-0.000250	-0.000015	-0.000110	0.0000174	0.0003192	0
Dispersion	0	0	0	0	0	0

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2169	0.0355	1.1473	1.2864	1175.97	<.0001
A	1	-0.0299	0.0527	-0.1331	0.0733	0.32	0.5704
M_bin	1	-0.0791	0.0485	-0.1743	0.0160	2.66	0.1031
int	1	-0.0052	0.0738	-0.1497	0.1394	0.00	0.9442
C	1	-0.0543	0.0179	-0.0893	-0.0192	9.22	0.0024
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA186
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1101.5792	1.1071
Scaled Deviance	995	1101.5792	1.1071
Pearson Chi-Square	995	1003.8757	1.0089
Scaled Pearson X2	995	1003.8757	1.0089
Log Likelihood		276.2338	
Full Log Likelihood		-1935.8805	
AIC (smaller is better)		3883.7610	
AICC (smaller is better)		3883.8456	
BIC (smaller is better)		3913.2075	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001394	-0.001119	-0.001076	0.001141	-0.000295	8.1875E-7
Prm2	-0.001119	0.002669	0.001143	-0.002668	-0.000022	4.0184E-7
Prm3	-0.001076	0.001143	0.002449	-0.002433	-0.000072	1.8027E-7
Prm4	0.001141	-0.002668	-0.002433	0.005618	-3.78E-6	-7.631E-7
Prm5	-0.000295	-0.000022	-0.000072	-3.78E-6	0.0003401	-9.067E-7
Dispersion	8.1875E-7	4.0184E-7	1.8027E-7	-7.631E-7	-9.067E-7	0.0002377

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1561	0.0373	1.0829	1.2292	958.92	<.0001
A	1	0.0268	0.0517	-0.0745	0.1280	0.27	0.6043
M_bin	1	-0.0887	0.0495	-0.1857	0.0083	3.21	0.0731
int	1	-0.0678	0.0750	-0.2147	0.0791	0.82	0.3659
C	1	-0.0190	0.0184	-0.0551	0.0172	1.06	0.3035
Dispersion	1	0.0078	0.0154	0.0002	0.3800		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA187
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1060.0457	1.0654
Scaled Deviance	995	1060.0457	1.0654
Pearson Chi-Square	995	976.8829	0.9818
Scaled Pearson X2	995	976.8829	0.9818
Log Likelihood		193.1197	
Full Log Likelihood		-1896.0268	
AIC (smaller is better)		3804.0536	
AICC (smaller is better)		3804.1382	
BIC (smaller is better)		3833.5002	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001351	-0.001127	-0.000996	0.001067	-0.000302	8.023E-10
Prm2	-0.001127	0.002793	0.001086	-0.002786	0.0000347	2.0391E-9
Prm3	-0.000996	0.001086	0.002474	-0.002445	-0.000122	1.2348E-9
Prm4	0.001067	-0.002786	-0.002445	0.005672	0.0000364	-4.679E-9
Prm5	-0.000302	0.0000347	-0.000122	0.0000364	0.0003606	-1.253E-9
Dispersion	8.023E-10	2.0391E-9	1.2348E-9	-4.679E-9	-1.253E-9	2.0081E-7

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1497	0.0367	1.0777	1.2217	978.71	<.0001
A	1	-0.0156	0.0528	-0.1192	0.0880	0.09	0.7674
M_bin	1	-0.0282	0.0497	-0.1257	0.0693	0.32	0.5707
int	1	-0.0600	0.0753	-0.2076	0.0876	0.63	0.4258
C	1	-0.0528	0.0190	-0.0900	-0.0156	7.72	0.0054
Dispersion	1	0.0000	0.0004	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA188
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1093.0387	1.0985
Scaled Deviance	995	1093.0387	1.0985
Pearson Chi-Square	995	1004.2438	1.0093
Scaled Pearson X2	995	1004.2438	1.0093
Log Likelihood		270.7798	
Full Log Likelihood		-1937.8761	
AIC (smaller is better)		3887.7522	
AICC (smaller is better)		3887.8368	
BIC (smaller is better)		3917.1987	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001440	-0.001176	-0.001074	0.001146	-0.000307	1.9796E-6
Prm2	-0.001176	0.002810	0.001160	-0.002808	0.0000134	1.0607E-6
Prm3	-0.001074	0.001160	0.002332	-0.002308	-0.000101	4.8668E-7
Prm4	0.001146	-0.002808	-0.002308	0.005945	0.0000207	-2.358E-6
Prm5	-0.000307	0.0000134	-0.000101	0.0000207	0.0003422	-2.136E-6
Dispersion	1.9796E-6	1.0607E-6	4.8668E-7	-2.358E-6	-2.136E-6	0.0002432

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1784	0.0379	1.1040	1.2528	964.35	<.0001
A	1	0.0162	0.0530	-0.0876	0.1201	0.09	0.7592
M_bin	1	-0.1162	0.0483	-0.2108	-0.0215	5.79	0.0161
int	1	-0.0639	0.0771	-0.2150	0.0873	0.69	0.4075
C	1	-0.0260	0.0185	-0.0623	0.0102	1.98	0.1598
Dispersion	1	0.0143	0.0156	0.0017	0.1211		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA189
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1101.8192	1.1074
Scaled Deviance	995	1101.8192	1.1074
Pearson Chi-Square	995	1013.0351	1.0181
Scaled Pearson X2	995	1013.0351	1.0181
Log Likelihood		192.0297	
Full Log Likelihood		-1945.7466	
AIC (smaller is better)		3903.4931	
AICC (smaller is better)		3903.5777	
BIC (smaller is better)		3932.9397	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001406	-0.001138	-0.001044	0.001096	-0.000293	1.2121E-7
Prm2	-0.001138	0.002946	0.001178	-0.002951	-0.000032	1.0372E-6
Prm3	-0.001044	0.001178	0.002735	-0.002709	-0.000147	8.5106E-7
Prm4	0.001096	-0.002951	-0.002709	0.006427	0.0000834	-1.213E-6
Prm5	-0.000293	-0.000032	-0.000147	0.0000834	0.0003551	-6.884E-7
Dispersion	1.2121E-7	1.0372E-6	8.5106E-7	-1.213E-6	-6.884E-7	0.0002942

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1603	0.0375	1.0868	1.2338	957.63	<.0001
A	1	0.0461	0.0543	-0.0603	0.1524	0.72	0.3961
M_bin	1	-0.1799	0.0523	-0.2824	-0.0774	11.83	0.0006
int	1	-0.0402	0.0802	-0.1973	0.1169	0.25	0.6160
C	1	-0.0256	0.0188	-0.0626	0.0113	1.85	0.1738
Dispersion	1	0.0385	0.0172	0.0161	0.0922		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA190
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1097.1066	1.1026
Scaled Deviance	995	1097.1066	1.1026
Pearson Chi-Square	995	991.2485	0.9962
Scaled Pearson X2	995	991.2485	0.9962
Log Likelihood		319.1592	
Full Log Likelihood		-1968.9426	
AIC (smaller is better)		3949.8851	
AICC (smaller is better)		3949.9697	
BIC (smaller is better)		3979.3317	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001479	-0.001225	-0.001136	0.001208	-0.000298	1.4416E-6
Prm2	-0.001225	0.003037	0.001231	-0.003038	-5.074E-6	1.8741E-6
Prm3	-0.001136	0.001231	0.002673	-0.002647	-0.000111	1.1655E-6
Prm4	0.001208	-0.003038	-0.002647	0.005990	0.0000250	-3.204E-6
Prm5	-0.000298	-5.074E-6	-0.000111	0.0000250	0.0003558	-2.074E-6
Dispersion	1.4416E-6	1.8741E-6	1.1655E-6	-3.204E-6	-2.074E-6	0.0002751

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1485	0.0385	1.0732	1.2239	891.70	<.0001
A	1	0.1154	0.0551	0.0074	0.2234	4.39	0.0363
M_bin	1	-0.0564	0.0517	-0.1577	0.0450	1.19	0.2756
int	1	-0.1695	0.0774	-0.3212	-0.0178	4.79	0.0286
C	1	-0.0269	0.0189	-0.0639	0.0101	2.04	0.1536
Dispersion	1	0.0344	0.0166	0.0134	0.0885		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA191
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1086.9993	1.0925
Scaled Deviance	995	1086.9993	1.0925
Pearson Chi-Square	995	999.2505	1.0043
Scaled Pearson X2	995	999.2505	1.0043
Log Likelihood		281.7916	
Full Log Likelihood		-1948.6098	
AIC (smaller is better)		3909.2197	
AICC (smaller is better)		3909.3043	
BIC (smaller is better)		3938.6662	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001264	-0.0001009	-0.000939	0.0009884	-0.000269	4.8147E-7
Prm2	-0.001009	0.002782	0.001076	-0.002787	-0.000055	3.84E-10
Prm3	-0.000939	0.001076	0.002425	-0.002399	-0.000145	8.3329E-8
Prm4	0.0009884	-0.002787	-0.002399	0.006085	0.0000816	-8.857E-8
Prm5	-0.000269	-0.000055	-0.000145	0.0000816	0.0003413	-5.016E-7
Dispersion	4.8147E-7	3.84E-10	8.3329E-8	-8.857E-8	-5.016E-7	0.0002521

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1280	0.0356	1.0583	1.1977	1006.66	<.0001
A	1	0.0436	0.0527	-0.0598	0.1470	0.68	0.4082
M_bin	1	-0.0562	0.0492	-0.1527	0.0403	1.30	0.2540
int	1	-0.1035	0.0780	-0.2564	0.0494	1.76	0.1846
C	1	-0.0069	0.0185	-0.0431	0.0293	0.14	0.7104
Dispersion	1	0.0219	0.0159	0.0053	0.0906		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA192
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1060.9917	1.0663
Scaled Deviance	995	1060.9917	1.0663
Pearson Chi-Square	995	1001.0006	1.0060
Scaled Pearson X2	995	1001.0006	1.0060
Log Likelihood		245.6025	
Full Log Likelihood		-1915.6876	
AIC (smaller is better)		3843.3752	
AICC (smaller is better)		3843.4597	
BIC (smaller is better)		3872.8217	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001316	-0.001049	-0.001010	0.001021	-0.000272	8.9824E-7
Prm2	-0.001049	0.002899	0.001129	-0.002906	-0.000071	8.3685E-7
Prm3	-0.001010	0.001129	0.002386	-0.002381	-0.000122	3.1682E-7
Prm4	0.001021	-0.002906	-0.002381	0.005722	0.0001074	-1.183E-6
Prm5	-0.000272	-0.000071	-0.000122	0.0001074	0.0003493	-1.164E-6
Dispersion	8.9824E-7	8.3685E-7	3.1682E-7	-1.183E-6	-1.164E-6	0.0002211

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1590	0.0363	1.0879	1.2301	1020.99	<.0001
A	1	0.0006	0.0538	-0.1050	0.1061	0.00	0.9918
M_bin	1	-0.1185	0.0488	-0.2143	-0.0228	5.89	0.0153
int	1	-0.0151	0.0756	-0.1634	0.1332	0.04	0.8419
C	1	-0.0144	0.0187	-0.0510	0.0223	0.59	0.4425
Dispersion	1	0.0041	0.0149	0.0000	5.2531		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA193
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1090.2871	1.0958
Scaled Deviance	995	1090.2871	1.0958
Pearson Chi-Square	995	994.1443	0.9991
Scaled Pearson X2	995	994.1443	0.9991
Log Likelihood		181.5539	
Full Log Likelihood		-1949.9810	
AIC (smaller is better)		3911.9619	
AICC (smaller is better)		3912.0465	
BIC (smaller is better)		3941.4085	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001603	-0.001306	-0.001213	0.001285	-0.000321	-8.926E-7
Prm2	-0.001306	0.003095	0.001356	-0.003097	-0.000042	1.2561E-6
Prm3	-0.001213	0.001356	0.002930	-0.002895	-0.000155	9.1289E-7
Prm4	0.001285	-0.003097	-0.002895	0.006317	0.0000668	-1.77E-6
Prm5	-0.000321	-0.000042	-0.000155	0.0000668	0.0003910	2.7925E-7
Dispersion	-8.926E-7	1.2561E-6	9.1289E-7	-1.77E-6	2.7925E-7	0.0003062

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1122	0.0400	1.0337	1.1907	771.47	<.0001
A	1	0.0507	0.0556	-0.0583	0.1597	0.83	0.3622
M_bin	1	-0.1049	0.0541	-0.2109	0.0012	3.75	0.0527
int	1	-0.0270	0.0795	-0.1828	0.1287	0.12	0.7337
C	1	-0.0164	0.0198	-0.0552	0.0223	0.69	0.4058
Dispersion	1	0.0431	0.0175	0.0195	0.0955		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA194
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1086.3047	1.0918
Scaled Deviance	995	1086.3047	1.0918
Pearson Chi-Square	995	997.9457	1.0030
Scaled Pearson X2	995	997.9457	1.0030
Log Likelihood		303.3078	
Full Log Likelihood		-1958.9250	
AIC (smaller is better)		3929.8500	
AICC (smaller is better)		3929.9346	
BIC (smaller is better)		3959.2966	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001581	-0.001305	-0.001182	0.001252	-0.000332	-2.681E-7
Prm2	-0.001305	0.002839	0.001265	-0.002834	0.0000332	1.3637E-6
Prm3	-0.001182	0.001265	0.002556	-0.002535	-0.000100	1.6527E-6
Prm4	0.001252	-0.002834	-0.002535	0.005880	0.0000239	-1.814E-6
Prm5	-0.000332	0.0000332	-0.000100	0.0000239	0.0003593	-7.425E-7
Dispersion	-2.681E-7	1.3637E-6	1.6527E-6	-1.814E-6	-7.425E-7	0.0002623

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1080	0.0398	1.0301	1.1860	776.46	<.0001
A	1	0.0788	0.0533	-0.0256	0.1833	2.19	0.1390
M_bin	1	0.0360	0.0506	-0.0631	0.1351	0.51	0.4763
int	1	-0.1506	0.0767	-0.3009	-0.0003	3.86	0.0496
C	1	-0.0288	0.0190	-0.0659	0.0084	2.30	0.1292
Dispersion	1	0.0263	0.0162	0.0079	0.0879		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA195
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1091.1005	1.0966
Scaled Deviance	995	1091.1005	1.0966
Pearson Chi-Square	995	1001.8458	1.0069
Scaled Pearson X2	995	1001.8458	1.0069
Log Likelihood		220.5763	
Full Log Likelihood		-1967.8207	
AIC (smaller is better)		3947.6414	
AICC (smaller is better)		3947.7260	
BIC (smaller is better)		3977.0880	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001572	-0.001285	-0.001145	0.001264	-0.000340	-4.245E-7
Prm2	-0.001285	0.003445	0.001278	-0.003445	5.5948E-6	1.7558E-6
Prm3	-0.001145	0.001278	0.002730	-0.002675	-0.000157	8.3883E-7
Prm4	0.001264	-0.003445	-0.002675	0.006594	0.0000180	-1.236E-6
Prm5	-0.000340	5.5948E-6	-0.000157	0.0000180	0.0003969	-4.239E-7
Dispersion	-4.245E-7	1.7558E-6	8.3883E-7	-1.236E-6	-4.239E-7	0.0003154

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1515	0.0396	1.0738	1.2292	843.71	<.0001
A	1	-0.0451	0.0587	-0.1601	0.0700	0.59	0.4425
M_bin	1	-0.0730	0.0522	-0.1754	0.0294	1.95	0.1624
int	1	0.0023	0.0812	-0.1569	0.1614	0.00	0.9777
C	1	-0.0223	0.0199	-0.0614	0.0167	1.26	0.2621
Dispersion	1	0.0526	0.0178	0.0272	0.1020		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA196
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1098.9404	1.1045
Scaled Deviance	995	1098.9404	1.1045
Pearson Chi-Square	995	996.1329	1.0011
Scaled Pearson X2	995	996.1329	1.0011
Log Likelihood		281.4191	
Full Log Likelihood		-1964.7496	
AIC (smaller is better)		3941.4992	
AICC (smaller is better)		3941.5838	
BIC (smaller is better)		3970.9458	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001401	-0.001172	-0.001076	0.001159	-0.000283	9.7543E-7
Prm2	-0.001172	0.003037	0.001175	-0.003037	-2.248E-6	1.7975E-6
Prm3	-0.001076	0.001175	0.002586	-0.002550	-0.000122	6.873E-8
Prm4	0.001159	-0.003037	-0.002550	0.006119	0.0000182	-3.326E-6
Prm5	-0.000283	-2.248E-6	-0.000122	0.0000182	0.0003522	-1.048E-6
Dispersion	9.7543E-7	1.7975E-6	6.873E-8	-3.326E-6	-1.048E-6	0.0002820

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1772	0.0374	1.1038	1.2505	989.34	<.0001
A	1	-0.0321	0.0551	-0.1401	0.0759	0.34	0.5605
M_bin	1	-0.0976	0.0509	-0.1972	0.0021	3.68	0.0550
int	1	0.0429	0.0782	-0.1104	0.1962	0.30	0.5831
C	1	-0.0337	0.0188	-0.0705	0.0031	3.22	0.0727
Dispersion	1	0.0343	0.0168	0.0131	0.0895		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA197
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1062.4427	1.0678
Scaled Deviance	995	1062.4427	1.0678
Pearson Chi-Square	995	1007.1911	1.0123
Scaled Pearson X2	995	1007.1911	1.0123
Log Likelihood		243.4001	
Full Log Likelihood		-1936.0813	
AIC (smaller is better)		3884.1625	
AICC (smaller is better)		3884.2471	
BIC (smaller is better)		3913.6091	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001419	-0.001187	-0.001110	0.001182	-0.000242	5.9206E-7
Prm2	-0.001187	0.002896	0.001297	-0.002898	-0.000086	4.6458E-7
Prm3	-0.001110	0.001297	0.002630	-0.002572	-0.000194	2.3305E-7
Prm4	0.001182	-0.002898	-0.002572	0.005964	0.0000928	-3.811E-7
Prm5	-0.000242	-0.000086	-0.000194	0.0000928	0.0003421	-7.91E-7
Dispersion	5.9206E-7	4.6458E-7	2.3305E-7	-3.811E-7	-7.91E-7	0.0002446

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1127	0.0377	1.0389	1.1866	872.86	<.0001
A	1	0.0421	0.0538	-0.0634	0.1475	0.61	0.4345
M_bin	1	-0.0685	0.0513	-0.1690	0.0320	1.78	0.1819
int	1	-0.0159	0.0772	-0.1672	0.1355	0.04	0.8372
C	1	-0.0116	0.0185	-0.0479	0.0246	0.40	0.5294
Dispersion	1	0.0230	0.0156	0.0061	0.0872		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA198
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1105.7785	1.1113
Scaled Deviance	995	1105.7785	1.1113
Pearson Chi-Square	995	999.7442	1.0048
Scaled Pearson X2	995	999.7442	1.0048
Log Likelihood		215.3753	
Full Log Likelihood		-1935.6550	
AIC (smaller is better)		3883.3101	
AICC (smaller is better)		3883.3946	
BIC (smaller is better)		3912.7566	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001569	-0.001298	-0.001182	0.001231	-0.000320	-1.07E-6
Prm2	-0.001298	0.003079	0.001267	-0.003073	0.0000253	3.7789E-6
Prm3	-0.001182	0.001267	0.002506	-0.002491	-0.000101	1.3585E-6
Prm4	0.001231	-0.003073	-0.002491	0.005900	0.0000469	-4.227E-6
Prm5	-0.000320	0.0000253	-0.000101	0.0000469	0.0003467	-2.722E-7
Dispersion	-1.07E-6	3.7789E-6	1.3585E-6	-4.227E-6	-2.722E-7	0.0002615

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1235	0.0396	1.0459	1.2012	804.40	<.0001
A	1	0.0183	0.0555	-0.0904	0.1270	0.11	0.7415
M_bin	1	-0.0008	0.0501	-0.0989	0.0974	0.00	0.9879
int	1	-0.0854	0.0768	-0.2359	0.0652	1.24	0.2664
C	1	-0.0380	0.0186	-0.0745	-0.0015	4.17	0.0412
Dispersion	1	0.0161	0.0162	0.0022	0.1155		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA199
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1105.1822	1.1107
Scaled Deviance	995	1105.1822	1.1107
Pearson Chi-Square	995	999.8513	1.0049
Scaled Pearson X2	995	999.8513	1.0049
Log Likelihood		203.7276	
Full Log Likelihood		-1919.5327	
AIC (smaller is better)		3851.0654	
AICC (smaller is better)		3851.1499	
BIC (smaller is better)		3880.5119	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001355	-0.001109	-0.001012	0.001104	-0.000297	-7.891E-7
Prm2	-0.001109	0.002985	0.001099	-0.002985	8.0755E-6	3.2029E-6
Prm3	-0.001012	0.001099	0.002387	-0.002355	-0.000105	3.8208E-6
Prm4	0.001104	-0.002985	-0.002355	0.005809	-2.587E-6	-8.031E-6
Prm5	-0.000297	8.0755E-6	-0.000105	-2.587E-6	0.0003498	-6.117E-7
Dispersion	-7.891E-7	3.2029E-6	3.8208E-6	-8.031E-6	-6.117E-7	0.0002470

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1408	0.0368	1.0687	1.2129	960.76	<.0001
A	1	0.0458	0.0546	-0.0613	0.1528	0.70	0.4022
M_bin	1	-0.0323	0.0489	-0.1281	0.0634	0.44	0.5080
int	1	-0.0876	0.0762	-0.2369	0.0618	1.32	0.2506
C	1	-0.0542	0.0187	-0.0909	-0.0176	8.41	0.0037
Dispersion	1	0.0042	0.0157	0.0000	6.9260		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1100
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1086.5564	1.0920
Scaled Deviance	995	1086.5564	1.0920
Pearson Chi-Square	995	1003.5184	1.0086
Scaled Pearson X2	995	1003.5184	1.0086
Log Likelihood		382.4158	
Full Log Likelihood		-1975.1797	
AIC (smaller is better)		3962.3595	
AICC (smaller is better)		3962.4441	
BIC (smaller is better)		3991.8060	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.001418	-0.001153	-0.001082	0.001118	-0.000291	6.8296E-8
Prm2	-0.001153	0.002917	0.001180	-0.002920	-0.000023	-4.511E-8
Prm3	-0.001082	0.001180	0.002626	-0.002613	-0.000107	-4.792E-7
Prm4	0.001118	-0.002920	-0.002613	0.005818	0.0000646	-3.028E-7
Prm5	-0.000291	-0.000023	-0.000107	0.0000646	0.0003457	2.6366E-7
Dispersion	6.8296E-8	-4.511E-8	-4.792E-7	-3.028E-7	2.6366E-7	0.0002519

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1661	0.0377	1.0923	1.2399	959.10	<.0001
A	1	0.0289	0.0540	-0.0770	0.1347	0.29	0.5931
M_bin	1	-0.0669	0.0512	-0.1674	0.0335	1.71	0.1914
int	1	0.0555	0.0763	-0.0940	0.2050	0.53	0.4665
C	1	-0.0366	0.0186	-0.0731	-0.0002	3.88	0.0488
Dispersion	1	0.0301	0.0159	0.0107	0.0846		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	100000
Number of Observations Used	100000

Parameter Information	
Parameter	Effect
Prm1	Intercept
Prm2	A
Prm3	M_bin
Prm4	int
Prm5	C

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	1E5	109777.1709	1.0978
Scaled Deviance	1E5	109777.1709	1.0978
Pearson Chi-Square	1E5	100030.7005	1.0004
Scaled Pearson X2	1E5	100030.7005	1.0004
Log Likelihood		22404.8879	
Full Log Likelihood		-194000.8839	
AIC (smaller is better)		388013.7678	
AICC (smaller is better)		388013.7687	
BIC (smaller is better)		388070.8454	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0000142	-0.000012	-0.000011	0.0000113	-2.923E-6	2.767E-10
Prm2	-0.000012	0.0000293	0.0000119	-0.000029	-2.445E-7	9.9302E-9
Prm3	-0.000011	0.0000119	0.0000258	-0.000026	-1.326E-6	8.0555E-9
Prm4	0.0000113	-0.000029	-0.000026	0.0000596	6.0038E-7	-1.79E-8
Prm5	-2.923E-6	-2.445E-7	-1.326E-6	6.0038E-7	3.545E-6	-4.455E-9
Dispersion	2.767E-10	9.9302E-9	8.0555E-9	-1.79E-8	-4.455E-9	2.6192E-6

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1292	0.0038	1.1219	1.1366	89971.3	<.0001
A	1	0.0188	0.0054	0.0082	0.0294	12.10	0.0005
M_bin	1	-0.0631	0.0051	-0.0730	-0.0531	154.34	<.0001
int	1	-0.0397	0.0077	-0.0549	-0.0246	26.46	<.0001
C	1	-0.0221	0.0019	-0.0258	-0.0184	137.60	<.0001
Dispersion	1	0.0211	0.0016	0.0182	0.0246		

The negative binomial dispersion parameter was estimated by maximum likelihood.

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50478
2	0	49522

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138622.30	136172.42
SC	138631.81	136200.95
-2 Log L	138620.30	136166.42

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2453.8804	2	<.0001	
Score	2426.2946	2	<.0001	
Wald	2372.3674	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3747	0.0107	1218.9960	<.0001
A	1	0.2204	0.0130	289.3024	<.0001
C	1	0.2932	0.00638	2108.8589	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.247	1.215	1.279
C	1.341	1.324	1.358

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.3	Somers' D	0.186
Percent Discordant	40.7	Gamma	0.186
Percent Tied	0.0	Tau-a	0.093
Pairs	2499771516	c	0.593

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.02131	0.061057	0.89836	1.12233
2	marginal pnde	1.00126	0.037713	0.93666	1.07466
3	marginal pnie	0.99663	0.003631	0.98629	1.00196
4	marginal tnde	0.99904	0.036621	0.93360	1.07419
5	marginal tnie	0.99447	0.005866	0.97820	1.00242
6	marginal total effect	0.99566	0.036376	0.93527	1.06917
7	conditional cde	1.02131	0.061057	0.89836	1.12233
8	conditional pnde	1.00135	0.037760	0.93660	1.07469
9	conditional pnie	0.99663	0.003630	0.98630	1.00196
10	conditional tnde	0.99913	0.036646	0.93402	1.07422
11	conditional tnie	0.99447	0.005866	0.97821	1.00241
12	conditional total effect	0.99575	0.036409	0.93554	1.06928

The PHREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	736	264	26.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9402.233	9370.140
AIC	9402.233	9378.140
SBC	9402.233	9396.545

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.0925	4	<.0001	
Score	31.9277	4	<.0001	
Wald	31.4136	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.10931	0.10482	1.0875	0.2970	0.896
M_bin	1	-0.30560	0.09820	9.6853	0.0019	0.737
int	1	-0.10526	0.15058	0.4887	0.4845	0.900
C	1	-0.03306	0.03650	0.8201	0.3651	0.967

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109874587	0.0043171344	-.0109112105	-.0004769033
M_bin	0.0043171344	0.0096427164	-.0094828624	-.0005790639
int	-.0109112105	-.0094828624	0.0226740016	0.0002746697
C	-.0004769033	-.0005790639	0.0002746697	0.0013324321

The PHREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	762	238	23.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9689.624	9662.934
AIC	9689.624	9670.934
SBC	9689.624	9689.478

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	26.6898	4	<.0001	
Score	26.7123	4	<.0001	
Wald	26.5875	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05630	0.10336	0.2967	0.5859	0.945
M_bin	1	-0.22086	0.09421	5.4958	0.0191	0.802
int	1	-0.02516	0.14830	0.0288	0.8653	0.975
C	1	-0.12333	0.03607	11.6896	0.0006	0.884

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0106840022	0.0040311796	-.0106906893	0.0001005601	
M_bin	0.0040311796	0.0088760523	-.0087341283	-.0003013964	
int	-.0106906893	-.0087341283	0.0219922647	-.0002307973	
C	0.0001005601	-.0003013964	-.0002307973	0.0013011278	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	723	277	27.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9256.282	9215.759
AIC	9256.282	9223.759
SBC	9256.282	9242.093

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	40.5225	4	<.0001	
Score	39.6133	4	<.0001	
Wald	39.0377	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.17043	0.11034	2.3859	0.1224	0.843
M_bin	1	-0.09587	0.09553	1.0072	0.3156	0.909
int	1	-0.24050	0.15461	2.4196	0.1198	0.786
C	1	-0.13340	0.03803	12.3064	0.0005	0.875

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0121739675	0.0045477950	-.0122162088	-.0003955352	
M_bin	0.0045477950	0.0091255261	-.0090815276	-.0006464391	
int	-.0122162088	-.0090815276	0.0239046842	0.0005626268	
C	-.0003955352	-.0006464391	0.0005626268	0.0014460259	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	748	252	25.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9535.434	9507.206
AIC	9535.434	9515.206
SBC	9535.434	9533.675

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	28.2284	4	<.0001	
Score	28.6349	4	<.0001	
Wald	28.4395	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12614	0.10848	1.3521	0.2449	0.881
M_bin	1	-0.23737	0.09684	6.0084	0.0142	0.789
int	1	0.01442	0.15031	0.0092	0.9236	1.015
C	1	-0.11249	0.03686	9.3119	0.0023	0.894

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0117672082	0.0042074156	-.0117362653	-.0003259697
M_bin	0.0042074156	0.0093775425	-.0091741846	-.0006199470
int	-.0117362653	-.0091741846	0.0225942099	0.0002173219
C	-.0003259697	-.0006199470	0.0002173219	0.0013588157

The PHREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	773	227	22.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9809.575	9773.365
AIC	9809.575	9781.365
SBC	9809.575	9799.966

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	36.2095	4	<.0001	
Score	36.0279	4	<.0001	
Wald	35.7076	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.02295	0.09915	0.0536	0.8169	0.977
M_bin	1	-0.17898	0.09570	3.4981	0.0614	0.836
int	1	-0.16737	0.14744	1.2886	0.2563	0.846
C	1	-0.13441	0.03526	14.5345	0.0001	0.874

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0098305386	0.0039898491	-.0097815795	-.0003663207
M_bin	0.0039898491	0.0091578795	-.0089800255	-.0005376606
int	-.0097815795	-.0089800255	0.0217395734	0.0001960378
C	-.0003663207	-.0005376606	0.0001960378	0.0012429483

The PHREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	748	252	25.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9535.431	9509.320
AIC	9535.431	9517.320
SBC	9535.431	9535.790

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	26.1109	4	<.0001	
Score	25.8087	4	<.0001	
Wald	25.6885	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.01561	0.10380	0.0226	0.8805	0.985
M_bin	1	0.05981	0.09707	0.3796	0.5378	1.062
int	1	-0.29538	0.14950	3.9037	0.0482	0.744
C	1	-0.14318	0.03670	15.2241	<.0001	0.867

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0107742885	0.0045293898	-.0108027348	-.0004800475
M_bin	0.0045293898	0.0094224146	-.0093979118	-.0006125039
int	-.0108027348	-.0093979118	0.0223512610	0.0005551618
C	-.0004800475	-.0006125039	0.0005551618	0.0013465568

The PHREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	771	229	22.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9787.879	9741.778
AIC	9787.879	9749.778
SBC	9787.879	9768.368

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	46.1013	4	<.0001	
Score	46.2213	4	<.0001	
Wald	45.6999	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.05000	0.10085	0.2459	0.6200	1.051
M_bin	1	-0.25995	0.09578	7.3661	0.0066	0.771
int	1	-0.19466	0.14584	1.7814	0.1820	0.823
C	1	-0.14734	0.03694	15.9133	<.0001	0.863

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101697504	0.0043083266	-.0101686035	-.0000084882
M_bin	0.0043083266	0.0091735432	-.0090765023	-.0001950540
int	-.0101686035	-.0090765023	0.0212699985	-.0002263404
C	-.0000084882	-.0001950540	-.0002263404	0.0013642084

The PHREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	737	263	26.30

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9413.247	9380.262
AIC	9413.247	9388.262
SBC	9413.247	9406.672

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.9856	4	<.0001	
Score	31.6318	4	<.0001	
Wald	31.1197	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.06761	0.10514	0.4135	0.5202	0.935
M_bin	1	-0.06525	0.09641	0.4580	0.4985	0.937
int	1	-0.33437	0.14990	4.9756	0.0257	0.716
C	1	-0.08992	0.03668	6.0085	0.0142	0.914

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0110540032	0.0044933027	-.0110210935	-.0001879981
M_bin	0.0044933027	0.0092958104	-.0091981339	-.0003246341
int	-.0110210935	-.0091981339	0.0224702560	-.0000128601
C	-.0001879981	-.0003246341	-.0000128601	0.0013456907

The PHREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	759	241	24.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9656.576	9628.686
AIC	9656.576	9636.686
SBC	9656.576	9655.214

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	27.8906	4	<.0001	
Score	28.0982	4	<.0001	
Wald	27.6986	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.28838	0.10130	8.1052	0.0044	1.334
M_bin	1	0.03272	0.09624	0.1156	0.7338	1.033
int	1	-0.60388	0.14781	16.6911	<.0001	0.547
C	1	-0.03941	0.03652	1.1642	0.2806	0.961

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0102608219	0.0043388905	-.0102725985	-.0001696728
M_bin	0.0043388905	0.0092615897	-.0091142324	-.0005167959
int	-.0102725985	-.0091142324	0.0218479602	0.0001510836
C	-.0001696728	-.0005167959	0.0001510836	0.0013339115

The PHREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	745	255	25.50

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9502.215	9483.625
AIC	9502.215	9491.625
SBC	9502.215	9510.079

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	18.5900	4	0.0009	
Score	18.3624	4	0.0010	
Wald	18.2523	4	0.0011	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09183	0.10638	0.7451	0.3880	0.912
M_bin	1	-0.08322	0.09746	0.7291	0.3932	0.920
int	1	-0.15491	0.14956	1.0727	0.3003	0.856
C	1	-0.08915	0.03687	5.8473	0.0156	0.915

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0113169293	0.0048284703	-.0113350007	-.0002303305
M_bin	0.0048284703	0.0094975992	-.0092590528	-.0007617750
int	-.0113350007	-.0092590528	0.0223694487	0.0003568927
C	-.0002303305	-.0007617750	0.0003568927	0.0013592090

The PHREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	752	248	24.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9579.751	9543.500
AIC	9579.751	9551.500
SBC	9579.751	9569.991

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	36.2510	4	<.0001	
Score	37.1503	4	<.0001	
Wald	36.9400	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.19982	0.10280	3.7787	0.0519	0.819
M_bin	1	-0.29305	0.09596	9.3269	0.0023	0.746
int	1	0.09739	0.14879	0.4284	0.5128	1.102
C	1	-0.15108	0.03654	17.0996	<.0001	0.860

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105669711	0.0042671953	-.0105843352	-.0000882319
M_bin	0.0042671953	0.0092074325	-.0091675268	-.0003826438
int	-.0105843352	-.0091675268	0.0221387622	0.0003045911
C	-.0000882319	-.0003826438	0.0003045911	0.0013348405

The PHREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	772	228	22.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9798.745	9767.732
AIC	9798.745	9775.732
SBC	9798.745	9794.328

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	31.0129	4	<.0001	
Score	30.8968	4	<.0001	
Wald	30.4804	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16985	0.10194	2.7760	0.0957	0.844
M_bin	1	-0.23200	0.09561	5.8882	0.0152	0.793
int	1	-0.09123	0.14694	0.3855	0.5347	0.913
C	1	-0.06660	0.03436	3.7577	0.0526	0.936

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0103917918	0.0042961840	-.0103926909	-.0003372459
M_bin	0.0042961840	0.0091409514	-.0089951183	-.0006098279
int	-.0103926909	-.0089951183	0.0215910355	0.0003577265
C	-.0003372459	-.0006098279	0.0003577265	0.0011803995

The PHREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	738	262	26.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9424.244	9387.660
AIC	9424.244	9395.660
SBC	9424.244	9414.076

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	36.5836	4	<.0001	
Score	37.0441	4	<.0001	
Wald	36.7080	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.11860	0.10288	1.3289	0.2490	0.888
M_bin	1	-0.31264	0.09780	10.2188	0.0014	0.732
int	1	0.03311	0.14993	0.0488	0.8252	1.034
C	1	-0.13862	0.03851	12.9565	0.0003	0.871

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105840494	0.0041960827	-.0105460826	-.0002723877
M_bin	0.0041960827	0.0095652644	-.0094619907	-.0003843920
int	-.0105460826	-.0094619907	0.0224775705	0.0000766382
C	-.0002723877	-.0003843920	0.0000766382	0.0014830075

The PHREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	784	216	21.60

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9928.425	9905.408
AIC	9928.425	9913.408
SBC	9928.425	9932.066

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.0170	4	0.0001	
Score	23.3109	4	0.0001	
Wald	23.1692	4	0.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.11735	0.10102	1.3494	0.2454	0.889
M_bin	1	-0.28905	0.09341	9.5754	0.0020	0.749
int	1	0.08396	0.14656	0.3282	0.5667	1.088
C	1	-0.08438	0.03502	5.8059	0.0160	0.919

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0102059097	0.0038588944	-.0101707762	-.0002945228
M_bin	0.0038588944	0.0087257196	-.0086437555	-.0003663616
int	-.0101707762	-.0086437555	0.0214798356	0.0001596471
C	-.0002945228	-.0003663616	0.0001596471	0.0012264788

The PHREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	750	250	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9557.494	9535.603
AIC	9557.494	9543.603
SBC	9557.494	9562.084

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.8910	4	0.0002	
Score	22.0481	4	0.0002	
Wald	21.9150	4	0.0002	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05039	0.10389	0.2352	0.6277	0.951
M_bin	1	-0.26362	0.09534	7.6454	0.0057	0.768
int	1	-0.01611	0.14924	0.0117	0.9140	0.984
C	1	-0.08176	0.03624	5.0887	0.0241	0.921

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0107929931	0.0044540213	-.0107853336	-.0002543132
M_bin	0.0044540213	0.0090897486	-.0089874196	-.0004654231
int	-.0107853336	-.0089874196	0.0222723858	0.0002216296
C	-.0002543132	-.0004654231	0.0002216296	0.0013136226

The PHREG Procedure

Model Information	
Data Set	WORK.DATA116
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	756	244	24.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9623.843	9578.887
AIC	9623.843	9586.887
SBC	9623.843	9605.399

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	44.9560	4	<.0001	
Score	45.9182	4	<.0001	
Wald	45.3426	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.23832	0.10509	5.1431	0.0233	0.788
M_bin	1	-0.24935	0.09597	6.7509	0.0094	0.779
int	1	-0.03712	0.15030	0.0610	0.8049	0.964
C	1	-0.13957	0.03762	13.7642	0.0002	0.870

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0110432019	0.0044144294	-.0111358558	-.0005189738
M_bin	0.0044144294	0.0092100867	-.0092126582	-.0007315316
int	-.0111358558	-.0092126582	0.0225912293	0.0007927027
C	-.0005189738	-.0007315316	0.0007927027	0.0014153292

The PHREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	757	243	24.30

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9634.547	9600.814
AIC	9634.547	9608.814
SBC	9634.547	9627.332

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	33.7327	4	<.0001	
Score	33.9559	4	<.0001	
Wald	33.4957	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.14390	0.10135	2.0161	0.1556	0.866
M_bin	1	-0.32513	0.09568	11.5459	0.0007	0.722
int	1	-0.02715	0.15065	0.0325	0.8570	0.973
C	1	-0.06860	0.03575	3.6819	0.0550	0.934

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0102711449	0.0038069754	-.0102893544	-.0002555188
M_bin	0.0038069754	0.0091552816	-.0090300284	-.0005810825
int	-.0102893544	-.0090300284	0.0226959311	0.0003615551
C	-.0002555188	-.0005810825	0.0003615551	0.0012779891

The PHREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	769	231	23.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9766.133	9728.509
AIC	9766.133	9736.509
SBC	9766.133	9755.089

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	37.6241	4	<.0001	
Score	37.6681	4	<.0001	
Wald	37.3344	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.00355	0.10056	0.0012	0.9718	1.004
M_bin	1	-0.27694	0.09533	8.4395	0.0037	0.758
int	1	-0.13157	0.14696	0.8016	0.3706	0.877
C	1	-0.12144	0.03619	11.2623	0.0008	0.886

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101118518	0.0040283357	-.0101137964	-.0001071325
M_bin	0.0040283357	0.0090879525	-.0090053376	-.0003525486
int	-.0101137964	-.0090053376	0.0215970141	0.0001511668
C	-.0001071325	-.0003525486	0.0001511668	0.0013093888

The PHREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	749	251	25.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9546.347	9506.604
AIC	9546.347	9514.604
SBC	9546.347	9533.079

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	39.7437	4	<.0001	
Score	39.8724	4	<.0001	
Wald	39.5337	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.07343	0.10089	0.5297	0.4667	1.076
M_bin	1	-0.26133	0.09640	7.3482	0.0067	0.770
int	1	-0.13777	0.14943	0.8501	0.3565	0.871
C	1	-0.14190	0.03683	14.8450	0.0001	0.868

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101787104	0.0040527620	-.0101303327	-.0002201871
M_bin	0.0040527620	0.0092938217	-.0091548611	-.0003467627
int	-.0101303327	-.0091548611	0.0223285593	-.0000860737
C	-.0002201871	-.0003467627	-.0000860737	0.0013563212

The PHREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	763	237	23.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9700.526	9667.299
AIC	9700.526	9675.299
SBC	9700.526	9693.848

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	33.2271	4	<.0001	
Score	33.0761	4	<.0001	
Wald	32.8468	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.24767	0.10368	5.7069	0.0169	0.781
M_bin	1	-0.11271	0.09370	1.4469	0.2290	0.893
int	1	-0.02027	0.14868	0.0186	0.8915	0.980
C	1	-0.13669	0.03651	14.0173	0.0002	0.872

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0107486577	0.0040623919	-.0107249788	-.0001570916
M_bin	0.0040623919	0.0087800418	-.0086527291	-.0004270031
int	-.0107249788	-.0086527291	0.0221054733	0.0000532641
C	-.0001570916	-.0004270031	0.0000532641	0.0013328702

The PHREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	734	266	26.60

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9379.738	9349.749
AIC	9379.738	9357.749
SBC	9379.738	9376.143

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	29.9887	4	<.0001	
Score	30.0787	4	<.0001	
Wald	29.8630	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.06560	0.10117	0.4205	0.5167	0.937
M_bin	1	-0.23506	0.09911	5.6252	0.0177	0.791
int	1	-0.02716	0.15071	0.0325	0.8570	0.973
C	1	-0.13178	0.03943	11.1694	0.0008	0.877

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0102346172	0.0040976034	-.0102147899	-.0001212317
M_bin	0.0040976034	0.0098224387	-.0095161559	-.0006076750
int	-.0102147899	-.0095161559	0.0227120588	-.0001414952
C	-.0001212317	-.0006076750	-.0001414952	0.0015548092

The PHREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	749	251	25.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9546.488	9510.583
AIC	9546.488	9518.583
SBC	9546.488	9537.058

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	35.9057	4	<.0001	
Score	36.4936	4	<.0001	
Wald	36.2299	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.06663	0.10209	0.4259	0.5140	0.936
M_bin	1	-0.30911	0.09823	9.9024	0.0017	0.734
int	1	0.00954	0.14779	0.0042	0.9485	1.010
C	1	-0.13931	0.03631	14.7229	0.0001	0.870

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0104226757	0.0043551528	-.0103889758	-.0002959418
M_bin	0.0043551528	0.0096490644	-.0096142986	-.0002582559
int	-.0103889758	-.0096142986	0.0218409634	0.0001538505
C	-.0002959418	-.0002582559	0.0001538505	0.0013182589

The PHREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	740	260	26.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9446.523	9424.319
AIC	9446.523	9432.319
SBC	9446.523	9450.746

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	22.2037	4	0.0002	
Score	22.0185	4	0.0002	
Wald	21.8911	4	0.0002	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.05651	0.10520	0.2885	0.5912	1.058
M_bin	1	-0.11069	0.09919	1.2452	0.2645	0.895
int	1	-0.24163	0.14951	2.6118	0.1061	0.785
C	1	-0.10182	0.03805	7.1596	0.0075	0.903

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0110679114	0.0046238940	-.0111122599	-.0003015588
M_bin	0.0046238940	0.0098394152	-.0096760328	-.0007754367
int	-.0111122599	-.0096760328	0.0223534058	0.0005027234
C	-.0003015588	-.0007754367	0.0005027234	0.0014480269

The PHREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	751	249	24.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9568.748	9533.451
AIC	9568.748	9541.451
SBC	9568.748	9559.936

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	35.2968	4	<.0001	
Score	35.0004	4	<.0001	
Wald	34.6912	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.10089	0.10311	0.9575	0.3278	0.904
M_bin	1	-0.17733	0.09674	3.3603	0.0668	0.838
int	1	-0.15593	0.14929	1.0910	0.2962	0.856
C	1	-0.12991	0.03585	13.1296	0.0003	0.878

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0106311181	0.0042148395	-.0106599342	-.0003285418
M_bin	0.0042148395	0.0093579976	-.0093346756	-.0004948159
int	-.0106599342	-.0093346756	0.0222873709	0.0004681147
C	-.0003285418	-.0004948159	0.0004681147	0.0012853480

The PHREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	757	243	24.30

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9634.799	9586.225
AIC	9634.799	9594.225
SBC	9634.799	9612.742

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	48.5747	4	<.0001	
Score	48.8631	4	<.0001	
Wald	48.2492	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16018	0.10055	2.5375	0.1112	0.852
M_bin	1	-0.25819	0.09756	7.0043	0.0081	0.772
int	1	-0.08634	0.14846	0.3382	0.5609	0.917
C	1	-0.15426	0.03744	16.9748	<.0001	0.857

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101110797	0.0041133997	-.0101271399	-.0002863142
M_bin	0.0041133997	0.0095173433	-.0094020422	-.0005747313
int	-.0101271399	-.0094020422	0.0220405681	0.0003647693
C	-.0002863142	-.0005747313	0.0003647693	0.0014017668

The PHREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	752	248	24.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9579.569	9562.477
AIC	9579.569	9570.477
SBC	9579.569	9588.968

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	17.0915	4	0.0019	
Score	16.8273	4	0.0021	
Wald	16.7338	4	0.0022	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.01942	0.10127	0.0368	0.8479	1.020
M_bin	1	-0.11187	0.09698	1.3308	0.2487	0.894
int	1	-0.21540	0.14795	2.1197	0.1454	0.806
C	1	-0.07611	0.03465	4.8255	0.0280	0.927

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0102561490	0.0044216442	-.0102678766	-.0001320166
M_bin	0.0044216442	0.0094042870	-.0093687017	-.0003183747
int	-.0102678766	-.0093687017	0.0218887240	0.0002355331
C	-.0001320166	-.0003183747	0.0002355331	0.0012003398

The PHREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	728	272	27.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9312.618	9278.592
AIC	9312.618	9286.592
SBC	9312.618	9304.953

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	34.0266	4	<.0001	
Score	33.4441	4	<.0001	
Wald	32.9378	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.14021	0.10380	1.8246	0.1768	0.869
M_bin	1	-0.21121	0.09932	4.5221	0.0335	0.810
int	1	-0.16989	0.15206	1.2482	0.2639	0.844
C	1	-0.08142	0.03710	4.8180	0.0282	0.922

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0107743680	0.0042351007	-.0108250626	-.0002925409
M_bin	0.0042351007	0.0098646993	-.0097866011	-.0006742812
int	-.0108250626	-.0097866011	0.0231233854	0.0005483964
C	-.0002925409	-.0006742812	0.0005483964	0.0013760838

The PHREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	740	260	26.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9446.611	9418.343
AIC	9446.611	9426.343
SBC	9446.611	9444.769

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	28.2684	4	<.0001	
Score	27.9387	4	<.0001	
Wald	27.5710	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.07980	0.10078	0.6270	0.4285	1.083
M_bin	1	-0.20369	0.09893	4.2392	0.0395	0.816
int	1	-0.27822	0.14938	3.4688	0.0625	0.757
C	1	-0.05419	0.03658	2.1945	0.1385	0.947

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101572657	0.0041916866	-.0101441932	-.0001396030
M_bin	0.0041916866	0.0097872739	-.0096429784	-.0004218435
int	-.0101441932	-.0096429784	0.0223148078	0.0000175396
C	-.0001396030	-.0004218435	0.0000175396	0.0013381031

The PHREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	762	238	23.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9689.590	9666.227
AIC	9689.590	9674.227
SBC	9689.590	9692.771

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.3625	4	0.0001	
Score	23.1775	4	0.0001	
Wald	23.0924	4	0.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.03624	0.10470	0.1198	0.7292	1.037
M_bin	1	-0.04546	0.09707	0.2193	0.6396	0.956
int	1	-0.24113	0.14755	2.6708	0.1022	0.786
C	1	-0.12919	0.03605	12.8440	0.0003	0.879

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109622758	0.0045455791	-.0110131187	-.0002810267
M_bin	0.0045455791	0.0094220856	-.0093253904	-.0006552348
int	-.0110131187	-.0093253904	0.0217709003	0.0005063788
C	-.0002810267	-.0006552348	0.0005063788	0.0012995246

The PHREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	718	282	28.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9199.907	9165.957
AIC	9199.907	9173.957
SBC	9199.907	9192.262

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	33.9508	4	<.0001	
Score	34.8849	4	<.0001	
Wald	34.4118	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.21927	0.10821	4.1063	0.0427	0.803
M_bin	1	-0.37082	0.09646	14.7798	0.0001	0.690
int	1	0.07780	0.15352	0.2568	0.6123	1.081
C	1	-0.07431	0.03681	4.0741	0.0435	0.928

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0117090993	0.0043400237	-.0117107592	-.0001672065
M_bin	0.0043400237	0.0093035987	-.0092024728	-.0004496131
int	-.0117107592	-.0092024728	0.0235681881	0.0002139220
C	-.0001672065	-.0004496131	0.0002139220	0.0013552334

The PHREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	736	264	26.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9402.046	9383.486
AIC	9402.046	9391.486
SBC	9402.046	9409.891

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	18.5599	4	0.0010	
Score	18.0187	4	0.0012	
Wald	17.8281	4	0.0013	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12393	0.10514	1.3894	0.2385	0.883
M_bin	1	-0.12786	0.09591	1.7772	0.1825	0.880
int	1	-0.15563	0.15110	1.0608	0.3030	0.856
C	1	-0.03996	0.03532	1.2800	0.2579	0.961

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0110538502	0.0041815293	-.0110106120	-.0002499546
M_bin	0.0041815293	0.0091991308	-.0090977302	-.0003822844
int	-.0110106120	-.0090977302	0.0228309100	0.0000801019
C	-.0002499546	-.0003822844	0.0000801019	0.0012474566

The PHREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	750	250	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9557.587	9521.497
AIC	9557.587	9529.497
SBC	9557.587	9547.977

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	36.0901	4	<.0001	
Score	36.1932	4	<.0001	
Wald	35.8999	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.03296	0.10280	0.1028	0.7485	0.968
M_bin	1	-0.20675	0.09794	4.4561	0.0348	0.813
int	1	-0.12354	0.14810	0.6959	0.4042	0.884
C	1	-0.14647	0.03818	14.7161	0.0001	0.864

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105668304	0.0042559523	-.0105624946	0.0000443014
M_bin	0.0042559523	0.0095926875	-.0093401417	-.0006399844
int	-.0105624946	-.0093401417	0.0219327420	0.0001036821
C	0.0000443014	-.0006399844	0.0001036821	0.0014578286

The PHREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	741	259	25.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9457.784	9415.506
AIC	9457.784	9423.506
SBC	9457.784	9441.938

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	42.2784	4	<.0001	
Score	42.0010	4	<.0001	
Wald	41.3462	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.14071	0.10421	1.8232	0.1769	0.869
M_bin	1	-0.23940	0.09697	6.0950	0.0136	0.787
int	1	-0.15147	0.15149	0.9997	0.3174	0.859
C	1	-0.11533	0.03734	9.5423	0.0020	0.891

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0108591730	0.0042804884	-.0108878234	-.0004621712
M_bin	0.0042804884	0.0094034666	-.0092956621	-.0007111785
int	-.0108878234	-.0092956621	0.0229486029	0.0005658417
C	-.0004621712	-.0007111785	0.0005658417	0.0013939593

The PHREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	738	262	26.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9424.295	9393.324
AIC	9424.295	9401.324
SBC	9424.295	9419.740

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	30.9711	4	<.0001	
Score	31.9138	4	<.0001	
Wald	31.6644	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.20692	0.10475	3.9019	0.0482	0.813
M_bin	1	-0.31860	0.09693	10.8037	0.0010	0.727
int	1	0.12271	0.15019	0.6675	0.4139	1.131
C	1	-0.10857	0.03612	9.0334	0.0027	0.897

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109729572	0.0043089536	-.0109635251	-.0002058314
M_bin	0.0043089536	0.0093957342	-.0092631246	-.0004656265
int	-.0109635251	-.0092631246	0.0225576675	0.0001651833
C	-.0002058314	-.0004656265	0.0001651833	0.0013048903

The PHREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	772	228	22.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9798.653	9780.520
AIC	9798.653	9788.520
SBC	9798.653	9807.116

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	18.1332	4	0.0012	
Score	17.5778	4	0.0015	
Wald	17.4551	4	0.0016	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.03478	0.10260	0.1149	0.7346	1.035
M_bin	1	0.06033	0.09415	0.4107	0.5216	1.062
int	1	-0.36697	0.14697	6.2349	0.0125	0.693
C	1	-0.07950	0.03346	5.6443	0.0175	0.924

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105262448	0.0045919905	-.0105264456	-.0002219605
M_bin	0.0045919905	0.0088635929	-.0088359664	-.0003333562
int	-.0105264456	-.0088359664	0.0215988885	0.0002357280
C	-.0002219605	-.0003333562	0.0002357280	0.0011198251

The PHREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	732	268	26.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9357.250	9324.974
AIC	9357.250	9332.974
SBC	9357.250	9351.357

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.2755	4	<.0001	
Score	31.8391	4	<.0001	
Wald	31.4817	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.02397	0.10412	0.0530	0.8179	1.024
M_bin	1	-0.18228	0.09862	3.4161	0.0646	0.833
int	1	-0.26811	0.15010	3.1905	0.0741	0.765
C	1	-0.10117	0.03652	7.6731	0.0056	0.904

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0108415749	0.0047543761	-.0108680391	-.0002003082
M_bin	0.0047543761	0.0097260657	-.0096172163	-.0005574179
int	-.0108680391	-.0096172163	0.0225311942	0.0003533020
C	-.0002003082	-.0005574179	0.0003533020	0.0013340067

The PHREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	746	254	25.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9513.340	9487.530
AIC	9513.340	9495.530
SBC	9513.340	9513.989

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.8093	4	<.0001	
Score	25.6562	4	<.0001	
Wald	25.5080	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.15626	0.10364	2.2730	0.1316	0.855
M_bin	1	-0.09969	0.09647	1.0677	0.3015	0.905
int	1	-0.10517	0.15039	0.4890	0.4844	0.900
C	1	-0.12668	0.03813	11.0383	0.0009	0.881

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0107419751	0.0044916880	-.0107552369	-.0002033730	
M_bin	0.0044916880	0.0093072941	-.0090922525	-.0007797093	
int	-.0107552369	-.0090922525	0.0226172515	0.0004082110	
C	-.0002033730	-.0007797093	0.0004082110	0.0014538552	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	754	246	24.60

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9601.680	9576.234
AIC	9601.680	9584.234
SBC	9601.680	9602.735

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.4459	4	<.0001	
Score	24.9107	4	<.0001	
Wald	24.6385	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05567	0.10321	0.2910	0.5896	0.946
M_bin	1	-0.19066	0.09381	4.1309	0.0421	0.826
int	1	-0.19342	0.14938	1.6765	0.1954	0.824
C	1	-0.07475	0.03534	4.4749	0.0344	0.928

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0106520028	0.0040954086	-.0106451632	0.0001011552	
M_bin	0.0040954086	0.0087996759	-.0087569078	-.0001356535	
int	-.0106451632	-.0087569078	0.0223153438	-.0001054456	
C	0.0001011552	-.0001356535	-.0001054456	0.0012485783	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	742	258	25.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9468.942	9433.608
AIC	9468.942	9441.608
SBC	9468.942	9460.045

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	35.3339	4	<.0001	
Score	36.5619	4	<.0001	
Wald	36.1160	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.24830	0.10206	5.9186	0.0150	0.780
M_bin	1	-0.37966	0.09869	14.7998	0.0001	0.684
int	1	0.13680	0.14958	0.8364	0.3604	1.147
C	1	-0.08191	0.03533	5.3754	0.0204	0.921

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0104170815	0.0041684484	-.0104190478	-.0002603632
M_bin	0.0041684484	0.0097392967	-.0096643911	-.0004352755
int	-.0104190478	-.0096643911	0.0223740243	0.0002898889
C	-.0002603632	-.0004352755	0.0002898889	0.0012482437

The PHREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	758	242	24.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9645.643	9600.028
AIC	9645.643	9608.028
SBC	9645.643	9626.551

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	45.6147	4	<.0001	
Score	43.6039	4	<.0001	
Wald	42.7962	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.02084	0.10219	0.0416	0.8384	1.021
M_bin	1	-0.03700	0.09536	0.1505	0.6980	0.964
int	1	-0.47299	0.14802	10.2111	0.0014	0.623
C	1	-0.11258	0.03563	9.9818	0.0016	0.894

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0104430058	0.0041983335	-.0104391483	-.0000648348	
M_bin	0.0041983335	0.0090932480	-.0089709486	-.0002967126	
int	-.0104391483	-.0089709486	0.0219095237	-.0001413394	
C	-.0000648348	-.0002967126	-.0001413394	0.0012698416	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	774	226	22.60

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9820.498	9790.760
AIC	9820.498	9798.760
SBC	9820.498	9817.366

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	29.7377	4	<.0001	
Score	30.3286	4	<.0001	
Wald	30.0252	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.25098	0.10218	6.0332	0.0140	0.778
M_bin	1	-0.27666	0.09276	8.8947	0.0029	0.758
int	1	0.08054	0.14800	0.2962	0.5863	1.084
C	1	-0.08729	0.03571	5.9735	0.0145	0.916

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0104402823	0.0038888916	-.0104361552	0.0000466182
M_bin	0.0038888916	0.0086050548	-.0084192251	-.0003767680
int	-.0104361552	-.0084192251	0.0219032988	-.0002046167
C	0.0000466182	-.0003767680	-.0002046167	0.0012754340

The PHREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	767	233	23.30

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9744.206	9700.462
AIC	9744.206	9708.462
SBC	9744.206	9727.032

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	43.7439	4	<.0001	
Score	43.5274	4	<.0001	
Wald	42.8924	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08560	0.09932	0.7427	0.3888	0.918
M_bin	1	-0.27855	0.09590	8.4366	0.0037	0.757
int	1	-0.14732	0.14791	0.9921	0.3192	0.863
C	1	-0.11276	0.03538	10.1577	0.0014	0.893

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0098648075	0.0039872072	-.0098099613	-.0003801497
M_bin	0.0039872072	0.0091966851	-.0090932697	-.0003976453
int	-.0098099613	-.0090932697	0.0218762392	0.0001989268
C	-.0003801497	-.0003976453	0.0001989268	0.0012518186

The PHREG Procedure

Model Information	
Data Set	WORK.DATA143
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	753	247	24.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9590.735	9557.537
AIC	9590.735	9565.537
SBC	9590.735	9584.033

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	33.1989	4	<.0001	
Score	33.4472	4	<.0001	
Wald	33.1059	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16878	0.10389	2.6393	0.1042	0.845
M_bin	1	-0.24667	0.09558	6.6602	0.0099	0.781
int	1	-0.03242	0.14934	0.0471	0.8281	0.968
C	1	-0.10846	0.03635	8.9044	0.0028	0.897

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0107926442	0.0040233507	-.0107685628	-.0002405975
M_bin	0.0040233507	0.0091359167	-.0090330403	-.0004128089
int	-.0107685628	-.0090330403	0.0223037202	0.0001413768
C	-.0002405975	-.0004128089	0.0001413768	0.0013210150

The PHREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	750	250	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9557.589	9543.820
AIC	9557.589	9551.820
SBC	9557.589	9570.300

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	13.7692	4	0.0081	
Score	13.9071	4	0.0076	
Wald	13.8427	4	0.0078	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12454	0.10159	1.5028	0.2202	0.883
M_bin	1	-0.22050	0.09684	5.1841	0.0228	0.802
int	1	0.03594	0.14952	0.0578	0.8101	1.037
C	1	-0.05563	0.03461	2.5839	0.1080	0.946

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0103212374	0.0040667948	-.0103564025	-.0001811332
M_bin	0.0040667948	0.0093788413	-.0093809932	-.0003959239
int	-.0103564025	-.0093809932	0.0223558846	0.0004359762
C	-.0001811332	-.0003959239	0.0004359762	0.0011977330

The PHREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	748	252	25.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9535.402	9508.378
AIC	9535.402	9516.378
SBC	9535.402	9534.847

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	27.0238	4	<.0001	
Score	26.5009	4	<.0001	
Wald	26.2933	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04357	0.10421	0.1748	0.6759	0.957
M_bin	1	-0.11710	0.09606	1.4859	0.2229	0.890
int	1	-0.22018	0.14951	2.1689	0.1408	0.802
C	1	-0.11101	0.03678	9.1111	0.0025	0.895

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0108594326	0.0044694273	-.0108720037	-.0002650378
M_bin	0.0044694273	0.0092277520	-.0091057634	-.0005943707
int	-.0108720037	-.0091057634	0.0223526344	0.0003413527
C	-.0002650378	-.0005943707	0.0003413527	0.0013526112

The PHREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	761	239	23.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9678.624	9635.394
AIC	9678.624	9643.394
SBC	9678.624	9661.933

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	43.2303	4	<.0001	
Score	43.0408	4	<.0001	
Wald	42.2731	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.01353	0.10145	0.0178	0.8939	0.987
M_bin	1	-0.31980	0.09557	11.1968	0.0008	0.726
int	1	-0.21147	0.14788	2.0449	0.1527	0.809
C	1	-0.08097	0.03623	4.9959	0.0254	0.922

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0102911455	0.0047318279	-.0102447131	-.0002708847	
M_bin	0.0047318279	0.0091342273	-.0090267807	-.0002955706	
int	-.0102447131	-.0090267807	0.0218688431	0.0000333569	
C	-.0002708847	-.0002955706	0.0000333569	0.0013124742	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	721	279	27.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9233.858	9190.834
AIC	9233.858	9198.834
SBC	9233.858	9217.156

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	43.0238	4	<.0001	
Score	42.9677	4	<.0001	
Wald	42.2885	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07202	0.10537	0.4672	0.4943	0.931
M_bin	1	-0.29729	0.09761	9.2764	0.0023	0.743
int	1	-0.16399	0.15218	1.1612	0.2812	0.849
C	1	-0.11159	0.03742	8.8915	0.0029	0.894

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0111022453	0.0042020918	-.0111024314	0.0000088028	
M_bin	0.0042020918	0.0095276783	-.0094197097	-.0003163430	
int	-.0111024314	-.0094197097	0.0231598774	-.0000210697	
C	0.0000088028	-.0003163430	-.0000210697	0.0014004316	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	733	267	26.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9368.506	9342.257
AIC	9368.506	9350.257
SBC	9368.506	9368.646

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	26.2490	4	<.0001	
Score	25.7058	4	<.0001	
Wald	25.4335	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07087	0.10210	0.4819	0.4876	0.932
M_bin	1	-0.13632	0.09958	1.8741	0.1710	0.873
int	1	-0.21088	0.15016	1.9724	0.1602	0.810
C	1	-0.09367	0.03825	5.9984	0.0143	0.911

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0104234092	0.0044014227	-.0104395175	-.0001098329
M_bin	0.0044014227	0.0099157085	-.0096941364	-.0007154139
int	-.0104395175	-.0096941364	0.0225468908	0.0002982153
C	-.0001098329	-.0007154139	0.0002982153	0.0014627201

The PHREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	717	283	28.30

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9188.694	9143.919
AIC	9188.694	9151.919
SBC	9188.694	9170.219

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	44.7749	4	<.0001	
Score	44.6165	4	<.0001	
Wald	43.7483	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12631	0.10522	1.4412	0.2299	0.881
M_bin	1	-0.34556	0.09617	12.9111	0.0003	0.708
int	1	-0.12901	0.15494	0.6933	0.4051	0.879
C	1	-0.08492	0.03615	5.5172	0.0188	0.919

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0110705848	0.0041166090	-.0110673944	-.0002651122
M_bin	0.0041166090	0.0092486549	-.0091585120	-.0004577280
int	-.0110673944	-.0091585120	0.0240075603	0.0002911290
C	-.0002651122	-.0004577280	0.0002911290	0.0013069452

The PHREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	737	263	26.30

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9413.114	9383.820
AIC	9413.114	9391.820
SBC	9413.114	9410.230

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	29.2939	4	<.0001	
Score	29.1982	4	<.0001	
Wald	28.8611	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.21237	0.10441	4.1373	0.0419	0.809
M_bin	1	-0.19537	0.09704	4.0535	0.0441	0.823
int	1	-0.07215	0.14966	0.2325	0.6297	0.930
C	1	-0.08986	0.03717	5.8442	0.0156	0.914

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109016162	0.0045342273	-.0108950289	0.0000019331
M_bin	0.0045342273	0.0094167140	-.0092519970	-.0004328162
int	-.0108950289	-.0092519970	0.0223966258	-.0000350642
C	0.0000019331	-.0004328162	-.0000350642	0.0013818247

The PHREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	761	239	23.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9678.526	9652.551
AIC	9678.526	9660.551
SBC	9678.526	9679.090

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.9745	4	<.0001	
Score	25.7409	4	<.0001	
Wald	25.4306	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09667	0.10299	0.8809	0.3480	0.908
M_bin	1	-0.24343	0.09565	6.4768	0.0109	0.784
int	1	-0.10546	0.14899	0.5011	0.4790	0.900
C	1	-0.04990	0.03594	1.9272	0.1651	0.951

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0106074963	0.0040489356	-.0105537539	-.0004179221
M_bin	0.0040489356	0.0091493964	-.0089654860	-.0006073341
int	-.0105537539	-.0089654860	0.0221967977	0.0002647137
C	-.0004179221	-.0006073341	0.0002647137	0.0012919733

The PHREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	769	231	23.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9766.125	9738.490
AIC	9766.125	9746.490
SBC	9766.125	9765.070

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	27.6353	4	<.0001	
Score	28.0248	4	<.0001	
Wald	27.8064	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.11316	0.10377	1.1891	0.2755	1.120
M_bin	1	-0.22467	0.09931	5.1177	0.0237	0.799
int	1	-0.18378	0.14678	1.5677	0.2105	0.832
C	1	-0.08633	0.03579	5.8167	0.0159	0.917

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0107684659	0.0047393298	-.0108286946	-.0006126946
M_bin	0.0047393298	0.0098627955	-.0098632478	-.0007130054
int	-.0108286946	-.0098632478	0.0215454387	0.0007441390
C	-.0006126946	-.0007130054	0.0007441390	0.0012812020

The PHREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	739	261	26.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9435.477	9401.160
AIC	9435.477	9409.160
SBC	9435.477	9427.581

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	34.3169	4	<.0001	
Score	33.3965	4	<.0001	
Wald	32.9492	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.06112	0.10312	0.3513	0.5534	1.063
M_bin	1	-0.13202	0.09578	1.9000	0.1681	0.876
int	1	-0.37082	0.15189	5.9604	0.0146	0.690
C	1	-0.10115	0.03533	8.1981	0.0042	0.904

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0106344135	0.0040855844	-.0106529721	-.0003171928
M_bin	0.0040855844	0.0091734317	-.0091232093	-.0004642442
int	-.0106529721	-.0091232093	0.0230703776	0.0003745335
C	-.0003171928	-.0004642442	0.0003745335	0.0012480515

The PHREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	769	231	23.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9766.062	9748.570
AIC	9766.062	9756.570
SBC	9766.062	9775.150

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	17.4920	4	0.0016	
Score	17.5915	4	0.0015	
Wald	17.5244	4	0.0015	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.06626	0.10083	0.4318	0.5111	0.936
M_bin	1	-0.25238	0.09686	6.7891	0.0092	0.777
int	1	0.07068	0.14599	0.2344	0.6283	1.073
C	1	-0.08275	0.03476	5.6668	0.0173	0.921

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101659061	0.0041282304	-.0101692020	0.0000476749
M_bin	0.0041282304	0.0093819709	-.0092927993	-.0002598581
int	-.0101692020	-.0092927993	0.0213130601	-.0001243162
C	0.0000476749	-.0002598581	-.0001243162	0.0012083319

The PHREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	759	241	24.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9656.836	9610.621
AIC	9656.836	9618.621
SBC	9656.836	9637.149

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	46.2158	4	<.0001	
Score	46.2709	4	<.0001	
Wald	45.4576	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.03040	0.09887	0.0946	0.7584	0.970
M_bin	1	-0.34835	0.09908	12.3608	0.0004	0.706
int	1	-0.15582	0.14755	1.1153	0.2909	0.856
C	1	-0.08263	0.03537	5.4566	0.0195	0.921

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0097748340	0.0043382259	-.0097641104	-.0003663414
M_bin	0.0043382259	0.0098173315	-.0096621351	-.0005553487
int	-.0097641104	-.0096621351	0.0217717149	0.0003321192
C	-.0003663414	-.0005553487	0.0003321192	0.0012513755

The PHREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	746	254	25.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9513.303	9480.519
AIC	9513.303	9488.519
SBC	9513.303	9506.978

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.7832	4	<.0001	
Score	32.4074	4	<.0001	
Wald	32.0561	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.08546	0.10281	0.6909	0.4059	1.089
M_bin	1	-0.15749	0.09621	2.6793	0.1017	0.854
int	1	-0.30899	0.14983	4.2529	0.0392	0.734
C	1	-0.10748	0.03604	8.8929	0.0029	0.898

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105702292	0.0043240887	-.0105781001	-.0002611429
M_bin	0.0043240887	0.0092568669	-.0091270548	-.0005332822
int	-.0105781001	-.0091270548	0.0224493626	0.0002727356
C	-.0002611429	-.0005332822	0.0002727356	0.0012990926

The PHREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	746	254	25.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9513.317	9489.610
AIC	9513.317	9497.610
SBC	9513.317	9516.069

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.7066	4	<.0001	
Score	23.6023	4	<.0001	
Wald	23.3723	4	0.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.11942	0.10397	1.3191	0.2507	1.127
M_bin	1	-0.15271	0.09679	2.4893	0.1146	0.858
int	1	-0.30684	0.14942	4.2167	0.0400	0.736
C	1	-0.06501	0.03655	3.1626	0.0753	0.937

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0108101771	0.0045450965	-.0108283400	-.0004084254
M_bin	0.0045450965	0.0093680149	-.0093219273	-.0005324162
int	-.0108283400	-.0093219273	0.0223275192	0.0004509321
C	-.0004084254	-.0005324162	0.0004509321	0.0013361982

The PHREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	749	251	25.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9546.558	9522.140
AIC	9546.558	9530.140
SBC	9546.558	9548.614

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	24.4188	4	<.0001	
Score	24.1841	4	<.0001	
Wald	24.0473	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.04036	0.10156	0.1579	0.6911	1.041
M_bin	1	-0.10632	0.09685	1.2052	0.2723	0.899
int	1	-0.23336	0.14931	2.4426	0.1181	0.792
C	1	-0.11948	0.03767	10.0580	0.0015	0.887

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0103144862	0.0041862373	-.0103159052	-.0002711820
M_bin	0.0041862373	0.0093791896	-.0092571768	-.0005516537
int	-.0103159052	-.0092571768	0.0222941451	0.0002644786
C	-.0002711820	-.0005516537	0.0002644786	0.0014192869

The PHREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	754	246	24.60

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9601.685	9562.250
AIC	9601.685	9570.250
SBC	9601.685	9588.752

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	39.4341	4	<.0001	
Score	41.5148	4	<.0001	
Wald	41.0012	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.34381	0.10304	11.1343	0.0008	0.709
M_bin	1	-0.37862	0.09789	14.9606	0.0001	0.685
int	1	0.25698	0.15004	2.9334	0.0868	1.293
C	1	-0.10309	0.03744	7.5809	0.0059	0.902

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0106164177	0.0041084768	-.0106684399	-.0002850547
M_bin	0.0041084768	0.0095819411	-.0094204472	-.0008147800
int	-.0106684399	-.0094204472	0.0225130182	0.0005614507
C	-.0002850547	-.0008147800	0.0005614507	0.0014018428

The PHREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	748	252	25.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9535.345	9509.161
AIC	9535.345	9517.161
SBC	9535.345	9535.630

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	26.1842	4	<.0001	
Score	25.9913	4	<.0001	
Wald	25.8422	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.01299	0.10273	0.0160	0.8994	1.013
M_bin	1	-0.12987	0.09783	1.7625	0.1843	0.878
int	1	-0.20839	0.14824	1.9761	0.1598	0.812
C	1	-0.12001	0.03637	10.8901	0.0010	0.887

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105528712	0.0045742209	-.0105717412	-.0002322053
M_bin	0.0045742209	0.0095697512	-.0094912976	-.0005167781
int	-.0105717412	-.0094912976	0.0219763354	0.0003394870
C	-.0002322053	-.0005167781	0.0003394870	0.0013225966

The PHREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	770	230	23.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9777.003	9750.865
AIC	9777.003	9758.865
SBC	9777.003	9777.451

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	26.1376	4	<.0001	
Score	26.2941	4	<.0001	
Wald	26.2346	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.04825	0.10478	0.2121	0.6451	1.049
M_bin	1	-0.14514	0.09487	2.3403	0.1261	0.865
int	1	-0.12972	0.14811	0.7672	0.3811	0.878
C	1	-0.13871	0.03614	14.7280	0.0001	0.870

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109778613	0.0042791808	-.0110198038	-.0004219835
M_bin	0.0042791808	0.0090006056	-.0089498217	-.0006140839
int	-.0110198038	-.0089498217	0.0219361257	0.0005493562
C	-.0004219835	-.0006140839	0.0005493562	0.0013064434

The PHREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	764	236	23.60

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9711.573	9690.025
AIC	9711.573	9698.025
SBC	9711.573	9716.579

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.5480	4	0.0002	
Score	20.5267	4	0.0004	
Wald	20.2609	4	0.0004	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.01324	0.10168	0.0169	0.8964	0.987
M_bin	1	-0.08977	0.09678	0.8603	0.3536	0.914
int	1	-0.30549	0.14729	4.3017	0.0381	0.737
C	1	-0.04246	0.03581	1.4064	0.2357	0.958

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0103390969	0.0047047642	-.0103095934	-.0004628065
M_bin	0.0047047642	0.0093667714	-.0092471992	-.0006075967
int	-.0103095934	-.0092471992	0.0216948277	0.0003853774
C	-.0004628065	-.0006075967	0.0003853774	0.0012820727

The PHREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	732	268	26.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9357.262	9305.025
AIC	9357.262	9313.025
SBC	9357.262	9331.408

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	52.2370	4	<.0001	
Score	52.9031	4	<.0001	
Wald	51.5522	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.28516	0.10577	7.2682	0.0070	0.752
M_bin	1	-0.37620	0.09622	15.2866	<.0001	0.686
int	1	-0.03132	0.15329	0.0417	0.8381	0.969
C	1	-0.05859	0.03632	2.6023	0.1067	0.943

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0111879059	0.0040155259	-.0111994277	-.0002701903
M_bin	0.0040155259	0.0092581796	-.0091193867	-.0006041953
int	-.0111994277	-.0091193867	0.0234980787	0.0003637292
C	-.0002701903	-.0006041953	0.0003637292	0.0013189418

The PHREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	751	249	24.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9568.550	9551.646
AIC	9568.550	9559.646
SBC	9568.550	9578.132

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	16.9032	4	0.0020	
Score	16.9265	4	0.0020	
Wald	16.8879	4	0.0020	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.06028	0.10009	0.3627	0.5470	1.062
M_bin	1	-0.17542	0.09959	3.1028	0.0782	0.839
int	1	-0.07353	0.14763	0.2481	0.6184	0.929
C	1	-0.10145	0.03650	7.7251	0.0054	0.904

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0100180369	0.0042840796	-.0100094162	-.0002708836
M_bin	0.0042840796	0.0099179097	-.0098964313	-.0002662638
int	-.0100094162	-.0098964313	0.0217957813	0.0002372541
C	-.0002708836	-.0002662638	0.0002372541	0.0013323103

The PHREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	768	232	23.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9755.308	9735.473
AIC	9755.308	9743.473
SBC	9755.308	9762.048

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	19.8356	4	0.0005	
Score	19.5903	4	0.0006	
Wald	19.5178	4	0.0006	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.01457	0.10438	0.0195	0.8890	1.015
M_bin	1	-0.02735	0.09514	0.0826	0.7738	0.973
int	1	-0.23105	0.14683	2.4763	0.1156	0.794
C	1	-0.11391	0.03594	10.0441	0.0015	0.892

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0108954822	0.0045688021	-.0108704724	-.0003101812
M_bin	0.0045688021	0.0090508040	-.0089386552	-.0005017893
int	-.0108704724	-.0089386552	0.0215580039	0.0002315185
C	-.0003101812	-.0005017893	0.0002315185	0.0012918790

The PHREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	733	267	26.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9368.500	9344.746
AIC	9368.500	9352.746
SBC	9368.500	9371.135

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.7538	4	<.0001	
Score	23.6536	4	<.0001	
Wald	23.4418	4	0.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04481	0.10864	0.1701	0.6800	0.956
M_bin	1	-0.21344	0.09496	5.0517	0.0246	0.808
int	1	-0.13369	0.15267	0.7668	0.3812	0.875
C	1	-0.07696	0.03618	4.5242	0.0334	0.926

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0118023837	0.0042752530	-.0117470410	-.0004640276
M_bin	0.0042752530	0.0090178574	-.0089586186	-.0004465769
int	-.0117470410	-.0089586186	0.0233091980	0.0003104604
C	-.0004640276	-.0004465769	0.0003104604	0.0013090515

The PHREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	729	271	27.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9323.893	9296.048
AIC	9323.893	9304.048
SBC	9323.893	9322.414

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	27.8449	4	<.0001	
Score	28.3322	4	<.0001	
Wald	28.0799	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05590	0.10615	0.2773	0.5985	0.946
M_bin	1	-0.32439	0.09928	10.6772	0.0011	0.723
int	1	0.00528	0.15011	0.0012	0.9719	1.005
C	1	-0.08489	0.03761	5.0951	0.0240	0.919

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0112677893	0.0046049951	-.0112750989	-.0001998721
M_bin	0.0046049951	0.0098556433	-.0097344534	-.0005421957
int	-.0112750989	-.0097344534	0.0225321760	0.0002588018
C	-.0001998721	-.0005421957	0.0002588018	0.0014142912

The PHREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	768	232	23.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9755.291	9731.036
AIC	9755.291	9739.036
SBC	9755.291	9757.612

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	24.2542	4	<.0001	
Score	24.3952	4	<.0001	
Wald	24.1917	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.00839	0.10027	0.0070	0.9333	1.008
M_bin	1	-0.27816	0.09860	7.9589	0.0048	0.757
int	1	-0.06763	0.14615	0.2141	0.6436	0.935
C	1	-0.06183	0.03574	2.9931	0.0836	0.940

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0100541264	0.0042777829	-.0100614805	-.0002580487
M_bin	0.0042777829	0.0097213851	-.0095595353	-.0005911460
int	-.0100614805	-.0095595353	0.0213612826	0.0002981041
C	-.0002580487	-.0005911460	0.0002981041	0.0012772819

The PHREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	760	240	24.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9667.684	9635.164
AIC	9667.684	9643.164
SBC	9667.684	9661.697

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.5208	4	<.0001	
Score	33.1578	4	<.0001	
Wald	32.6246	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.26176	0.10514	6.1990	0.0128	0.770
M_bin	1	-0.33419	0.09583	12.1612	0.0005	0.716
int	1	0.03918	0.14917	0.0690	0.7928	1.040
C	1	-0.01188	0.03722	0.1018	0.7496	0.988

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0110534471	0.0041793912	-.0110537767	-.0004892324
M_bin	0.0041793912	0.0091836529	-.0091504533	-.0005219978
int	-.0110537767	-.0091504533	0.0222514144	0.0005338859
C	-.0004892324	-.0005219978	0.0005338859	0.0013853226

The PHREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	756	244	24.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9623.699	9585.360
AIC	9623.699	9593.360
SBC	9623.699	9611.873

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	38.3390	4	<.0001	
Score	38.0867	4	<.0001	
Wald	37.3971	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.02397	0.10093	0.0564	0.8123	0.976
M_bin	1	-0.32285	0.09837	10.7708	0.0010	0.724
int	1	-0.19238	0.14727	1.7064	0.1915	0.825
C	1	-0.03710	0.03696	1.0076	0.3155	0.964

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101861316	0.0046241759	-.0101923851	-.0002860053
M_bin	0.0046241759	0.0096772771	-.0095223220	-.0005651099
int	-.0101923851	-.0095223220	0.0216884092	0.0003146750
C	-.0002860053	-.0005651099	0.0003146750	0.0013659697

The PHREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	741	259	25.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9457.711	9427.134
AIC	9457.711	9435.134
SBC	9457.711	9453.566

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	30.5763	4	<.0001	
Score	30.2192	4	<.0001	
Wald	29.8116	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.00855	0.10183	0.0070	0.9331	0.991
M_bin	1	-0.27691	0.09635	8.2602	0.0041	0.758
int	1	-0.16479	0.15108	1.1898	0.2754	0.848
C	1	-0.06095	0.03730	2.6697	0.1023	0.941

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0103694708	0.0041219474	-.0102911516	-.0003606040
M_bin	0.0041219474	0.0092826428	-.0090773927	-.0005179110
int	-.0102911516	-.0090773927	0.0228253220	0.0000585052
C	-.0003606040	-.0005179110	0.0000585052	0.0013916040

The PHREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	765	235	23.50

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9722.442	9694.497
AIC	9722.442	9702.497
SBC	9722.442	9721.056

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	27.9454	4	<.0001	
Score	27.4437	4	<.0001	
Wald	27.1675	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.03439	0.10293	0.1116	0.7383	0.966
M_bin	1	-0.16890	0.09455	3.1909	0.0740	0.845
int	1	-0.21413	0.14725	2.1146	0.1459	0.807
C	1	-0.09246	0.03573	6.6950	0.0097	0.912

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105940442	0.0042182709	-.0105613007	-.0002630934
M_bin	0.0042182709	0.0089402561	-.0088999423	-.0002213806
int	-.0105613007	-.0088999423	0.0216836426	0.0001202329
C	-.0002630934	-.0002213806	0.0001202329	0.0012767867

The PHREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	755	245	24.50

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9612.834	9578.001
AIC	9612.834	9586.001
SBC	9612.834	9604.508

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	34.8326	4	<.0001	
Score	35.0184	4	<.0001	
Wald	34.5714	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05002	0.09988	0.2508	0.6165	0.951
M_bin	1	-0.36836	0.09718	14.3671	0.0002	0.692
int	1	-0.03524	0.14875	0.0561	0.8127	0.965
C	1	-0.07108	0.03743	3.6068	0.0575	0.931

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0099757333	0.0043165135	-.0099618973	-.0004424244
M_bin	0.0043165135	0.0094446478	-.0093678576	-.0005229325
int	-.0099618973	-.0093678576	0.0221254892	0.0003986511
C	-.0004424244	-.0005229325	0.0003986511	0.0014006895

The PHREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	768	232	23.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9755.238	9731.440
AIC	9755.238	9739.440
SBC	9755.238	9758.015

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.7985	4	<.0001	
Score	24.1858	4	<.0001	
Wald	23.9895	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.23876	0.10674	5.0032	0.0253	0.788
M_bin	1	-0.21307	0.09366	5.1757	0.0229	0.808
int	1	0.04275	0.14873	0.0826	0.7738	1.044
C	1	-0.08009	0.03771	4.5101	0.0337	0.923

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0113943360	0.0040099096	-.0113854322	-.0000697432
M_bin	0.0040099096	0.0087715374	-.0086133438	-.0005242257
int	-.0113854322	-.0086133438	0.0221196039	0.0001563188
C	-.0000697432	-.0005242257	0.0001563188	0.0014223170

The PHREG Procedure

Model Information	
Data Set	WORK.DATA175
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	752	248	24.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9579.675	9543.650
AIC	9579.675	9551.650
SBC	9579.675	9570.141

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	36.0257	4	<.0001	
Score	35.8663	4	<.0001	
Wald	35.4515	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.04459	0.10193	0.1913	0.6618	1.046
M_bin	1	-0.24511	0.09671	6.4230	0.0113	0.783
int	1	-0.21248	0.14919	2.0286	0.1544	0.809
C	1	-0.09992	0.03558	7.8850	0.0050	0.905

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0103905782	0.0041617852	-.0103931888	-.0002851257	
M_bin	0.0041617852	0.0093535985	-.0092106864	-.0005563181	
int	-.0103931888	-.0092106864	0.0222562751	0.0003039041	
C	-.0002851257	-.0005563181	0.0003039041	0.0012661459	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	750	250	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9557.583	9510.935
AIC	9557.583	9518.935
SBC	9557.583	9537.416

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	46.6476	4	<.0001	
Score	46.1200	4	<.0001	
Wald	45.4745	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.20993	0.10321	4.1371	0.0420	1.234
M_bin	1	-0.06606	0.09611	0.4724	0.4919	0.936
int	1	-0.54619	0.14948	13.3518	0.0003	0.579
C	1	-0.14264	0.03739	14.5505	0.0001	0.867

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0106529544	0.0044192226	-.0107075452	-.0003138398
M_bin	0.0044192226	0.0092366458	-.0092111121	-.0005041307
int	-.0107075452	-.0092111121	0.0223431911	0.0004767328
C	-.0003138398	-.0005041307	0.0004767328	0.0013983441

The PHREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	760	240	24.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9667.702	9624.635
AIC	9667.702	9632.635
SBC	9667.702	9651.168

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	43.0669	4	<.0001	
Score	43.3489	4	<.0001	
Wald	43.0030	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.03721	0.10046	0.1372	0.7111	1.038
M_bin	1	-0.22732	0.09670	5.5265	0.0187	0.797
int	1	-0.15282	0.14838	1.0608	0.3030	0.858
C	1	-0.17084	0.03775	20.4787	<.0001	0.843

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0100914667	0.0039932125	-.0100872400	-.0002990231
M_bin	0.0039932125	0.0093500429	-.0092451958	-.0004892112
int	-.0100872400	-.0092451958	0.0220170708	0.0002826750
C	-.0002990231	-.0004892112	0.0002826750	0.0014252032

The PHREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	728	272	27.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9312.466	9275.482
AIC	9312.466	9283.482
SBC	9312.466	9301.843

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	36.9844	4	<.0001	
Score	36.8561	4	<.0001	
Wald	36.2712	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05831	0.10571	0.3043	0.5812	0.943
M_bin	1	-0.28304	0.09882	8.2030	0.0042	0.753
int	1	-0.17090	0.15065	1.2869	0.2566	0.843
C	1	-0.07407	0.03739	3.9241	0.0476	0.929

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0111744089	0.0046715617	-.0111697698	-.0000601732
M_bin	0.0046715617	0.0097658505	-.0093779048	-.0007375117
int	-.0111697698	-.0093779048	0.0226942042	0.0000704918
C	-.0000601732	-.0007375117	0.0000704918	0.0013980606

The PHREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	748	252	25.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9535.399	9489.772
AIC	9535.399	9497.772
SBC	9535.399	9516.242

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	45.6270	4	<.0001	
Score	44.3574	4	<.0001	
Wald	43.6469	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.04292	0.10591	0.1642	0.6853	1.044
M_bin	1	-0.17612	0.09302	3.5848	0.0583	0.839
int	1	-0.40719	0.15107	7.2652	0.0070	0.666
C	1	-0.11455	0.03533	10.5111	0.0012	0.892

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0112168266	0.0042181811	-.0112315288	-.0000943714
M_bin	0.0042181811	0.0086522612	-.0086285449	-.0002146416
int	-.0112315288	-.0086285449	0.0228218356	0.0001769906
C	-.0000943714	-.0002146416	0.0001769906	0.0012483107

The PHREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	780	220	22.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9885.475	9827.611
AIC	9885.475	9835.611
SBC	9885.475	9854.248

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	57.8644	4	<.0001	
Score	58.6706	4	<.0001	
Wald	57.8866	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12344	0.10557	1.3672	0.2423	0.884
M_bin	1	-0.31352	0.09330	11.2913	0.0008	0.731
int	1	-0.10294	0.14760	0.4864	0.4855	0.902
C	1	-0.15820	0.03693	18.3497	<.0001	0.854

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0111444217	0.0041445281	-.0111496253	-.0004204691
M_bin	0.0041445281	0.0087053304	-.0086247398	-.0005428743
int	-.0111496253	-.0086247398	0.0217851591	0.0004506524
C	-.0004204691	-.0005428743	0.0004506524	0.0013639262

The PHREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	728	272	27.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9312.489	9271.162
AIC	9312.489	9279.162
SBC	9312.489	9297.524

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	41.3264	4	<.0001	
Score	38.3858	4	<.0001	
Wald	37.4505	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.00898	0.10478	0.0073	0.9317	0.991
M_bin	1	-0.10186	0.09531	1.1421	0.2852	0.903
int	1	-0.47993	0.15391	9.7239	0.0018	0.619
C	1	-0.05831	0.03641	2.5639	0.1093	0.943

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109798626	0.0042680867	-.0109845428	-.0003697583
M_bin	0.0042680867	0.0090848342	-.0090031092	-.0005452347
int	-.0109845428	-.0090031092	0.0236874136	0.0003820582
C	-.0003697583	-.0005452347	0.0003820582	0.0013260466

The PHREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	750	250	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9557.669	9517.471
AIC	9557.669	9525.471
SBC	9557.669	9543.951

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	40.1979	4	<.0001	
Score	40.0999	4	<.0001	
Wald	39.2393	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.20293	0.10269	3.9049	0.0481	0.816
M_bin	1	-0.36652	0.09561	14.6969	0.0001	0.693
int	1	-0.06628	0.15066	0.1935	0.6600	0.936
C	1	0.01119	0.03738	0.0896	0.7647	1.011

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105458660	0.0038511750	-.0105349323	-.0000236142
M_bin	0.0038511750	0.0091406534	-.0088527497	-.0005991551
int	-.0105349323	-.0088527497	0.0226997720	0.0000030278
C	-.0000236142	-.0005991551	0.0000030278	0.0013972510

The PHREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	767	233	23.30

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9744.104	9714.216
AIC	9744.104	9722.216
SBC	9744.104	9740.786

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	29.8879	4	<.0001	
Score	30.7349	4	<.0001	
Wald	30.5744	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.20280	0.10207	3.9476	0.0469	0.816
M_bin	1	-0.25783	0.09505	7.3582	0.0067	0.773
int	1	0.11770	0.14794	0.6330	0.4263	1.125
C	1	-0.12881	0.03664	12.3604	0.0004	0.879

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0104186182	0.0039221010	-.0104145702	-.0001462041
M_bin	0.0039221010	0.0090340906	-.0088865294	-.0004941746
int	-.0104145702	-.0088865294	0.0218851918	0.0001335123
C	-.0001462041	-.0004941746	0.0001335123	0.0013423251

The PHREG Procedure

Model Information	
Data Set	WORK.DATA184
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	752	248	24.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9579.606	9557.013
AIC	9579.606	9565.013
SBC	9579.606	9583.504

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	22.5932	4	0.0002	
Score	22.9141	4	0.0001	
Wald	22.7909	4	0.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16968	0.10420	2.6516	0.1034	0.844
M_bin	1	-0.20994	0.09603	4.7790	0.0288	0.811
int	1	0.02260	0.14952	0.0228	0.8799	1.023
C	1	-0.09533	0.03472	7.5376	0.0060	0.909

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0108585676	0.0042524466	-.0108939124	-.0002800118
M_bin	0.0042524466	0.0092226758	-.0091779372	-.0005289160
int	-.0108939124	-.0091779372	0.0223570501	0.0004620811
C	-.0002800118	-.0005289160	0.0004620811	0.0012056307

The PHREG Procedure

Model Information	
Data Set	WORK.DATA185
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	763	237	23.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9700.547	9650.055
AIC	9700.547	9658.055
SBC	9700.547	9676.604

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	50.4916	4	<.0001	
Score	50.1589	4	<.0001	
Wald	49.2380	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.00809	0.09947	0.0066	0.9352	1.008
M_bin	1	-0.26539	0.09662	7.5442	0.0060	0.767
int	1	-0.25927	0.14803	3.0678	0.0799	0.772
C	1	-0.11345	0.03602	9.9221	0.0016	0.893

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0098944429	0.0041389775	-.0098886039	-.0001776240
M_bin	0.0041389775	0.0093360612	-.0090252452	-.0006626933
int	-.0098886039	-.0090252452	0.0219121030	0.0001234735
C	-.0001776240	-.0006626933	0.0001234735	0.0012971297

The PHREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	729	271	27.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9323.737	9289.142
AIC	9323.737	9297.142
SBC	9323.737	9315.508

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	34.5952	4	<.0001	
Score	34.5401	4	<.0001	
Wald	34.2816	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.12590	0.10376	1.4722	0.2250	1.134
M_bin	1	-0.15593	0.10114	2.3768	0.1232	0.856
int	1	-0.29956	0.15092	3.9397	0.0472	0.741
C	1	-0.13925	0.03752	13.7724	0.0002	0.870

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0107661589	0.0049796716	-.0108196504	-.0006933152
M_bin	0.0049796716	0.0102302316	-.0102806597	-.0006257107
int	-.0108196504	-.0102806597	0.0227772530	0.0008020314
C	-.0006933152	-.0006257107	0.0008020314	0.0014079834

The PHREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	748	252	25.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9535.425	9497.480
AIC	9535.425	9505.480
SBC	9535.425	9523.949

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	37.9452	4	<.0001	
Score	38.5746	4	<.0001	
Wald	38.0750	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08476	0.10276	0.6804	0.4094	0.919
M_bin	1	-0.43456	0.09567	20.6316	<.0001	0.648
int	1	0.06547	0.14906	0.1929	0.6605	1.068
C	1	-0.07870	0.03682	4.5684	0.0326	0.924

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0105593415	0.0042441914	-.0105447687	0.0002956210
M_bin	0.0042441914	0.0091531488	-.0090764520	-.0001581758
int	-.0105447687	-.0090764520	0.0222190908	-.0002240774
C	0.0002956210	-.0001581758	-.0002240774	0.0013559463

The PHREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	736	264	26.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9402.035	9363.074
AIC	9402.035	9371.074
SBC	9402.035	9389.479

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	38.9618	4	<.0001	
Score	38.5593	4	<.0001	
Wald	37.8959	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09094	0.10136	0.8050	0.3696	0.913
M_bin	1	-0.33619	0.09651	12.1360	0.0005	0.714
int	1	-0.11773	0.15303	0.5918	0.4417	0.889
C	1	-0.06686	0.03615	3.4214	0.0644	0.935

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0102746656	0.0036842207	-.0102654044	0.0001365210	
M_bin	0.0036842207	0.0093132702	-.0090945614	-.0004502760	
int	-.0102654044	-.0090945614	0.0234188261	-.0000894701	
C	0.0001365210	-.0004502760	-.0000894701	0.0013064825	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	740	260	26.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9446.752	9400.753
AIC	9446.752	9408.753
SBC	9446.752	9427.180

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	45.9984	4	<.0001	
Score	44.9270	4	<.0001	
Wald	43.9159	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09053	0.10016	0.8170	0.3661	0.913
M_bin	1	-0.31066	0.09725	10.2037	0.0014	0.733
int	1	-0.21918	0.15077	2.1133	0.1460	0.803
C	1	-0.07340	0.03767	3.7956	0.0514	0.929

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0100311410	0.0042099326	-.0100353279	-.0001448639
M_bin	0.0042099326	0.0094581986	-.0093220487	-.0005059132
int	-.0100353279	-.0093220487	0.0227319583	0.0002217884
C	-.0001448639	-.0005059132	0.0002217884	0.0014192815

The PHREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	756	244	24.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9623.823	9579.160
AIC	9623.823	9587.160
SBC	9623.823	9605.672

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	44.6625	4	<.0001	
Score	44.6620	4	<.0001	
Wald	44.1833	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05542	0.09895	0.3137	0.5754	0.946
M_bin	1	-0.29781	0.09946	8.9661	0.0028	0.742
int	1	-0.08782	0.14748	0.3546	0.5515	0.916
C	1	-0.14946	0.03847	15.0926	0.0001	0.861

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0097914115	0.0042564707	-.0096795568	-.0004857734
M_bin	0.0042564707	0.0098916915	-.0098175066	-.0003533681
int	-.0096795568	-.0098175066	0.0217514482	0.0001629648
C	-.0004857734	-.0003533681	0.0001629648	0.0014801452

The PHREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	753	247	24.70

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9590.794	9560.470
AIC	9590.794	9568.470
SBC	9590.794	9586.966

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	30.3247	4	<.0001	
Score	30.3692	4	<.0001	
Wald	30.2416	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.04279	0.10704	0.1598	0.6893	1.044
M_bin	1	-0.14125	0.09572	2.1776	0.1400	0.868
int	1	-0.19885	0.14855	1.7919	0.1807	0.820
C	1	-0.14373	0.03747	14.7123	0.0001	0.866

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0114566140	0.0046429458	-.0114477895	-.0002806501
M_bin	0.0046429458	0.0091622195	-.0090671934	-.0004850249
int	-.0114477895	-.0090671934	0.0220677775	0.0002312473
C	-.0002806501	-.0004850249	0.0002312473	0.0014041859

The PHREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	746	254	25.40

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9513.278	9477.303
AIC	9513.278	9485.303
SBC	9513.278	9503.762

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	35.9749	4	<.0001	
Score	35.5800	4	<.0001	
Wald	34.9386	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.09277	0.10074	0.8480	0.3571	1.097
M_bin	1	-0.23481	0.09938	5.5824	0.0181	0.791
int	1	-0.33615	0.14869	5.1111	0.0238	0.715
C	1	-0.03480	0.03731	0.8699	0.3510	0.966

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0101484202	0.0044428701	-.0101694780	-.0001182571
M_bin	0.0044428701	0.0098770047	-.0095994221	-.0007395079
int	-.0101694780	-.0095994221	0.0221078816	0.0002997774
C	-.0001182571	-.0007395079	0.0002997774	0.0013920761

The PHREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	761	239	23.90

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9678.512	9624.486
AIC	9678.512	9632.486
SBC	9678.512	9651.025

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	54.0258	4	<.0001	
Score	53.0740	4	<.0001	
Wald	52.1365	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.10574	0.09927	1.1347	0.2868	0.900
M_bin	1	-0.27459	0.09468	8.4112	0.0037	0.760
int	1	-0.21943	0.14968	2.1494	0.1426	0.803
C	1	-0.13929	0.03853	13.0661	0.0003	0.870

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0098536818	0.0038816952	-.0098323033	-.0002973195
M_bin	0.0038816952	0.0089643637	-.0088951367	-.0003705726
int	-.0098323033	-.0088951367	0.0224028203	0.0002087680
C	-.0002973195	-.0003705726	0.0002087680	0.0014848451

The PHREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	754	246	24.60

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9601.625	9581.866
AIC	9601.625	9589.866
SBC	9601.625	9608.367

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	19.7595	4	0.0006	
Score	20.1871	4	0.0005	
Wald	20.1321	4	0.0005	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.19599	0.10259	3.6494	0.0561	1.217
M_bin	1	-0.08231	0.09918	0.6887	0.4066	0.921
int	1	-0.23462	0.14762	2.5260	0.1120	0.791
C	1	-0.10723	0.03599	8.8747	0.0029	0.898

Estimated Covariance Matrix					
Parameter	A	M_bin	int	C	
A	0.0105252545	0.0044984137	-.0105763763	-.0002328675	
M_bin	0.0044984137	0.0098368775	-.0098023359	-.0005600434	
int	-.0105763763	-.0098023359	0.0217921796	0.0005171882	
C	-.0002328675	-.0005600434	0.0005171882	0.0012955530	

The PHREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	752	248	24.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9579.668	9545.172
AIC	9579.668	9553.172
SBC	9579.668	9571.663

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	34.4960	4	<.0001	
Score	34.4680	4	<.0001	
Wald	34.1937	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07334	0.10822	0.4592	0.4980	0.929
M_bin	1	-0.15760	0.09597	2.6966	0.1006	0.854
int	1	-0.17969	0.14971	1.4406	0.2300	0.836
C	1	-0.13394	0.03660	13.3911	0.0003	0.875

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0117126041	0.0046367408	-.0117515130	-.0004048571
M_bin	0.0046367408	0.0092106637	-.0091586789	-.0006214742
int	-.0117515130	-.0091586789	0.0224142962	0.0005459595
C	-.0004048571	-.0006214742	0.0005459595	0.0013396348

The PHREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	759	241	24.10

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9656.746	9604.642
AIC	9656.746	9612.642
SBC	9656.746	9631.170

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	52.1031	4	<.0001	
Score	48.5624	4	<.0001	
Wald	47.1158	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.02798	0.10189	0.0754	0.7836	1.028
M_bin	1	-0.15840	0.09250	2.9326	0.0868	0.854
int	1	-0.53073	0.15022	12.4819	0.0004	0.588
C	1	-0.04955	0.03541	1.9583	0.1617	0.952

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0103816146	0.0040830942	-.0103725489	-.0001657092
M_bin	0.0040830942	0.0085556460	-.0085188600	-.0001399160
int	-.0103725489	-.0085188600	0.0225665979	0.0000468937
C	-.0001657092	-.0001399160	0.0000468937	0.0012535619

The PHREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	758	242	24.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9645.721	9617.445
AIC	9645.721	9625.445
SBC	9645.721	9643.968

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	28.2759	4	<.0001	
Score	27.8697	4	<.0001	
Wald	27.6306	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04472	0.10484	0.1820	0.6697	0.956
M_bin	1	-0.12139	0.09440	1.6534	0.1985	0.886
int	1	-0.21463	0.14936	2.0650	0.1507	0.807
C	1	-0.11176	0.03510	10.1372	0.0015	0.894

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109909372	0.0046511890	-.0109476189	-.0004367545
M_bin	0.0046511890	0.0089118519	-.0088133791	-.0005235912
int	-.0109476189	-.0088133791	0.0223092935	0.0003085238
C	-.0004367545	-.0005235912	0.0003085238	0.0012322138

The PHREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	748	252	25.20

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9535.548	9509.926
AIC	9535.548	9517.926
SBC	9535.548	9536.396

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.6220	4	<.0001	
Score	25.7576	4	<.0001	
Wald	25.6589	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.000712	0.10587	0.0045	0.9463	0.993
M_bin	1	-0.13520	0.09436	2.0527	0.1519	0.874
int	1	-0.10601	0.15149	0.4897	0.4841	0.899
C	1	-0.14147	0.03663	14.9169	0.0001	0.868

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0112079686	0.0040729880	-.0112260521	-.0002312421
M_bin	0.0040729880	0.0089043581	-.0087694522	-.0006092939
int	-.0112260521	-.0087694522	0.0229500746	0.0003339426
C	-.0002312421	-.0006092939	0.0003339426	0.0013417636

The PHREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	752	248	24.80

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9579.609	9540.989
AIC	9579.609	9548.989
SBC	9579.609	9567.480

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	38.6203	4	<.0001	
Score	38.9154	4	<.0001	
Wald	38.3376	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.17286	0.10446	2.7384	0.0980	0.841
M_bin	1	-0.29654	0.09519	9.7046	0.0018	0.743
int	1	-0.07847	0.14908	0.2771	0.5986	0.925
C	1	-0.08921	0.03551	6.3112	0.0120	0.915

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0109119613	0.0043627931	-.0109155805	-.0002484626
M_bin	0.0043627931	0.0090614250	-.0089985865	-.0004193081
int	-.0109155805	-.0089985865	0.0222244517	0.0002956661
C	-.0002484626	-.0004193081	0.0002956661	0.0012611010

The PHREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1000	735	265	26.50

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9390.801	9351.657
AIC	9390.801	9359.657
SBC	9390.801	9378.057

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	39.1438	4	<.0001	
Score	39.7802	4	<.0001	
Wald	39.5128	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05613	0.10616	0.2795	0.5970	0.945
M_bin	1	-0.31820	0.09740	10.6723	0.0011	0.727
int	1	0.04559	0.15092	0.0913	0.7626	1.047
C	1	-0.14949	0.03576	17.4719	<.0001	0.861

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0112695914	0.0044390364	-.0112755728	-.0004553359
M_bin	0.0044390364	0.0094874495	-.0094477308	-.0005031997
int	-.0112755728	-.0094477308	0.0227774536	0.0004711197
C	-.0004553359	-.0005031997	0.0004711197	0.0012789860

The PHREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	100000
Number of Observations Used	100000

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
100000	75058	24942	24.94

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1647568.4	1644651.5
AIC	1647568.4	1644659.5
SBC	1647568.4	1644696.4

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2916.9249	4	<.0001	
Score	2898.1916	4	<.0001	
Wald	2870.6637	4	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05872	0.01029	32.5840	<.0001	0.943
M_bin	1	-0.21504	0.00963	499.1738	<.0001	0.807
int	1	-0.14293	0.01489	92.1123	<.0001	0.867
C	1	-0.09775	0.00363	723.8455	<.0001	0.907

Estimated Covariance Matrix				
Parameter	A	M_bin	int	C
A	0.0001058322	0.0000426197	-.0001058232	-.0000024521
M_bin	0.0000426197	0.0000926415	-.0000915380	-.0000048985
int	-.0001058232	-.0000915380	0.0002217725	0.0000025042
C	-.0000024521	-.0000048985	0.0000025042	0.0000131996

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50788
2	0	49212

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138606.60	136314.97
SC	138616.11	136343.51
-2 Log L	138604.60	136308.97

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2295.6281	2	<.0001	
Score	2271.5811	2	<.0001	
Wald	2224.3723	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3463	0.0107	1039.5527	<.0001
A	1	0.1977	0.0129	233.3015	<.0001
C	1	0.2858	0.00636	2018.0079	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.219	1.188	1.250
C	1.331	1.314	1.348

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	58.9	Somers' D	0.178
Percent Discordant	41.1	Gamma	0.178
Percent Tied	0.0	Tau-a	0.089
Pairs	2499379056	c	0.589

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.94913	0.10769	0.76969	1.21651
2	marginal pnde	0.89125	0.06997	0.77361	1.03668
3	marginal pnie	0.98934	0.00788	0.97094	1.00206
4	marginal tnde	0.88506	0.06784	0.77278	1.02407
5	marginal tnie	0.98263	0.01108	0.96209	1.00177
6	marginal total effect	0.87574	0.06894	0.76377	1.00872
7	conditional cde	0.94913	0.10769	0.76969	1.21651
8	conditional pnde	0.89152	0.07008	0.77364	1.03705
9	conditional pnie	0.98934	0.00788	0.97093	1.00206
10	conditional tnde	0.88534	0.06791	0.77282	1.02444
11	conditional tnie	0.98264	0.01107	0.96212	1.00177
12	conditional total effect	0.87602	0.06902	0.76371	1.01004

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50904
2	0	49096

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138598.75	136037.50
SC	138608.26	136066.04
-2 Log L	138596.75	136031.50

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2565.2473	2	<.0001	
Score	2535.2701	2	<.0001	
Wald	2476.5503	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3580	0.0108	1105.4133	<.0001
A	1	0.1823	0.0130	197.4045	<.0001
C	1	0.3072	0.00640	2303.6743	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.200	1.170	1.231
C	1.360	1.343	1.377

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.5	Somers' D	0.189
Percent Discordant	40.5	Gamma	0.189
Percent Tied	0.0	Tau-a	0.095
Pairs	2499182784	c	0.595

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0	0	0	0
2	marginal pnde	0	0	0	0
3	marginal pnie	0	0	0	0
4	marginal tnde	0	0	0	0
5	marginal tnie	0	0	0	0
6	marginal total effect	0	0	0	0
7	conditional cde	0	0	0	0
8	conditional pnde	0	0	0	0
9	conditional pnie	0	0	0	0
10	conditional tnde	0	0	0	0
11	conditional tnie	0	0	0	0
12	conditional total effect	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	750
Right Censored Values	250
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1517.989976

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3035.980
AIC (smaller is better)	3047.980
AICC (smaller is better)	3048.065
BIC (smaller is better)	3077.426

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2964.55
Weibull AIC (smaller is better)	-2952.55
Weibull AICC (smaller is better)	-2952.47
Weibull BIC (smaller is better)	-2923.11

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.2766	0.5990
M_bin	1	4.7522	0.0293
int	1	1.0230	0.3118
C	1	7.7202	0.0055

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2245	0.0698	-3.3613	-3.0878	2135.99	<.0001
A	1	0.0538	0.1023	-0.1467	0.2542	0.28	0.5990
M_bin	1	0.2088	0.0958	0.0211	0.3965	4.75	0.0293
int	1	0.1498	0.1481	-0.1405	0.4401	1.02	0.3118
C	1	0.1007	0.0363	0.0297	0.1718	7.72	0.0055
Scale	1	0.9938	0.0316	0.9337	1.0577		
Weibull Shape	1	1.0062	0.0320	0.9454	1.0710		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004868	-0.003929	-0.003747	0.003904	-0.000990	-0.000129
A	-0.003929	0.010458	0.004221	-0.010454	-0.000253	0.000043607
M_bin	-0.003747	0.004221	0.009174	-0.009050	-0.000505	0.000128
int	0.003904	-0.010454	-0.009050	0.021938	0.000272	0.000088614
C	-0.000990	-0.000253	-0.000505	0.000272	0.001314	0.000065142
Scale	-0.000129	0.000043607	0.000128	0.000088614	0.000065142	0.000999

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	1000
Number of Observations Used	1000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	507
2	0	493

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1388.098	1367.744
SC	1393.006	1382.468
-2 Log L	1386.098	1361.744

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	24.3540	2	<.0001	
Score	24.0825	2	<.0001	
Wald	23.5508	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3621	0.1076	11.3301	0.0008
A	1	0.2052	0.1295	2.5100	0.1131
C	1	0.2944	0.0638	21.3293	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.228	0.953	1.583
C	1.342	1.185	1.521

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.2	Somers' D	0.184
Percent Discordant	40.8	Gamma	0.184
Percent Tied	0.0	Tau-a	0.092
Pairs	249951	c	0.592

Obs	effect	Estimate	p_value	_95_CI_lower	_95_CI_upper
1	marginal cde	1.05525	0.59897	0.86359	1.28945
2	marginal pnde	1.14690	0.06789	0.98997	1.32872
3	marginal pnie	1.01069	0.19835	0.99445	1.02720
4	marginal tnde	1.15551	0.05929	0.99435	1.34279
5	marginal tnie	1.01827	0.15397	0.99324	1.04394
6	marginal total effect	1.16786	0.04276	1.00507	1.35702
7	conditional cde	1.05525	0.59897	0.86359	1.28945
8	conditional pnde	1.14653	0.06836	0.98975	1.32815
9	conditional pnie	1.01070	0.19840	0.99444	1.02722
10	conditional tnde	1.15514	0.05958	0.99419	1.34216
11	conditional tnie	1.01829	0.15405	0.99322	1.04399
12	conditional total effect	1.16750	0.04300	1.00489	1.35643

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	783
Right Censored Values	217
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1532.424111

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3064.848
AIC (smaller is better)	3076.848
AICC (smaller is better)	3076.933
BIC (smaller is better)	3106.295

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3212.18
Weibull AIC (smaller is better)	-3200.18
Weibull AICC (smaller is better)	-3200.10
Weibull BIC (smaller is better)	-3170.74

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.0157	0.3135
M_bin	1	3.4155	0.0646
int	1	2.8699	0.0903
C	1	12.4711	0.0004

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3447	0.0691	-3.4802	-3.2093	2341.84	<.0001
A	1	0.0989	0.0982	-0.0935	0.2913	1.02	0.3135
M_bin	1	0.1719	0.0930	-0.0104	0.3543	3.42	0.0646
int	1	0.2416	0.1426	-0.0379	0.5212	2.87	0.0903
C	1	0.1328	0.0376	0.0591	0.2065	12.47	0.0004
Scale	1	0.9797	0.0305	0.9217	1.0413		
Weibull Shape	1	1.0207	0.0318	0.9603	1.0850		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004777	-0.003922	-0.003633	0.003875	-0.000998	-0.000190
A	-0.003922	0.009634	0.004152	-0.009622	-0.000200	0.000077026
M_bin	-0.003633	0.004152	0.008656	-0.008441	-0.000625	0.000128
int	0.003875	-0.009622	-0.008441	0.020345	0.000229	0.000091650
C	-0.000998	-0.000200	-0.000625	0.000229	0.001414	0.000062309
Scale	-0.000190	0.000077026	0.000128	0.000091650	0.000062309	0.000931

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	753
Right Censored Values	247
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1528.913141

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3057.826
AIC (smaller is better)	3069.826
AICC (smaller is better)	3069.911
BIC (smaller is better)	3099.273

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2994.48
Weibull AIC (smaller is better)	-2982.48
Weibull AICC (smaller is better)	-2982.40
Weibull BIC (smaller is better)	-2953.03

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1978	0.2738
M_bin	1	6.4638	0.0110
int	1	0.0077	0.9300
C	1	2.5291	0.1118

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2141	0.0719	-3.3551	-3.0731	1996.83	<.0001
A	1	0.1165	0.1064	-0.0921	0.3251	1.20	0.2738
M_bin	1	0.2421	0.0952	0.0555	0.4288	6.46	0.0110
int	1	0.0131	0.1497	-0.2802	0.3065	0.01	0.9300
C	1	0.0566	0.0356	-0.0132	0.1263	2.53	0.1118
Scale	1	1.0042	0.0318	0.9438	1.0685		
Weibull Shape	1	0.9958	0.0315	0.9359	1.0596		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005173	-0.004089	-0.003953	0.004071	-0.001106	-0.000106
A	-0.004089	0.011326	0.004247	-0.011320	-0.000137	0.000089351
M_bin	-0.003953	0.004247	0.009071	-0.009018	-0.000297	0.000136
int	0.004071	-0.011320	-0.009018	0.022402	0.000150	-0.000009637
C	-0.001106	-0.000137	-0.000297	0.000150	0.001266	0.000031573
Scale	-0.000106	0.000089351	0.000136	-0.000009637	0.000031573	0.001010

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	751
Right Censored Values	249
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1523.168415

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3046.337
AIC (smaller is better)	3058.337
AICC (smaller is better)	3058.421
BIC (smaller is better)	3087.783

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2939.44
Weibull AIC (smaller is better)	-2927.44
Weibull AICC (smaller is better)	-2927.36
Weibull BIC (smaller is better)	-2898.00

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4209	0.5165
M_bin	1	1.4247	0.2326
int	1	4.8841	0.0271
C	1	1.9464	0.1630

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.0900	0.0680	-3.2233	-2.9567	2063.96	<.0001
A	1	-0.0652	0.1004	-0.2620	0.1317	0.42	0.5165
M_bin	1	0.1129	0.0946	-0.0725	0.2983	1.42	0.2326
int	1	0.3321	0.1503	0.0376	0.6266	4.88	0.0271
C	1	0.0491	0.0352	-0.0199	0.1180	1.95	0.1630
Scale	1	0.9947	0.0318	0.9343	1.0589		
Weibull Shape	1	1.0054	0.0321	0.9443	1.0703		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004626	-0.003645	-0.003475	0.003685	-0.000950	-0.000057138
A	-0.003645	0.010088	0.004038	-0.010076	-0.000325	-0.000029238
M_bin	-0.003475	0.004038	0.008950	-0.008797	-0.000551	0.000070696
int	0.003685	-0.010076	-0.008797	0.022577	0.000264	0.000223
C	-0.000950	-0.000325	-0.000551	0.000264	0.001237	0.000031533
Scale	-0.000057138	-0.000029238	0.000070696	0.000223	0.000031533	0.001010

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	779
Right Censored Values	221
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1540.122129

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3080.244
AIC (smaller is better)	3092.244
AICC (smaller is better)	3092.329
BIC (smaller is better)	3121.691

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3219.90
Weibull AIC (smaller is better)	-3207.90
Weibull AICC (smaller is better)	-3207.82
Weibull BIC (smaller is better)	-3178.45

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1592	0.6899
M_bin	1	17.3103	<.0001
int	1	0.3465	0.5561
C	1	12.4319	0.0004

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3666	0.0674	-3.4986	-3.2345	2496.17	<.0001
A	1	0.0396	0.0992	-0.1549	0.2341	0.16	0.6899
M_bin	1	0.4053	0.0974	0.2144	0.5963	17.31	<.0001
int	1	-0.0863	0.1466	-0.3736	0.2010	0.35	0.5561
C	1	0.1297	0.0368	0.0576	0.2018	12.43	0.0004
Scale	1	1.0016	0.0310	0.9426	1.0643		
Weibull Shape	1	0.9984	0.0309	0.9396	1.0609		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004540	-0.003613	-0.003432	0.003610	-0.001024	-0.000199
A	-0.003613	0.009849	0.003817	-0.009852	-0.000180	0.000031003
M_bin	-0.003432	0.003817	0.009491	-0.009341	-0.000465	0.000245
int	0.003610	-0.009852	-0.009341	0.021485	0.000191	-0.000060635
C	-0.001024	-0.000180	-0.000465	0.000191	0.001354	0.000071283
Scale	-0.000199	0.000031003	0.000245	-0.000060635	0.000071283	0.000963

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	749
Right Censored Values	251
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1521.982941

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3043.966
AIC (smaller is better)	3055.966
AICC (smaller is better)	3056.050
BIC (smaller is better)	3085.412

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2938.55
Weibull AIC (smaller is better)	-2926.55
Weibull AICC (smaller is better)	-2926.47
Weibull BIC (smaller is better)	-2897.10

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1797	0.6716
M_bin	1	5.9358	0.0148
int	1	0.0094	0.9229
C	1	1.1512	0.2833

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1348	0.0705	-3.2731	-2.9966	1975.02	<.0001
A	1	0.0448	0.1058	-0.1625	0.2521	0.18	0.6716
M_bin	1	0.2381	0.0977	0.0466	0.4297	5.94	0.0148
int	1	-0.0144	0.1489	-0.3063	0.2774	0.01	0.9229
C	1	0.0389	0.0362	-0.0321	0.1099	1.15	0.2833
Scale	1	0.9981	0.0318	0.9377	1.0624		
Weibull Shape	1	1.0019	0.0319	0.9412	1.0664		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004976	-0.004101	-0.003838	0.004022	-0.000902	-0.000093329
A	-0.004101	0.011187	0.004573	-0.011220	-0.000367	0.000033031
M_bin	-0.003838	0.004573	0.009554	-0.009364	-0.000764	0.000172
int	0.004022	-0.011220	-0.009364	0.022172	0.000483	-0.000041843
C	-0.000902	-0.000367	-0.000764	0.000483	0.001312	0.000037039
Scale	-0.000093329	0.000033031	0.000172	-0.000041843	0.000037039	0.001011

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	739
Right Censored Values	261
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1516.740465

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3033.481
AIC (smaller is better)	3045.481
AICC (smaller is better)	3045.566
BIC (smaller is better)	3074.927

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2909.28
Weibull AIC (smaller is better)	-2897.28
Weibull AICC (smaller is better)	-2897.19
Weibull BIC (smaller is better)	-2867.83

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.2281	0.6330
M_bin	1	5.5555	0.0184
int	1	3.2810	0.0701
C	1	3.1305	0.0768

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2175	0.0704	-3.3555	-3.0795	2088.13	<.0001
A	1	0.0507	0.1062	-0.1575	0.2590	0.23	0.6330
M_bin	1	0.2306	0.0978	0.0388	0.4224	5.56	0.0184
int	1	0.2780	0.1535	-0.0228	0.5788	3.28	0.0701
C	1	0.0667	0.0377	-0.0072	0.1405	3.13	0.0768
Scale	1	1.0117	0.0324	0.9502	1.0771		
Weibull Shape	1	0.9885	0.0316	0.9284	1.0524		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004958	-0.003922	-0.003695	0.003855	-0.001011	-0.000131
A	-0.003922	0.011287	0.004482	-0.011289	-0.000441	0.000063841
M_bin	-0.003695	0.004482	0.009574	-0.009374	-0.000773	0.000143
int	0.003855	-0.011289	-0.009374	0.023557	0.000505	0.000181
C	-0.001011	-0.000441	-0.000773	0.000505	0.001420	0.000045654
Scale	-0.000131	0.000063841	0.000143	0.000181	0.000045654	0.001048

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	743
Right Censored Values	257
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1508.717934

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3017.436
AIC (smaller is better)	3029.436
AICC (smaller is better)	3029.520
BIC (smaller is better)	3058.882

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2906.13
Weibull AIC (smaller is better)	-2894.13
Weibull AICC (smaller is better)	-2894.04
Weibull BIC (smaller is better)	-2864.68

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1754	0.2783
M_bin	1	1.0122	0.3144
int	1	3.2769	0.0703
C	1	2.4834	0.1151

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.1583	0.0703	-3.2960 -3.0206	2020.31	<.0001	
A	1	0.1137	0.1049	-0.0919 0.3194	1.18	0.2783	
M_bin	1	0.0955	0.0949	-0.0905 0.2815	1.01	0.3144	
int	1	0.2677	0.1479	-0.0221 0.5576	3.28	0.0703	
C	1	0.0566	0.0359	-0.0138 0.1269	2.48	0.1151	
Scale	1	0.9872	0.0316	0.9272 1.0512			
Weibull Shape	1	1.0129	0.0324	0.9513 1.0786			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004937	-0.004228	-0.003900	0.004262	-0.000922	-0.000086538
A	-0.004228	0.011007	0.004309	-0.010980	-0.000072317	0.000081506
M_bin	-0.003900	0.004309	0.009007	-0.008776	-0.000529	0.000041000
int	0.004262	-0.010980	-0.008776	0.021875	0.000001014	0.000194
C	-0.000922	-0.000072317	-0.000529	0.000001014	0.001289	0.000038772
Scale	-0.000086538	0.000081506	0.000041000	0.000194	0.000038772	0.001000

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	756
Right Censored Values	244
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1537.365097

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3074.730
AIC (smaller is better)	3086.730
AICC (smaller is better)	3086.815
BIC (smaller is better)	3116.177

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3051.52
Weibull AIC (smaller is better)	-3039.52
Weibull AICC (smaller is better)	-3039.43
Weibull BIC (smaller is better)	-3010.07

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.8033	0.1793
M_bin	1	7.1206	0.0076
int	1	0.1424	0.7060
C	1	7.2786	0.0070

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3132	0.0720	-3.4544	-3.1721	2115.63	<.0001
A	1	0.1393	0.1038	-0.0640	0.3427	1.80	0.1793
M_bin	1	0.2618	0.0981	0.0695	0.4541	7.12	0.0076
int	1	0.0564	0.1495	-0.2366	0.3494	0.14	0.7060
C	1	0.1024	0.0380	0.0280	0.1768	7.28	0.0070
Scale	1	1.0124	0.0320	0.9515	1.0772		
Weibull Shape	1	0.9878	0.0313	0.9284	1.0510		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005189	-0.004125	-0.004019	0.004207	-0.001071	-0.000166
A	-0.004125	0.010767	0.004527	-0.010724	-0.000358	0.000082551
M_bin	-0.004019	0.004527	0.009624	-0.009484	-0.000514	0.000168
int	0.004207	-0.010724	-0.009484	0.022342	0.000231	0.000026786
C	-0.001071	-0.000358	-0.000514	0.000231	0.001441	0.000069172
Scale	-0.000166	0.000082551	0.000168	0.000026786	0.000069172	0.001026

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	767
Right Censored Values	233
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1485.811943

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2971.624
AIC (smaller is better)	2983.624
AICC (smaller is better)	2983.708
BIC (smaller is better)	3013.070

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3075.71
Weibull AIC (smaller is better)	-3063.71
Weibull AICC (smaller is better)	-3063.63
Weibull BIC (smaller is better)	-3034.26

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.5391	0.4628
M_bin	1	12.5358	0.0004
int	1	0.0004	0.9836
C	1	2.6440	0.1039

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2501	0.0682	-3.3838	-3.1163	2268.28	<.0001
A	1	0.0703	0.0958	-0.1174	0.2581	0.54	0.4628
M_bin	1	0.3285	0.0928	0.1466	0.5103	12.54	0.0004
int	1	0.0028	0.1378	-0.2672	0.2728	0.00	0.9836
C	1	0.0576	0.0354	-0.0118	0.1270	2.64	0.1039
Scale	1	0.9442	0.0295	0.8881	1.0038		
Weibull Shape	1	1.0591	0.0331	0.9962	1.1260		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004657	-0.003670	-0.003406	0.003640	-0.001051	-0.000138
A	-0.003670	0.009179	0.003815	-0.009178	-0.000117	0.000049800
M_bin	-0.003406	0.003815	0.008606	-0.008458	-0.000453	0.000172
int	0.003640	-0.009178	-0.008458	0.018978	0.000146	0.000002084
C	-0.001051	-0.000117	-0.000453	0.000146	0.001254	0.000028413
Scale	-0.000138	0.000049800	0.000172	0.000002084	0.000028413	0.000871

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	756
Right Censored Values	244
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1498.316715

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2996.633
AIC (smaller is better)	3008.633
AICC (smaller is better)	3008.718
BIC (smaller is better)	3038.080

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3012.96
Weibull AIC (smaller is better)	-3000.96
Weibull AICC (smaller is better)	-3000.88
Weibull BIC (smaller is better)	-2971.52

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.8837	0.0895
M_bin	1	15.0136	0.0001
int	1	0.1525	0.6962
C	1	3.4606	0.0628

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2773	0.0664	-3.4074	-3.1472	2437.92	<.0001
A	1	0.1647	0.0970	-0.0254	0.3548	2.88	0.0895
M_bin	1	0.3662	0.0945	0.1810	0.5515	15.01	0.0001
int	1	-0.0559	0.1431	-0.3363	0.2246	0.15	0.6962
C	1	0.0651	0.0350	-0.0035	0.1337	3.46	0.0628
Scale	1	0.9666	0.0305	0.9087	1.0282		
Weibull Shape	1	1.0346	0.0326	0.9726	1.1005		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004406	-0.003565	-0.003489	0.003638	-0.000874	-0.000144
A	-0.003565	0.009409	0.003890	-0.009375	-0.000298	0.000073676
M_bin	-0.003489	0.003890	0.008933	-0.008805	-0.000426	0.000196
int	0.003638	-0.009375	-0.008805	0.020473	0.000185	-0.000010777
C	-0.000874	-0.000298	-0.000426	0.000185	0.001224	0.000043673
Scale	-0.000144	0.000073676	0.000196	-0.000010777	0.000043673	0.000928

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	770
Right Censored Values	230
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1540.181092

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3080.362
AIC (smaller is better)	3092.362
AICC (smaller is better)	3092.447
BIC (smaller is better)	3121.809

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3089.82
Weibull AIC (smaller is better)	-3077.82
Weibull AICC (smaller is better)	-3077.73
Weibull BIC (smaller is better)	-3048.37

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.5644	0.4525
M_bin	1	10.6636	0.0011
int	1	0.0016	0.9680
C	1	2.4620	0.1166

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2341	0.0691	-3.3696	-3.0987	2190.99	<.0001
A	1	0.0740	0.0985	-0.1191	0.2671	0.56	0.4525
M_bin	1	0.3130	0.0958	0.1251	0.5008	10.66	0.0011
int	1	0.0059	0.1467	-0.2817	0.2935	0.00	0.9680
C	1	0.0553	0.0352	-0.0138	0.1243	2.46	0.1166
Scale	1	0.9966	0.0314	0.9369	1.0600		
Weibull Shape	1	1.0034	0.0316	0.9434	1.0673		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004774	-0.003741	-0.003588	0.003674	-0.001011	-0.000122
A	-0.003741	0.009703	0.004043	-0.009717	-0.000252	0.000045534
M_bin	-0.003588	0.004043	0.009186	-0.009109	-0.000456	0.000175
int	0.003674	-0.009717	-0.009109	0.021535	0.000331	-0.000017410
C	-0.001011	-0.000252	-0.000456	0.000331	0.001241	0.000031701
Scale	-0.000122	0.000045534	0.000175	-0.000017410	0.000031701	0.000984

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	737
Right Censored Values	263
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1506.11601

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3012.232
AIC (smaller is better)	3024.232
AICC (smaller is better)	3024.317
BIC (smaller is better)	3053.679

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2868.78
Weibull AIC (smaller is better)	-2856.78
Weibull AICC (smaller is better)	-2856.69
Weibull BIC (smaller is better)	-2827.33

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0005	0.9824
M_bin	1	7.7616	0.0053
int	1	0.0338	0.8540
C	1	10.2543	0.0014

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1695	0.0682	-3.3032	-3.0359	2159.45	<.0001
A	1	-0.0023	0.1029	-0.2039	0.1993	0.00	0.9824
M_bin	1	0.2705	0.0971	0.0802	0.4608	7.76	0.0053
int	1	-0.0275	0.1494	-0.3202	0.2652	0.03	0.8540
C	1	0.1134	0.0354	0.0440	0.1828	10.25	0.0014
Scale	1	0.9917	0.0319	0.9311	1.0562		
Weibull Shape	1	1.0084	0.0324	0.9468	1.0740		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004652	-0.003909	-0.003692	0.003827	-0.000857	-0.000105
A	-0.003909	0.010578	0.004176	-0.010601	-0.000231	0.000031331
M_bin	-0.003692	0.004176	0.009425	-0.009303	-0.000559	0.000173
int	0.003827	-0.010601	-0.009303	0.022306	0.000351	-0.000039985
C	-0.000857	-0.000231	-0.000559	0.000351	0.001253	0.000080020
Scale	-0.000105	0.000031331	0.000173	-0.000039985	0.000080020	0.001017

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	746
Right Censored Values	254
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1510.093132

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3020.186
AIC (smaller is better)	3032.186
AICC (smaller is better)	3032.271
BIC (smaller is better)	3061.633

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2946.63
Weibull AIC (smaller is better)	-2934.63
Weibull AICC (smaller is better)	-2934.54
Weibull BIC (smaller is better)	-2905.18

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1574	0.6915
M_bin	1	2.4973	0.1140
int	1	3.8777	0.0489
C	1	12.1265	0.0005

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2000	0.0700	-3.3371	-3.0629	2092.64	<.0001
A	1	-0.0394	0.0992	-0.2337	0.1550	0.16	0.6915
M_bin	1	0.1524	0.0964	-0.0366	0.3414	2.50	0.1140
int	1	0.2911	0.1478	0.0014	0.5809	3.88	0.0489
C	1	0.1255	0.0360	0.0549	0.1962	12.13	0.0005
Scale	1	0.9889	0.0315	0.9289	1.0527		
Weibull Shape	1	1.0113	0.0323	0.9500	1.0765		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004893	-0.004060	-0.003907	0.004115	-0.000897	-0.000121
A	-0.004060	0.009836	0.004398	-0.009811	-0.000306	-0.000007840
M_bin	-0.003907	0.004398	0.009302	-0.009130	-0.000536	0.000093795
int	0.004115	-0.009811	-0.009130	0.021858	0.000211	0.000170
C	-0.000897	-0.000306	-0.000536	0.000211	0.001299	0.000091015
Scale	-0.000121	-0.000007840	0.000093795	0.000170	0.000091015	0.000995

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	756
Right Censored Values	244
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1462.513058

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2925.026
AIC (smaller is better)	2937.026
AICC (smaller is better)	2937.111
BIC (smaller is better)	2966.473

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3012.39
Weibull AIC (smaller is better)	-3000.39
Weibull AICC (smaller is better)	-3000.31
Weibull BIC (smaller is better)	-2970.95

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0385	0.8445
M_bin	1	11.0337	0.0009
int	1	1.4542	0.2279
C	1	6.3436	0.0118

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2547	0.0659	-3.3839	-3.1255	2438.37	<.0001
A	1	0.0184	0.0937	-0.1653	0.2021	0.04	0.8445
M_bin	1	0.2919	0.0879	0.1197	0.4641	11.03	0.0009
int	1	0.1675	0.1389	-0.1047	0.4397	1.45	0.2279
C	1	0.0899	0.0357	0.0200	0.1599	6.34	0.0118
Scale	1	0.9269	0.0291	0.8716	0.9858		
Weibull Shape	1	1.0788	0.0339	1.0144	1.1474		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004344	-0.003291	-0.003062	0.003347	-0.001062	-0.000135
A	-0.003291	0.008784	0.003528	-0.008769	-0.000194	0.000011098
M_bin	-0.003062	0.003528	0.007721	-0.007526	-0.000487	0.000142
int	0.003347	-0.008769	-0.007526	0.019290	0.000111	0.000109
C	-0.001062	-0.000194	-0.000487	0.000111	0.001275	0.000052551
Scale	-0.000135	0.000011098	0.000142	0.000109	0.000052551	0.000849

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	748
Right Censored Values	252
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1531.812291

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3063.625
AIC (smaller is better)	3075.625
AICC (smaller is better)	3075.709
BIC (smaller is better)	3105.071

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2917.89
Weibull AIC (smaller is better)	-2905.89
Weibull AICC (smaller is better)	-2905.81
Weibull BIC (smaller is better)	-2876.45

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.3970	0.5286
M_bin	1	2.9336	0.0868
int	1	0.5311	0.4661
C	1	5.3386	0.0209

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1042	0.0714	-3.2442	-2.9641	1887.50	<.0001
A	1	-0.0647	0.1027	-0.2659	0.1365	0.40	0.5286
M_bin	1	0.1660	0.0969	-0.0240	0.3560	2.93	0.0868
int	1	0.1095	0.1503	-0.1850	0.4040	0.53	0.4661
C	1	0.0861	0.0373	0.0131	0.1591	5.34	0.0209
Scale	1	1.0032	0.0321	0.9421	1.0682		
Weibull Shape	1	0.9968	0.0319	0.9361	1.0614		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005105	-0.004253	-0.004058	0.004243	-0.000922	-0.000054204
A	-0.004253	0.010542	0.004664	-0.010546	-0.000361	-0.000019982
M_bin	-0.004058	0.004664	0.009397	-0.009242	-0.000659	0.000105
int	0.004243	-0.010546	-0.009242	0.022581	0.000376	0.000048029
C	-0.000922	-0.000361	-0.000659	0.000376	0.001389	0.000052640
Scale	-0.000054204	-0.000019982	0.000105	0.000048029	0.000052640	0.001034

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA116
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	735
Right Censored Values	265
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1517.184649

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3034.369
AIC (smaller is better)	3046.369
AICC (smaller is better)	3046.454
BIC (smaller is better)	3075.816

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2882.17
Weibull AIC (smaller is better)	-2870.17
Weibull AICC (smaller is better)	-2870.09
Weibull BIC (smaller is better)	-2840.73

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.2397	0.1345
M_bin	1	7.8072	0.0052
int	1	0.6308	0.4271
C	1	7.0179	0.0081

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2752	0.0716	-3.4155	-3.1350	2094.04	<.0001
A	1	0.1601	0.1069	-0.0496	0.3697	2.24	0.1345
M_bin	1	0.2728	0.0976	0.0814	0.4641	7.81	0.0052
int	1	0.1206	0.1519	-0.1771	0.4183	0.63	0.4271
C	1	0.0986	0.0372	0.0256	0.1715	7.02	0.0081
Scale	1	1.0097	0.0325	0.9480	1.0755		
Weibull Shape	1	0.9904	0.0319	0.9298	1.0548		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005123	-0.004259	-0.004269	0.004525	-0.000867	-0.000132
A	-0.004259	0.011438	0.004779	-0.011249	-0.000514	0.000081070
M_bin	-0.004269	0.004779	0.009531	-0.009320	-0.000509	0.000153
int	0.004525	-0.011249	-0.009320	0.023071	0.000061110	0.000103
C	-0.000867	-0.000514	-0.000509	0.000061110	0.001384	0.000065407
Scale	-0.000132	0.000081070	0.000153	0.000103	0.000065407	0.001056

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	739
Right Censored Values	261
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1501.239573

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3002.479
AIC (smaller is better)	3014.479
AICC (smaller is better)	3014.564
BIC (smaller is better)	3043.926

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2879.53
Weibull AIC (smaller is better)	-2867.53
Weibull AICC (smaller is better)	-2867.45
Weibull BIC (smaller is better)	-2838.09

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.7155	0.1903
M_bin	1	4.2016	0.0404
int	1	1.5966	0.2064
C	1	16.2420	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1993	0.0698	-3.3361	-3.0625	2100.94	<.0001
A	1	0.1377	0.1051	-0.0683	0.3437	1.72	0.1903
M_bin	1	0.1952	0.0953	0.0086	0.3819	4.20	0.0404
int	1	-0.1870	0.1480	-0.4771	0.1031	1.60	0.2064
C	1	0.1453	0.0360	0.0746	0.2159	16.24	<.0001
Scale	1	0.9814	0.0315	0.9216	1.0451		
Weibull Shape	1	1.0190	0.0327	0.9569	1.0851		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004872	-0.004077	-0.003892	0.003976	-0.000861	-0.000105
A	-0.004077	0.011048	0.004487	-0.011097	-0.000344	0.000097294
M_bin	-0.003892	0.004487	0.009073	-0.009014	-0.000628	0.000133
int	0.003976	-0.011097	-0.009014	0.021904	0.000502	-0.000152
C	-0.000861	-0.000344	-0.000628	0.000502	0.001299	0.000086239
Scale	-0.000105	0.000097294	0.000133	-0.000152	0.000086239	0.000991

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	736
Right Censored Values	264
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1492.87719

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2985.754
AIC (smaller is better)	2997.754
AICC (smaller is better)	2997.839
BIC (smaller is better)	3027.201

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2870.52
Weibull AIC (smaller is better)	-2858.52
Weibull AICC (smaller is better)	-2858.43
Weibull BIC (smaller is better)	-2829.07

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8861	0.3465
M_bin	1	6.0369	0.0140
int	1	9.4104	0.0022
C	1	13.8206	0.0002

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2256	0.0686	-3.3601	-3.0910	2208.19	<.0001
A	1	-0.0950	0.1010	-0.2929	0.1028	0.89	0.3465
M_bin	1	0.2281	0.0929	0.0462	0.4101	6.04	0.0140
int	1	0.4613	0.1504	0.1666	0.7560	9.41	0.0022
C	1	0.1368	0.0368	0.0647	0.2089	13.82	0.0002
Scale	1	0.9815	0.0316	0.9215	1.0455		
Weibull Shape	1	1.0188	0.0328	0.9565	1.0852		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004712	-0.003829	-0.003520	0.003880	-0.001131	-0.000136
A	-0.003829	0.010192	0.003740	-0.010207	0.000081001	-0.000028232
M_bin	-0.003520	0.003740	0.008622	-0.008447	-0.000303	0.000128
int	0.003880	-0.010207	-0.008447	0.022611	-0.000165	0.000318
C	-0.001131	0.000081001	-0.000303	-0.000165	0.001354	0.000085707
Scale	-0.000136	-0.000028232	0.000128	0.000318	0.000085707	0.001000

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	724
Right Censored Values	276
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1537.38534

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3074.771
AIC (smaller is better)	3086.771
AICC (smaller is better)	3086.855
BIC (smaller is better)	3116.217

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2813.57
Weibull AIC (smaller is better)	-2801.57
Weibull AICC (smaller is better)	-2801.48
Weibull BIC (smaller is better)	-2772.12

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0004	0.9844
M_bin	1	5.0783	0.0242
int	1	0.9691	0.3249
C	1	13.9816	0.0002

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2125	0.0745	-3.3584	-3.0666	1861.33	<.0001
A	1	0.0021	0.1068	-0.2073	0.2115	0.00	0.9844
M_bin	1	0.2401	0.1066	0.0313	0.4490	5.08	0.0242
int	1	0.1561	0.1586	-0.1547	0.4670	0.97	0.3249
C	1	0.1436	0.0384	0.0683	0.2189	13.98	0.0002
Scale	1	1.0531	0.0342	0.9882	1.1224		
Weibull Shape	1	0.9495	0.0308	0.8910	1.0120		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005545	-0.004679	-0.004431	0.004781	-0.001031	-0.000130
A	-0.004679	0.011414	0.004906	-0.011390	-0.000206	0.000005053
M_bin	-0.004431	0.004906	0.011355	-0.011087	-0.000573	0.000181
int	0.004781	-0.011390	-0.011087	0.025157	0.000051674	0.000113
C	-0.001031	-0.000206	-0.000573	0.000051674	0.001476	0.000115
Scale	-0.000130	0.000005053	0.000181	0.000113	0.000115	0.001170

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	763
Right Censored Values	237
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1541.955828

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3083.912
AIC (smaller is better)	3095.912
AICC (smaller is better)	3095.996
BIC (smaller is better)	3125.358

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3106.42
Weibull AIC (smaller is better)	-3094.42
Weibull AICC (smaller is better)	-3094.34
Weibull BIC (smaller is better)	-3064.97

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.9009	0.1680
M_bin	1	4.2280	0.0398
int	1	1.1234	0.2892
C	1	12.9798	0.0003

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3484	0.0697	-3.4850	-3.2119	2309.20	<.0001
A	1	0.1408	0.1021	-0.0594	0.3410	1.90	0.1680
M_bin	1	0.2009	0.0977	0.0094	0.3923	4.23	0.0398
int	1	0.1589	0.1499	-0.1349	0.4527	1.12	0.2892
C	1	0.1410	0.0391	0.0643	0.2177	12.98	0.0003
Scale	1	1.0143	0.0319	0.9537	1.0787		
Weibull Shape	1	0.9859	0.0310	0.9270	1.0485		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004855	-0.003878	-0.003670	0.003986	-0.001110	-0.000189
A	-0.003878	0.010429	0.004129	-0.010381	-0.000232	0.000082766
M_bin	-0.003670	0.004129	0.009543	-0.009336	-0.000528	0.000123
int	0.003986	-0.010381	-0.009336	0.022472	0.000046630	0.000122
C	-0.001110	-0.000232	-0.000528	0.000046630	0.001531	0.000087489
Scale	-0.000189	0.000082766	0.000123	0.000122	0.000087489	0.001016

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	720
Right Censored Values	280
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1529.473198

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3058.946
AIC (smaller is better)	3070.946
AICC (smaller is better)	3071.031
BIC (smaller is better)	3100.393

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2756.39
Weibull AIC (smaller is better)	-2744.39
Weibull AICC (smaller is better)	-2744.30
Weibull BIC (smaller is better)	-2714.94

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	12.7423	0.0004
M_bin	1	7.7767	0.0053
int	1	1.1034	0.2935
C	1	7.3288	0.0068

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2634	0.0715	-3.4035	-3.1234	2085.43	<.0001
A	1	0.4145	0.1161	0.1869	0.6421	12.74	0.0004
M_bin	1	0.2779	0.0997	0.0826	0.4733	7.78	0.0053
int	1	-0.1702	0.1620	-0.4878	0.1474	1.10	0.2935
C	1	0.1055	0.0390	0.0291	0.1819	7.33	0.0068
Scale	1	1.0404	0.0341	0.9757	1.1094		
Weibull Shape	1	0.9611	0.0315	0.9014	1.0249		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005107	-0.004138	-0.003781	0.004120	-0.001151	-0.000147
A	-0.004138	0.013485	0.004343	-0.013446	-0.000148	0.000273
M_bin	-0.003781	0.004343	0.009932	-0.009727	-0.000614	0.000193
int	0.004120	-0.013446	-0.009727	0.026257	0.000155	-0.000110
C	-0.001151	-0.000148	-0.000614	0.000155	0.001520	0.000077299
Scale	-0.000147	0.000273	0.000193	-0.000110	0.000077299	0.001162

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	764
Right Censored Values	236
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1523.335869

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3046.672
AIC (smaller is better)	3058.672
AICC (smaller is better)	3058.756
BIC (smaller is better)	3088.118

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3113.09
Weibull AIC (smaller is better)	-3101.09
Weibull AICC (smaller is better)	-3101.01
Weibull BIC (smaller is better)	-3071.64

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.8703	0.0902
M_bin	1	11.6211	0.0007
int	1	0.0888	0.7657
C	1	10.3156	0.0013

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3696	0.0706	-3.5079	-3.2312	2278.88	<.0001
A	1	0.1671	0.0986	-0.0262	0.3605	2.87	0.0902
M_bin	1	0.3235	0.0949	0.1375	0.5094	11.62	0.0007
int	1	0.0439	0.1472	-0.2446	0.3323	0.09	0.7657
C	1	0.1141	0.0355	0.0445	0.1837	10.32	0.0013
Scale	1	0.9942	0.0311	0.9350	1.0571		
Weibull Shape	1	1.0058	0.0315	0.9460	1.0695		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004982	-0.004043	-0.003621	0.003851	-0.001164	-0.000189
A	-0.004043	0.009731	0.003870	-0.009699	0.000152	0.000092063
M_bin	-0.003621	0.003870	0.009003	-0.008889	-0.000320	0.000176
int	0.003851	-0.009699	-0.008889	0.021661	0.000040229	0.000025726
C	-0.001164	0.000152	-0.000320	0.000040229	0.001261	0.000069792
Scale	-0.000189	0.000092063	0.000176	0.000025726	0.000069792	0.000969

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	759
Right Censored Values	241
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1542.971996

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3085.944
AIC (smaller is better)	3097.944
AICC (smaller is better)	3098.029
BIC (smaller is better)	3127.391

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3048.49
Weibull AIC (smaller is better)	-3036.49
Weibull AICC (smaller is better)	-3036.40
Weibull BIC (smaller is better)	-3007.04

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.9475	0.0860
M_bin	1	10.8340	0.0010
int	1	2.0672	0.1505
C	1	5.5728	0.0182

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2690	0.0707	-3.4077	-3.1304	2135.94	<.0001
A	1	0.1797	0.1046	-0.0254	0.3848	2.95	0.0860
M_bin	1	0.3248	0.0987	0.1314	0.5182	10.83	0.0010
int	1	-0.2178	0.1515	-0.5147	0.0791	2.07	0.1505
C	1	0.0851	0.0360	0.0144	0.1558	5.57	0.0182
Scale	1	1.0205	0.0321	0.9595	1.0855		
Weibull Shape	1	0.9799	0.0308	0.9213	1.0422		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005003	-0.004000	-0.003721	0.003897	-0.001115	-0.000146
A	-0.004000	0.010951	0.004079	-0.010959	-0.000057251	0.000122
M_bin	-0.003721	0.004079	0.009736	-0.009659	-0.000392	0.000191
int	0.003897	-0.010959	-0.009659	0.022946	0.000179	-0.000135
C	-0.001115	-0.000057251	-0.000392	0.000179	0.001300	0.000049451
Scale	-0.000146	0.000122	0.000191	-0.000135	0.000049451	0.001032

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	786
Right Censored Values	214
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1532.274248

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3064.548
AIC (smaller is better)	3076.548
AICC (smaller is better)	3076.633
BIC (smaller is better)	3105.995

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3245.02
Weibull AIC (smaller is better)	-3233.02
Weibull AICC (smaller is better)	-3232.94
Weibull BIC (smaller is better)	-3203.57

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0001	0.9912
M_bin	1	3.5042	0.0612
int	1	3.8112	0.0509
C	1	2.1083	0.1465

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2486	0.0677	-3.3813	-3.1160	2303.68	<.0001
A	1	0.0011	0.0984	-0.1917	0.1939	0.00	0.9912
M_bin	1	0.1722	0.0920	-0.0081	0.3525	3.50	0.0612
int	1	0.2801	0.1435	-0.0011	0.5613	3.81	0.0509
C	1	0.0498	0.0343	-0.0174	0.1170	2.11	0.1465
Scale	1	0.9842	0.0303	0.9265	1.0454		
Weibull Shape	1	1.0161	0.0313	0.9565	1.0793		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004581	-0.003535	-0.003563	0.003688	-0.000934	-0.000122
A	-0.003535	0.009678	0.003939	-0.009607	-0.000371	0.000007286
M_bin	-0.003563	0.003939	0.008463	-0.008388	-0.000345	0.000070867
int	0.003688	-0.009607	-0.008388	0.020588	0.000157	0.000151
C	-0.000934	-0.000371	-0.000345	0.000157	0.001177	0.000024898
Scale	-0.000122	0.000007286	0.000070867	0.000151	0.000024898	0.000919

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	761
Right Censored Values	239
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1514.334871

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3028.670
AIC (smaller is better)	3040.670
AICC (smaller is better)	3040.754
BIC (smaller is better)	3070.116

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3018.38
Weibull AIC (smaller is better)	-3006.38
Weibull AICC (smaller is better)	-3006.30
Weibull BIC (smaller is better)	-2976.94

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.2084	0.6481
M_bin	1	1.3885	0.2387
int	1	0.9781	0.3227
C	1	11.0291	0.0009

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1977	0.0685	-3.3320	-3.0634	2177.14	<.0001
A	1	0.0460	0.1007	-0.1514	0.2433	0.21	0.6481
M_bin	1	0.1096	0.0930	-0.0727	0.2918	1.39	0.2387
int	1	0.1442	0.1458	-0.1415	0.4299	0.98	0.3227
C	1	0.1186	0.0357	0.0486	0.1887	11.03	0.0009
Scale	1	0.9800	0.0309	0.9213	1.0425		
Weibull Shape	1	1.0204	0.0322	0.9593	1.0854		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004697	-0.003795	-0.003679	0.003840	-0.000890	-0.000133
A	-0.003795	0.010135	0.004261	-0.010098	-0.000404	0.000065772
M_bin	-0.003679	0.004261	0.008644	-0.008519	-0.000573	0.000064819
int	0.003840	-0.010098	-0.008519	0.021250	0.000325	0.000053609
C	-0.000890	-0.000404	-0.000573	0.000325	0.001276	0.000076678
Scale	-0.000133	0.000065772	0.000064819	0.000053609	0.000076678	0.000954

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	754
Right Censored Values	246
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1468.513498

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2937.027
AIC (smaller is better)	2949.027
AICC (smaller is better)	2949.112
BIC (smaller is better)	2978.474

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2955.25
Weibull AIC (smaller is better)	-2943.25
Weibull AICC (smaller is better)	-2943.17
Weibull BIC (smaller is better)	-2913.80

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9917	0.3193
M_bin	1	2.2358	0.1348
int	1	1.0104	0.3148
C	1	6.8907	0.0087

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1656	0.0631	-3.2892	-3.0419	2516.67	<.0001
A	1	0.0979	0.0983	-0.0948	0.2905	0.99	0.3193
M_bin	1	0.1288	0.0862	-0.0400	0.2977	2.24	0.1348
int	1	0.1431	0.1423	-0.1359	0.4220	1.01	0.3148
C	1	0.0891	0.0340	0.0226	0.1557	6.89	0.0087
Scale	1	0.9297	0.0295	0.8738	0.9893		
Weibull Shape	1	1.0756	0.0341	1.0108	1.1445		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.003982	-0.003163	-0.003003	0.003020	-0.000822	-0.000110
A	-0.003163	0.009662	0.003554	-0.009701	-0.000326	0.000053820
M_bin	-0.003003	0.003554	0.007423	-0.007383	-0.000553	0.000064655
int	0.003020	-0.009701	-0.007383	0.020257	0.000510	0.000112
C	-0.000822	-0.000326	-0.000553	0.000510	0.001153	0.000061056
Scale	-0.000110	0.000053820	0.000064655	0.000112	0.000061056	0.000867

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	751
Right Censored Values	249
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1518.777748

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3037.555
AIC (smaller is better)	3049.555
AICC (smaller is better)	3049.640
BIC (smaller is better)	3079.002

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2991.53
Weibull AIC (smaller is better)	-2979.53
Weibull AICC (smaller is better)	-2979.45
Weibull BIC (smaller is better)	-2950.09

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.1372	0.0234
M_bin	1	9.8203	0.0017
int	1	0.5855	0.4442
C	1	5.3717	0.0205

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3057	0.0655	-3.4341	-3.1774	2549.10	<.0001
A	1	0.2298	0.1014	0.0311	0.4285	5.14	0.0234
M_bin	1	0.2988	0.0953	0.1119	0.4856	9.82	0.0017
int	1	0.1152	0.1506	-0.1799	0.4104	0.59	0.4442
C	1	0.0800	0.0345	0.0123	0.1476	5.37	0.0205
Scale	1	0.9980	0.0318	0.9376	1.0623		
Weibull Shape	1	1.0020	0.0319	0.9413	1.0665		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004287	-0.003514	-0.003521	0.003600	-0.000764	-0.000201
A	-0.003514	0.010281	0.003979	-0.010157	-0.000448	0.000159
M_bin	-0.003521	0.003979	0.009090	-0.008958	-0.000443	0.000182
int	0.003600	-0.010157	-0.008958	0.022679	0.000251	0.000094786
C	-0.000764	-0.000448	-0.000443	0.000251	0.001190	0.000072711
Scale	-0.000201	0.000159	0.000182	0.000094786	0.000072711	0.001011

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	742
Right Censored Values	258
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1478.284688

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2956.569
AIC (smaller is better)	2968.569
AICC (smaller is better)	2968.654
BIC (smaller is better)	2998.016

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2898.74
Weibull AIC (smaller is better)	-2886.74
Weibull AICC (smaller is better)	-2886.66
Weibull BIC (smaller is better)	-2857.30

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0758	0.7830
M_bin	1	1.5594	0.2118
int	1	6.7199	0.0095
C	1	9.9482	0.0016

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1689	0.0697	-3.3055	-3.0323	2068.12	<.0001
A	1	-0.0271	0.0985	-0.2201	0.1659	0.08	0.7830
M_bin	1	0.1123	0.0900	-0.0640	0.2886	1.56	0.2118
int	1	0.3750	0.1447	0.0915	0.6586	6.72	0.0095
C	1	0.1120	0.0355	0.0424	0.1817	9.95	0.0016
Scale	1	0.9541	0.0305	0.8961	1.0159		
Weibull Shape	1	1.0481	0.0335	0.9844	1.1159		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004856	-0.003926	-0.003779	0.003984	-0.001020	-0.000104
A	-0.003926	0.009696	0.004063	-0.009680	-0.000128	0.000021904
M_bin	-0.003779	0.004063	0.008092	-0.007992	-0.000315	0.000082365
int	0.003984	-0.009680	-0.007992	0.020930	0.000039427	0.000208
C	-0.001020	-0.000128	-0.000315	0.000039427	0.001262	0.000059083
Scale	-0.000104	0.000021904	0.000082365	0.000208	0.000059083	0.000932

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	755
Right Censored Values	245
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1544.990204

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3089.980
AIC (smaller is better)	3101.980
AICC (smaller is better)	3102.065
BIC (smaller is better)	3131.427

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3028.31
Weibull AIC (smaller is better)	-3016.31
Weibull AICC (smaller is better)	-3016.22
Weibull BIC (smaller is better)	-2986.86

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0190	0.8904
M_bin	1	1.7423	0.1868
int	1	5.5295	0.0187
C	1	5.2489	0.0220

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2185	0.0688	-3.3533	-3.0837	2190.01	<.0001
A	1	0.0143	0.1041	-0.1896	0.2183	0.02	0.8904
M_bin	1	0.1303	0.0987	-0.0632	0.3238	1.74	0.1868
int	1	0.3636	0.1546	0.0605	0.6667	5.53	0.0187
C	1	0.0889	0.0388	0.0128	0.1650	5.25	0.0220
Scale	1	1.0296	0.0326	0.9676	1.0956		
Weibull Shape	1	0.9712	0.0308	0.9127	1.0335		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004730	-0.003844	-0.003553	0.003960	-0.001065	-0.000132
A	-0.003844	0.010831	0.004044	-0.010805	-0.000180	0.000002956
M_bin	-0.003553	0.004044	0.009747	-0.009458	-0.000604	0.000092523
int	0.003960	-0.010805	-0.009458	0.023911	-0.000014176	0.000254
C	-0.001065	-0.000180	-0.000604	-0.000014176	0.001506	0.000064801
Scale	-0.000132	0.000002956	0.000092523	0.000254	0.000064801	0.001066

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1493.698794

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2987.398
AIC (smaller is better)	2999.398
AICC (smaller is better)	2999.482
BIC (smaller is better)	3028.844

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2949.81
Weibull AIC (smaller is better)	-2937.81
Weibull AICC (smaller is better)	-2937.73
Weibull BIC (smaller is better)	-2908.36

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4840	0.4866
M_bin	1	0.8582	0.3542
int	1	10.9889	0.0009
C	1	5.7445	0.0165

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1722	0.0706	-3.3105	-3.0339	2021.01	<.0001
A	1	-0.0704	0.1013	-0.2689	0.1280	0.48	0.4866
M_bin	1	0.0869	0.0938	-0.0970	0.2708	0.86	0.3542
int	1	0.4831	0.1457	0.1975	0.7687	10.99	0.0009
C	1	0.0851	0.0355	0.0155	0.1546	5.74	0.0165
Scale	1	0.9743	0.0310	0.9154	1.0369		
Weibull Shape	1	1.0264	0.0326	0.9644	1.0924		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004979	-0.004000	-0.003899	0.003960	-0.000976	-0.000109
A	-0.004000	0.010253	0.004313	-0.010259	-0.000283	-0.000012950
M_bin	-0.003899	0.004313	0.008803	-0.008733	-0.000421	0.000066546
int	0.003960	-0.010259	-0.008733	0.021238	0.000309	0.000290
C	-0.000976	-0.000283	-0.000421	0.000309	0.001259	0.000056071
Scale	-0.000109	-0.000012950	0.000066546	0.000290	0.000056071	0.000959

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	744
Right Censored Values	256
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1526.235972

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3052.472
AIC (smaller is better)	3064.472
AICC (smaller is better)	3064.557
BIC (smaller is better)	3093.918

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2951.60
Weibull AIC (smaller is better)	-2939.60
Weibull AICC (smaller is better)	-2939.52
Weibull BIC (smaller is better)	-2910.16

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0893	0.7651
M_bin	1	2.4281	0.1192
int	1	2.7890	0.0949
C	1	29.4175	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2717	0.0713	-3.4114	-3.1319	2104.49	<.0001
A	1	-0.0314	0.1051	-0.2374	0.1746	0.09	0.7651
M_bin	1	0.1550	0.0995	-0.0400	0.3500	2.43	0.1192
int	1	0.2549	0.1527	-0.0443	0.5541	2.79	0.0949
C	1	0.1959	0.0361	0.1251	0.2667	29.42	<.0001
Scale	1	1.0180	0.0325	0.9562	1.0838		
Weibull Shape	1	0.9823	0.0314	0.9226	1.0458		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005086	-0.004285	-0.004245	0.004237	-0.000785	-0.000170
A	-0.004285	0.011042	0.004878	-0.011061	-0.000543	0.000009133
M_bin	-0.004245	0.004878	0.009897	-0.009846	-0.000626	0.000117
int	0.004237	-0.011061	-0.009846	0.023302	0.000606	0.000116
C	-0.000785	-0.000543	-0.000626	0.000606	0.001305	0.000135
Scale	-0.000170	0.000009133	0.000117	0.000116	0.000135	0.001059

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	764
Right Censored Values	236
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1506.065611

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3012.131
AIC (smaller is better)	3024.131
AICC (smaller is better)	3024.216
BIC (smaller is better)	3053.578

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3107.53
Weibull AIC (smaller is better)	-3095.53
Weibull AICC (smaller is better)	-3095.44
Weibull BIC (smaller is better)	-3066.08

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.8724	0.1712
M_bin	1	6.1220	0.0134
int	1	0.5666	0.4516
C	1	23.9890	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3664	0.0653	-3.4944	-3.2383	2654.30	<.0001
A	1	0.1395	0.1020	-0.0603	0.3393	1.87	0.1712
M_bin	1	0.2310	0.0933	0.0480	0.4139	6.12	0.0134
int	1	0.1102	0.1464	-0.1767	0.3972	0.57	0.4516
C	1	0.1644	0.0336	0.0986	0.2302	23.99	<.0001
Scale	1	0.9804	0.0306	0.9221	1.0423		
Weibull Shape	1	1.0200	0.0319	0.9594	1.0844		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004269	-0.003572	-0.003434	0.003387	-0.000743	-0.000220
A	-0.003572	0.010395	0.003927	-0.010445	-0.000308	0.000099512
M_bin	-0.003434	0.003927	0.008714	-0.008684	-0.000534	0.000145
int	0.003387	-0.010445	-0.008684	0.021436	0.000557	0.000054073
C	-0.000743	-0.000308	-0.000534	0.000557	0.001127	0.000104
Scale	-0.000220	0.000099512	0.000145	0.000054073	0.000104	0.000939

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	747
Right Censored Values	253
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1482.300936

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2964.602
AIC (smaller is better)	2976.602
AICC (smaller is better)	2976.686
BIC (smaller is better)	3006.048

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2921.25
Weibull AIC (smaller is better)	-2909.25
Weibull AICC (smaller is better)	-2909.17
Weibull BIC (smaller is better)	-2879.80

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.2805	0.1310
M_bin	1	0.0012	0.9722
int	1	12.9064	0.0003
C	1	4.7304	0.0296

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.0720	0.0679	-3.2051 -2.9390	2049.10	<.0001	
A	1	-0.1484	0.0983	-0.3410 0.0442	2.28	0.1310	
M_bin	1	0.0032	0.0912	-0.1756 0.1820	0.00	0.9722	
int	1	0.5094	0.1418	0.2315 0.7874	12.91	0.0003	
C	1	0.0745	0.0343	0.0074 0.1417	4.73	0.0296	
Scale	1	0.9495	0.0303	0.8920 1.0107			
Weibull Shape	1	1.0532	0.0336	0.9894 1.1210			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004606	-0.003708	-0.003567	0.003693	-0.000960	-0.000048590
A	-0.003708	0.009656	0.003856	-0.009672	-0.000137	-0.000057948
M_bin	-0.003567	0.003856	0.008322	-0.008278	-0.000310	-0.000006428
int	0.003693	-0.009672	-0.008278	0.020108	0.000152	0.000309
C	-0.000960	-0.000137	-0.000310	0.000152	0.001174	0.000047252
Scale	-0.000048590	-0.000057948	-0.000006428	0.000309	0.000047252	0.000915

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1508.300175

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3016.600
AIC (smaller is better)	3028.600
AICC (smaller is better)	3028.685
BIC (smaller is better)	3058.047

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2915.55
Weibull AIC (smaller is better)	-2903.55
Weibull AICC (smaller is better)	-2903.46
Weibull BIC (smaller is better)	-2874.10

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9306	0.3347
M_bin	1	2.6268	0.1051
int	1	6.0928	0.0136
C	1	10.3086	0.0013

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1694	0.0658	-3.2983	-3.0404	2321.54	<.0001
A	1	-0.1001	0.1037	-0.3034	0.1033	0.93	0.3347
M_bin	1	0.1552	0.0958	-0.0325	0.3429	2.63	0.1051
int	1	0.3707	0.1502	0.0764	0.6651	6.09	0.0136
C	1	0.1181	0.0368	0.0460	0.1902	10.31	0.0013
Scale	1	0.9874	0.0316	0.9273	1.0514		
Weibull Shape	1	1.0127	0.0324	0.9511	1.0783		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004327	-0.003621	-0.003458	0.003569	-0.000727	-0.000108
A	-0.003621	0.010764	0.004311	-0.010799	-0.000575	-0.000051841
M_bin	-0.003458	0.004311	0.009172	-0.008953	-0.000898	0.000097775
int	0.003569	-0.010799	-0.008953	0.022558	0.000650	0.000242
C	-0.000727	-0.000575	-0.000898	0.000650	0.001353	0.000080832
Scale	-0.000108	-0.000051841	0.000097775	0.000242	0.000080832	0.001000

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	765
Right Censored Values	235
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1532.143161

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3064.286
AIC (smaller is better)	3076.286
AICC (smaller is better)	3076.371
BIC (smaller is better)	3105.733

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3069.51
Weibull AIC (smaller is better)	-3057.51
Weibull AICC (smaller is better)	-3057.42
Weibull BIC (smaller is better)	-3028.06

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	8.3834	0.0038
M_bin	1	7.5948	0.0059
int	1	0.6200	0.4310
C	1	7.2269	0.0072

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3357	0.0707	-3.4742	-3.1972	2228.68	<.0001
A	1	0.3009	0.1039	0.0972	0.5046	8.38	0.0038
M_bin	1	0.2682	0.0973	0.0774	0.4589	7.59	0.0059
int	1	-0.1148	0.1459	-0.4007	0.1710	0.62	0.4310
C	1	0.0990	0.0368	0.0268	0.1712	7.23	0.0072
Scale	1	0.9942	0.0314	0.9346	1.0576		
Weibull Shape	1	1.0058	0.0317	0.9455	1.0700		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004993	-0.004240	-0.004006	0.004144	-0.000865	-0.000203
A	-0.004240	0.010800	0.004627	-0.010804	-0.000330	0.000209
M_bin	-0.004006	0.004627	0.009468	-0.009327	-0.000690	0.000170
int	0.004144	-0.010804	-0.009327	0.021274	0.000451	-0.000089043
C	-0.000865	-0.000330	-0.000690	0.000451	0.001356	0.000061300
Scale	-0.000203	0.000209	0.000170	-0.000089043	0.000061300	0.000984

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	755
Right Censored Values	245
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1524.081301

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3048.163
AIC (smaller is better)	3060.163
AICC (smaller is better)	3060.247
BIC (smaller is better)	3089.609

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3019.11
Weibull AIC (smaller is better)	-3007.11
Weibull AICC (smaller is better)	-3007.02
Weibull BIC (smaller is better)	-2977.66

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.5547	0.4564
M_bin	1	0.2067	0.6493
int	1	4.9690	0.0258
C	1	8.9246	0.0028

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.1607	0.0710	-3.2999 -3.0216	1982.38	<.0001	
A	1	-0.0765	0.1027	-0.2777 0.1248	0.55	0.4564	
M_bin	1	0.0438	0.0963	-0.1450 0.2325	0.21	0.6493	
int	1	0.3285	0.1474	0.0397 0.6173	4.97	0.0258	
C	1	0.1089	0.0364	0.0374 0.1803	8.92	0.0028	
Scale	1	0.9971	0.0315	0.9372 1.0609			
Weibull Shape	1	1.0029	0.0317	0.9426 1.0670			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005040	-0.004215	-0.003964	0.004298	-0.000961	-0.000098445
A	-0.004215	0.010540	0.004409	-0.010526	-0.000174	-0.000024743
M_bin	-0.003964	0.004409	0.009274	-0.009056	-0.000530	0.000069169
int	0.004298	-0.010526	-0.009056	0.021717	0.000047179	0.000176
C	-0.000961	-0.000174	-0.000530	0.000047179	0.001328	0.000063109
Scale	-0.000098445	-0.000024743	0.000069169	0.000176	0.000063109	0.000994

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	740
Right Censored Values	260
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1524.679931

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3049.360
AIC (smaller is better)	3061.360
AICC (smaller is better)	3061.444
BIC (smaller is better)	3090.806

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2932.09
Weibull AIC (smaller is better)	-2920.09
Weibull AICC (smaller is better)	-2920.01
Weibull BIC (smaller is better)	-2890.65

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	7.8459	0.0051
M_bin	1	13.6991	0.0002
int	1	2.3620	0.1243
C	1	15.6156	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3628	0.0728	-3.5056	-3.2200	2130.93	<.0001
A	1	0.2979	0.1064	0.0895	0.5064	7.85	0.0051
M_bin	1	0.3628	0.0980	0.1707	0.5550	13.70	0.0002
int	1	-0.2345	0.1526	-0.5336	0.0646	2.36	0.1243
C	1	0.1479	0.0374	0.0745	0.2212	15.62	<.0001
Scale	1	1.0191	0.0325	0.9573	1.0849		
Weibull Shape	1	0.9813	0.0313	0.9218	1.0446		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005307	-0.004366	-0.004304	0.004502	-0.001070	-0.000187
A	-0.004366	0.011314	0.004544	-0.011278	-0.000169	0.000163
M_bin	-0.004304	0.004544	0.009611	-0.009535	-0.000257	0.000202
int	0.004502	-0.011278	-0.009535	0.023285	-0.000019811	-0.000099439
C	-0.001070	-0.000169	-0.000257	-0.000019811	0.001400	0.000095738
Scale	-0.000187	0.000163	0.000202	-0.000099439	0.000095738	0.001059

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	768
Right Censored Values	232
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1506.975938

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3013.952
AIC (smaller is better)	3025.952
AICC (smaller is better)	3026.036
BIC (smaller is better)	3055.398

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3102.60
Weibull AIC (smaller is better)	-3090.60
Weibull AICC (smaller is better)	-3090.52
Weibull BIC (smaller is better)	-3061.16

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0566	0.8120
M_bin	1	0.0276	0.8681
int	1	5.2958	0.0214
C	1	2.8402	0.0919

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1364	0.0684	-3.2705	-3.0023	2101.29	<.0001
A	1	-0.0235	0.0988	-0.2172	0.1702	0.06	0.8120
M_bin	1	0.0150	0.0903	-0.1619	0.1919	0.03	0.8681
int	1	0.3295	0.1432	0.0489	0.6102	5.30	0.0214
C	1	0.0573	0.0340	-0.0093	0.1239	2.84	0.0919
Scale	1	0.9640	0.0301	0.9069	1.0248		
Weibull Shape	1	1.0373	0.0323	0.9758	1.1027		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004681	-0.003761	-0.003529	0.003660	-0.000936	-0.000072284
A	-0.003761	0.009763	0.004004	-0.009782	-0.000198	-0.000002613
M_bin	-0.003529	0.004004	0.008149	-0.008071	-0.000485	0.000007662
int	0.003660	-0.009782	-0.008071	0.020506	0.000313	0.000177
C	-0.000936	-0.000198	-0.000485	0.000313	0.001155	0.000035296
Scale	-0.000072284	-0.000002613	0.000007662	0.000177	0.000035296	0.000904

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	756
Right Censored Values	244
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1498.791382

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2997.583
AIC (smaller is better)	3009.583
AICC (smaller is better)	3009.667
BIC (smaller is better)	3039.029

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2997.44
Weibull AIC (smaller is better)	-2985.44
Weibull AICC (smaller is better)	-2985.35
Weibull BIC (smaller is better)	-2955.99

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.7811	0.0288
M_bin	1	22.6018	<.0001
int	1	3.7217	0.0537
C	1	3.7728	0.0521

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2824	0.0661	-3.4119	-3.1528	2466.33	<.0001
A	1	0.2144	0.0981	0.0222	0.4067	4.78	0.0288
M_bin	1	0.4453	0.0937	0.2617	0.6288	22.60	<.0001
int	1	-0.2756	0.1429	-0.5556	0.0044	3.72	0.0537
C	1	0.0674	0.0347	-0.0006	0.1354	3.77	0.0521
Scale	1	0.9608	0.0305	0.9029	1.0224		
Weibull Shape	1	1.0408	0.0330	0.9781	1.1075		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004368	-0.003381	-0.003325	0.003468	-0.000976	-0.000151
A	-0.003381	0.009618	0.003659	-0.009601	-0.000241	0.000092406
M_bin	-0.003325	0.003659	0.008772	-0.008683	-0.000333	0.000243
int	0.003468	-0.009601	-0.008683	0.020407	0.000138	-0.000125
C	-0.000976	-0.000241	-0.000333	0.000138	0.001205	0.000049453
Scale	-0.000151	0.000092406	0.000243	-0.000125	0.000049453	0.000928

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	743
Right Censored Values	257
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1521.48498

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3042.970
AIC (smaller is better)	3054.970
AICC (smaller is better)	3055.055
BIC (smaller is better)	3084.416

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2886.49
Weibull AIC (smaller is better)	-2874.49
Weibull AICC (smaller is better)	-2874.41
Weibull BIC (smaller is better)	-2845.05

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0278	0.8675
M_bin	1	2.4799	0.1153
int	1	2.2685	0.1320
C	1	4.9539	0.0260

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1418	0.0706	-3.2802	-3.0035	1981.54	<.0001
A	1	0.0168	0.1006	-0.1804	0.2139	0.03	0.8675
M_bin	1	0.1521	0.0966	-0.0372	0.3414	2.48	0.1153
int	1	0.2281	0.1514	-0.0687	0.5249	2.27	0.1320
C	1	0.0846	0.0380	0.0101	0.1591	4.95	0.0260
Scale	1	1.0008	0.0322	0.9397	1.0658		
Weibull Shape	1	0.9992	0.0321	0.9382	1.0642		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004982	-0.003839	-0.003620	0.003762	-0.001135	-0.000081624
A	-0.003839	0.010120	0.004222	-0.010136	-0.000318	0.000006957
M_bin	-0.003620	0.004222	0.009331	-0.009224	-0.000600	0.000081109
int	0.003762	-0.010136	-0.009224	0.022936	0.000408	0.000176
C	-0.001135	-0.000318	-0.000600	0.000408	0.001444	0.000060188
Scale	-0.000081624	0.000006957	0.000081109	0.000176	0.000060188	0.001034

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	754
Right Censored Values	246
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1527.427057

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3054.854
AIC (smaller is better)	3066.854
AICC (smaller is better)	3066.939
BIC (smaller is better)	3096.301

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2987.40
Weibull AIC (smaller is better)	-2975.40
Weibull AICC (smaller is better)	-2975.32
Weibull BIC (smaller is better)	-2945.95

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.6084	0.1063
M_bin	1	1.0763	0.2995
int	1	2.2262	0.1357
C	1	5.5568	0.0184

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.0909	0.0750	-3.2378	-2.9440	1699.65	<.0001
A	1	-0.1696	0.1050	-0.3753	0.0362	2.61	0.1063
M_bin	1	0.1019	0.0982	-0.0906	0.2945	1.08	0.2995
int	1	0.2210	0.1481	-0.0693	0.5113	2.23	0.1357
C	1	0.0867	0.0368	0.0146	0.1587	5.56	0.0184
Scale	1	1.0032	0.0318	0.9428	1.0674		
Weibull Shape	1	0.9969	0.0316	0.9369	1.0607		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005621	-0.004727	-0.004498	0.004683	-0.000964	-0.000061241
A	-0.004727	0.011023	0.005057	-0.011038	-0.000287	-0.000071185
M_bin	-0.004498	0.005057	0.009652	-0.009515	-0.000611	0.000066903
int	0.004683	-0.011038	-0.009515	0.021940	0.000348	0.000104
C	-0.000964	-0.000287	-0.000611	0.000348	0.001351	0.000060230
Scale	-0.000061241	-0.000071185	0.000066903	0.000104	0.000060230	0.001009

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	759
Right Censored Values	241
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1542.108212

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3084.216
AIC (smaller is better)	3096.216
AICC (smaller is better)	3096.301
BIC (smaller is better)	3125.663

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3039.90
Weibull AIC (smaller is better)	-3027.90
Weibull AICC (smaller is better)	-3027.81
Weibull BIC (smaller is better)	-2998.45

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.5853	0.2080
M_bin	1	2.3791	0.1230
int	1	3.1039	0.0781
C	1	6.5310	0.0106

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2762	0.0730	-3.4192	-3.1332	2016.48	<.0001
A	1	0.1330	0.1057	-0.0741	0.3402	1.59	0.2080
M_bin	1	0.1482	0.0961	-0.0401	0.3366	2.38	0.1230
int	1	0.2643	0.1500	-0.0297	0.5583	3.10	0.0781
C	1	0.0929	0.0364	0.0217	0.1642	6.53	0.0106
Scale	1	1.0124	0.0321	0.9514	1.0772		
Weibull Shape	1	0.9878	0.0313	0.9283	1.0511		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005323	-0.004393	-0.004063	0.004396	-0.001064	-0.000146
A	-0.004393	0.011167	0.004498	-0.011145	-0.000087776	0.000075114
M_bin	-0.004063	0.004498	0.009234	-0.009033	-0.000502	0.000089443
int	0.004396	-0.011145	-0.009033	0.022505	0.000053251	0.000177
C	-0.001064	-0.000087776	-0.000502	0.000053251	0.001322	0.000055817
Scale	-0.000146	0.000075114	0.000089443	0.000177	0.000055817	0.001029

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA143
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	739
Right Censored Values	261
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1458.607123

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2917.214
AIC (smaller is better)	2929.214
AICC (smaller is better)	2929.299
BIC (smaller is better)	2958.661

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2894.64
Weibull AIC (smaller is better)	-2882.64
Weibull AICC (smaller is better)	-2882.56
Weibull BIC (smaller is better)	-2853.20

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7496	0.3866
M_bin	1	4.2563	0.0391
int	1	1.2457	0.2644
C	1	30.8871	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2871	0.0669	-3.4183	-3.1559	2412.49	<.0001
A	1	0.0838	0.0968	-0.1060	0.2737	0.75	0.3866
M_bin	1	0.1845	0.0894	0.0092	0.3598	4.26	0.0391
int	1	0.1571	0.1407	-0.1188	0.4330	1.25	0.2644
C	1	0.1885	0.0339	0.1220	0.2549	30.89	<.0001
Scale	1	0.9340	0.0298	0.8773	0.9944		
Weibull Shape	1	1.0706	0.0342	1.0056	1.1398		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004479	-0.003747	-0.003443	0.003644	-0.000915	-0.000156
A	-0.003747	0.009379	0.003758	-0.009367	-0.000003950	0.000073484
M_bin	-0.003443	0.003758	0.007997	-0.007868	-0.000393	0.000106
int	0.003644	-0.009367	-0.007868	0.019810	0.000118	0.000091354
C	-0.000915	-0.000003950	-0.000393	0.000118	0.001150	0.000102
Scale	-0.000156	0.000073484	0.000106	0.000091354	0.000102	0.000891

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	758
Right Censored Values	242
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1500.454131

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3000.908
AIC (smaller is better)	3012.908
AICC (smaller is better)	3012.993
BIC (smaller is better)	3042.355

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2989.62
Weibull AIC (smaller is better)	-2977.62
Weibull AICC (smaller is better)	-2977.53
Weibull BIC (smaller is better)	-2948.17

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.4697	0.2254
M_bin	1	11.1361	0.0008
int	1	0.2493	0.6176
C	1	6.0051	0.0143

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2269	0.0651	-3.3546	-3.0993	2456.51	<.0001
A	1	0.1198	0.0989	-0.0739	0.3136	1.47	0.2254
M_bin	1	0.3043	0.0912	0.1256	0.4830	11.14	0.0008
int	1	-0.0712	0.1426	-0.3506	0.2082	0.25	0.6176
C	1	0.0842	0.0343	0.0169	0.1515	6.01	0.0143
Scale	1	0.9566	0.0303	0.8990	1.0179		
Weibull Shape	1	1.0454	0.0331	0.9824	1.1124		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004239	-0.003454	-0.003276	0.003430	-0.000871	-0.000123
A	-0.003454	0.009772	0.003678	-0.009768	-0.000195	0.000084730
M_bin	-0.003276	0.003678	0.008315	-0.008205	-0.000445	0.000143
int	0.003430	-0.009768	-0.008205	0.020321	0.000218	-0.000014178
C	-0.000871	-0.000195	-0.000445	0.000218	0.001180	0.000050498
Scale	-0.000123	0.000084730	0.000143	-0.000014178	0.000050498	0.000919

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	766
Right Censored Values	234
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1494.563881

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2989.128
AIC (smaller is better)	3001.128
AICC (smaller is better)	3001.212
BIC (smaller is better)	3030.574

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3061.70
Weibull AIC (smaller is better)	-3049.70
Weibull AICC (smaller is better)	-3049.62
Weibull BIC (smaller is better)	-3020.25

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9473	0.3304
M_bin	1	8.1886	0.0042
int	1	1.1430	0.2850
C	1	0.9898	0.3198

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2202	0.0682	-3.3539	-3.0865	2229.10	<.0001
A	1	0.0922	0.0947	-0.0934	0.2777	0.95	0.3304
M_bin	1	0.2601	0.0909	0.0820	0.4383	8.19	0.0042
int	1	0.1487	0.1391	-0.1239	0.4213	1.14	0.2850
C	1	0.0337	0.0339	-0.0327	0.1002	0.99	0.3198
Scale	1	0.9479	0.0298	0.8913	1.0082		
Weibull Shape	1	1.0549	0.0332	0.9919	1.1220		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004652	-0.003714	-0.003589	0.003860	-0.000987	-0.000132
A	-0.003714	0.008966	0.003822	-0.008944	-0.000096139	0.000044003
M_bin	-0.003589	0.003822	0.008263	-0.008140	-0.000259	0.000158
int	0.003860	-0.008944	-0.008140	0.019343	-0.000090699	0.000075400
C	-0.000987	-0.000096139	-0.000259	-0.000090699	0.001149	0.000028592
Scale	-0.000132	0.000044003	0.000158	0.000075400	0.000028592	0.000888

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	741
Right Censored Values	259
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1469.099832

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2938.200
AIC (smaller is better)	2950.200
AICC (smaller is better)	2950.284
BIC (smaller is better)	2979.646

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2886.55
Weibull AIC (smaller is better)	-2874.55
Weibull AICC (smaller is better)	-2874.46
Weibull BIC (smaller is better)	-2845.10

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.2748	0.6001
M_bin	1	6.8359	0.0089
int	1	2.4820	0.1152
C	1	9.5666	0.0020

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1891	0.0667	-3.3199	-3.0583	2284.48	<.0001
A	1	-0.0522	0.0997	-0.2476	0.1431	0.27	0.6001
M_bin	1	0.2405	0.0920	0.0602	0.4208	6.84	0.0089
int	1	0.2229	0.1415	-0.0544	0.5001	2.48	0.1152
C	1	0.1048	0.0339	0.0384	0.1712	9.57	0.0020
Scale	1	0.9459	0.0302	0.8885	1.0071		
Weibull Shape	1	1.0572	0.0338	0.9930	1.1255		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004452	-0.003793	-0.003549	0.003787	-0.000812	-0.000108
A	-0.003793	0.009930	0.003917	-0.009932	-0.000113	-0.000022853
M_bin	-0.003549	0.003917	0.008461	-0.008262	-0.000474	0.000131
int	0.003787	-0.009932	-0.008262	0.020009	0.000110	0.000127
C	-0.000812	-0.000113	-0.000474	0.000110	0.001147	0.000065486
Scale	-0.000108	-0.000022853	0.000131	0.000127	0.000065486	0.000914

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	765
Right Censored Values	235
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1511.421758

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3022.844
AIC (smaller is better)	3034.844
AICC (smaller is better)	3034.928
BIC (smaller is better)	3064.290

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3116.40
Weibull AIC (smaller is better)	-3104.40
Weibull AICC (smaller is better)	-3104.32
Weibull BIC (smaller is better)	-3074.95

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.0492	0.1523
M_bin	1	7.9998	0.0047
int	1	0.0048	0.9449
C	1	16.8789	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3541	0.0677	-3.4868	-3.2214	2454.66	<.0001
A	1	0.1489	0.1040	-0.0550	0.3528	2.05	0.1523
M_bin	1	0.2606	0.0921	0.0800	0.4411	8.00	0.0047
int	1	-0.0101	0.1465	-0.2973	0.2770	0.00	0.9449
C	1	0.1397	0.0340	0.0731	0.2064	16.88	<.0001
Scale	1	0.9811	0.0306	0.9230	1.0428		
Weibull Shape	1	1.0193	0.0317	0.9589	1.0835		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004583	-0.003836	-0.003654	0.003704	-0.000800	-0.000188
A	-0.003836	0.010824	0.004170	-0.010860	-0.000278	0.000102
M_bin	-0.003654	0.004170	0.008487	-0.008412	-0.000557	0.000159
int	0.003704	-0.010860	-0.008412	0.021468	0.000458	-0.000038788
C	-0.000800	-0.000278	-0.000557	0.000458	0.001157	0.000076688
Scale	-0.000188	0.000102	0.000159	-0.000038788	0.000076688	0.000934

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	747
Right Censored Values	253
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1543.683328

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3087.367
AIC (smaller is better)	3099.367
AICC (smaller is better)	3099.451
BIC (smaller is better)	3128.813

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2981.88
Weibull AIC (smaller is better)	-2969.88
Weibull AICC (smaller is better)	-2969.80
Weibull BIC (smaller is better)	-2940.44

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.9118	0.0479
M_bin	1	5.3853	0.0203
int	1	0.2373	0.6262
C	1	6.6857	0.0097

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2990	0.0724	-3.4409	-3.1572	2077.72	<.0001
A	1	0.2180	0.1102	0.0020	0.4341	3.91	0.0479
M_bin	1	0.2294	0.0988	0.0356	0.4231	5.39	0.0203
int	1	0.0755	0.1551	-0.2284	0.3794	0.24	0.6262
C	1	0.0937	0.0362	0.0227	0.1647	6.69	0.0097
Scale	1	1.0344	0.0329	0.9719	1.1009		
Weibull Shape	1	0.9668	0.0307	0.9084	1.0289		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005238	-0.004384	-0.004181	0.004323	-0.000942	-0.000152
A	-0.004384	0.012151	0.004673	-0.012140	-0.000251	0.000115
M_bin	-0.004181	0.004673	0.009768	-0.009649	-0.000537	0.000117
int	0.004323	-0.012140	-0.009649	0.024044	0.000312	0.000077756
C	-0.000942	-0.000251	-0.000537	0.000312	0.001313	0.000071254
Scale	-0.000152	0.000115	0.000117	0.000077756	0.000071254	0.001081

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	756
Right Censored Values	244
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1513.362148

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3026.724
AIC (smaller is better)	3038.724
AICC (smaller is better)	3038.809
BIC (smaller is better)	3068.171

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3011.65
Weibull AIC (smaller is better)	-2999.65
Weibull AICC (smaller is better)	-2999.57
Weibull BIC (smaller is better)	-2970.20

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.9754	0.1599
M_bin	1	5.3348	0.0209
int	1	0.8492	0.3568
C	1	19.1599	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2803	0.0688	-3.4150	-3.1455	2276.42	<.0001
A	1	0.1489	0.1060	-0.0588	0.3567	1.98	0.1599
M_bin	1	0.2197	0.0951	0.0333	0.4061	5.33	0.0209
int	1	-0.1350	0.1464	-0.4220	0.1521	0.85	0.3568
C	1	0.1544	0.0353	0.0853	0.2236	19.16	<.0001
Scale	1	0.9861	0.0311	0.9269	1.0490		
Weibull Shape	1	1.0141	0.0320	0.9533	1.0788		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004727	-0.004036	-0.003869	0.004089	-0.000777	-0.000180
A	-0.004036	0.011231	0.004418	-0.011201	-0.000333	0.000106
M_bin	-0.003869	0.004418	0.009047	-0.008845	-0.000612	0.000141
int	0.004089	-0.011201	-0.008845	0.021447	0.000240	-0.000075030
C	-0.000777	-0.000333	-0.000612	0.000240	0.001245	0.000102
Scale	-0.000180	0.000106	0.000141	-0.000075030	0.000102	0.000968

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1473.456883

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2946.914
AIC (smaller is better)	2958.914
AICC (smaller is better)	2958.998
BIC (smaller is better)	2988.360

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2904.10
Weibull AIC (smaller is better)	-2892.10
Weibull AICC (smaller is better)	-2892.01
Weibull BIC (smaller is better)	-2862.65

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.3197	0.1277
M_bin	1	6.3110	0.0120
int	1	0.0580	0.8097
C	1	2.8117	0.0936

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1906	0.0680	-3.3238	-3.0574	2204.50	<.0001
A	1	0.1541	0.1012	-0.0442	0.3523	2.32	0.1277
M_bin	1	0.2261	0.0900	0.0497	0.4025	6.31	0.0120
int	1	0.0342	0.1420	-0.2442	0.3126	0.06	0.8097
C	1	0.0608	0.0363	-0.0103	0.1319	2.81	0.0936
Scale	1	0.9441	0.0301	0.8869	1.0050		
Weibull Shape	1	1.0592	0.0338	0.9951	1.1275		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004618	-0.003558	-0.003458	0.003549	-0.001025	-0.000125
A	-0.003558	0.010234	0.003954	-0.010222	-0.000339	0.000109
M_bin	-0.003458	0.003954	0.008102	-0.008026	-0.000474	0.000159
int	0.003549	-0.010222	-0.008026	0.020172	0.000339	-0.000022525
C	-0.001025	-0.000339	-0.000474	0.000339	0.001316	0.000038883
Scale	-0.000125	0.000109	0.000159	-0.000022525	0.000038883	0.000905

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	744
Right Censored Values	256
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1540.256167

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3080.512
AIC (smaller is better)	3092.512
AICC (smaller is better)	3092.597
BIC (smaller is better)	3121.959

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2916.35
Weibull AIC (smaller is better)	-2904.35
Weibull AICC (smaller is better)	-2904.27
Weibull BIC (smaller is better)	-2874.90

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.8414	0.0500
M_bin	1	1.0857	0.2974
int	1	2.5473	0.1105
C	1	12.5504	0.0004

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.1145	0.0763	-3.2641 -2.9649	1665.21	<.0001	
A	1	-0.2102	0.1072	-0.4203 0.0000	3.84	0.0500	
M_bin	1	0.1061	0.1018	-0.0934 0.3056	1.09	0.2974	
int	1	0.2424	0.1519	-0.0553 0.5401	2.55	0.1105	
C	1	0.1399	0.0395	0.0625 0.2173	12.55	0.0004	
Scale	1	1.0270	0.0329	0.9645 1.0935			
Weibull Shape	1	0.9737	0.0312	0.9145 1.0368			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005825	-0.004523	-0.004454	0.004613	-0.001254	-0.000060534
A	-0.004523	0.011499	0.004914	-0.011474	-0.000365	-0.000098203
M_bin	-0.004454	0.004914	0.010362	-0.010288	-0.000448	0.000071807
int	0.004613	-0.011474	-0.010288	0.023071	0.000253	0.000117
C	-0.001254	-0.000365	-0.000448	0.000253	0.001559	0.000088004
Scale	-0.000060534	-0.000098203	0.000071807	0.000117	0.000088004	0.001083

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	751
Right Censored Values	249
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1524.064026

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3048.128
AIC (smaller is better)	3060.128
AICC (smaller is better)	3060.213
BIC (smaller is better)	3089.575

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2953.79
Weibull AIC (smaller is better)	-2941.79
Weibull AICC (smaller is better)	-2941.71
Weibull BIC (smaller is better)	-2912.35

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0936	0.7597
M_bin	1	6.4029	0.0114
int	1	0.0009	0.9763
C	1	2.4754	0.1156

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1541	0.0726	-3.2964	-3.0117	1885.45	<.0001
A	1	0.0319	0.1042	-0.1724	0.2361	0.09	0.7597
M_bin	1	0.2357	0.0931	0.0531	0.4182	6.40	0.0114
int	1	0.0044	0.1497	-0.2890	0.2979	0.00	0.9763
C	1	0.0563	0.0358	-0.0138	0.1264	2.48	0.1156
Scale	1	0.9952	0.0317	0.9350	1.0593		
Weibull Shape	1	1.0048	0.0320	0.9440	1.0695		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005276	-0.004319	-0.003900	0.004377	-0.001144	-0.000091071
A	-0.004319	0.010859	0.004233	-0.010863	0.000074243	0.000032640
M_bin	-0.003900	0.004233	0.008675	-0.008482	-0.000402	0.000155
int	0.004377	-0.010863	-0.008482	0.022422	-0.000139	-0.000038653
C	-0.001144	0.000074243	-0.000402	-0.000139	0.001280	0.000042024
Scale	-0.000091071	0.000032640	0.000155	-0.000038653	0.000042024	0.001004

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1499.470017

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2998.940
AIC (smaller is better)	3010.940
AICC (smaller is better)	3011.025
BIC (smaller is better)	3040.387

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2925.21
Weibull AIC (smaller is better)	-2913.21
Weibull AICC (smaller is better)	-2913.12
Weibull BIC (smaller is better)	-2883.76

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7220	0.3955
M_bin	1	0.4745	0.4909
int	1	3.8580	0.0495
C	1	7.2861	0.0069

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1742	0.0664	-3.3043	-3.0441	2286.83	<.0001
A	1	0.0858	0.1010	-0.1121	0.2837	0.72	0.3955
M_bin	1	0.0647	0.0939	-0.1193	0.2486	0.47	0.4909
int	1	0.2889	0.1471	0.0006	0.5771	3.86	0.0495
C	1	0.0959	0.0355	0.0263	0.1655	7.29	0.0069
Scale	1	0.9750	0.0311	0.9160	1.0378		
Weibull Shape	1	1.0256	0.0327	0.9635	1.0917		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004406	-0.003588	-0.003466	0.003626	-0.000812	-0.000088499
A	-0.003588	0.010192	0.004125	-0.010141	-0.000463	0.000072700
M_bin	-0.003466	0.004125	0.008812	-0.008661	-0.000650	0.000037869
int	0.003626	-0.010141	-0.008661	0.021631	0.000383	0.000152
C	-0.000812	-0.000463	-0.000650	0.000383	0.001261	0.000052286
Scale	-0.000088499	0.000072700	0.000037869	0.000152	0.000052286	0.000964

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	760
Right Censored Values	240
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1489.270275

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2978.541
AIC (smaller is better)	2990.541
AICC (smaller is better)	2990.625
BIC (smaller is better)	3019.987

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3002.66
Weibull AIC (smaller is better)	-2990.66
Weibull AICC (smaller is better)	-2990.58
Weibull BIC (smaller is better)	-2961.21

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1978	0.6565
M_bin	1	2.8803	0.0897
int	1	1.3215	0.2503
C	1	8.3093	0.0039

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1963	0.0667	-3.3270	-3.0656	2295.91	<.0001
A	1	0.0439	0.0988	-0.1497	0.2375	0.20	0.6565
M_bin	1	0.1529	0.0901	-0.0237	0.3294	2.88	0.0897
int	1	0.1620	0.1409	-0.1142	0.4381	1.32	0.2503
C	1	0.0999	0.0347	0.0320	0.1679	8.31	0.0039
Scale	1	0.9489	0.0299	0.8921	1.0094		
Weibull Shape	1	1.0538	0.0332	0.9907	1.1210		

Estimated Covariance Matrix							
	Intercept	A	M_bin	int	C	Scale	
Intercept	0.004450	-0.003643	-0.003448	0.003638	-0.000868	-0.000127	
A	-0.003643	0.009755	0.003930	-0.009743	-0.000246	0.000048791	
M_bin	-0.003448	0.003930	0.008114	-0.007964	-0.000524	0.000087253	
int	0.003638	-0.009743	-0.007964	0.019852	0.000236	0.000088271	
C	-0.000868	-0.000246	-0.000524	0.000236	0.001202	0.000059878	
Scale	-0.000127	0.000048791	0.000087253	0.000088271	0.000059878	0.000894	

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	735
Right Censored Values	265
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1510.117156

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3020.234
AIC (smaller is better)	3032.234
AICC (smaller is better)	3032.319
BIC (smaller is better)	3061.681

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2878.84
Weibull AIC (smaller is better)	-2866.84
Weibull AICC (smaller is better)	-2866.75
Weibull BIC (smaller is better)	-2837.39

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0831	0.7731
M_bin	1	2.1570	0.1419
int	1	3.3764	0.0661
C	1	21.0462	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2341	0.0735	-3.3781	-3.0901	1937.32	<.0001
A	1	-0.0307	0.1063	-0.2391	0.1778	0.08	0.7731
M_bin	1	0.1389	0.0946	-0.0465	0.3243	2.16	0.1419
int	1	0.2800	0.1524	-0.0187	0.5786	3.38	0.0661
C	1	0.1684	0.0367	0.0965	0.2403	21.05	<.0001
Scale	1	1.0031	0.0322	0.9419	1.0683		
Weibull Shape	1	0.9969	0.0320	0.9361	1.0616		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005399	-0.004269	-0.004212	0.004398	-0.001140	-0.000123
A	-0.004269	0.011307	0.004472	-0.011282	-0.000194	-0.000006370
M_bin	-0.004212	0.004472	0.008948	-0.008874	-0.000265	0.000081941
int	0.004398	-0.011282	-0.008874	0.023219	0.000034404	0.000186
C	-0.001140	-0.000194	-0.000265	0.000034404	0.001347	0.000105
Scale	-0.000123	-0.000006370	0.000081941	0.000186	0.000105	0.001038

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	741
Right Censored Values	259
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1473.717819

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2947.436
AIC (smaller is better)	2959.436
AICC (smaller is better)	2959.520
BIC (smaller is better)	2988.882

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2862.32
Weibull AIC (smaller is better)	-2850.32
Weibull AICC (smaller is better)	-2850.24
Weibull BIC (smaller is better)	-2820.87

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0144	0.9045
M_bin	1	1.6131	0.2041
int	1	2.8549	0.0911
C	1	13.9269	0.0002

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1658	0.0640	-3.2913	-3.0403	2444.93	<.0001
A	1	0.0119	0.0995	-0.1831	0.2070	0.01	0.9045
M_bin	1	0.1184	0.0932	-0.0643	0.3012	1.61	0.2041
int	1	0.2404	0.1423	-0.0385	0.5192	2.85	0.0911
C	1	0.1327	0.0356	0.0630	0.2024	13.93	0.0002
Scale	1	0.9447	0.0304	0.8870	1.0062		
Weibull Shape	1	1.0585	0.0341	0.9938	1.1274		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004099	-0.003391	-0.003291	0.003379	-0.000719	-0.000099181
A	-0.003391	0.009901	0.003989	-0.009892	-0.000528	0.000015989
M_bin	-0.003291	0.003989	0.008695	-0.008573	-0.000708	0.000047033
int	0.003379	-0.009892	-0.008573	0.020242	0.000531	0.000167
C	-0.000719	-0.000528	-0.000708	0.000531	0.001264	0.000084230
Scale	-0.000099181	0.000015989	0.000047033	0.000167	0.000084230	0.000924

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	766
Right Censored Values	234
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1556.318698

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3112.637
AIC (smaller is better)	3124.637
AICC (smaller is better)	3124.722
BIC (smaller is better)	3154.084

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3151.74
Weibull AIC (smaller is better)	-3139.74
Weibull AICC (smaller is better)	-3139.66
Weibull BIC (smaller is better)	-3110.29

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1698	0.2794
M_bin	1	13.5091	0.0002
int	1	0.0376	0.8463
C	1	9.9031	0.0017

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3807	0.0718	-3.5214	-3.2399	2216.14	<.0001
A	1	0.1148	0.1061	-0.0932	0.3228	1.17	0.2794
M_bin	1	0.3623	0.0986	0.1691	0.5555	13.51	0.0002
int	1	-0.0294	0.1518	-0.3269	0.2681	0.04	0.8463
C	1	0.1157	0.0368	0.0436	0.1877	9.90	0.0017
Scale	1	1.0311	0.0322	0.9698	1.0963		
Weibull Shape	1	0.9698	0.0303	0.9122	1.0311		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005157	-0.004184	-0.004042	0.004310	-0.001094	-0.000201
A	-0.004184	0.011263	0.004296	-0.011246	-0.000100	0.000086459
M_bin	-0.004042	0.004296	0.009715	-0.009589	-0.000299	0.000218
int	0.004310	-0.011246	-0.009589	0.023038	-0.000065242	-0.000037353
C	-0.001094	-0.000100	-0.000299	-0.000065242	0.001351	0.000074416
Scale	-0.000201	0.000086459	0.000218	-0.000037353	0.000074416	0.001039

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	727
Right Censored Values	273
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1517.444197

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3034.888
AIC (smaller is better)	3046.888
AICC (smaller is better)	3046.973
BIC (smaller is better)	3076.335

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2791.35
Weibull AIC (smaller is better)	-2779.35
Weibull AICC (smaller is better)	-2779.27
Weibull BIC (smaller is better)	-2749.91

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0279	0.8673
M_bin	1	6.3181	0.0120
int	1	1.3740	0.2411
C	1	7.9803	0.0047

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1822	0.0721	-3.3235	-3.0409	1948.53	<.0001
A	1	0.0179	0.1073	-0.1924	0.2282	0.03	0.8673
M_bin	1	0.2476	0.0985	0.0545	0.4407	6.32	0.0120
int	1	0.1811	0.1545	-0.1217	0.4838	1.37	0.2411
C	1	0.1053	0.0373	0.0323	0.1784	7.98	0.0047
Scale	1	1.0146	0.0330	0.9519	1.0814		
Weibull Shape	1	0.9856	0.0321	0.9247	1.0506		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005197	-0.004289	-0.003920	0.004143	-0.001052	-0.000090159
A	-0.004289	0.011514	0.004469	-0.011531	-0.000146	0.000009208
M_bin	-0.003920	0.004469	0.009706	-0.009504	-0.000644	0.000168
int	0.004143	-0.011531	-0.009504	0.023864	0.000332	0.000133
C	-0.001052	-0.000146	-0.000644	0.000332	0.001391	0.000061039
Scale	-0.000090159	0.000009208	0.000168	0.000133	0.000061039	0.001091

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	740
Right Censored Values	260
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1557.203762

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3114.408
AIC (smaller is better)	3126.408
AICC (smaller is better)	3126.492
BIC (smaller is better)	3155.854

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2914.39
Weibull AIC (smaller is better)	-2902.39
Weibull AICC (smaller is better)	-2902.30
Weibull BIC (smaller is better)	-2872.94

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9919	0.3193
M_bin	1	7.1015	0.0077
int	1	0.0619	0.8035
C	1	6.1920	0.0128

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2352	0.0740	-3.3802	-3.0902	1911.40	<.0001
A	1	0.1094	0.1098	-0.1059	0.3246	0.99	0.3193
M_bin	1	0.2686	0.1008	0.0711	0.4662	7.10	0.0077
int	1	0.0395	0.1589	-0.2719	0.3510	0.06	0.8035
C	1	0.0963	0.0387	0.0205	0.1722	6.19	0.0128
Scale	1	1.0542	0.0339	0.9898	1.1227		
Weibull Shape	1	0.9486	0.0305	0.8907	1.0103		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005476	-0.004362	-0.004210	0.004422	-0.001173	-0.000104
A	-0.004362	0.012058	0.004639	-0.012037	-0.000250	0.000055982
M_bin	-0.004210	0.004639	0.010161	-0.010043	-0.000450	0.000150
int	0.004422	-0.012037	-0.010043	0.025251	0.000165	0.000059394
C	-0.001173	-0.000250	-0.000450	0.000165	0.001498	0.000061742
Scale	-0.000104	0.000055982	0.000150	0.000059394	0.000061742	0.001149

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	753
Right Censored Values	247
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1530.08378

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3060.168
AIC (smaller is better)	3072.168
AICC (smaller is better)	3072.252
BIC (smaller is better)	3101.614

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2976.38
Weibull AIC (smaller is better)	-2964.38
Weibull AICC (smaller is better)	-2964.29
Weibull BIC (smaller is better)	-2934.93

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8137	0.3670
M_bin	1	0.1463	0.7021
int	1	1.4187	0.2336
C	1	2.4051	0.1209

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1215	0.0714	-3.2614	-2.9816	1911.79	<.0001
A	1	0.0928	0.1029	-0.1089	0.2946	0.81	0.3670
M_bin	1	0.0364	0.0952	-0.1501	0.2230	0.15	0.7021
int	1	0.1779	0.1494	-0.1148	0.4706	1.42	0.2336
C	1	0.0588	0.0379	-0.0155	0.1331	2.41	0.1209
Scale	1	1.0029	0.0318	0.9425	1.0673		
Weibull Shape	1	0.9971	0.0316	0.9370	1.0610		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005097	-0.004098	-0.003939	0.004322	-0.001129	-0.000049297
A	-0.004098	0.010594	0.004244	-0.010553	-0.000144	0.000064443
M_bin	-0.003939	0.004244	0.009059	-0.008939	-0.000344	0.000010421
int	0.004322	-0.010553	-0.008939	0.022306	-0.000147	0.000105
C	-0.001129	-0.000144	-0.000344	-0.000147	0.001437	0.000028697
Scale	-0.000049297	0.000064443	0.000010421	0.000105	0.000028697	0.001012

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	764
Right Censored Values	236
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1566.711685

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3133.423
AIC (smaller is better)	3145.423
AICC (smaller is better)	3145.508
BIC (smaller is better)	3174.870

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3096.38
Weibull AIC (smaller is better)	-3084.38
Weibull AICC (smaller is better)	-3084.29
Weibull BIC (smaller is better)	-3054.93

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0021	0.9634
M_bin	1	1.3851	0.2392
int	1	4.4976	0.0339
C	1	6.3944	0.0114

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2412	0.0755	-3.3891	-3.0932	1843.39	<.0001
A	1	0.0050	0.1084	-0.2075	0.2175	0.00	0.9634
M_bin	1	0.1154	0.0980	-0.0768	0.3075	1.39	0.2392
int	1	0.3298	0.1555	0.0250	0.6346	4.50	0.0339
C	1	0.0981	0.0388	0.0221	0.1742	6.39	0.0114
Scale	1	1.0459	0.0329	0.9834	1.1125		
Weibull Shape	1	0.9561	0.0301	0.8989	1.0169		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005699	-0.004719	-0.004226	0.004551	-0.001225	-0.000139
A	-0.004719	0.011754	0.004686	-0.011747	0.000027621	0.000022091
M_bin	-0.004226	0.004686	0.009607	-0.009415	-0.000586	0.000071395
int	0.004551	-0.011747	-0.009415	0.024183	0.000159	0.000196
C	-0.001225	0.000027621	-0.000586	0.000159	0.001507	0.000066521
Scale	-0.000139	0.000022091	0.000071395	0.000196	0.000066521	0.001082

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	752
Right Censored Values	248
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1502.022459

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3004.045
AIC (smaller is better)	3016.045
AICC (smaller is better)	3016.130
BIC (smaller is better)	3045.491

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3004.50
Weibull AIC (smaller is better)	-2992.50
Weibull AICC (smaller is better)	-2992.42
Weibull BIC (smaller is better)	-2963.06

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.2722	0.0387
M_bin	1	5.1346	0.0235
int	1	0.1869	0.6655
C	1	8.6226	0.0033

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2979	0.0697	-3.4344	-3.1614	2241.27	<.0001
A	1	0.2105	0.1019	0.0109	0.4102	4.27	0.0387
M_bin	1	0.2101	0.0927	0.0284	0.3917	5.13	0.0235
int	1	0.0631	0.1459	-0.2229	0.3490	0.19	0.6655
C	1	0.1037	0.0353	0.0345	0.1729	8.62	0.0033
Scale	1	0.9752	0.0308	0.9166	1.0375		
Weibull Shape	1	1.0255	0.0324	0.9639	1.0910		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004853	-0.003913	-0.003742	0.003792	-0.000963	-0.000152
A	-0.003913	0.010376	0.004213	-0.010389	-0.000253	0.000083722
M_bin	-0.003742	0.004213	0.008593	-0.008526	-0.000483	0.000123
int	0.003792	-0.010389	-0.008526	0.021281	0.000391	0.000066952
C	-0.000963	-0.000253	-0.000483	0.000391	0.001246	0.000068584
Scale	-0.000152	0.000083722	0.000123	0.000066952	0.000068584	0.000949

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	729
Right Censored Values	271
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1547.700554

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3095.401
AIC (smaller is better)	3107.401
AICC (smaller is better)	3107.486
BIC (smaller is better)	3136.848

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2835.08
Weibull AIC (smaller is better)	-2823.08
Weibull AICC (smaller is better)	-2822.99
Weibull BIC (smaller is better)	-2793.63

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1708	0.6794
M_bin	1	7.0719	0.0078
int	1	1.5047	0.2199
C	1	12.4987	0.0004

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2204	0.0750	-3.3674	-3.0734	1843.53	<.0001
A	1	-0.0447	0.1082	-0.2569	0.1674	0.17	0.6794
M_bin	1	0.2801	0.1053	0.0737	0.4866	7.07	0.0078
int	1	0.1949	0.1589	-0.1165	0.5062	1.50	0.2199
C	1	0.1390	0.0393	0.0620	0.2161	12.50	0.0004
Scale	1	1.0570	0.0344	0.9916	1.1267		
Weibull Shape	1	0.9461	0.0308	0.8876	1.0085		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005626	-0.004519	-0.004470	0.004731	-0.001160	-0.000107
A	-0.004519	0.011715	0.004825	-0.011662	-0.000312	-0.000059980
M_bin	-0.004470	0.004825	0.011096	-0.010934	-0.000387	0.000188
int	0.004731	-0.011662	-0.010934	0.025236	0.000023112	0.000184
C	-0.001160	-0.000312	-0.000387	0.000023112	0.001546	0.000094047
Scale	-0.000107	-0.000059980	0.000188	0.000184	0.000094047	0.001185

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	718
Right Censored Values	282
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1511.319885

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3022.640
AIC (smaller is better)	3034.640
AICC (smaller is better)	3034.724
BIC (smaller is better)	3064.086

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2736.64
Weibull AIC (smaller is better)	-2724.64
Weibull AICC (smaller is better)	-2724.56
Weibull BIC (smaller is better)	-2695.20

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0003	0.9868
M_bin	1	5.1749	0.0229
int	1	0.5079	0.4761
C	1	3.5988	0.0578

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1136	0.0769	-3.2643	-2.9629	1639.95	<.0001
A	1	-0.0018	0.1062	-0.2099	0.2064	0.00	0.9868
M_bin	1	0.2361	0.1038	0.0327	0.4395	5.17	0.0229
int	1	0.1093	0.1534	-0.1914	0.4101	0.51	0.4761
C	1	0.0737	0.0388	-0.0024	0.1498	3.60	0.0578
Scale	1	1.0190	0.0332	0.9559	1.0863		
Weibull Shape	1	0.9813	0.0320	0.9205	1.0461		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005912	-0.004747	-0.004510	0.004656	-0.001193	-0.000038935
A	-0.004747	0.011277	0.005078	-0.011297	-0.000281	-0.000001049
M_bin	-0.004510	0.005078	0.010772	-0.010664	-0.000581	0.000154
int	0.004656	-0.011297	-0.010664	0.023541	0.000395	0.000075619
C	-0.001193	-0.000281	-0.000581	0.000395	0.001508	0.000044318
Scale	-0.000038935	-0.000001049	0.000154	0.000075619	0.000044318	0.001105

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	742
Right Censored Values	258
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1506.642615

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3013.285
AIC (smaller is better)	3025.285
AICC (smaller is better)	3025.370
BIC (smaller is better)	3054.732

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2905.65
Weibull AIC (smaller is better)	-2893.65
Weibull AICC (smaller is better)	-2893.56
Weibull BIC (smaller is better)	-2864.20

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0076	0.9305
M_bin	1	3.2906	0.0697
int	1	5.0611	0.0245
C	1	2.4440	0.1180

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1741	0.0726	-3.3163	-3.0319	1913.89	<.0001
A	1	0.0091	0.1041	-0.1950	0.2131	0.01	0.9305
M_bin	1	0.1748	0.0964	-0.0141	0.3637	3.29	0.0697
int	1	0.3333	0.1482	0.0429	0.6238	5.06	0.0245
C	1	0.0576	0.0368	-0.0146	0.1298	2.44	0.1180
Scale	1	0.9928	0.0317	0.9326	1.0570		
Weibull Shape	1	1.0072	0.0322	0.9461	1.0723		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005264	-0.004303	-0.004108	0.004394	-0.001027	-0.000109
A	-0.004303	0.010840	0.004570	-0.010811	-0.000235	0.000006439
M_bin	-0.004108	0.004570	0.009290	-0.009090	-0.000505	0.000109
int	0.004394	-0.010811	-0.009090	0.021955	0.000089557	0.000247
C	-0.001027	-0.000235	-0.000505	0.000089557	0.001357	0.000039618
Scale	-0.000109	0.000006439	0.000109	0.000247	0.000039618	0.001006

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	748
Right Censored Values	252
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1499.717737

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2999.435
AIC (smaller is better)	3011.435
AICC (smaller is better)	3011.520
BIC (smaller is better)	3040.882

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2919.38
Weibull AIC (smaller is better)	-2907.38
Weibull AICC (smaller is better)	-2907.30
Weibull BIC (smaller is better)	-2877.94

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.0202	0.3125
M_bin	1	2.1407	0.1434
int	1	5.2913	0.0214
C	1	3.8116	0.0509

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1190	0.0717	-3.2595	-2.9786	1893.25	<.0001
A	1	-0.1023	0.1013	-0.3007	0.0962	1.02	0.3125
M_bin	1	0.1354	0.0926	-0.0460	0.3169	2.14	0.1434
int	1	0.3306	0.1437	0.0489	0.6123	5.29	0.0214
C	1	0.0708	0.0363	-0.0003	0.1420	3.81	0.0509
Scale	1	0.9650	0.0309	0.9062	1.0275		
Weibull Shape	1	1.0363	0.0332	0.9732	1.1035		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005139	-0.003960	-0.003865	0.004041	-0.001103	-0.000066324
A	-0.003960	0.010252	0.004310	-0.010228	-0.000303	-0.000007134
M_bin	-0.003865	0.004310	0.008570	-0.008475	-0.000420	0.000082119
int	0.004041	-0.010228	-0.008475	0.020659	0.000198	0.000163
C	-0.001103	-0.000303	-0.000420	0.000198	0.001317	0.000032661
Scale	-0.000066324	-0.000007134	0.000082119	0.000163	0.000032661	0.000956

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	749
Right Censored Values	251
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1489.074272

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2978.149
AIC (smaller is better)	2990.149
AICC (smaller is better)	2990.233
BIC (smaller is better)	3019.595

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2950.86
Weibull AIC (smaller is better)	-2938.86
Weibull AICC (smaller is better)	-2938.77
Weibull BIC (smaller is better)	-2909.41

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0007	0.9793
M_bin	1	3.4863	0.0619
int	1	0.0226	0.8804
C	1	9.8871	0.0017

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1691	0.0697	-3.3057	-3.0324	2064.60	<.0001
A	1	0.0026	0.0983	-0.1901	0.1952	0.00	0.9793
M_bin	1	0.1743	0.0934	-0.0087	0.3573	3.49	0.0619
int	1	-0.0213	0.1417	-0.2991	0.2565	0.02	0.8804
C	1	0.1190	0.0378	0.0448	0.1932	9.89	0.0017
Scale	1	0.9547	0.0303	0.8972	1.0160		
Weibull Shape	1	1.0474	0.0332	0.9843	1.1146		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004864	-0.003954	-0.003613	0.003930	-0.001041	-0.000091427
A	-0.003954	0.009662	0.004211	-0.009667	-0.000210	0.000015991
M_bin	-0.003613	0.004211	0.008717	-0.008490	-0.000687	0.000109
int	0.003930	-0.009667	-0.008490	0.020093	0.000244	-0.000039636
C	-0.001041	-0.000210	-0.000687	0.000244	0.001433	0.000072324
Scale	-0.000091427	0.000015991	0.000109	-0.000039636	0.000072324	0.000918

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	764
Right Censored Values	236
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1520.297314

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3040.595
AIC (smaller is better)	3052.595
AICC (smaller is better)	3052.679
BIC (smaller is better)	3082.041

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3104.69
Weibull AIC (smaller is better)	-3092.69
Weibull AICC (smaller is better)	-3092.60
Weibull BIC (smaller is better)	-3063.24

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1816	0.6700
M_bin	1	0.3334	0.5636
int	1	13.6636	0.0002
C	1	16.8596	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.2415	0.0689	-3.3765 -3.1065	2214.50	<.0001	
A	1	-0.0424	0.0995	-0.2373 0.1526	0.18	0.6700	
M_bin	1	-0.0549	0.0951	-0.2413 0.1315	0.33	0.5636	
int	1	0.5467	0.1479	0.2568 0.8365	13.66	0.0002	
C	1	0.1554	0.0378	0.0812 0.2296	16.86	<.0001	
Scale	1	0.9922	0.0310	0.9332 1.0549			
Weibull Shape	1	1.0078	0.0315	0.9479 1.0715			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004745	-0.003692	-0.003514	0.003559	-0.001039	-0.000133
A	-0.003692	0.009892	0.004171	-0.009935	-0.000406	-0.000024706
M_bin	-0.003514	0.004171	0.009041	-0.008988	-0.000653	-0.000009727
int	0.003559	-0.009935	-0.008988	0.021870	0.000559	0.000323
C	-0.001039	-0.000406	-0.000653	0.000559	0.001432	0.000088206
Scale	-0.000133	-0.000024706	-0.000009727	0.000323	0.000088206	0.000963

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	760
Right Censored Values	240
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1474.525285

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2949.051
AIC (smaller is better)	2961.051
AICC (smaller is better)	2961.135
BIC (smaller is better)	2990.497

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3065.51
Weibull AIC (smaller is better)	-3053.51
Weibull AICC (smaller is better)	-3053.43
Weibull BIC (smaller is better)	-3024.06

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.3044	0.5811
M_bin	1	5.5715	0.0183
int	1	6.8774	0.0087
C	1	5.5157	0.0188

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2195	0.0635	-3.3440	-3.0950	2568.05	<.0001
A	1	-0.0508	0.0922	-0.2315	0.1298	0.30	0.5811
M_bin	1	0.2104	0.0891	0.0357	0.3851	5.57	0.0183
int	1	0.3700	0.1411	0.0935	0.6466	6.88	0.0087
C	1	0.0779	0.0332	0.0129	0.1430	5.52	0.0188
Scale	1	0.9395	0.0294	0.8836	0.9989		
Weibull Shape	1	1.0645	0.0333	1.0011	1.1318		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004036	-0.003298	-0.003128	0.003336	-0.000860	-0.000129
A	-0.003298	0.008492	0.003375	-0.008489	-0.000073235	-0.000012446
M_bin	-0.003128	0.003375	0.007943	-0.007804	-0.000309	0.000119
int	0.003336	-0.008489	-0.007804	0.019910	-0.000000601	0.000204
C	-0.000860	-0.000073235	-0.000309	-0.000000601	0.001101	0.000055084
Scale	-0.000129	-0.000012446	0.000119	0.000204	0.000055084	0.000865

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	748
Right Censored Values	252
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1569.722925

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3139.446
AIC (smaller is better)	3151.446
AICC (smaller is better)	3151.530
BIC (smaller is better)	3180.892

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2981.22
Weibull AIC (smaller is better)	-2969.22
Weibull AICC (smaller is better)	-2969.14
Weibull BIC (smaller is better)	-2939.78

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.3991	0.1214
M_bin	1	7.2591	0.0071
int	1	0.7544	0.3851
C	1	5.2367	0.0221

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2469	0.0735	-3.3909	-3.1029	1953.18	<.0001
A	1	0.1740	0.1124	-0.0462	0.3942	2.40	0.1214
M_bin	1	0.2762	0.1025	0.0753	0.4771	7.26	0.0071
int	1	-0.1384	0.1593	-0.4507	0.1739	0.75	0.3851
C	1	0.0846	0.0370	0.0121	0.1571	5.24	0.0221
Scale	1	1.0640	0.0340	0.9995	1.1327		
Weibull Shape	1	0.9398	0.0300	0.8828	1.0005		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005397	-0.004283	-0.004239	0.004320	-0.001038	-0.000143
A	-0.004283	0.012623	0.004788	-0.012599	-0.000437	0.000128
M_bin	-0.004239	0.004788	0.010510	-0.010448	-0.000500	0.000179
int	0.004320	-0.012599	-0.010448	0.025389	0.000382	-0.000075990
C	-0.001038	-0.000437	-0.000500	0.000382	0.001368	0.000063562
Scale	-0.000143	0.000128	0.000179	-0.000075990	0.000063562	0.001153

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	751
Right Censored Values	249
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1525.575408

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3051.151
AIC (smaller is better)	3063.151
AICC (smaller is better)	3063.235
BIC (smaller is better)	3092.597

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3015.99
Weibull AIC (smaller is better)	-3003.99
Weibull AICC (smaller is better)	-3003.90
Weibull BIC (smaller is better)	-2974.54

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0714	0.7893
M_bin	1	1.4223	0.2330
int	1	1.0246	0.3114
C	1	13.4509	0.0002

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.2173	0.0709	-3.3562 -3.0784	2061.25	<.0001	
A	1	-0.0284	0.1062	-0.2365 0.1797	0.07	0.7893	
M_bin	1	0.1161	0.0973	-0.0747 0.3069	1.42	0.2330	
int	1	0.1512	0.1494	-0.1416 0.4440	1.02	0.3114	
C	1	0.1364	0.0372	0.0635 0.2094	13.45	0.0002	
Scale	1	1.0056	0.0317	0.9453 1.0698			
Weibull Shape	1	0.9944	0.0314	0.9348 1.0578			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005022	-0.004075	-0.003928	0.004122	-0.001009	-0.000093494
A	-0.004075	0.011272	0.004389	-0.011257	-0.000289	-0.000005595
M_bin	-0.003928	0.004389	0.009476	-0.009363	-0.000494	0.000060979
int	0.004122	-0.011257	-0.009363	0.022315	0.000220	0.000089790
C	-0.001009	-0.000289	-0.000494	0.000220	0.001384	0.000075053
Scale	-0.000093494	-0.000005595	0.000060979	0.000089790	0.000075053	0.001007

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	738
Right Censored Values	262
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1476.059579

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2952.119
AIC (smaller is better)	2964.119
AICC (smaller is better)	2964.204
BIC (smaller is better)	2993.566

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2832.55
Weibull AIC (smaller is better)	-2820.55
Weibull AICC (smaller is better)	-2820.46
Weibull BIC (smaller is better)	-2791.10

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.9166	0.1662
M_bin	1	9.3065	0.0023
int	1	1.1615	0.2812
C	1	7.4242	0.0064

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1648	0.0638	-3.2898	-3.0397	2461.02	<.0001
A	1	0.1422	0.1027	-0.0591	0.3435	1.92	0.1662
M_bin	1	0.2817	0.0924	0.1007	0.4627	9.31	0.0023
int	1	-0.1564	0.1451	-0.4407	0.1280	1.16	0.2812
C	1	0.0925	0.0339	0.0260	0.1590	7.42	0.0064
Scale	1	0.9519	0.0306	0.8938	1.0138		
Weibull Shape	1	1.0505	0.0338	0.9864	1.1189		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004070	-0.003374	-0.003100	0.003361	-0.000817	-0.000125
A	-0.003374	0.010552	0.003597	-0.010555	-0.000172	0.000116
M_bin	-0.003100	0.003597	0.008529	-0.008325	-0.000567	0.000171
int	0.003361	-0.010555	-0.008325	0.021048	0.000189	-0.000113
C	-0.000817	-0.000172	-0.000567	0.000189	0.001153	0.000072006
Scale	-0.000125	0.000116	0.000171	-0.000113	0.000072006	0.000937

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	760
Right Censored Values	240
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1505.873076

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3011.746
AIC (smaller is better)	3023.746
AICC (smaller is better)	3023.831
BIC (smaller is better)	3053.193

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3053.35
Weibull AIC (smaller is better)	-3041.35
Weibull AICC (smaller is better)	-3041.26
Weibull BIC (smaller is better)	-3011.90

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0072	0.9324
M_bin	1	14.5305	0.0001
int	1	2.0920	0.1481
C	1	0.6483	0.4207

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2363	0.0685	-3.3704	-3.1021	2234.42	<.0001
A	1	-0.0083	0.0973	-0.1990	0.1825	0.01	0.9324
M_bin	1	0.3594	0.0943	0.1746	0.5442	14.53	0.0001
int	1	0.2084	0.1441	-0.0740	0.4907	2.09	0.1481
C	1	0.0282	0.0351	-0.0405	0.0970	0.65	0.4207
Scale	1	0.9752	0.0307	0.9170	1.0372		
Weibull Shape	1	1.0254	0.0322	0.9641	1.0906		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004687	-0.003795	-0.003597	0.003815	-0.000976	-0.000142
A	-0.003795	0.009475	0.003947	-0.009467	-0.000133	0.000014581
M_bin	-0.003597	0.003947	0.008891	-0.008704	-0.000415	0.000206
int	0.003815	-0.009467	-0.008704	0.020753	0.000086245	0.000116
C	-0.000976	-0.000133	-0.000415	0.000086245	0.001230	0.000026710
Scale	-0.000142	0.000014581	0.000206	0.000116	0.000026710	0.000940

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	731
Right Censored Values	269
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1488.19239

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2976.385
AIC (smaller is better)	2988.385
AICC (smaller is better)	2988.469
BIC (smaller is better)	3017.831

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2838.73
Weibull AIC (smaller is better)	-2826.73
Weibull AICC (smaller is better)	-2826.65
Weibull BIC (smaller is better)	-2797.29

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.3788	0.0364
M_bin	1	15.9560	<.0001
int	1	0.5330	0.4653
C	1	4.4014	0.0359

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2443	0.0652	-3.3722	-3.1165	2474.34	<.0001
A	1	0.2168	0.1036	0.0137	0.4198	4.38	0.0364
M_bin	1	0.3811	0.0954	0.1941	0.5680	15.96	<.0001
int	1	-0.1098	0.1504	-0.4045	0.1849	0.53	0.4653
C	1	0.0726	0.0346	0.0048	0.1405	4.40	0.0359
Scale	1	0.9830	0.0316	0.9231	1.0469		
Weibull Shape	1	1.0173	0.0327	0.9552	1.0834		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004254	-0.003588	-0.003407	0.003603	-0.000771	-0.000150
A	-0.003588	0.010732	0.003916	-0.010713	-0.000272	0.000136
M_bin	-0.003407	0.003916	0.009100	-0.008885	-0.000573	0.000241
int	0.003603	-0.010713	-0.008885	0.022609	0.000235	-0.000064631
C	-0.000771	-0.000272	-0.000573	0.000235	0.001198	0.000058860
Scale	-0.000150	0.000136	0.000241	-0.000064631	0.000058860	0.000997

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA175
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	753
Right Censored Values	247
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1569.685747

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3139.371
AIC (smaller is better)	3151.371
AICC (smaller is better)	3151.456
BIC (smaller is better)	3180.818

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3009.03
Weibull AIC (smaller is better)	-2997.03
Weibull AICC (smaller is better)	-2996.95
Weibull BIC (smaller is better)	-2967.59

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4208	0.5166
M_bin	1	0.5477	0.4593
int	1	2.5697	0.1089
C	1	15.9913	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1871	0.0757	-3.3355	-3.0388	1772.25	<.0001
A	1	0.0715	0.1102	-0.1444	0.2874	0.42	0.5166
M_bin	1	-0.0740	0.1000	-0.2700	0.1220	0.55	0.4593
int	1	0.2536	0.1582	-0.0565	0.5637	2.57	0.1089
C	1	0.1548	0.0387	0.0789	0.2307	15.99	<.0001
Scale	1	1.0586	0.0337	0.9946	1.1266		
Weibull Shape	1	0.9447	0.0300	0.8876	1.0054		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005732	-0.004660	-0.004369	0.004617	-0.001188	-0.000108
A	-0.004660	0.012134	0.004846	-0.012125	-0.000164	0.000056137
M_bin	-0.004369	0.004846	0.010000	-0.009889	-0.000529	-0.000041763
int	0.004617	-0.012125	-0.009889	0.025029	0.000212	0.000185
C	-0.001188	-0.000164	-0.000529	0.000212	0.001498	0.000105
Scale	-0.000108	0.000056137	-0.000041763	0.000185	0.000105	0.001133

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1559.711835

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3119.424
AIC (smaller is better)	3131.424
AICC (smaller is better)	3131.508
BIC (smaller is better)	3160.870

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2938.28
Weibull AIC (smaller is better)	-2926.28
Weibull AICC (smaller is better)	-2926.20
Weibull BIC (smaller is better)	-2896.84

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0094	0.9228
M_bin	1	0.6526	0.4192
int	1	1.5819	0.2085
C	1	6.4872	0.0109

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1561	0.0739	-3.3008	-3.0113	1826.32	<.0001
A	1	0.0109	0.1124	-0.2094	0.2312	0.01	0.9228
M_bin	1	0.0816	0.1011	-0.1164	0.2797	0.65	0.4192
int	1	0.1990	0.1582	-0.1111	0.5091	1.58	0.2085
C	1	0.1010	0.0397	0.0233	0.1787	6.49	0.0109
Scale	1	1.0515	0.0336	0.9876	1.1195		
Weibull Shape	1	0.9510	0.0304	0.8933	1.0126		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005454	-0.004336	-0.004082	0.004320	-0.001139	-0.000102
A	-0.004336	0.012632	0.004827	-0.012623	-0.000404	0.000053633
M_bin	-0.004082	0.004827	0.010214	-0.010032	-0.000757	0.000063735
int	0.004320	-0.012623	-0.010032	0.025038	0.000416	0.000126
C	-0.001139	-0.000404	-0.000757	0.000416	0.001572	0.000071953
Scale	-0.000102	0.000053633	0.000063735	0.000126	0.000071953	0.001131

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	741
Right Censored Values	259
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1495.101255

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2990.203
AIC (smaller is better)	3002.203
AICC (smaller is better)	3002.287
BIC (smaller is better)	3031.649

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2899.18
Weibull AIC (smaller is better)	-2887.18
Weibull AICC (smaller is better)	-2887.10
Weibull BIC (smaller is better)	-2857.73

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1311	0.7173
M_bin	1	7.3912	0.0066
int	1	2.4463	0.1178
C	1	5.9448	0.0148

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2063	0.0735	-3.3504	-3.0622	1900.63	<.0001
A	1	-0.0368	0.1017	-0.2362	0.1625	0.13	0.7173
M_bin	1	0.2548	0.0937	0.0711	0.4386	7.39	0.0066
int	1	0.2271	0.1452	-0.0575	0.5116	2.45	0.1178
C	1	0.0894	0.0367	0.0175	0.1613	5.94	0.0148
Scale	1	0.9716	0.0311	0.9125	1.0346		
Weibull Shape	1	1.0292	0.0330	0.9666	1.0959		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005409	-0.004321	-0.004120	0.004580	-0.001203	-0.000101
A	-0.004321	0.010345	0.004328	-0.010347	-0.000008752	-0.000030447
M_bin	-0.004120	0.004328	0.008786	-0.008646	-0.000243	0.000130
int	0.004580	-0.010347	-0.008646	0.021076	-0.000287	0.000149
C	-0.001203	-0.000008752	-0.000243	-0.000287	0.001345	0.000062167
Scale	-0.000101	-0.000030447	0.000130	0.000149	0.000062167	0.000969

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1483.180561

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2966.361
AIC (smaller is better)	2978.361
AICC (smaller is better)	2978.446
BIC (smaller is better)	3007.808

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2945.85
Weibull AIC (smaller is better)	-2933.85
Weibull AICC (smaller is better)	-2933.77
Weibull BIC (smaller is better)	-2904.40

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	8.0921	0.0044
M_bin	1	9.1447	0.0025
int	1	0.0071	0.9327
C	1	20.4228	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3784	0.0679	-3.5113	-3.2454	2478.88	<.0001
A	1	0.2897	0.1018	0.0901	0.4893	8.09	0.0044
M_bin	1	0.2788	0.0922	0.0981	0.4595	9.14	0.0025
int	1	-0.0123	0.1453	-0.2971	0.2725	0.01	0.9327
C	1	0.1587	0.0351	0.0899	0.2276	20.42	<.0001
Scale	1	0.9662	0.0307	0.9078	1.0283		
Weibull Shape	1	1.0350	0.0329	0.9725	1.1015		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004604	-0.003778	-0.003493	0.003745	-0.000956	-0.000211
A	-0.003778	0.010372	0.003927	-0.010339	-0.000118	0.000175
M_bin	-0.003493	0.003927	0.008502	-0.008319	-0.000489	0.000162
int	0.003745	-0.010339	-0.008319	0.021113	0.000126	-0.000002136
C	-0.000956	-0.000118	-0.000489	0.000126	0.001234	0.000090304
Scale	-0.000211	0.000175	0.000162	-0.000002136	0.000090304	0.000944

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	744
Right Censored Values	256
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1477.12949

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2954.259
AIC (smaller is better)	2966.259
AICC (smaller is better)	2966.344
BIC (smaller is better)	2995.706

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2908.27
Weibull AIC (smaller is better)	-2896.27
Weibull AICC (smaller is better)	-2896.18
Weibull BIC (smaller is better)	-2866.82

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9514	0.3294
M_bin	1	6.0909	0.0136
int	1	1.7063	0.1915
C	1	14.1743	0.0002

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1842	0.0670	-3.3156	-3.0528	2256.84	<.0001
A	1	-0.0930	0.0953	-0.2798	0.0939	0.95	0.3294
M_bin	1	0.2358	0.0956	0.0485	0.4231	6.09	0.0136
int	1	0.1838	0.1407	-0.0920	0.4596	1.71	0.1915
C	1	0.1328	0.0353	0.0636	0.2019	14.17	0.0002
Scale	1	0.9496	0.0303	0.8920	1.0109		
Weibull Shape	1	1.0530	0.0336	0.9892	1.1210		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004493	-0.003630	-0.003651	0.003851	-0.000878	-0.000104
A	-0.003630	0.009087	0.003956	-0.009001	-0.000339	-0.000034012
M_bin	-0.003651	0.003956	0.009132	-0.009009	-0.000323	0.000131
int	0.003851	-0.009001	-0.009009	0.019798	0.000017796	0.000116
C	-0.000878	-0.000339	-0.000323	0.000017796	0.001244	0.000073371
Scale	-0.000104	-0.000034012	0.000131	0.000116	0.000073371	0.000919

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	750
Right Censored Values	250
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1505.288612

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3010.577
AIC (smaller is better)	3022.577
AICC (smaller is better)	3022.662
BIC (smaller is better)	3052.024

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2949.59
Weibull AIC (smaller is better)	-2937.59
Weibull AICC (smaller is better)	-2937.51
Weibull BIC (smaller is better)	-2908.15

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1936	0.6599
M_bin	1	3.1554	0.0757
int	1	0.4359	0.5091
C	1	12.8666	0.0003

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2056	0.0681	-3.3391	-3.0721	2214.06	<.0001
A	1	0.0453	0.1029	-0.1564	0.2470	0.19	0.6599
M_bin	1	0.1673	0.0942	-0.0173	0.3520	3.16	0.0757
int	1	0.0969	0.1467	-0.1907	0.3844	0.44	0.5091
C	1	0.1244	0.0347	0.0564	0.1924	12.87	0.0003
Scale	1	0.9783	0.0311	0.9191	1.0412		
Weibull Shape	1	1.0222	0.0325	0.9604	1.0880		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004641	-0.003879	-0.003711	0.003790	-0.000784	-0.000126
A	-0.003879	0.010590	0.004344	-0.010626	-0.000385	0.000036571
M_bin	-0.003711	0.004344	0.008875	-0.008771	-0.000654	0.000112
int	0.003790	-0.010626	-0.008771	0.021518	0.000513	0.000050925
C	-0.000784	-0.000385	-0.000654	0.000513	0.001203	0.000077883
Scale	-0.000126	0.000036571	0.000112	0.000050925	0.000077883	0.000969

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1504.511933

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3009.024
AIC (smaller is better)	3021.024
AICC (smaller is better)	3021.108
BIC (smaller is better)	3050.470

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2960.12
Weibull AIC (smaller is better)	-2948.12
Weibull AICC (smaller is better)	-2948.04
Weibull BIC (smaller is better)	-2918.67

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.8595	0.0155
M_bin	1	8.2761	0.0040
int	1	0.0980	0.7542
C	1	20.3595	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3739	0.0677	-3.5067	-3.2412	2480.19	<.0001
A	1	0.2491	0.1029	0.0474	0.4508	5.86	0.0155
M_bin	1	0.2752	0.0957	0.0877	0.4627	8.28	0.0040
int	1	0.0470	0.1500	-0.2471	0.3410	0.10	0.7542
C	1	0.1607	0.0356	0.0909	0.2305	20.36	<.0001
Scale	1	0.9950	0.0316	0.9350	1.0588		
Weibull Shape	1	1.0050	0.0319	0.9445	1.0695		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004590	-0.003708	-0.003564	0.003665	-0.000911	-0.000226
A	-0.003708	0.010589	0.004089	-0.010559	-0.000324	0.000162
M_bin	-0.003564	0.004089	0.009153	-0.009033	-0.000529	0.000164
int	0.003665	-0.010559	-0.009033	0.022511	0.000346	0.000025226
C	-0.000911	-0.000324	-0.000529	0.000346	0.001268	0.000111
Scale	-0.000226	0.000162	0.000164	0.000025226	0.000111	0.000996

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	758
Right Censored Values	242
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1535.145029

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3070.290
AIC (smaller is better)	3082.290
AICC (smaller is better)	3082.375
BIC (smaller is better)	3111.737

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3042.27
Weibull AIC (smaller is better)	-3030.27
Weibull AICC (smaller is better)	-3030.19
Weibull BIC (smaller is better)	-3000.83

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.5857	0.1078
M_bin	1	1.2107	0.2712
int	1	7.5048	0.0062
C	1	10.1801	0.0014

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.1863	0.0733	-3.3299 -3.0426	1889.97	<.0001	
A	1	-0.1643	0.1022	-0.3646 0.0360	2.59	0.1078	
M_bin	1	0.1091	0.0992	-0.0853 0.3035	1.21	0.2712	
int	1	0.4070	0.1486	0.1158 0.6982	7.50	0.0062	
C	1	0.1149	0.0360	0.0443 0.1856	10.18	0.0014	
Scale	1	1.0112	0.0320	0.9505 1.0759			
Weibull Shape	1	0.9889	0.0313	0.9295 1.0521			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005372	-0.004547	-0.004060	0.004519	-0.001072	-0.000095695
A	-0.004547	0.010443	0.004447	-0.010457	0.000079326	-0.000086262
M_bin	-0.004060	0.004447	0.009834	-0.009585	-0.000517	0.000038621
int	0.004519	-0.010457	-0.009585	0.022073	-0.000052098	0.000266
C	-0.001072	0.000079326	-0.000517	-0.000052098	0.001298	0.000073902
Scale	-0.000095695	-0.000086262	0.000038621	0.000266	0.000073902	0.001022

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	741
Right Censored Values	259
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1461.676814

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2923.354
AIC (smaller is better)	2935.354
AICC (smaller is better)	2935.438
BIC (smaller is better)	2964.800

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2885.27
Weibull AIC (smaller is better)	-2873.27
Weibull AICC (smaller is better)	-2873.19
Weibull BIC (smaller is better)	-2843.83

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7520	0.3858
M_bin	1	1.9573	0.1618
int	1	2.7270	0.0987
C	1	3.8163	0.0508

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1382	0.0629	-3.2616	-3.0149	2486.47	<.0001
A	1	0.0830	0.0957	-0.1046	0.2706	0.75	0.3858
M_bin	1	0.1251	0.0894	-0.0501	0.3003	1.96	0.1618
int	1	0.2356	0.1426	-0.0440	0.5152	2.73	0.0987
C	1	0.0655	0.0335	-0.0002	0.1313	3.82	0.0508
Scale	1	0.9360	0.0298	0.8793	0.9963		
Weibull Shape	1	1.0684	0.0341	1.0037	1.1373		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.003961	-0.003180	-0.003038	0.003164	-0.000814	-0.000080526
A	-0.003180	0.009163	0.003485	-0.009148	-0.000267	0.000055668
M_bin	-0.003038	0.003485	0.007990	-0.007893	-0.000463	0.000056015
int	0.003164	-0.009148	-0.007893	0.020349	0.000271	0.000161
C	-0.000814	-0.000267	-0.000463	0.000271	0.001126	0.000042615
Scale	-0.000080526	0.000055668	0.000056015	0.000161	0.000042615	0.000890

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA184
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	749
Right Censored Values	251
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1567.712152

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3135.424
AIC (smaller is better)	3147.424
AICC (smaller is better)	3147.509
BIC (smaller is better)	3176.871

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2961.37
Weibull AIC (smaller is better)	-2949.37
Weibull AICC (smaller is better)	-2949.28
Weibull BIC (smaller is better)	-2919.92

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1522	0.6964
M_bin	1	4.2981	0.0382
int	1	0.5968	0.4398
C	1	4.1189	0.0424

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1934	0.0739	-3.3382	-3.0485	1867.28	<.0001
A	1	0.0419	0.1073	-0.1685	0.2522	0.15	0.6964
M_bin	1	0.2168	0.1046	0.0118	0.4218	4.30	0.0382
int	1	0.1204	0.1558	-0.1850	0.4258	0.60	0.4398
C	1	0.0766	0.0377	0.0026	0.1505	4.12	0.0424
Scale	1	1.0538	0.0337	0.9897	1.1220		
Weibull Shape	1	0.9489	0.0304	0.8912	1.0104		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005461	-0.004589	-0.004281	0.004643	-0.001005	-0.000116
A	-0.004589	0.011518	0.004866	-0.011496	-0.000229	0.000068958
M_bin	-0.004281	0.004866	0.010936	-0.010652	-0.000674	0.000146
int	0.004643	-0.011496	-0.010652	0.024277	0.000141	0.000044896
C	-0.001005	-0.000229	-0.000674	0.000141	0.001423	0.000055621
Scale	-0.000116	0.000068958	0.000146	0.000044896	0.000055621	0.001137

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA185
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	737
Right Censored Values	263
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1538.188608

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3076.377
AIC (smaller is better)	3088.377
AICC (smaller is better)	3088.462
BIC (smaller is better)	3117.824

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2882.22
Weibull AIC (smaller is better)	-2870.22
Weibull AICC (smaller is better)	-2870.13
Weibull BIC (smaller is better)	-2840.77

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0161	0.8989
M_bin	1	2.1745	0.1403
int	1	3.7523	0.0527
C	1	10.1456	0.0014

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1944	0.0704	-3.3324	-3.0563	2056.22	<.0001
A	1	0.0137	0.1080	-0.1980	0.2254	0.02	0.8989
M_bin	1	0.1454	0.0986	-0.0479	0.3387	2.17	0.1403
int	1	0.3056	0.1577	-0.0036	0.6147	3.75	0.0527
C	1	0.1203	0.0378	0.0463	0.1943	10.15	0.0014
Scale	1	1.0346	0.0333	0.9714	1.1020		
Weibull Shape	1	0.9665	0.0311	0.9074	1.0295		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004962	-0.003994	-0.003942	0.004085	-0.000944	-0.000120
A	-0.003994	0.011664	0.004562	-0.011590	-0.000519	0.000039735
M_bin	-0.003942	0.004562	0.009726	-0.009587	-0.000603	0.000093900
int	0.004085	-0.011590	-0.009587	0.024884	0.000361	0.000202
C	-0.000944	-0.000519	-0.000603	0.000361	0.001426	0.000088164
Scale	-0.000120	0.000039735	0.000093900	0.000202	0.000088164	0.001110

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	737
Right Censored Values	263
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1489.332146

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2978.664
AIC (smaller is better)	2990.664
AICC (smaller is better)	2990.749
BIC (smaller is better)	3020.111

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2870.74
Weibull AIC (smaller is better)	-2858.74
Weibull AICC (smaller is better)	-2858.65
Weibull BIC (smaller is better)	-2829.29

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0953	0.7575
M_bin	1	6.1834	0.0129
int	1	4.7778	0.0288
C	1	0.3881	0.5333

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.1201	0.0697	-3.2567 -2.9835	2003.91	<.0001	
A	1	-0.0308	0.0999	-0.2266 0.1649	0.10	0.7575	
M_bin	1	0.2278	0.0916	0.0483 0.4074	6.18	0.0129	
int	1	0.3231	0.1478	0.0334 0.6128	4.78	0.0288	
C	1	0.0229	0.0367	-0.0491 0.0948	0.39	0.5333	
Scale	1	0.9697	0.0311	0.9106 1.0327			
Weibull Shape	1	1.0312	0.0331	0.9683 1.0982			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004858	-0.003894	-0.003565	0.003901	-0.001153	-0.000050733
A	-0.003894	0.009977	0.003862	-0.009977	0.000028692	0.000002024
M_bin	-0.003565	0.003862	0.008394	-0.008246	-0.000361	0.000109
int	0.003901	-0.009977	-0.008246	0.021850	-0.000047640	0.000227
C	-0.001153	0.000028692	-0.000361	-0.000047640	0.001347	0.000010819
Scale	-0.000050733	0.000002024	0.000109	0.000227	0.000010819	0.000969

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	738
Right Censored Values	262
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1527.31344

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3054.627
AIC (smaller is better)	3066.627
AICC (smaller is better)	3066.711
BIC (smaller is better)	3096.073

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2862.44
Weibull AIC (smaller is better)	-2850.44
Weibull AICC (smaller is better)	-2850.36
Weibull BIC (smaller is better)	-2821.00

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4576	0.4987
M_bin	1	3.3521	0.0671
int	1	4.4839	0.0342
C	1	0.5432	0.4611

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.0832	0.0737	-3.2277	-2.9388	1750.30	<.0001
A	1	-0.0709	0.1048	-0.2763	0.1345	0.46	0.4987
M_bin	1	0.1827	0.0998	-0.0129	0.3783	3.35	0.0671
int	1	0.3218	0.1520	0.0239	0.6197	4.48	0.0342
C	1	0.0275	0.0373	-0.0456	0.1005	0.54	0.4611
Scale	1	1.0142	0.0327	0.9521	1.0804		
Weibull Shape	1	0.9860	0.0318	0.9255	1.0503		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005431	-0.004560	-0.004462	0.004619	-0.000894	-0.000067122
A	-0.004560	0.010984	0.005060	-0.010944	-0.000457	0.000023608
M_bin	-0.004462	0.005060	0.009959	-0.009793	-0.000619	0.000153
int	0.004619	-0.010944	-0.009793	0.023097	0.000350	0.000153
C	-0.000894	-0.000457	-0.000619	0.000350	0.001388	0.000014766
Scale	-0.000067122	0.000023608	0.000153	0.000153	0.000014766	0.001070

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	750
Right Censored Values	250
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1506.882789

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3013.766
AIC (smaller is better)	3025.766
AICC (smaller is better)	3025.850
BIC (smaller is better)	3055.212

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2971.42
Weibull AIC (smaller is better)	-2959.42
Weibull AICC (smaller is better)	-2959.33
Weibull BIC (smaller is better)	-2929.97

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1032	0.2936
M_bin	1	9.7545	0.0018
int	1	0.2612	0.6093
C	1	6.8525	0.0089

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2639	0.0672	-3.3955	-3.1322	2360.46	<.0001
A	1	0.1060	0.1009	-0.0918	0.3037	1.10	0.2936
M_bin	1	0.2958	0.0947	0.1102	0.4815	9.75	0.0018
int	1	0.0754	0.1475	-0.2137	0.3644	0.26	0.6093
C	1	0.0946	0.0361	0.0238	0.1654	6.85	0.0089
Scale	1	0.9832	0.0312	0.9239	1.0463		
Weibull Shape	1	1.0171	0.0323	0.9558	1.0824		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004513	-0.003572	-0.003408	0.003534	-0.000984	-0.000145
A	-0.003572	0.010179	0.003876	-0.010176	-0.000262	0.000062563
M_bin	-0.003408	0.003876	0.008971	-0.008847	-0.000496	0.000171
int	0.003534	-0.010176	-0.008847	0.021749	0.000295	0.000061528
C	-0.000984	-0.000262	-0.000496	0.000295	0.001305	0.000058170
Scale	-0.000145	0.000062563	0.000171	0.000061528	0.000058170	0.000973

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	715
Right Censored Values	285
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1495.033261

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2990.067
AIC (smaller is better)	3002.067
AICC (smaller is better)	3002.151
BIC (smaller is better)	3031.513

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2738.82
Weibull AIC (smaller is better)	-2726.82
Weibull AICC (smaller is better)	-2726.74
Weibull BIC (smaller is better)	-2697.38

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.0706	0.3008
M_bin	1	7.6774	0.0056
int	1	1.0551	0.3043
C	1	24.7728	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2885	0.0722	-3.4301	-3.1469	2071.86	<.0001
A	1	0.1074	0.1038	-0.0961	0.3109	1.07	0.3008
M_bin	1	0.2804	0.1012	0.0820	0.4787	7.68	0.0056
int	1	0.1586	0.1544	-0.1441	0.4614	1.06	0.3043
C	1	0.1924	0.0387	0.1166	0.2682	24.77	<.0001
Scale	1	1.0120	0.0331	0.9492	1.0790		
Weibull Shape	1	0.9881	0.0323	0.9268	1.0535		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005220	-0.004277	-0.004065	0.004133	-0.001092	-0.000190
A	-0.004277	0.010777	0.004510	-0.010781	-0.000201	0.000101
M_bin	-0.004065	0.004510	0.010238	-0.010127	-0.000505	0.000198
int	0.004133	-0.010781	-0.010127	0.023854	0.000379	0.000092832
C	-0.001092	-0.000201	-0.000505	0.000379	0.001495	0.000142
Scale	-0.000190	0.000101	0.000198	0.000092832	0.000142	0.001094

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	735
Right Censored Values	265
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1523.476241

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3046.952
AIC (smaller is better)	3058.952
AICC (smaller is better)	3059.037
BIC (smaller is better)	3088.399

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2836.70
Weibull AIC (smaller is better)	-2824.70
Weibull AICC (smaller is better)	-2824.61
Weibull BIC (smaller is better)	-2795.25

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.0659	0.3019
M_bin	1	0.6698	0.4131
int	1	6.7677	0.0093
C	1	5.8686	0.0154

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.0833	0.0715	-3.2235 -2.9431	1858.29	<.0001	
A	1	-0.1081	0.1047	-0.3134 0.0971	1.07	0.3019	
M_bin	1	0.0793	0.0969	-0.1106 0.2692	0.67	0.4131	
int	1	0.3999	0.1537	0.0986 0.7012	6.77	0.0093	
C	1	0.0867	0.0358	0.0166 0.1569	5.87	0.0154	
Scale	1	1.0137	0.0328	0.9513 1.0801			
Weibull Shape	1	0.9865	0.0320	0.9258 1.0512			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005116	-0.004088	-0.003945	0.004156	-0.001066	-0.000052654
A	-0.004088	0.010968	0.004271	-0.010965	-0.000169	-0.000047485
M_bin	-0.003945	0.004271	0.009385	-0.009298	-0.000341	0.000048184
int	0.004156	-0.010965	-0.009298	0.023631	0.000087312	0.000265
C	-0.001066	-0.000169	-0.000341	0.000087312	0.001281	0.000064153
Scale	-0.000052654	-0.000047485	0.000048184	0.000265	0.000064153	0.001079

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	766
Right Censored Values	234
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1531.86411

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3063.728
AIC (smaller is better)	3075.728
AICC (smaller is better)	3075.813
BIC (smaller is better)	3105.175

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3094.03
Weibull AIC (smaller is better)	-3082.03
Weibull AICC (smaller is better)	-3081.95
Weibull BIC (smaller is better)	-3052.58

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.5707	0.0183
M_bin	1	14.5564	0.0001
int	1	0.8711	0.3506
C	1	4.6780	0.0306

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3302	0.0669	-3.4614	-3.1990	2475.39	<.0001
A	1	0.2401	0.1017	0.0407	0.4395	5.57	0.0183
M_bin	1	0.3675	0.0963	0.1787	0.5562	14.56	0.0001
int	1	-0.1390	0.1490	-0.4310	0.1529	0.87	0.3506
C	1	0.0762	0.0352	0.0072	0.1453	4.68	0.0306
Scale	1	0.9987	0.0313	0.9392	1.0621		
Weibull Shape	1	1.0013	0.0314	0.9416	1.0648		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004480	-0.003504	-0.003219	0.003375	-0.000991	-0.000199
A	-0.003504	0.010351	0.003829	-0.010376	-0.000239	0.000167
M_bin	-0.003219	0.003829	0.009277	-0.009148	-0.000609	0.000214
int	0.003375	-0.010376	-0.009148	0.022190	0.000395	-0.000131
C	-0.000991	-0.000239	-0.000609	0.000395	0.001242	0.000061955
Scale	-0.000199	0.000167	0.000214	-0.000131	0.000061955	0.000982

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	757
Right Censored Values	243
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1554.396447

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3108.793
AIC (smaller is better)	3120.793
AICC (smaller is better)	3120.877
BIC (smaller is better)	3150.239

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3026.76
Weibull AIC (smaller is better)	-3014.76
Weibull AICC (smaller is better)	-3014.67
Weibull BIC (smaller is better)	-2985.31

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.4173	0.2338
M_bin	1	2.5262	0.1120
int	1	2.3232	0.1275
C	1	3.7285	0.0535

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2401	0.0744	-3.3859	-3.0944	1898.71	<.0001
A	1	0.1247	0.1048	-0.0806	0.3301	1.42	0.2338
M_bin	1	0.1569	0.0987	-0.0366	0.3505	2.53	0.1120
int	1	0.2330	0.1529	-0.0666	0.5327	2.32	0.1275
C	1	0.0717	0.0371	-0.0011	0.1445	3.73	0.0535
Scale	1	1.0327	0.0328	0.9704	1.0990		
Weibull Shape	1	0.9683	0.0308	0.9099	1.0305		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005529	-0.004438	-0.004127	0.004366	-0.001229	-0.000128
A	-0.004438	0.010976	0.004433	-0.010955	0.000005437	0.000093435
M_bin	-0.004127	0.004433	0.009751	-0.009651	-0.000346	0.000099193
int	0.004366	-0.010955	-0.009651	0.023376	0.000051247	0.000152
C	-0.001229	0.000005437	-0.000346	0.000051247	0.001379	0.000036388
Scale	-0.000128	0.000093435	0.000099193	0.000152	0.000036388	0.001076

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	742
Right Censored Values	258
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1483.100114

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2966.200
AIC (smaller is better)	2978.200
AICC (smaller is better)	2978.285
BIC (smaller is better)	3007.647

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2868.09
Weibull AIC (smaller is better)	-2856.09
Weibull AICC (smaller is better)	-2856.00
Weibull BIC (smaller is better)	-2826.64

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0261	0.8716
M_bin	1	2.2560	0.1331
int	1	4.6709	0.0307
C	1	2.7816	0.0954

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1092	0.0689	-3.2443	-2.9741	2035.09	<.0001
A	1	-0.0160	0.0992	-0.2104	0.1783	0.03	0.8716
M_bin	1	0.1355	0.0902	-0.0413	0.3124	2.26	0.1331
int	1	0.3099	0.1434	0.0289	0.5909	4.67	0.0307
C	1	0.0575	0.0345	-0.0101	0.1252	2.78	0.0954
Scale	1	0.9526	0.0306	0.8945	1.0146		
Weibull Shape	1	1.0497	0.0337	0.9856	1.1180		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004750	-0.003740	-0.003706	0.003992	-0.001018	-0.000072971
A	-0.003740	0.009833	0.003909	-0.009785	-0.000163	0.000025276
M_bin	-0.003706	0.003909	0.008143	-0.008059	-0.000206	0.000083290
int	0.003992	-0.009785	-0.008059	0.020557	-0.000141	0.000156
C	-0.001018	-0.000163	-0.000206	-0.000141	0.001190	0.000037548
Scale	-0.000072971	0.000025276	0.000083290	0.000156	0.000037548	0.000938

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	744
Right Censored Values	256
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1513.565982

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3027.132
AIC (smaller is better)	3039.132
AICC (smaller is better)	3039.217
BIC (smaller is better)	3068.578

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2928.41
Weibull AIC (smaller is better)	-2916.41
Weibull AICC (smaller is better)	-2916.32
Weibull BIC (smaller is better)	-2886.96

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.9481	0.1628
M_bin	1	1.9129	0.1666
int	1	4.9512	0.0261
C	1	4.6436	0.0312

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.1190	0.0699	-3.2559 -2.9821	1993.67	<.0001	
A	1	-0.1413	0.1012	-0.3397 0.0571	1.95	0.1628	
M_bin	1	0.1342	0.0971	-0.0560 0.3245	1.91	0.1666	
int	1	0.3315	0.1490	0.0395 0.6235	4.95	0.0261	
C	1	0.0837	0.0388	0.0076 0.1597	4.64	0.0312	
Scale	1	0.9928	0.0317	0.9326 1.0569			
Weibull Shape	1	1.0073	0.0322	0.9461 1.0723			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004880	-0.003788	-0.003616	0.003888	-0.001054	-0.000066908
A	-0.003788	0.010248	0.004395	-0.010198	-0.000505	-0.000017088
M_bin	-0.003616	0.004395	0.009419	-0.009185	-0.000759	0.000109
int	0.003888	-0.010198	-0.009185	0.022199	0.000355	0.000128
C	-0.001054	-0.000505	-0.000759	0.000355	0.001507	0.000041342
Scale	-0.000066908	-0.000017088	0.000109	0.000128	0.000041342	0.001006

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	745
Right Censored Values	255
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1502.694287

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3005.389
AIC (smaller is better)	3017.389
AICC (smaller is better)	3017.473
BIC (smaller is better)	3046.835

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2895.52
Weibull AIC (smaller is better)	-2883.52
Weibull AICC (smaller is better)	-2883.44
Weibull BIC (smaller is better)	-2854.07

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.0808	0.2985
M_bin	1	1.4598	0.2270
int	1	0.7655	0.3816
C	1	7.7200	0.0055

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1662	0.0689	-3.3011	-3.0312	2114.40	<.0001
A	1	0.1042	0.1002	-0.0922	0.3006	1.08	0.2985
M_bin	1	0.1139	0.0943	-0.0709	0.2988	1.46	0.2270
int	1	0.1280	0.1463	-0.1587	0.4147	0.77	0.3816
C	1	0.0992	0.0357	0.0292	0.1692	7.72	0.0055
Scale	1	0.9758	0.0313	0.9164	1.0391		
Weibull Shape	1	1.0248	0.0328	0.9624	1.0912		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004741	-0.003680	-0.003472	0.003627	-0.001061	-0.000111
A	-0.003680	0.010046	0.003944	-0.010039	-0.000217	0.000089533
M_bin	-0.003472	0.003944	0.008894	-0.008808	-0.000467	0.000068618
int	0.003627	-0.010039	-0.008808	0.021395	0.000271	0.000065297
C	-0.001061	-0.000217	-0.000467	0.000271	0.001275	0.000068523
Scale	-0.000111	0.000089533	0.000068618	0.000065297	0.000068523	0.000978

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	750
Right Censored Values	250
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1514.936043

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3029.872
AIC (smaller is better)	3041.872
AICC (smaller is better)	3041.957
BIC (smaller is better)	3071.319

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2953.84
Weibull AIC (smaller is better)	-2941.84
Weibull AICC (smaller is better)	-2941.76
Weibull BIC (smaller is better)	-2912.39

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.0447	0.3067
M_bin	1	4.3566	0.0369
int	1	0.0002	0.9882
C	1	10.2699	0.0014

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2242	0.0716	-3.3645	-3.0839	2028.83	<.0001
A	1	0.1061	0.1038	-0.0974	0.3096	1.04	0.3067
M_bin	1	0.1981	0.0949	0.0121	0.3841	4.36	0.0369
int	1	0.0022	0.1471	-0.2862	0.2906	0.00	0.9882
C	1	0.1214	0.0379	0.0472	0.1957	10.27	0.0014
Scale	1	0.9900	0.0314	0.9303	1.0536		
Weibull Shape	1	1.0101	0.0321	0.9491	1.0749		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005124	-0.004132	-0.004047	0.004408	-0.001156	-0.000126
A	-0.004132	0.010776	0.004207	-0.010751	-0.000075356	0.000062462
M_bin	-0.004047	0.004207	0.009009	-0.008932	-0.000186	0.000108
int	0.004408	-0.010751	-0.008932	0.021653	-0.000274	0.000011026
C	-0.001156	-0.000075356	-0.000186	-0.000274	0.001436	0.000080092
Scale	-0.000126	0.000062462	0.000108	0.000011026	0.000080092	0.000989

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	729
Right Censored Values	271
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1484.664242

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2969.328
AIC (smaller is better)	2981.328
AICC (smaller is better)	2981.413
BIC (smaller is better)	3010.775

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2835.00
Weibull AIC (smaller is better)	-2823.00
Weibull AICC (smaller is better)	-2822.91
Weibull BIC (smaller is better)	-2793.55

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4120	0.5210
M_bin	1	2.8777	0.0898
int	1	7.6390	0.0057
C	1	18.2259	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2284	0.0678	-3.3612	-3.0955	2269.49	<.0001
A	1	-0.0661	0.1029	-0.2678	0.1357	0.41	0.5210
M_bin	1	0.1668	0.0983	-0.0259	0.3596	2.88	0.0898
int	1	0.4129	0.1494	0.1201	0.7058	7.64	0.0057
C	1	0.1549	0.0363	0.0838	0.2261	18.23	<.0001
Scale	1	0.9816	0.0316	0.9215	1.0456		
Weibull Shape	1	1.0188	0.0328	0.9564	1.0852		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004592	-0.003771	-0.003642	0.003658	-0.000786	-0.000141
A	-0.003771	0.010594	0.004486	-0.010656	-0.000585	-0.000012128
M_bin	-0.003642	0.004486	0.009671	-0.009563	-0.000819	0.000097826
int	0.003658	-0.010656	-0.009563	0.022323	0.000742	0.000267
C	-0.000786	-0.000585	-0.000819	0.000742	0.001317	0.000106
Scale	-0.000141	-0.000012128	0.000097826	0.000267	0.000106	0.001001

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	767
Right Censored Values	233
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1506.692576

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3013.385
AIC (smaller is better)	3025.385
AICC (smaller is better)	3025.470
BIC (smaller is better)	3054.832

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3147.73
Weibull AIC (smaller is better)	-3135.73
Weibull AICC (smaller is better)	-3135.65
Weibull BIC (smaller is better)	-3106.28

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.5691	0.4506
M_bin	1	1.2136	0.2706
int	1	10.8696	0.0010
C	1	9.7341	0.0018

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3195	0.0676	-3.4519	-3.1871	2414.57	<.0001
A	1	0.0736	0.0976	-0.1177	0.2650	0.57	0.4506
M_bin	1	0.1020	0.0926	-0.0795	0.2835	1.21	0.2706
int	1	0.4778	0.1449	0.1938	0.7618	10.87	0.0010
C	1	0.1118	0.0358	0.0416	0.1820	9.73	0.0018
Scale	1	0.9764	0.0305	0.9185	1.0380		
Weibull Shape	1	1.0241	0.0320	0.9634	1.0887		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004564	-0.003621	-0.003585	0.003605	-0.000916	-0.000178
A	-0.003621	0.009529	0.004036	-0.009488	-0.000394	0.000054288
M_bin	-0.003585	0.004036	0.008574	-0.008506	-0.000447	0.000065757
int	0.003605	-0.009488	-0.008506	0.021002	0.000349	0.000286
C	-0.000916	-0.000394	-0.000447	0.000349	0.001284	0.000066904
Scale	-0.000178	0.000054288	0.000065757	0.000286	0.000066904	0.000928

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	733
Right Censored Values	267
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1498.412884

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2996.826
AIC (smaller is better)	3008.826
AICC (smaller is better)	3008.910
BIC (smaller is better)	3038.272

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2832.30
Weibull AIC (smaller is better)	-2820.30
Weibull AICC (smaller is better)	-2820.21
Weibull BIC (smaller is better)	-2790.85

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0165	0.8977
M_bin	1	4.5469	0.0330
int	1	2.5297	0.1117
C	1	19.6084	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits	Chi-Square	Pr > ChiSq	
Intercept	1	-3.2158	0.0706	-3.3541 -3.0774	2075.84	<.0001	
A	1	0.0134	0.1044	-0.1911 0.2180	0.02	0.8977	
M_bin	1	0.2014	0.0944	0.0163 0.3865	4.55	0.0330	
int	1	0.2380	0.1496	-0.0553 0.5312	2.53	0.1117	
C	1	0.1520	0.0343	0.0847 0.2192	19.61	<.0001	
Scale	1	0.9863	0.0320	0.9257 1.0510			
Weibull Shape	1	1.0139	0.0328	0.9515 1.0803			

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.004982	-0.004197	-0.004254	0.004220	-0.000777	-0.000147
A	-0.004197	0.010891	0.004597	-0.010858	-0.000413	0.000049701
M_bin	-0.004254	0.004597	0.008918	-0.008876	-0.000339	0.000158
int	0.004220	-0.010858	-0.008876	0.022384	0.000358	0.000106
C	-0.000777	-0.000413	-0.000339	0.000358	0.001178	0.000100
Scale	-0.000147	0.000049701	0.000158	0.000106	0.000100	0.001021

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	726
Right Censored Values	274
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-1514.491226

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	3028.982
AIC (smaller is better)	3040.982
AICC (smaller is better)	3041.067
BIC (smaller is better)	3070.429

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2827.18
Weibull AIC (smaller is better)	-2815.18
Weibull AICC (smaller is better)	-2815.10
Weibull BIC (smaller is better)	-2785.73

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.4999	0.0190
M_bin	1	8.0616	0.0045
int	1	0.0107	0.9175
C	1	21.8554	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3489	0.0724	-3.4908	-3.2069	2138.70	<.0001
A	1	0.2591	0.1105	0.0426	0.4756	5.50	0.0190
M_bin	1	0.2778	0.0978	0.0860	0.4696	8.06	0.0045
int	1	0.0163	0.1569	-0.2913	0.3239	0.01	0.9175
C	1	0.1775	0.0380	0.1031	0.2519	21.86	<.0001
Scale	1	1.0237	0.0331	0.9608	1.0908		
Weibull Shape	1	0.9768	0.0316	0.9168	1.0408		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.005244	-0.004329	-0.003960	0.004166	-0.001129	-0.000207
A	-0.004329	0.012204	0.004404	-0.012177	-0.000049502	0.000185
M_bin	-0.003960	0.004404	0.009573	-0.009424	-0.000524	0.000172
int	0.004166	-0.012177	-0.009424	0.024630	0.000233	0.000022014
C	-0.001129	-0.000049502	-0.000524	0.000233	0.001441	0.000126
Scale	-0.000207	0.000185	0.000172	0.000022014	0.000126	0.001098

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	100000
Noncensored Values	74882
Right Censored Values	25118
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	6
Name of Distribution	Weibull
Log Likelihood	-151698.7446

Number of Observations Read	100000
Number of Observations Used	100000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
int	int
C	C

Fit Statistics	
-2 Log Likelihood	303397.5
AIC (smaller is better)	303409.5
AICC (smaller is better)	303409.5
BIC (smaller is better)	303466.6

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-295561
Weibull AIC (smaller is better)	-295549
Weibull AICC (smaller is better)	-295549
Weibull BIC (smaller is better)	-295492

Algorithm converged.

The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	29.2303	<.0001
M_bin	1	446.4299	<.0001
int	1	107.5114	<.0001
C	1	788.0358	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2205	0.0070	-3.2342	-3.2068	212967	<.0001
A	1	0.0555	0.0103	0.0354	0.0756	29.23	<.0001
M_bin	1	0.2019	0.0096	0.1831	0.2206	446.43	<.0001
int	1	0.1538	0.0148	0.1248	0.1829	107.51	<.0001
C	1	0.1016	0.0036	0.0945	0.1087	788.04	<.0001
Scale	1	0.9940	0.0032	0.9879	1.0003		
Weibull Shape	1	1.0060	0.0032	0.9997	1.0123		

Estimated Covariance Matrix						
	Intercept	A	M_bin	int	C	Scale
Intercept	0.0000048700	-0.0000039530	-0.0000037688	0.0000039593	-0.0000009805	-0.0000001275
A	-0.0000039530	0.0000105	0.000042321	-0.000105	-0.0000002435	0.000000466
M_bin	-0.0000037688	0.000042321	0.0000091272	-0.0000089871	-0.0000004991	0.000001228
int	0.0000039593	-0.000105	-0.0000089871	0.000220	0.0000002205	0.000000927
C	-0.0000009805	-0.0000002435	-0.0000004991	0.0000002205	0.0000013108	0.000000661
Scale	-0.0000001275	0.000000466	0.000001228	0.000000927	0.000000661	0.000010013

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	M_bin
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	M_bin	Total Frequency
1	1	50787
2	0	49213

Probability modeled is M_bin='1'.

Model Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	138606.66	136058.93
SC	138616.17	136087.47
-2 Log L	138604.66	136052.93

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2551.7270	2	<.0001	
Score	2521.9641	2	<.0001	
Wald	2463.6933	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3606	0.0107	1129.2767	<.0001
A	1	0.1877	0.0130	209.5944	<.0001
C	1	0.3043	0.00638	2275.1982	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.207	1.176	1.238
C	1.356	1.339	1.373

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.4	Somers' D	0.189
Percent Discordant	40.6	Gamma	0.189
Percent Tied	0.0	Tau-a	0.094
Pairs	2499380631	c	0.594

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.06461	0.12557	0.84847	1.34708
2	marginal pnde	1.15687	0.09338	0.98281	1.34154
3	marginal pnie	1.00976	0.00890	0.99659	1.03452
4	marginal tnde	1.16499	0.09710	0.98135	1.34952
5	marginal tnie	1.01667	0.01315	0.99407	1.04869
6	marginal total effect	1.17632	0.09819	0.98916	1.37088
7	conditional cde	1.06461	0.12557	0.84847	1.34708
8	conditional pnde	1.15645	0.09328	0.98287	1.34126
9	conditional pnie	1.00977	0.00891	0.99659	1.03455
10	conditional tnde	1.16458	0.09696	0.98140	1.34924
11	conditional tnie	1.01668	0.01317	0.99406	1.04873
12	conditional total effect	1.17592	0.09807	0.98890	1.37061