

The REG Procedure

Model: MODEL1

Dependent Variable: Y_cont_noint

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	3	13.52163	4.50721	4.54	0.0036
Error	996	989.52802	0.99350		
Corrected Total	999	1003.04965			

Root MSE	0.99675	R-Square	0.0135
Dependent Mean	-2.99965	Adj R-Sq	0.0105
Coeff Var	-33.22878		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-3.17605	0.05863	-54.17	<.0001
A	1	0.12298	0.06382	1.93	0.0543
M_bin	1	0.16450	0.06382	2.58	0.0101
C	1	0.03944	0.03112	1.27	0.2054

Obs	Intercept	A	M_bin	C
1	-3.17605	0.12298	0.16450	0.039436
2	0.00344	-0.00166	-0.00168	-0.000861
3	-0.00166	0.00407	-0.00020	0.000028
4	-0.00168	-0.00020	0.00407	-0.000293
5	-0.00086	0.00003	-0.00029	0.000969

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	s_e_	p_value	_95_CI_lower	_95_CI_upper
1	marginal cde	0.12298	0.063824	0.05399	-.002110028	0.24808
2	marginal pnde	0.12298	0.063824	0.05399	-.002110028	0.24808
3	marginal pnie	0.00843	0.006234	0.17645	-.003791769	0.02065
4	marginal tnde	0.12298	0.063824	0.05399	-.002110028	0.24808
5	marginal tnie	0.00843	0.006234	0.17645	-.003791769	0.02065
6	marginal total effect	0.13141	0.064579	0.04186	0.004837481	0.25799
7	conditional cde	0.12298	0.063824	0.05399	-.002110028	0.24808
8	conditional pnde	0.12298	0.063824	0.05399	-.002110028	0.24808
9	conditional pnie	0.00843	0.006236	0.17647	-.003793012	0.02065
10	conditional tnde	0.12298	0.063824	0.05399	-.002110028	0.24808
11	conditional tnie	0.00843	0.006236	0.17647	-.003793012	0.02065
12	conditional total effect	0.13141	0.064586	0.04188	0.004824125	0.25800

Obs	Intercept	A	M_bin	C
1	-3.11715	0.13367	0.062856	0.015678
2	0.00329	-0.00162	-0.001659	-0.000800
3	-0.00162	0.00391	-0.000230	0.000068
4	-0.00166	-0.00023	0.003891	-0.000246
5	-0.00080	0.00007	-0.000246	0.000907

Obs	Intercept	A	M_bin	C
1	-2.99519	0.035045	0.088625	-0.010848
2	0.00373	-0.001850	-0.001745	-0.000950
3	-0.00185	0.004328	-0.000247	0.000027
4	-0.00175	-0.000247	0.004406	-0.000370
5	-0.00095	0.000027	-0.000370	0.001129

Obs	Intercept	A	M_bin	C
1	-3.14532	0.10425	0.13723	0.027145
2	0.00343	-0.00179	-0.00158	-0.000877
3	-0.00179	0.00377	-0.00005	0.000167
4	-0.00158	-0.00005	0.00384	-0.000380
5	-0.00088	0.00017	-0.00038	0.000973

Obs	Intercept	A	M_bin	C
1	-3.18627	0.12946	0.20034	0.085875
2	0.00358	-0.00168	-0.00167	-0.001002
3	-0.00168	0.00407	-0.00010	0.000020
4	-0.00167	-0.00010	0.00403	-0.000262
5	-0.00100	0.00002	-0.00026	0.001066

Obs	Intercept	A	M_bin	C
1	-3.17146	0.015628	0.26225	0.046318
2	0.00364	-0.001796	-0.00172	-0.000945
3	-0.00180	0.004279	-0.00017	-0.000007
4	-0.00172	-0.000168	0.00434	-0.000371
5	-0.00095	-0.000007	-0.00037	0.001143

Obs	Intercept	A	M_bin	C
1	-3.20138	0.15714	0.16944	0.022108
2	0.00372	-0.00181	-0.00171	-0.001011
3	-0.00181	0.00449	-0.00024	0.000027
4	-0.00171	-0.00024	0.00448	-0.000291
5	-0.00101	0.00003	-0.00029	0.001098

Obs	Intercept	A	M_bin	C
1	-3.13771	0.052955	0.18467	0.047878
2	0.00310	-0.001505	-0.00165	-0.000719
3	-0.00150	0.003938	-0.00010	-0.000011
4	-0.00165	-0.000101	0.00390	-0.000325
5	-0.00072	-0.000011	-0.00033	0.000900

Obs	Intercept	A	M_bin	C
1	-3.13809	0.019296	0.25127	0.036589
2	0.00354	-0.001773	-0.00170	-0.000865
3	-0.00177	0.004136	-0.00029	0.000113
4	-0.00170	-0.000288	0.00421	-0.000376
5	-0.00087	0.000113	-0.00038	0.001015

Obs	Intercept	A	M_bin	C
1	-3.13207	0.048683	0.19394	0.000208192
2	0.00358	-0.001597	-0.00174	-0.000907801
3	-0.00160	0.004245	-0.00042	-0.000042077
4	-0.00174	-0.000423	0.00425	-0.000261036
5	-0.00091	-0.000042	-0.00026	0.001019970

Obs	Intercept	A	M_bin	C
1	-3.24758	0.18299	0.29235	0.062599
2	0.00360	-0.00155	-0.00179	-0.000926
3	-0.00155	0.00421	-0.00031	-0.000016
4	-0.00179	-0.00031	0.00413	-0.000208
5	-0.00093	-0.00002	-0.00021	0.000938

Obs	Intercept	A	M_bin	C
1	-3.19201	0.14405	0.12035	0.060967
2	0.00336	-0.00162	-0.00164	-0.000814
3	-0.00162	0.00422	-0.00029	0.000043
4	-0.00164	-0.00029	0.00425	-0.000411
5	-0.00081	0.00004	-0.00041	0.000976

Obs	Intercept	A	M_bin	C
1	-3.19764	0.072420	0.20851	0.020492
2	0.00305	-0.001455	-0.00146	-0.000793
3	-0.00146	0.004078	-0.00030	-0.000007
4	-0.00146	-0.000301	0.00409	-0.000438
5	-0.00079	-0.000007	-0.00044	0.001017

Obs	Intercept	A	M_bin	C
1	-3.10849	0.12100	0.092767	0.050045
2	0.00348	-0.00153	-0.001630	-0.000947
3	-0.00153	0.00380	-0.000282	0.000097
4	-0.00163	-0.00028	0.003725	-0.000188
5	-0.00095	0.00010	-0.000188	0.000890

Obs	Intercept	A	M_bin	C
1	-3.28873	0.18070	0.24221	0.055113
2	0.00335	-0.00164	-0.00161	-0.000839
3	-0.00164	0.00411	-0.00030	0.000060
4	-0.00161	-0.00030	0.00410	-0.000311
5	-0.00084	0.00006	-0.00031	0.000941

Obs	Intercept	A	M_bin	C
1	-3.10088	0.063949	0.13557	0.027280
2	0.00355	-0.001755	-0.00168	-0.000885
3	-0.00176	0.003963	-0.00016	0.000077
4	-0.00168	-0.000157	0.00400	-0.000297
5	-0.00088	0.000077	-0.00030	0.000958

Obs	Intercept	A	M_bin	C
1	-3.06670	0.19127	0.045640	0.061062
2	0.00314	-0.00142	-0.001643	-0.000752
3	-0.00142	0.00389	-0.000214	-0.000069
4	-0.00164	-0.00021	0.003836	-0.000244
5	-0.00075	-0.00007	-0.000244	0.000890

Obs	Intercept	A	M_bin	C
1	-3.11624	0.14412	0.14848	0.038852
2	0.00355	-0.00169	-0.00189	-0.000807
3	-0.00169	0.00419	-0.00005	-0.000069
4	-0.00189	-0.00005	0.00420	-0.000300
5	-0.00081	-0.00007	-0.00030	0.000992

Obs	Intercept	A	M_bin	C
1	-3.13559	0.072619	0.071873	0.063856
2	0.00349	-0.001726	-0.001759	-0.000856
3	-0.00173	0.004041	0.000038	0.000036
4	-0.00176	0.000038	0.004028	-0.000322
5	-0.00086	0.000036	-0.000322	0.000967

Obs	Intercept	A	M_bin	C
1	-3.15375	0.17485	0.15965	-.002175837
2	0.00356	-0.00176	-0.00163	-.000862781
3	-0.00176	0.00416	-0.00013	-.000097119
4	-0.00163	-0.00013	0.00426	-.000354315
5	-0.00086	-0.00010	-0.00035	0.001010486

Obs	Intercept	A	M_bin	C
1	-3.14529	0.10610	0.13617	0.058780
2	0.00331	-0.00150	-0.00174	-0.000797
3	-0.00150	0.00389	-0.00013	-0.000088
4	-0.00174	-0.00013	0.00386	-0.000225
5	-0.00080	-0.00009	-0.00023	0.000935

Obs	Intercept	A	M_bin	C
1	-3.15777	0.082334	0.20536	0.045850
2	0.00362	-0.001796	-0.00177	-0.000847
3	-0.00180	0.004389	-0.00028	0.000052
4	-0.00177	-0.000280	0.00441	-0.000328
5	-0.00085	0.000052	-0.00033	0.000952

Obs	Intercept	A	M_bin	C
1	-3.18127	0.057786	0.17348	0.055455
2	0.00354	-0.001792	-0.00159	-0.000895
3	-0.00179	0.004315	-0.00043	0.000108
4	-0.00159	-0.000433	0.00442	-0.000432
5	-0.00089	0.000108	-0.00043	0.001048

Obs	Intercept	A	M_bin	C
1	-3.09590	0.008242711	0.18826	0.015371
2	0.00349	-.001759104	-0.00158	-0.000891
3	-0.00176	0.004214874	-0.00043	0.000168
4	-0.00158	-.000434842	0.00425	-0.000385
5	-0.00089	0.000167790	-0.00039	0.000991

Obs	Intercept	A	M_bin	C
1	-3.17506	0.14796	0.16240	0.030539
2	0.00347	-0.00165	-0.00147	-0.000992
3	-0.00165	0.00416	-0.00053	0.000156
4	-0.00147	-0.00053	0.00414	-0.000340
5	-0.00099	0.00016	-0.00034	0.001029

Obs	Intercept	A	M_bin	C
1	-3.25379	0.083283	0.21606	0.055330
2	0.00361	-0.001767	-0.00161	-0.000970
3	-0.00177	0.004202	-0.00033	0.000118
4	-0.00161	-0.000328	0.00423	-0.000356
5	-0.00097	0.000118	-0.00036	0.001037

Obs	Intercept	A	M_bin	C
1	-3.22005	0.20973	0.20491	0.000818453
2	0.00335	-0.00163	-0.00167	-.000825068
3	-0.00163	0.00428	-0.00026	0.000042870
4	-0.00167	-0.00026	0.00421	-.000312330
5	-0.00083	0.00004	-0.00031	0.000944725

Obs	Intercept	A	M_bin	C
1	-3.16919	0.075066	0.19546	0.017831
2	0.00345	-0.001790	-0.00165	-0.000867
3	-0.00179	0.004137	-0.00021	0.000098
4	-0.00165	-0.000211	0.00417	-0.000337
5	-0.00087	0.000098	-0.00034	0.001022

Obs	Intercept	A	M_bin	C
1	-3.18897	0.23109	0.12484	0.044865
2	0.00361	-0.00177	-0.00181	-0.000849
3	-0.00177	0.00403	-0.00009	-0.000037
4	-0.00181	-0.00009	0.00407	-0.000240
5	-0.00085	-0.00004	-0.00024	0.000968

Obs	Intercept	A	M_bin	C
1	-3.15994	0.21894	0.12668	0.045816
2	0.00342	-0.00178	-0.00166	-0.000889
3	-0.00178	0.00418	-0.00016	0.000112
4	-0.00166	-0.00016	0.00415	-0.000290
5	-0.00089	0.00011	-0.00029	0.001017

Obs	Intercept	A	M_bin	C
1	-3.15246	0.098702	0.22479	0.032654
2	0.00331	-0.001537	-0.00153	-0.000883
3	-0.00154	0.004129	-0.00026	-0.000057
4	-0.00153	-0.000260	0.00412	-0.000325
5	-0.00088	-0.000057	-0.00032	0.001003

Obs	Intercept	A	M_bin	C
1	-3.23538	0.11563	0.18338	0.071986
2	0.00339	-0.00171	-0.00154	-0.000863
3	-0.00171	0.00407	-0.00026	0.000086
4	-0.00154	-0.00026	0.00414	-0.000394
5	-0.00086	0.00009	-0.00039	0.000980

Obs	Intercept	A	M_bin	C
1	-3.09007	-0.031754	0.21020	0.019239
2	0.00354	-0.001654	-0.00178	-0.000881
3	-0.00165	0.004141	-0.00021	-0.000005
4	-0.00178	-0.000209	0.00415	-0.000297
5	-0.00088	-0.000005	-0.00030	0.001018

Obs	Intercept	A	M_bin	C
1	-3.11316	0.13608	0.19319	0.013698
2	0.00326	-0.00154	-0.00172	-0.000711
3	-0.00154	0.00393	-0.00011	-0.000159
4	-0.00172	-0.00011	0.00395	-0.000280
5	-0.00071	-0.00016	-0.00028	0.000917

Obs	Intercept	A	M_bin	C
1	-3.19404	0.095372	0.15540	0.037413
2	0.00313	-0.001462	-0.00159	-0.000758
3	-0.00146	0.004125	-0.00030	-0.000021
4	-0.00159	-0.000304	0.00410	-0.000377
5	-0.00076	-0.000021	-0.00038	0.000955

Obs	Intercept	A	M_bin	C
1	-3.16811	0.11421	0.090118	0.059674
2	0.00333	-0.00174	-0.001619	-0.000793
3	-0.00174	0.00405	-0.000227	0.000051
4	-0.00162	-0.00023	0.004095	-0.000302
5	-0.00079	0.00005	-0.000302	0.000954

Obs	Intercept	A	M_bin	C
1	-3.13468	0.013534	0.15577	0.032448
2	0.00353	-0.001738	-0.00161	-0.000945
3	-0.00174	0.004003	-0.00025	0.000084
4	-0.00161	-0.000246	0.00402	-0.000273
5	-0.00094	0.000084	-0.00027	0.001011

Obs	Intercept	A	M_bin	C
1	-3.05002	0.054868	0.12315	0.010266
2	0.00309	-0.001601	-0.00155	-0.000762
3	-0.00160	0.003912	-0.00026	0.000129
4	-0.00155	-0.000257	0.00386	-0.000286
5	-0.00076	0.000129	-0.00029	0.000902

Obs	Intercept	A	M_bin	C
1	-3.15109	0.13199	0.15593	0.016357
2	0.00349	-0.00181	-0.00172	-0.000823
3	-0.00181	0.00384	0.00002	0.000060
4	-0.00172	0.00002	0.00389	-0.000280
5	-0.00082	0.00006	-0.00028	0.000928

Obs	Intercept	A	M_bin	C
1	-3.14502	0.14332	0.11736	0.043880
2	0.00330	-0.00161	-0.00173	-0.000816
3	-0.00161	0.00408	-0.00014	-0.000032
4	-0.00173	-0.00014	0.00402	-0.000195
5	-0.00082	-0.00003	-0.00020	0.000969

Obs	Intercept	A	M_bin	C
1	-3.21323	0.20434	0.13184	0.039449
2	0.00353	-0.00166	-0.00164	-0.000938
3	-0.00166	0.00404	-0.00025	0.000028
4	-0.00164	-0.00025	0.00405	-0.000283
5	-0.00094	0.00003	-0.00028	0.001009

Obs	Intercept	A	M_bin	C
1	-3.09956	0.15736	0.092642	0.024290
2	0.00335	-0.00153	-0.001683	-0.000830
3	-0.00153	0.00408	-0.000200	-0.000037
4	-0.00168	-0.00020	0.004051	-0.000309
5	-0.00083	-0.00004	-0.000309	0.000953

Obs	Intercept	A	M_bin	C
1	-3.16244	-0.054435	0.18061	0.085387
2	0.00360	-0.001760	-0.00171	-0.000973
3	-0.00176	0.004266	-0.00009	0.000076
4	-0.00171	-0.000085	0.00420	-0.000327
5	-0.00097	0.000076	-0.00033	0.001063

Obs	Intercept	A	M_bin	C
1	-3.16885	0.21941	0.11138	0.035767
2	0.00355	-0.00171	-0.00176	-0.000865
3	-0.00171	0.00422	-0.00027	0.000069
4	-0.00176	-0.00027	0.00418	-0.000249
5	-0.00086	0.00007	-0.00025	0.000916

Obs	Intercept	A	M_bin	C
1	-3.17446	0.21411	0.20698	0.024168
2	0.00373	-0.00178	-0.00195	-0.000900
3	-0.00178	0.00437	-0.00009	0.000000
4	-0.00195	-0.00009	0.00429	-0.000197
5	-0.00090	0.00000	-0.00020	0.000970

Obs	Intercept	A	M_bin	C
1	-3.22937	0.23084	0.17742	0.033648
2	0.00336	-0.00166	-0.00170	-0.000790
3	-0.00166	0.00424	-0.00033	0.000039
4	-0.00170	-0.00033	0.00424	-0.000311
5	-0.00079	0.00004	-0.00031	0.000945

Obs	Intercept	A	M_bin	C
1	-3.14795	0.24668	0.078898	-0.023483
2	0.00321	-0.00161	-0.001602	-0.000818
3	-0.00161	0.00399	-0.000003	0.000050
4	-0.00160	-0.00000	0.003955	-0.000388
5	-0.00082	0.00005	-0.000388	0.000988

Obs	Intercept	A	M_bin	C
1	-3.25855	0.20427	0.17959	0.026309
2	0.00356	-0.00174	-0.00183	-0.000867
3	-0.00174	0.00415	0.00009	-0.000025
4	-0.00183	0.00009	0.00409	-0.000259
5	-0.00087	-0.00002	-0.00026	0.000962

Obs	Intercept	A	M_bin	C
1	-3.25291	0.29994	0.18904	0.032006
2	0.00307	-0.00152	-0.00155	-0.000743
3	-0.00152	0.00373	-0.00014	0.000009
4	-0.00155	-0.00014	0.00373	-0.000281
5	-0.00074	0.00001	-0.00028	0.000890

Obs	Intercept	A	M_bin	C
1	-3.19513	0.23279	0.18052	0.039546
2	0.00351	-0.00175	-0.00178	-0.000804
3	-0.00175	0.00412	-0.00004	0.000036
4	-0.00178	-0.00004	0.00416	-0.000357
5	-0.00080	0.00004	-0.00036	0.000928

Obs	Intercept	A	M_bin	C
1	-3.19468	0.17075	0.18449	0.027740
2	0.00366	-0.00181	-0.00173	-0.000895
3	-0.00181	0.00451	-0.00023	0.000026
4	-0.00173	-0.00023	0.00461	-0.000475
5	-0.00090	0.00003	-0.00047	0.001080

Obs	Intercept	A	M_bin	C
1	-3.16288	0.070563	0.20686	0.045946
2	0.00322	-0.001601	-0.00147	-0.000843
3	-0.00160	0.003980	-0.00030	0.000077
4	-0.00147	-0.000302	0.00402	-0.000385
5	-0.00084	0.000077	-0.00039	0.000984

Obs	Intercept	A	M_bin	C
1	-3.29709	0.17217	0.27296	0.076009
2	0.00343	-0.00169	-0.00184	-0.000794
3	-0.00169	0.00446	-0.00008	-0.000058
4	-0.00184	-0.00008	0.00436	-0.000291
5	-0.00079	-0.00006	-0.00029	0.000986

Obs	Intercept	A	M_bin	C
1	-3.18514	0.073823	0.13658	0.062929
2	0.00296	-0.001405	-0.00137	-0.000760
3	-0.00141	0.003636	-0.00021	-0.000011
4	-0.00137	-0.000213	0.00364	-0.000284
5	-0.00076	-0.000011	-0.00028	0.000830

Obs	Intercept	A	M_bin	C
1	-3.19975	0.14041	0.13574	0.046469
2	0.00338	-0.00167	-0.00159	-0.000830
3	-0.00167	0.00410	-0.00018	-0.000066
4	-0.00159	-0.00018	0.00413	-0.000266
5	-0.00083	-0.00007	-0.00027	0.000924

Obs	Intercept	A	M_bin	C
1	-3.22751	0.18754	0.18675	0.068479
2	0.00348	-0.00150	-0.00176	-0.000861
3	-0.00150	0.00439	-0.00042	-0.000112
4	-0.00176	-0.00042	0.00437	-0.000323
5	-0.00086	-0.00011	-0.00032	0.001050

Obs	Intercept	A	M_bin	C
1	-3.11708	0.15802	0.059380	0.065404
2	0.00347	-0.00158	-0.001658	-0.000924
3	-0.00158	0.00422	-0.000396	0.000020
4	-0.00166	-0.00040	0.004210	-0.000330
5	-0.00092	0.00002	-0.000330	0.001064

Obs	Intercept	A	M_bin	C
1	-3.14285	0.11999	0.16888	0.031565
2	0.00316	-0.00160	-0.00171	-0.000679
3	-0.00160	0.00364	-0.00005	0.000008
4	-0.00171	-0.00005	0.00366	-0.000211
5	-0.00068	0.00001	-0.00021	0.000826

Obs	Intercept	A	M_bin	C
1	-3.23988	0.11455	0.27833	0.055331
2	0.00323	-0.00158	-0.00169	-0.000732
3	-0.00158	0.00402	-0.00006	-0.000075
4	-0.00169	-0.00006	0.00404	-0.000336
5	-0.00073	-0.00007	-0.00034	0.000939

Obs	Intercept	A	M_bin	C
1	-3.24206	0.19346	0.12108	0.070303
2	0.00330	-0.00168	-0.00162	-0.000793
3	-0.00168	0.00382	-0.00017	0.000139
4	-0.00162	-0.00017	0.00388	-0.000361
5	-0.00079	0.00014	-0.00036	0.000922

Obs	Intercept	A	M_bin	C
1	-3.22783	0.16768	0.15651	0.050532
2	0.00344	-0.00157	-0.00156	-0.000997
3	-0.00157	0.00421	-0.00032	0.000063
4	-0.00156	-0.00032	0.00410	-0.000299
5	-0.00100	0.00006	-0.00030	0.001049

Obs	Intercept	A	M_bin	C
1	-3.18144	0.11864	0.15738	0.051307
2	0.00346	-0.00168	-0.00165	-0.000860
3	-0.00168	0.00393	-0.00019	0.000058
4	-0.00165	-0.00019	0.00400	-0.000349
5	-0.00086	0.00006	-0.00035	0.000973

Obs	Intercept	A	M_bin	C
1	-3.07491	0.070832	0.16549	0.015734
2	0.00324	-0.001593	-0.00153	-0.000780
3	-0.00159	0.003724	-0.00028	0.000086
4	-0.00153	-0.000283	0.00377	-0.000282
5	-0.00078	0.000086	-0.00028	0.000842

Obs	Intercept	A	M_bin	C
1	-3.16283	0.053038	0.19318	0.027021
2	0.00336	-0.001632	-0.00159	-0.000827
3	-0.00163	0.003966	-0.00031	-0.000008
4	-0.00159	-0.000307	0.00404	-0.000333
5	-0.00083	-0.000008	-0.00033	0.001001

Obs	Intercept	A	M_bin	C
1	-3.24100	0.17219	0.19845	0.062578
2	0.00368	-0.00180	-0.00172	-0.000974
3	-0.00180	0.00412	-0.00024	0.000064
4	-0.00172	-0.00024	0.00414	-0.000244
5	-0.00097	0.00006	-0.00024	0.001047

Obs	Intercept	A	M_bin	C
1	-3.19482	0.068929	0.11797	0.058371
2	0.00388	-0.001844	-0.00182	-0.000991
3	-0.00184	0.004296	-0.00015	0.000005
4	-0.00182	-0.000155	0.00441	-0.000410
5	-0.00099	0.000005	-0.00041	0.001148

Obs	Intercept	A	M_bin	C
1	-3.26184	0.11840	0.16016	0.054246
2	0.00336	-0.00166	-0.00158	-0.000822
3	-0.00166	0.00402	-0.00042	0.000020
4	-0.00158	-0.00042	0.00408	-0.000287
5	-0.00082	0.00002	-0.00029	0.000968

Obs	Intercept	A	M_bin	C
1	-3.25505	0.17454	0.21955	0.085787
2	0.00336	-0.00157	-0.00158	-0.000907
3	-0.00157	0.00400	-0.00023	-0.000007
4	-0.00158	-0.00023	0.00397	-0.000261
5	-0.00091	-0.00001	-0.00026	0.000990

Obs	Intercept	A	M_bin	C
1	-3.16412	0.082561	0.099542	0.050382
2	0.00388	-0.001815	-0.001840	-0.001036
3	-0.00181	0.004059	-0.000089	0.000013
4	-0.00184	-0.000089	0.004075	-0.000217
5	-0.00104	0.000013	-0.000217	0.001077

Obs	Intercept	A	M_bin	C
1	-3.14239	0.13680	0.16595	0.039908
2	0.00345	-0.00167	-0.00181	-0.000831
3	-0.00167	0.00412	-0.00008	0.000017
4	-0.00181	-0.00008	0.00405	-0.000237
5	-0.00083	0.00002	-0.00024	0.000942

Obs	Intercept	A	M_bin	C
1	-3.27200	0.18438	0.26509	0.037695
2	0.00387	-0.00178	-0.00188	-0.001037
3	-0.00178	0.00429	-0.00011	0.000114
4	-0.00188	-0.00011	0.00419	-0.000264
5	-0.00104	0.00011	-0.00026	0.001033

Obs	Intercept	A	M_bin	C
1	-3.11450	0.005699065	0.19223	0.041250
2	0.00357	-.001649436	-0.00172	-0.000960
3	-0.00165	0.004240258	-0.00029	-0.000002
4	-0.00172	-.000290709	0.00418	-0.000188
5	-0.00096	-.000001957	-0.00019	0.001012

Obs	Intercept	A	M_bin	C
1	-3.16676	0.13928	0.13748	0.043302
2	0.00344	-0.00177	-0.00165	-0.000854
3	-0.00177	0.00425	-0.00022	0.000106
4	-0.00165	-0.00022	0.00427	-0.000381
5	-0.00085	0.00011	-0.00038	0.001000

Obs	Intercept	A	M_bin	C
1	-3.22232	0.099079	0.18077	0.069460
2	0.00327	-0.001609	-0.00161	-0.000811
3	-0.00161	0.004224	-0.00024	-0.000030
4	-0.00161	-0.000245	0.00422	-0.000332
5	-0.00081	-0.000030	-0.00033	0.000992

Obs	Intercept	A	M_bin	C
1	-3.13979	0.050165	0.099729	0.083752
2	0.00346	-0.001673	-0.001696	-0.000823
3	-0.00167	0.004070	-0.000221	0.000025
4	-0.00170	-0.000221	0.004133	-0.000351
5	-0.00082	0.000025	-0.000351	0.000957

Obs	Intercept	A	M_bin	C
1	-3.16767	0.21223	0.098605	0.046575
2	0.00361	-0.00179	-0.001794	-0.000932
3	-0.00179	0.00417	-0.000030	0.000004
4	-0.00179	-0.00003	0.004137	-0.000216
5	-0.00093	0.00000	-0.000216	0.001033

Obs	Intercept	A	M_bin	C
1	-3.28618	0.081415	0.23374	0.088617
2	0.00326	-0.001573	-0.00180	-0.000745
3	-0.00157	0.003855	0.00015	-0.000081
4	-0.00180	0.000151	0.00377	-0.000194
5	-0.00074	-0.000081	-0.00019	0.000863

Obs	Intercept	A	M_bin	C
1	-3.21510	0.14944	0.14067	0.063550
2	0.00356	-0.00163	-0.00191	-0.000846
3	-0.00163	0.00438	-0.00023	0.000066
4	-0.00191	-0.00023	0.00428	-0.000326
5	-0.00085	0.00007	-0.00033	0.000985

Obs	Intercept	A	M_bin	C
1	-3.19371	0.015037	0.25584	0.005569652
2	0.00329	-0.001438	-0.000160	-.000871674
3	-0.00144	0.003903	-0.000022	-.000013993
4	-0.00160	-0.000220	0.00388	-.000343217
5	-0.00087	-0.000014	-0.000034	0.000994447

Obs	Intercept	A	M_bin	C
1	-3.06605	0.081307	0.15072	0.024685
2	0.00347	-0.001756	-0.00164	-0.000869
3	-0.00176	0.004009	-0.00014	0.000081
4	-0.00164	-0.000143	0.00402	-0.000290
5	-0.00087	0.000081	-0.00029	0.000943

Obs	Intercept	A	M_bin	C
1	-3.23350	0.11212	0.24269	0.010799
2	0.00370	-0.00198	-0.00183	-0.000862
3	-0.00198	0.00414	-0.00006	0.000120
4	-0.00183	-0.00006	0.00416	-0.000259
5	-0.00086	0.00012	-0.00026	0.000957

Obs	Intercept	A	M_bin	C
1	-3.09790	0.053326	0.14978	-.009616444
2	0.00338	-0.001639	-0.00161	-.000872346
3	-0.00164	0.004020	-0.00026	0.000018931
4	-0.00161	-0.000257	0.00404	-.000303937
5	-0.00087	0.000019	-0.00030	0.001014709

Obs	Intercept	A	M_bin	C
1	-3.17190	0.18568	0.18154	0.002521504
2	0.00329	-0.00161	-0.00147	-.000847206
3	-0.00161	0.00415	-0.00037	-.000030977
4	-0.00147	-0.00037	0.00424	-.000389234
5	-0.00085	-0.00003	-0.00039	0.001017917

Obs	Intercept	A	M_bin	C
1	-3.15165	0.19376	0.18800	0.010108
2	0.00328	-0.00153	-0.00160	-0.000895
3	-0.00153	0.00414	-0.00019	0.000046
4	-0.00160	-0.00019	0.00400	-0.000306
5	-0.00089	0.00005	-0.00031	0.000997

Obs	Intercept	A	M_bin	C
1	-3.17945	0.11833	0.16273	0.048551
2	0.00306	-0.00148	-0.00157	-0.000700
3	-0.00148	0.00382	-0.00038	-0.000023
4	-0.00157	-0.00038	0.00382	-0.000214
5	-0.00070	-0.00002	-0.00021	0.000855

Obs	Intercept	A	M_bin	C
1	-3.16086	0.14159	0.14688	0.026898
2	0.00358	-0.00174	-0.00179	-0.000890
3	-0.00174	0.00406	-0.00023	0.000168
4	-0.00179	-0.00023	0.00402	-0.000260
5	-0.00089	0.00017	-0.00026	0.000932

Obs	Intercept	A	M_bin	C
1	-3.07973	0.13383	0.12433	0.006754955
2	0.00391	-0.00202	-0.00189	-.000946619
3	-0.00202	0.00449	0.00002	0.000097374
4	-0.00189	0.00002	0.00453	-.000407470
5	-0.00095	0.00010	-0.00041	0.001054282

Obs	Intercept	A	M_bin	C
1	-3.15401	0.058135	0.18519	0.014224
2	0.00366	-0.001872	-0.00158	-0.000953
3	-0.00187	0.004216	-0.00038	0.000189
4	-0.00158	-0.000383	0.00429	-0.000405
5	-0.00095	0.000189	-0.00041	0.001021

Obs	Intercept	A	M_bin	C
1	-3.14343	0.13527	0.077226	0.069629
2	0.00342	-0.00154	-0.001663	-0.000908
3	-0.00154	0.00411	-0.000318	0.000035
4	-0.00166	-0.00032	0.004070	-0.000323
5	-0.00091	0.00003	-0.000323	0.001020

Obs	Intercept	A	M_bin	C
1	-3.15962	0.077130	0.10878	0.065880
2	0.00337	-0.001568	-0.00166	-0.000881
3	-0.00157	0.004013	-0.00018	-0.000004
4	-0.00166	-0.000180	0.00394	-0.000216
5	-0.00088	-0.000004	-0.00022	0.000939

Obs	Intercept	A	M_bin	C
1	-3.13051	0.099862	0.087283	0.017722
2	0.00341	-0.001698	-0.001521	-0.000878
3	-0.00170	0.004248	-0.000514	0.000146
4	-0.00152	-0.000514	0.004403	-0.000531
5	-0.00088	0.000146	-0.000531	0.001090

Obs	Intercept	A	M_bin	C
1	-3.26627	0.12449	0.21335	0.063274
2	0.00332	-0.00154	-0.00161	-0.000877
3	-0.00154	0.00385	-0.00025	0.000012
4	-0.00161	-0.00025	0.00379	-0.000141
5	-0.00088	0.00001	-0.00014	0.000887

Obs	Intercept	A	M_bin	C
1	-3.07794	0.066625	0.14139	0.035866
2	0.00387	-0.001868	-0.00176	-0.000988
3	-0.00187	0.004545	-0.00025	-0.000052
4	-0.00176	-0.000246	0.00468	-0.000465
5	-0.00099	-0.000052	-0.00046	0.001201

Obs	Intercept	A	M_bin	C
1	-3.22319	0.15139	0.29440	0.021908
2	0.00345	-0.00173	-0.00158	-0.000893
3	-0.00173	0.00400	-0.00033	0.000127
4	-0.00158	-0.00033	0.00403	-0.000316
5	-0.00089	0.00013	-0.00032	0.000976

Obs	Intercept	A	M_bin	C
1	-3.21011	0.13565	0.17355	0.036283
2	0.00334	-0.00156	-0.00168	-0.000843
3	-0.00156	0.00399	-0.00031	0.000017
4	-0.00168	-0.00031	0.00394	-0.000188
5	-0.00084	0.00002	-0.00019	0.000924

Obs	Intercept	A	M_bin	C
1	-3.21645	0.10321	0.15472	0.053037
2	0.00336	-0.00160	-0.00162	-0.000922
3	-0.00160	0.00394	-0.00024	0.000119
4	-0.00162	-0.00024	0.00384	-0.000226
5	-0.00092	0.00012	-0.00023	0.000957

Obs	Intercept	A	M_bin	C
1	-3.28547	0.17935	0.20946	0.057365
2	0.00387	-0.00175	-0.00196	-0.000953
3	-0.00175	0.00444	-0.00030	-0.000031
4	-0.00196	-0.00030	0.00448	-0.000308
5	-0.00095	-0.00003	-0.00031	0.001113

Obs	Intercept	A	M_bin	C
1	-3.16013	0.031736	0.11673	0.090458
2	0.00346	-0.001555	-0.00183	-0.000776
3	-0.00156	0.004194	-0.00032	-0.000041
4	-0.00183	-0.000324	0.00426	-0.000353
5	-0.00078	-0.000041	-0.00035	0.000974

Obs	Intercept	A	M_bin	C
1	-3.12789	0.036153	0.17741	0.047758
2	0.00335	-0.001697	-0.00167	-0.000789
3	-0.00170	0.004054	-0.00022	0.000066
4	-0.00167	-0.000219	0.00408	-0.000313
5	-0.00079	0.000066	-0.00031	0.000933

Obs	Intercept	A	M_bin	C
1	-3.23623	0.12258	0.19865	0.033349
2	0.00364	-0.00179	-0.00196	-0.000844
3	-0.00179	0.00436	-0.00008	-0.000070
4	-0.00196	-0.00008	0.00432	-0.000187
5	-0.00084	-0.00007	-0.00019	0.001011

Obs	Intercept	A	M_bin	C
1	-3.20635	0.060345	0.17174	0.039835
2	0.00345	-0.001781	-0.00155	-0.000865
3	-0.00178	0.004146	-0.00036	0.000096
4	-0.00155	-0.000361	0.00427	-0.000426
5	-0.00086	0.000096	-0.00043	0.001044

The REG Procedure

Model: MODEL1

Dependent Variable: Y_cont_noint

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	3	1356.32641	452.10880	453.31	<.0001
Error	99996	99732	0.99736		
Corrected Total	99999	101088			

Root MSE	0.99868	R-Square	0.0134
Dependent Mean	-2.99724	Adj R-Sq	0.0134
Coeff Var	-33.31995		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-3.17368	0.00586	-541.42	<.0001
A	1	0.12003	0.00640	18.77	<.0001
M_bin	1	0.16545	0.00640	25.85	<.0001
C	1	0.04043	0.00313	12.93	<.0001

Obs	Intercept	A	M_bin	C
1	-3.17368	0.12003	0.16545	0.040429
2	0.00003	-0.00002	-0.00002	-0.000009
3	-0.00002	0.00004	-0.00000	0.000000
4	-0.00002	-0.00000	0.00004	-0.000003
5	-0.00001	0.00000	-0.00000	0.000010

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	50746
2	0	49254

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	138609.17	136021.08
SC	138618.69	136049.62
-2 Log L	138607.17	136015.08

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2592.0933	2	<.0001	
Score	2561.3162	2	<.0001	
Wald	2501.1414	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3717	0.0108	1194.4637	<.0001
A	1	0.2120	0.0130	267.5309	<.0001
C	1	0.3048	0.00640	2265.9826	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.236	1.205	1.268
C	1.356	1.339	1.373

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.5	Somers' D	0.190
Percent Discordant	40.5	Gamma	0.190
Percent Tied	0.0	Tau-a	0.095
Pairs	2499443484	c	0.595

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.11995	0.065586	0.005699	0.23279
2	marginal pnde	0.11995	0.065586	0.005699	0.23279
3	marginal pnie	0.00886	0.006062	-0.000758	0.02120
4	marginal tnde	0.11995	0.065586	0.005699	0.23279
5	marginal tnie	0.00886	0.006062	-0.000758	0.02120
6	marginal total effect	0.12881	0.064807	0.019190	0.24518
7	conditional cde	0.11995	0.065586	0.005699	0.23279
8	conditional pnde	0.11995	0.065586	0.005699	0.23279
9	conditional pnie	0.00886	0.006063	-0.000758	0.02120
10	conditional tnde	0.11995	0.065586	0.005699	0.23279
11	conditional tnie	0.00886	0.006063	-0.000758	0.02120
12	conditional total effect	0.12881	0.064806	0.019189	0.24518

The LOGISTIC Procedure

Model Information	
Data Set	WORK.DATA1
Response Variable	Y_bin_noint
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_noint	Total Frequency
1	1	4576
2	0	95424

Probability modeled is Y_bin_noint='1'.

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	37169.258	37117.045
SC	37178.771	37155.097
-2 Log L	37167.258	37109.045

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	58.2129	3	<.0001	
Score	58.1750	3	<.0001	
Wald	58.0150	3	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1727	0.0292	11806.7187	<.0001
A	1	0.1040	0.0305	11.6502	0.0006
M_bin	1	0.2048	0.0308	44.1188	<.0001
C	1	-0.0181	0.0151	1.4506	0.2284

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.110	1.045	1.178
M_bin	1.227	1.155	1.304
C	0.982	0.953	1.011

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	53.4	Somers' D	0.067
Percent Discordant	46.6	Gamma	0.067
Percent Tied	0.0	Tau-a	0.006
Pairs	436660224	c	0.534

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	50736
2	0	49264

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	138609.77	136065.46
SC	138619.28	136094.00
-2 Log L	138607.77	136059.46

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2548.3052	2	<.0001	
Score	2518.5068	2	<.0001	
Wald	2460.2561	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3639	0.0108	1141.4966	<.0001
A	1	0.1854	0.0130	204.2962	<.0001
C	1	0.3060	0.00640	2285.5781	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.204	1.173	1.235
C	1.358	1.341	1.375

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	2499458304	c	0.594

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.18057	0.43128	0.59472	2.18150
2	marginal pnde	1.18057	0.43128	0.59472	2.18150
3	marginal pnie	1.01011	0.01843	0.97215	1.05309
4	marginal tnde	1.18057	0.43128	0.59472	2.18150
5	marginal tnie	1.01011	0.01843	0.97215	1.05309
6	marginal total effect	1.19148	0.43275	0.60765	2.19214
7	conditional cde	1.18057	0.43128	0.59472	2.18150
8	conditional pnde	1.18057	0.43128	0.59472	2.18150
9	conditional pnie	1.01013	0.01845	0.97216	1.05320
10	conditional tnde	1.18057	0.43128	0.59472	2.18150
11	conditional tnie	1.01013	0.01845	0.97216	1.05320
12	conditional total effect	1.19150	0.43276	0.60765	2.19216

The GENMOD Procedure

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

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-169.2213	
Full Log Likelihood		-169.2213	
AIC (smaller is better)		346.4425	
AICC (smaller is better)		346.4827	
BIC (smaller is better)		366.0735	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10987	-0.04354	-0.05730	-0.02402
Prm2	-0.04354	0.09329	-0.002248	-0.000749
Prm3	-0.05730	-0.002248	0.10255	-0.005982
Prm4	-0.02402	-0.000749	-0.005982	0.02373

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.7008	0.3315	-4.3505	-3.0512	124.66	<.0001
A	1	0.3112	0.3054	-0.2874	0.9099	1.04	0.3083
M_bin	1	0.4416	0.3202	-0.1861	1.0692	1.90	0.1679
C	1	0.1005	0.1540	-0.2014	0.4024	0.43	0.5140
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-157.6333	
Full Log Likelihood		-157.6333	
AIC (smaller is better)		323.2666	
AICC (smaller is better)		323.3068	
BIC (smaller is better)		342.8976	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10863	-0.05044	-0.04322	-0.03024
Prm2	-0.05044	0.10421	-0.004119	0.001367
Prm3	-0.04322	-0.004119	0.10637	-0.007912
Prm4	-0.03024	0.001367	-0.007912	0.02840

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5422	0.3296	-4.1882	-2.8962	115.50	<.0001
A	1	0.2396	0.3228	-0.3931	0.8724	0.55	0.4579
M_bin	1	-0.0623	0.3262	-0.7016	0.5769	0.04	0.8485
C	1	0.1509	0.1685	-0.1794	0.4812	0.80	0.3707
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-194.8285	
Full Log Likelihood		-194.8285	
AIC (smaller is better)		397.6570	
AICC (smaller is better)		397.6972	
BIC (smaller is better)		417.2880	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06668	-0.03394	-0.03515	-0.01359
Prm2	-0.03394	0.07803	-0.003991	-0.000806
Prm3	-0.03515	-0.003991	0.08002	-0.006015
Prm4	-0.01359	-0.000806	-0.006015	0.01856

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0515	0.2582	-3.5576	-2.5454	139.66	<.0001
A	1	0.1758	0.2793	-0.3716	0.7233	0.40	0.5290
M_bin	1	0.1630	0.2829	-0.3914	0.7174	0.33	0.5645
C	1	-0.1280	0.1362	-0.3950	0.1391	0.88	0.3476
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-157.9574	
Full Log Likelihood		-157.9574	
AIC (smaller is better)		323.9148	
AICC (smaller is better)		323.9550	
BIC (smaller is better)		343.5458	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09449	-0.04949	-0.05286	-0.01888
Prm2	-0.04949	0.10518	0.006008	-0.002267
Prm3	-0.05286	0.006008	0.10830	-0.009499
Prm4	-0.01888	-0.002267	-0.009499	0.02767

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2861	0.3074	-3.8886	-2.6836	114.28	<.0001
A	1	-0.0196	0.3243	-0.6553	0.6160	0.00	0.9517
M_bin	1	0.1940	0.3291	-0.4510	0.8390	0.35	0.5554
C	1	-0.1077	0.1663	-0.4337	0.2183	0.42	0.5174
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-175.8477	
Full Log Likelihood		-175.8477	
AIC (smaller is better)		359.6953	
AICC (smaller is better)		359.7355	
BIC (smaller is better)		379.3263	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07995	-0.04132	-0.04796	-0.01202
Prm2	-0.04132	0.08895	-0.001646	-0.001654
Prm3	-0.04796	-0.001646	0.09422	-0.007927
Prm4	-0.01202	-0.001654	-0.007927	0.02207

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1929	0.2828	-3.7470	-2.6387	127.51	<.0001
A	1	0.1540	0.2982	-0.4305	0.7386	0.27	0.6055
M_bin	1	0.3116	0.3070	-0.2900	0.9133	1.03	0.3100
C	1	-0.2204	0.1486	-0.5115	0.0708	2.20	0.1380
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-187.2975	
Full Log Likelihood		-187.2975	
AIC (smaller is better)		382.5950	
AICC (smaller is better)		382.6352	
BIC (smaller is better)		402.2260	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09076	-0.03143	-0.04587	-0.02358
Prm2	-0.03143	0.09639	0.002630	0.001613
Prm3	-0.04587	0.002630	0.08701	-0.007074
Prm4	-0.02358	0.001613	-0.007074	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	-3.4124	0.3013	-4.0029	-2.8219	128.30	<.0001
A	1	-0.5326	0.3105	-1.1411	0.0759	2.94	0.0863
M_bin	1	0.5014	0.2950	-0.0768	1.0795	2.89	0.0892
C	1	0.2320	0.1401	-0.0425	0.5065	2.74	0.0976
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-188.1743	
Full Log Likelihood		-188.1743	
AIC (smaller is better)		384.3485	
AICC (smaller is better)		384.3887	
BIC (smaller is better)		403.9795	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08239	-0.03271	-0.04755	-0.01811
Prm2	-0.03271	0.08578	-0.001504	0.0008688
Prm3	-0.04755	-0.001504	0.08778	-0.005833
Prm4	-0.01811	0.0008688	-0.005833	0.01927

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2932	0.2870	-3.8558	-2.7306	131.64	<.0001
A	1	-0.1632	0.2929	-0.7372	0.4109	0.31	0.5774
M_bin	1	0.4258	0.2963	-0.1548	1.0065	2.07	0.1506
C	1	0.0578	0.1388	-0.2143	0.3299	0.17	0.6771
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-164.2933	
Full Log Likelihood		-164.2933	
AIC (smaller is better)		336.5867	
AICC (smaller is better)		336.6269	
BIC (smaller is better)		356.2177	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09758	-0.04212	-0.04466	-0.02548
Prm2	-0.04212	0.10031	-0.004416	0.0006461
Prm3	-0.04466	-0.004416	0.10118	-0.006754
Prm4	-0.02548	0.0006461	-0.006754	0.02412

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4576	0.3124	-4.0698	-2.8453	122.52	<.0001
A	1	0.0128	0.3167	-0.6079	0.6336	0.00	0.9676
M_bin	1	0.1382	0.3181	-0.4852	0.7617	0.19	0.6639
C	1	0.1216	0.1553	-0.1829	0.4260	0.61	0.4338
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-187.1742	
Full Log Likelihood		-187.1742	
AIC (smaller is better)		382.3483	
AICC (smaller is better)		382.3885	
BIC (smaller is better)		401.9793	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07029	-0.02839	-0.04412	-0.01484
Prm2	-0.02839	0.09748	-0.001789	0.0008898
Prm3	-0.04412	-0.001789	0.08717	-0.007491
Prm4	-0.01484	0.0008898	-0.007491	0.01851

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0790	0.2651	-3.5986	-2.5594	134.88	<.0001
A	1	-0.5071	0.3122	-1.1190	0.1049	2.64	0.1043
M_bin	1	0.4251	0.2952	-0.1536	1.0038	2.07	0.1499
C	1	-0.0310	0.1361	-0.2977	0.2357	0.05	0.8197
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-167.3188	
Full Log Likelihood		-167.3188	
AIC (smaller is better)		342.6377	
AICC (smaller is better)		342.6779	
BIC (smaller is better)		362.2687	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08907	-0.03602	-0.04213	-0.02424
Prm2	-0.03602	0.10288	-0.006090	0.0008723
Prm3	-0.04213	-0.006090	0.10086	-0.009524
Prm4	-0.02424	0.0008723	-0.009524	0.02484

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2990	0.2984	-3.8840	-2.7141	122.19	<.0001
A	1	-0.2291	0.3208	-0.8578	0.3996	0.51	0.4751
M_bin	1	0.0698	0.3176	-0.5527	0.6922	0.05	0.8261
C	1	0.1221	0.1576	-0.1868	0.4310	0.60	0.4385
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	50
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	50
2	0	950

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-198.3331	
Full Log Likelihood		-198.3331	
AIC (smaller is better)		404.6661	
AICC (smaller is better)		404.7063	
BIC (smaller is better)		424.2971	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07042	-0.03571	-0.02916	-0.01922
Prm2	-0.03571	0.07662	-0.002928	0.001587
Prm3	-0.02916	-0.002928	0.07823	-0.006357
Prm4	-0.01922	0.001587	-0.006357	0.01972

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0279	0.2654	-3.5480	-2.5078	130.19	<.0001
A	1	0.1346	0.2768	-0.4079	0.6771	0.24	0.6268
M_bin	1	-0.1034	0.2797	-0.6516	0.4448	0.14	0.7117
C	1	0.0214	0.1404	-0.2538	0.2966	0.02	0.8788
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-178.0543	
Full Log Likelihood		-178.0543	
AIC (smaller is better)		364.1086	
AICC (smaller is better)		364.1488	
BIC (smaller is better)		383.7396	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06258	-0.02913	-0.03882	-0.01439
Prm2	-0.02913	0.09734	-0.006880	-0.000034
Prm3	-0.03882	-0.006880	0.08942	-0.007465
Prm4	-0.01439	-0.000034	-0.007465	0.02425

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.7920	0.2502	-3.2823	-2.3017	124.57	<.0001
A	1	-0.4065	0.3120	-1.0180	0.2050	1.70	0.1926
M_bin	1	0.1326	0.2990	-0.4535	0.7187	0.20	0.6575
C	1	-0.2741	0.1557	-0.5793	0.0312	3.10	0.0784
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	52
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	52
2	0	948

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-203.5585	
Full Log Likelihood		-203.5585	
AIC (smaller is better)		415.1171	
AICC (smaller is better)		415.1573	
BIC (smaller is better)		434.7481	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06933	-0.03184	-0.03811	-0.01351
Prm2	-0.03184	0.07330	-0.002414	-0.000741
Prm3	-0.03811	-0.002414	0.07634	-0.004861
Prm4	-0.01351	-0.000741	-0.004861	0.01586

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1992	0.2633	-3.7152	-2.6831	147.63	<.0001
A	1	0.1702	0.2707	-0.3604	0.7009	0.40	0.5295
M_bin	1	0.2887	0.2763	-0.2529	0.8302	1.09	0.2961
C	1	0.0116	0.1259	-0.2352	0.2584	0.01	0.9266
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-167.3234	
Full Log Likelihood		-167.3234	
AIC (smaller is better)		342.6469	
AICC (smaller is better)		342.6871	
BIC (smaller is better)		362.2779	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.11488	-0.03550	-0.08143	-0.01720
Prm2	-0.03550	0.09780	-0.001958	-0.001023
Prm3	-0.08143	-0.001958	0.12350	-0.008722
Prm4	-0.01720	-0.001023	-0.008722	0.02330

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6306	0.3389	-4.2949	-2.9663	114.74	<.0001
A	1	-0.1565	0.3127	-0.7694	0.4564	0.25	0.6168
M_bin	1	0.9007	0.3514	0.2119	1.5894	6.57	0.0104
C	1	-0.0706	0.1526	-0.3698	0.2286	0.21	0.6438
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-163.0666	
Full Log Likelihood		-163.0666	
AIC (smaller is better)		334.1333	
AICC (smaller is better)		334.1735	
BIC (smaller is better)		353.7643	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09288	-0.05584	-0.03484	-0.02176
Prm2	-0.05584	0.10040	-0.005153	0.0009404
Prm3	-0.03484	-0.005153	0.10196	-0.006439
Prm4	-0.02176	0.0009404	-0.006439	0.02433

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3400	0.3048	-3.9373	-2.7426	120.10	<.0001
A	1	0.5020	0.3169	-0.1190	1.1230	2.51	0.1131
M_bin	1	-0.3080	0.3193	-0.9338	0.3179	0.93	0.3348
C	1	-0.0118	0.1560	-0.3175	0.2939	0.01	0.9398
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-182.0936	
Full Log Likelihood		-182.0936	
AIC (smaller is better)		372.1873	
AICC (smaller is better)		372.2275	
BIC (smaller is better)		391.8183	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08044	-0.03252	-0.05071	-0.01453
Prm2	-0.03252	0.08720	-0.004459	-0.001420
Prm3	-0.05071	-0.004459	0.09237	-0.005625
Prm4	-0.01453	-0.001420	-0.005625	0.01964

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2310	0.2836	-3.7869	-2.6752	129.79	<.0001
A	1	-0.1621	0.2953	-0.7409	0.4166	0.30	0.5830
M_bin	1	0.4767	0.3039	-0.1190	1.0723	2.46	0.1168
C	1	-0.0713	0.1401	-0.3459	0.2034	0.26	0.6110
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-190.4885	
Full Log Likelihood		-190.4885	
AIC (smaller is better)		388.9770	
AICC (smaller is better)		389.0172	
BIC (smaller is better)		408.6080	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09383	-0.03551	-0.04808	-0.02127
Prm2	-0.03551	0.07946	-0.005576	0.0007806
Prm3	-0.04808	-0.005576	0.08913	-0.006064
Prm4	-0.02127	0.0007806	-0.006064	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	-3.5058	0.3063	-4.1062	-2.9054	130.98	<.0001
A	1	0.0996	0.2819	-0.4529	0.6520	0.12	0.7240
M_bin	1	0.4687	0.2986	-0.1165	1.0538	2.46	0.1165
C	1	0.1338	0.1435	-0.1474	0.4150	0.87	0.3510
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-187.1753	
Full Log Likelihood		-187.1753	
AIC (smaller is better)		382.3506	
AICC (smaller is better)		382.3908	
BIC (smaller is better)		401.9816	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08194	-0.04162	-0.02966	-0.02182
Prm2	-0.04162	0.08094	-0.003431	0.001174
Prm3	-0.02966	-0.003431	0.08292	-0.005813
Prm4	-0.02182	0.001174	-0.005813	0.01968

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2859	0.2862	-3.8470	-2.7249	131.78	<.0001
A	1	0.4347	0.2845	-0.1229	0.9923	2.33	0.1265
M_bin	1	-0.3522	0.2880	-0.9166	0.2122	1.50	0.2212
C	1	0.1823	0.1403	-0.0926	0.4573	1.69	0.1937
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-184.6528	
Full Log Likelihood		-184.6528	
AIC (smaller is better)		377.3057	
AICC (smaller is better)		377.3459	
BIC (smaller is better)		396.9367	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06966	-0.03197	-0.04347	-0.01221
Prm2	-0.03197	0.08488	-0.008948	0.0002758
Prm3	-0.04347	-0.008948	0.08852	-0.006598
Prm4	-0.01221	0.0002758	-0.006598	0.02096

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2181	0.2639	-3.7354	-2.7008	148.67	<.0001
A	1	0.0906	0.2913	-0.4804	0.6616	0.10	0.7558
M_bin	1	0.4733	0.2975	-0.1099	1.0564	2.53	0.1117
C	1	-0.1799	0.1448	-0.4636	0.1039	1.54	0.2141
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-162.7432	
Full Log Likelihood		-162.7432	
AIC (smaller is better)		333.4865	
AICC (smaller is better)		333.5267	
BIC (smaller is better)		353.1175	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.11998	-0.04077	-0.07242	-0.02397
Prm2	-0.04077	0.10050	-0.008241	0.002332
Prm3	-0.07242	-0.008241	0.11832	-0.005765
Prm4	-0.02397	0.002332	-0.005765	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	-3.7039	0.3464	-4.3828	-3.0250	114.35	<.0001
A	1	0.0309	0.3170	-0.5904	0.6522	0.01	0.9224
M_bin	1	0.6371	0.3440	-0.0371	1.3112	3.43	0.0640
C	1	0.0486	0.1544	-0.2540	0.3512	0.10	0.7531
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	50
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	50
2	0	950

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-197.9200	
Full Log Likelihood		-197.9200	
AIC (smaller is better)		403.8401	
AICC (smaller is better)		403.8803	
BIC (smaller is better)		423.4711	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07631	-0.03796	-0.03374	-0.01880
Prm2	-0.03796	0.07653	-0.003889	0.002616
Prm3	-0.03374	-0.003889	0.07706	-0.003911
Prm4	-0.01880	0.002616	-0.003911	0.01716

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1878	0.2762	-3.7292	-2.6464	133.18	<.0001
A	1	0.2667	0.2766	-0.2755	0.8089	0.93	0.3350
M_bin	1	-0.0222	0.2776	-0.5663	0.5219	0.01	0.9362
C	1	0.0765	0.1310	-0.1802	0.3332	0.34	0.5593
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-160.7093	
Full Log Likelihood		-160.7093	
AIC (smaller is better)		329.4186	
AICC (smaller is better)		329.4589	
BIC (smaller is better)		349.0497	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10244	-0.05055	-0.04672	-0.02177
Prm2	-0.05055	0.10174	-0.005455	-0.000265
Prm3	-0.04672	-0.005455	0.10515	-0.007714
Prm4	-0.02177	-0.000265	-0.007714	0.02327

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5896	0.3201	-4.2169	-2.9623	125.79	<.0001
A	1	0.3092	0.3190	-0.3160	0.9344	0.94	0.3324
M_bin	1	0.1216	0.3243	-0.5140	0.7572	0.14	0.7077
C	1	0.0985	0.1526	-0.2005	0.3975	0.42	0.5183
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	58
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	58
2	0	942

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-220.8843	
Full Log Likelihood		-220.8843	
AIC (smaller is better)		449.7686	
AICC (smaller is better)		449.8088	
BIC (smaller is better)		469.3996	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06173	-0.02786	-0.03146	-0.01382
Prm2	-0.02786	0.06574	-0.006386	0.0008747
Prm3	-0.03146	-0.006386	0.07044	-0.007038
Prm4	-0.01382	0.0008747	-0.007038	0.01743

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9990	0.2485	-3.4860	-2.5121	145.70	<.0001
A	1	0.1183	0.2564	-0.3843	0.6208	0.21	0.6446
M_bin	1	0.2341	0.2654	-0.2861	0.7543	0.78	0.3778
C	1	-0.0315	0.1320	-0.2903	0.2273	0.06	0.8116
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-190.4387	
Full Log Likelihood		-190.4387	
AIC (smaller is better)		388.8775	
AICC (smaller is better)		388.9177	
BIC (smaller is better)		408.5085	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07780	-0.04626	-0.03476	-0.01543
Prm2	-0.04626	0.08096	-0.003910	0.002503
Prm3	-0.03476	-0.003910	0.08106	-0.005961
Prm4	-0.01543	0.002503	-0.005961	0.01939

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1917	0.2789	-3.7383	-2.6450	130.94	<.0001
A	1	0.5129	0.2845	-0.0448	1.0706	3.25	0.0714
M_bin	1	0.0357	0.2847	-0.5223	0.5937	0.02	0.9003
C	1	-0.1231	0.1392	-0.3960	0.1499	0.78	0.3768
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	53
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	53
2	0	947

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-206.7574	
Full Log Likelihood		-206.7574	
AIC (smaller is better)		421.5149	
AICC (smaller is better)		421.5551	
BIC (smaller is better)		441.1459	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07088	-0.03471	-0.03206	-0.01740
Prm2	-0.03471	0.07174	-0.004292	0.001437
Prm3	-0.03206	-0.004292	0.07284	-0.004093
Prm4	-0.01740	0.001437	-0.004093	0.01736

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1367	0.2662	-3.6585	-2.6148	138.80	<.0001
A	1	0.2191	0.2678	-0.3059	0.7441	0.67	0.4133
M_bin	1	0.1209	0.2699	-0.4081	0.6499	0.20	0.6542
C	1	0.0339	0.1317	-0.2243	0.2921	0.07	0.7970
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-212.3407	
Full Log Likelihood		-212.3407	
AIC (smaller is better)		432.6814	
AICC (smaller is better)		432.7216	
BIC (smaller is better)		452.3125	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.05634	-0.03113	-0.02786	-0.01220
Prm2	-0.03113	0.06897	-0.003371	-1.598E-6
Prm3	-0.02786	-0.003371	0.07082	-0.005829
Prm4	-0.01220	-1.598E-6	-0.005829	0.01706

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.8275	0.2374	-3.2927	-2.3623	141.91	<.0001
A	1	0.1762	0.2626	-0.3386	0.6909	0.45	0.5023
M_bin	1	-0.1255	0.2661	-0.6471	0.3961	0.22	0.6372
C	1	-0.0940	0.1306	-0.3499	0.1620	0.52	0.4718
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-192.4594	
Full Log Likelihood		-192.4594	
AIC (smaller is better)		392.9187	
AICC (smaller is better)		392.9589	
BIC (smaller is better)		412.5497	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06487	-0.03096	-0.02982	-0.01763
Prm2	-0.03096	0.08293	-0.01034	0.001355
Prm3	-0.02982	-0.01034	0.08195	-0.004936
Prm4	-0.01763	0.001355	-0.004936	0.01911

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9972	0.2547	-3.4964	-2.4980	138.47	<.0001
A	1	-0.0170	0.2880	-0.5814	0.5474	0.00	0.9529
M_bin	1	-0.1293	0.2863	-0.6904	0.4317	0.20	0.6514
C	1	0.0317	0.1382	-0.2392	0.3026	0.05	0.8187
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-194.4427	
Full Log Likelihood		-194.4427	
AIC (smaller is better)		396.8855	
AICC (smaller is better)		396.9257	
BIC (smaller is better)		416.5165	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08324	-0.03629	-0.03782	-0.02151
Prm2	-0.03629	0.07979	-0.004256	0.003570
Prm3	-0.03782	-0.004256	0.08101	-0.005595
Prm4	-0.02151	0.003570	-0.005595	0.01881

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3599	0.2885	-3.9254	-2.7944	135.62	<.0001
A	1	0.1522	0.2825	-0.4014	0.7058	0.29	0.5900
M_bin	1	0.2054	0.2846	-0.3525	0.7632	0.52	0.4706
C	1	0.1495	0.1371	-0.1193	0.4183	1.19	0.2756
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-184.0875	
Full Log Likelihood		-184.0875	
AIC (smaller is better)		376.1750	
AICC (smaller is better)		376.2152	
BIC (smaller is better)		395.8061	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08054	-0.03305	-0.04987	-0.01579
Prm2	-0.03305	0.08463	-0.007456	0.001235
Prm3	-0.04987	-0.007456	0.09121	-0.005618
Prm4	-0.01579	0.001235	-0.005618	0.02149

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1641	0.2838	-3.7204	-2.6079	124.31	<.0001
A	1	-0.1243	0.2909	-0.6945	0.4459	0.18	0.6691
M_bin	1	0.5720	0.3020	-0.0199	1.1640	3.59	0.0582
C	1	-0.1925	0.1466	-0.4798	0.0949	1.72	0.1892
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-189.0653	
Full Log Likelihood		-189.0653	
AIC (smaller is better)		386.1307	
AICC (smaller is better)		386.1709	
BIC (smaller is better)		405.7617	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07694	-0.04066	-0.03420	-0.01846
Prm2	-0.04066	0.08115	-0.001519	0.001320
Prm3	-0.03420	-0.001519	0.08232	-0.004798
Prm4	-0.01846	0.001320	-0.004798	0.01863

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1001	0.2774	-3.6438	-2.5565	124.91	<.0001
A	1	0.2573	0.2849	-0.3010	0.8156	0.82	0.3664
M_bin	1	-0.1371	0.2869	-0.6994	0.4253	0.23	0.6329
C	1	-0.0053	0.1365	-0.2728	0.2622	0.00	0.9689
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	50
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	50
2	0	950

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-196.8369	
Full Log Likelihood		-196.8369	
AIC (smaller is better)		401.6738	
AICC (smaller is better)		401.7141	
BIC (smaller is better)		421.3049	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06369	-0.02418	-0.03834	-0.01521
Prm2	-0.02418	0.08547	-0.005647	-0.001330
Prm3	-0.03834	-0.005647	0.07828	-0.003981
Prm4	-0.01521	-0.001330	-0.003981	0.01814

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9711	0.2524	-3.4657	-2.4764	138.60	<.0001
A	1	-0.4007	0.2923	-0.9736	0.1723	1.88	0.1705
M_bin	1	0.3471	0.2798	-0.2012	0.8955	1.54	0.2147
C	1	-0.0515	0.1347	-0.3155	0.2125	0.15	0.7021
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-188.1959	
Full Log Likelihood		-188.1959	
AIC (smaller is better)		384.3918	
AICC (smaller is better)		384.4320	
BIC (smaller is better)		404.0228	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07899	-0.03135	-0.04157	-0.01977
Prm2	-0.03135	0.09062	-0.001025	0.001175
Prm3	-0.04157	-0.001025	0.08464	-0.005704
Prm4	-0.01977	0.001175	-0.005704	0.01851

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1685	0.2811	-3.7194	-2.6177	127.10	<.0001
A	1	-0.3447	0.3010	-0.9347	0.2453	1.31	0.2522
M_bin	1	0.2373	0.2909	-0.3329	0.8075	0.67	0.4146
C	1	0.0986	0.1361	-0.1681	0.3653	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.DATA133
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-186.0300	
Full Log Likelihood		-186.0300	
AIC (smaller is better)		380.0599	
AICC (smaller is better)		380.1001	
BIC (smaller is better)		399.6909	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07003	-0.03765	-0.02686	-0.02043
Prm2	-0.03765	0.08383	-0.005465	0.001426
Prm3	-0.02686	-0.005465	0.08786	-0.006471
Prm4	-0.02043	0.001426	-0.006471	0.02177

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0281	0.2646	-3.5468	-2.5094	130.94	<.0001
A	1	0.1637	0.2895	-0.4038	0.7312	0.32	0.5719
M_bin	1	-0.2590	0.2964	-0.8399	0.3220	0.76	0.3823
C	1	-0.0075	0.1476	-0.2967	0.2818	0.00	0.9597
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-184.9703	
Full Log Likelihood		-184.9703	
AIC (smaller is better)		377.9406	
AICC (smaller is better)		377.9808	
BIC (smaller is better)		397.5717	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08014	-0.04375	-0.03692	-0.01841
Prm2	-0.04375	0.08342	-0.004819	0.002461
Prm3	-0.03692	-0.004819	0.08419	-0.004899
Prm4	-0.01841	0.002461	-0.004899	0.02119

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1887	0.2831	-3.7436	-2.6339	126.88	<.0001
A	1	0.4247	0.2888	-0.1414	0.9908	2.16	0.1414
M_bin	1	0.0809	0.2902	-0.4878	0.6496	0.08	0.7803
C	1	-0.1296	0.1456	-0.4149	0.1558	0.79	0.3735
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-179.7304	
Full Log Likelihood		-179.7304	
AIC (smaller is better)		367.4607	
AICC (smaller is better)		367.5009	
BIC (smaller is better)		387.0918	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07815	-0.03402	-0.03788	-0.02076
Prm2	-0.03402	0.09438	-0.003718	0.001812
Prm3	-0.03788	-0.003718	0.09181	-0.009690
Prm4	-0.02076	0.001812	-0.009690	0.02244

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0997	0.2796	-3.6477	-2.5518	122.94	<.0001
A	1	-0.3262	0.3072	-0.9283	0.2760	1.13	0.2884
M_bin	1	0.0809	0.3030	-0.5130	0.6748	0.07	0.7896
C	1	0.0588	0.1498	-0.2348	0.3525	0.15	0.6945
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-140.4019	
Full Log Likelihood		-140.4019	
AIC (smaller is better)		288.8039	
AICC (smaller is better)		288.8441	
BIC (smaller is better)		308.4349	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10015	-0.04070	-0.05218	-0.02681
Prm2	-0.04070	0.14193	-0.008508	0.001261
Prm3	-0.05218	-0.008508	0.12585	-0.01106
Prm4	-0.02681	0.001261	-0.01106	0.02926

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3809	0.3165	-4.0011	-2.7606	114.13	<.0001
A	1	-0.5377	0.3767	-1.2760	0.2007	2.04	0.1535
M_bin	1	0.1604	0.3548	-0.5349	0.8557	0.20	0.6512
C	1	0.0533	0.1711	-0.2820	0.3886	0.10	0.7553
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-181.3719	
Full Log Likelihood		-181.3719	
AIC (smaller is better)		370.7439	
AICC (smaller is better)		370.7841	
BIC (smaller is better)		390.3749	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07368	-0.02867	-0.03707	-0.02050
Prm2	-0.02867	0.09634	-0.005679	0.0001525
Prm3	-0.03707	-0.005679	0.08742	-0.006792
Prm4	-0.02050	0.0001525	-0.006792	0.02112

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9617	0.2714	-3.4937	-2.4297	119.06	<.0001
A	1	-0.6061	0.3104	-1.2144	0.0023	3.81	0.0509
M_bin	1	0.0475	0.2957	-0.5320	0.6270	0.03	0.8724
C	1	0.0730	0.1453	-0.2118	0.3578	0.25	0.6153
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-157.3380	
Full Log Likelihood		-157.3380	
AIC (smaller is better)		322.6760	
AICC (smaller is better)		322.7162	
BIC (smaller is better)		342.3070	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08284	-0.04639	-0.04492	-0.01554
Prm2	-0.04639	0.10494	-0.006407	0.001555
Prm3	-0.04492	-0.006407	0.10782	-0.009299
Prm4	-0.01554	0.001555	-0.009299	0.02452

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2166	0.2878	-3.7807	-2.6524	124.89	<.0001
A	1	0.2021	0.3239	-0.4328	0.8370	0.39	0.5327
M_bin	1	0.0072	0.3284	-0.6364	0.6508	0.00	0.9825
C	1	-0.1884	0.1566	-0.4953	0.1186	1.45	0.2290
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-182.1371	
Full Log Likelihood		-182.1371	
AIC (smaller is better)		372.2741	
AICC (smaller is better)		372.3143	
BIC (smaller is better)		391.9051	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07978	-0.03106	-0.04866	-0.01935
Prm2	-0.03106	0.09294	-0.004183	0.0008871
Prm3	-0.04866	-0.004183	0.08935	-0.004043
Prm4	-0.01935	0.0008871	-0.004043	0.02272

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0800	0.2824	-3.6336	-2.5264	118.92	<.0001
A	1	-0.3112	0.3049	-0.9087	0.2863	1.04	0.3074
M_bin	1	0.3636	0.2989	-0.2223	0.9494	1.48	0.2239
C	1	-0.1045	0.1507	-0.4000	0.1909	0.48	0.4881
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-187.4159	
Full Log Likelihood		-187.4159	
AIC (smaller is better)		382.8319	
AICC (smaller is better)		382.8721	
BIC (smaller is better)		402.4629	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08495	-0.04439	-0.03631	-0.01693
Prm2	-0.04439	0.08336	-0.005489	-0.000897
Prm3	-0.03631	-0.005489	0.08449	-0.006694
Prm4	-0.01693	-0.000897	-0.006694	0.01906

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4880	0.2915	-4.0592	-2.9168	143.22	<.0001
A	1	0.5176	0.2887	-0.0483	1.0835	3.21	0.0730
M_bin	1	0.1044	0.2907	-0.4653	0.6741	0.13	0.7195
C	1	0.1081	0.1381	-0.1625	0.3787	0.61	0.4338
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	50
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	50
2	0	950

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-198.3773	
Full Log Likelihood		-198.3773	
AIC (smaller is better)		404.7546	
AICC (smaller is better)		404.7948	
BIC (smaller is better)		424.3856	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06157	-0.03226	-0.02906	-0.01554
Prm2	-0.03226	0.07824	-0.003713	0.001278
Prm3	-0.02906	-0.003713	0.07916	-0.007431
Prm4	-0.01554	0.001278	-0.007431	0.01903

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9019	0.2481	-3.3882	-2.4155	136.76	<.0001
A	1	-0.0684	0.2797	-0.6167	0.4798	0.06	0.8067
M_bin	1	-0.1241	0.2813	-0.6755	0.4274	0.19	0.6592
C	1	-0.0030	0.1379	-0.2734	0.2674	0.00	0.9826
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	56
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	56
2	0	944

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-215.3100	
Full Log Likelihood		-215.3100	
AIC (smaller is better)		438.6201	
AICC (smaller is better)		438.6603	
BIC (smaller is better)		458.2511	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06464	-0.02709	-0.03379	-0.01612
Prm2	-0.02709	0.07083	-0.003202	0.001054
Prm3	-0.03379	-0.003202	0.07051	-0.004997
Prm4	-0.01612	0.001054	-0.004997	0.01688

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9993	0.2543	-3.4976	-2.5009	139.15	<.0001
A	1	-0.0616	0.2661	-0.5832	0.4601	0.05	0.8171
M_bin	1	0.2576	0.2655	-0.2629	0.7780	0.94	0.3320
C	1	0.0022	0.1299	-0.2525	0.2568	0.00	0.9867
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-186.2292	
Full Log Likelihood		-186.2292	
AIC (smaller is better)		380.4583	
AICC (smaller is better)		380.4985	
BIC (smaller is better)		400.0893	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07317	-0.03688	-0.03100	-0.01910
Prm2	-0.03688	0.08460	-0.009288	0.002543
Prm3	-0.03100	-0.009288	0.08648	-0.007545
Prm4	-0.01910	0.002543	-0.007545	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	-3.1545	0.2705	-3.6847	-2.6243	136.00	<.0001
A	1	0.2295	0.2909	-0.3406	0.7996	0.62	0.4301
M_bin	1	-0.0903	0.2941	-0.6666	0.4861	0.09	0.7589
C	1	0.0216	0.1438	-0.2603	0.3036	0.02	0.8804
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	52
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	52
2	0	948

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-202.6621	
Full Log Likelihood		-202.6621	
AIC (smaller is better)		413.3242	
AICC (smaller is better)		413.3644	
BIC (smaller is better)		432.9553	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06930	-0.03421	-0.04205	-0.01183
Prm2	-0.03421	0.07282	-0.002350	0.0005093
Prm3	-0.04205	-0.002350	0.07637	-0.003297
Prm4	-0.01183	0.0005093	-0.003297	0.01711

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0433	0.2633	-3.5593	-2.5273	133.64	<.0001
A	1	0.1830	0.2698	-0.3459	0.7118	0.46	0.4978
M_bin	1	0.2950	0.2764	-0.2467	0.8366	1.14	0.2858
C	1	-0.1819	0.1308	-0.4383	0.0745	1.93	0.1645
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	53
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	53
2	0	947

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-201.5331	
Full Log Likelihood		-201.5331	
AIC (smaller is better)		411.0662	
AICC (smaller is better)		411.1064	
BIC (smaller is better)		430.6972	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08633	-0.02506	-0.05949	-0.01560
Prm2	-0.02506	0.08194	-0.000058	-0.000568
Prm3	-0.05949	-0.000058	0.09044	-0.005448
Prm4	-0.01560	-0.000568	-0.005448	0.01748

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2819	0.2938	-3.8578	-2.7060	124.76	<.0001
A	1	-0.4963	0.2863	-1.0573	0.0648	3.01	0.0830
M_bin	1	0.8107	0.3007	0.2212	1.4001	7.27	0.0070
C	1	0.0218	0.1322	-0.2373	0.2810	0.03	0.8688
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-144.5031	
Full Log Likelihood		-144.5031	
AIC (smaller is better)		297.0062	
AICC (smaller is better)		297.0464	
BIC (smaller is better)		316.6372	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.12087	-0.05769	-0.05531	-0.02971
Prm2	-0.05769	0.11721	-0.001250	0.001112
Prm3	-0.05531	-0.001250	0.12084	-0.009092
Prm4	-0.02971	0.001112	-0.009092	0.03053

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6723	0.3477	-4.3537	-2.9909	111.57	<.0001
A	1	0.2951	0.3424	-0.3759	0.9661	0.74	0.3887
M_bin	1	0.1498	0.3476	-0.5315	0.8311	0.19	0.6665
C	1	0.0460	0.1747	-0.2964	0.3885	0.07	0.7922
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-208.3205	
Full Log Likelihood		-208.3205	
AIC (smaller is better)		424.6409	
AICC (smaller is better)		424.6811	
BIC (smaller is better)		444.2719	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07060	-0.02517	-0.03341	-0.01959
Prm2	-0.02517	0.07403	-0.005570	-0.000271
Prm3	-0.03341	-0.005570	0.07204	-0.003750
Prm4	-0.01959	-0.000271	-0.003750	0.01726

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1930	0.2657	-3.7138	-2.6722	144.40	<.0001
A	1	-0.1777	0.2721	-0.7110	0.3556	0.43	0.5137
M_bin	1	0.2378	0.2684	-0.2883	0.7639	0.78	0.3757
C	1	0.1944	0.1314	-0.0632	0.4519	2.19	0.1391
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-153.7117	
Full Log Likelihood		-153.7117	
AIC (smaller is better)		315.4234	
AICC (smaller is better)		315.4636	
BIC (smaller is better)		335.0544	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.12288	-0.04511	-0.04715	-0.03266
Prm2	-0.04511	0.10385	-0.005254	0.0001123
Prm3	-0.04715	-0.005254	0.10796	-0.007985
Prm4	-0.03266	0.0001123	-0.007985	0.02458

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.0096	0.3505	-4.6966	-3.3225	130.84	<.0001
A	1	0.1765	0.3223	-0.4552	0.8081	0.30	0.5840
M_bin	1	0.1514	0.3286	-0.4926	0.7953	0.21	0.6450
C	1	0.4464	0.1568	0.1392	0.7537	8.11	0.0044
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-134.4630	
Full Log Likelihood		-134.4630	
AIC (smaller is better)		276.9260	
AICC (smaller is better)		276.9662	
BIC (smaller is better)		296.5570	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09075	-0.04231	-0.04395	-0.02493
Prm2	-0.04231	0.14129	-0.01232	-0.004181
Prm3	-0.04395	-0.01232	0.13680	-0.01103
Prm4	-0.02493	-0.004181	-0.01103	0.03245

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3203	0.3012	-3.9107	-2.7299	121.49	<.0001
A	1	-0.1272	0.3759	-0.8639	0.6096	0.11	0.7351
M_bin	1	-0.1765	0.3699	-0.9014	0.5484	0.23	0.6333
C	1	-0.0561	0.1801	-0.4092	0.2970	0.10	0.7554
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	50
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	50
2	0	950

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-197.7374	
Full Log Likelihood		-197.7374	
AIC (smaller is better)		403.4749	
AICC (smaller is better)		403.5151	
BIC (smaller is better)		423.1059	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06942	-0.03000	-0.03476	-0.01765
Prm2	-0.03000	0.08094	-0.002974	0.0009826
Prm3	-0.03476	-0.002974	0.07833	-0.005698
Prm4	-0.01765	0.0009826	-0.005698	0.01769

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0294	0.2635	-3.5458	-2.5130	132.19	<.0001
A	1	-0.2748	0.2845	-0.8324	0.2828	0.93	0.3341
M_bin	1	0.1131	0.2799	-0.4354	0.6617	0.16	0.6860
C	1	0.0801	0.1330	-0.1806	0.3408	0.36	0.5470
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-211.4102	
Full Log Likelihood		-211.4102	
AIC (smaller is better)		430.8204	
AICC (smaller is better)		430.8606	
BIC (smaller is better)		450.4514	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07391	-0.03555	-0.03167	-0.01898
Prm2	-0.03555	0.06947	0.001040	0.002597
Prm3	-0.03167	0.001040	0.07011	-0.004673
Prm4	-0.01898	0.002597	-0.004673	0.01615

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2332	0.2719	-3.7661	-2.7004	141.44	<.0001
A	1	0.1907	0.2636	-0.3259	0.7073	0.52	0.4693
M_bin	1	0.0279	0.2648	-0.4911	0.5469	0.01	0.9161
C	1	0.2082	0.1271	-0.0409	0.4572	2.68	0.1014
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-199.6911	
Full Log Likelihood		-199.6911	
AIC (smaller is better)		407.3822	
AICC (smaller is better)		407.4224	
BIC (smaller is better)		427.0132	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07592	-0.03840	-0.03265	-0.01743
Prm2	-0.03840	0.07463	-0.002592	-0.000250
Prm3	-0.03265	-0.002592	0.07506	-0.003636
Prm4	-0.01743	-0.000250	-0.003636	0.01680

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2680	0.2755	-3.8080	-2.7279	140.67	<.0001
A	1	0.4823	0.2732	-0.0531	1.0178	3.12	0.0775
M_bin	1	-0.0479	0.2740	-0.5848	0.4891	0.03	0.8613
C	1	0.0815	0.1296	-0.1725	0.3355	0.40	0.5296
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	50
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	50
2	0	950

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-197.7887	
Full Log Likelihood		-197.7887	
AIC (smaller is better)		403.5773	
AICC (smaller is better)		403.6175	
BIC (smaller is better)		423.2084	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.05948	-0.02933	-0.03434	-0.01334
Prm2	-0.02933	0.08266	-0.000651	0.0001878
Prm3	-0.03434	-0.000651	0.07864	-0.006973
Prm4	-0.01334	0.0001878	-0.006973	0.01852

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.8328	0.2439	-3.3108	-2.3547	134.90	<.0001
A	1	-0.2584	0.2875	-0.8219	0.3051	0.81	0.3688
M_bin	1	0.0807	0.2804	-0.4689	0.6303	0.08	0.7735
C	1	-0.1069	0.1361	-0.3736	0.1599	0.62	0.4323
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-176.7092	
Full Log Likelihood		-176.7092	
AIC (smaller is better)		361.4184	
AICC (smaller is better)		361.4586	
BIC (smaller is better)		381.0495	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09562	-0.04420	-0.04322	-0.02339
Prm2	-0.04420	0.08920	-0.003394	0.001965
Prm3	-0.04322	-0.003394	0.09160	-0.005382
Prm4	-0.02339	0.001965	-0.005382	0.02161

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4159	0.3092	-4.0220	-2.8098	122.03	<.0001
A	1	0.2209	0.2987	-0.3645	0.8063	0.55	0.4595
M_bin	1	0.0568	0.3027	-0.5364	0.6500	0.04	0.8512
C	1	0.1232	0.1470	-0.1649	0.4113	0.70	0.4019
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-175.9264	
Full Log Likelihood		-175.9264	
AIC (smaller is better)		359.8527	
AICC (smaller is better)		359.8929	
BIC (smaller is better)		379.4838	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07455	-0.04430	-0.03537	-0.01540
Prm2	-0.04430	0.08897	-0.003293	-0.000156
Prm3	-0.03537	-0.003293	0.09106	-0.006091
Prm4	-0.01540	-0.000156	-0.006091	0.02156

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1838	0.2730	-3.7189	-2.6486	135.98	<.0001
A	1	0.4246	0.2983	-0.1600	1.0092	2.03	0.1546
M_bin	1	-0.0835	0.3018	-0.6749	0.5080	0.08	0.7821
C	1	-0.1277	0.1468	-0.4155	0.1601	0.76	0.3845
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-162.4899	
Full Log Likelihood		-162.4899	
AIC (smaller is better)		332.9798	
AICC (smaller is better)		333.0200	
BIC (smaller is better)		352.6109	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.12143	-0.05150	-0.05402	-0.02960
Prm2	-0.05150	0.09891	-0.006186	0.003424
Prm3	-0.05402	-0.006186	0.10627	-0.006989
Prm4	-0.02960	0.003424	-0.006989	0.02586

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8352	0.3485	-4.5182	-3.1523	121.13	<.0001
A	1	0.3199	0.3145	-0.2965	0.9363	1.03	0.3090
M_bin	1	0.4220	0.3260	-0.2169	1.0610	1.68	0.1955
C	1	0.1805	0.1608	-0.1347	0.4957	1.26	0.2617
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-182.8030	
Full Log Likelihood		-182.8030	
AIC (smaller is better)		373.6060	
AICC (smaller is better)		373.6462	
BIC (smaller is better)		393.2370	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06653	-0.03280	-0.03511	-0.01766
Prm2	-0.03280	0.09295	-0.001427	0.0007518
Prm3	-0.03511	-0.001427	0.08624	-0.004553
Prm4	-0.01766	0.0007518	-0.004553	0.01974

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9049	0.2579	-3.4105	-2.3994	126.85	<.0001
A	1	-0.3358	0.3049	-0.9333	0.2617	1.21	0.2707
M_bin	1	-0.1197	0.2937	-0.6953	0.4559	0.17	0.6836
C	1	-0.0057	0.1405	-0.2811	0.2697	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.DATA158
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-157.3519	
Full Log Likelihood		-157.3519	
AIC (smaller is better)		322.7039	
AICC (smaller is better)		322.7441	
BIC (smaller is better)		342.3349	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07921	-0.03916	-0.04796	-0.01722
Prm2	-0.03916	0.11070	-0.001969	-0.002089
Prm3	-0.04796	-0.001969	0.10594	-0.007169
Prm4	-0.01722	-0.002089	-0.007169	0.02712

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1416	0.2814	-3.6933	-2.5900	124.60	<.0001
A	1	-0.0168	0.3327	-0.6689	0.6354	0.00	0.9598
M_bin	1	0.1063	0.3255	-0.5316	0.7442	0.11	0.7440
C	1	-0.2215	0.1647	-0.5442	0.1013	1.81	0.1786
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-151.8619	
Full Log Likelihood		-151.8619	
AIC (smaller is better)		311.7239	
AICC (smaller is better)		311.7641	
BIC (smaller is better)		331.3549	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.12468	-0.05234	-0.07219	-0.02277
Prm2	-0.05234	0.10663	-0.004271	0.001676
Prm3	-0.07219	-0.004271	0.12405	-0.009026
Prm4	-0.02277	0.001676	-0.009026	0.02749

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8460	0.3531	-4.5381	-3.1540	118.64	<.0001
A	1	0.1444	0.3265	-0.4956	0.7844	0.20	0.6583
M_bin	1	0.8308	0.3522	0.1405	1.5211	5.56	0.0183
C	1	-0.0195	0.1658	-0.3444	0.3055	0.01	0.9065
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-182.2367	
Full Log Likelihood		-182.2367	
AIC (smaller is better)		372.4733	
AICC (smaller is better)		372.5135	
BIC (smaller is better)		392.1043	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09027	-0.03462	-0.04170	-0.02353
Prm2	-0.03462	0.08707	-0.005484	0.0009207
Prm3	-0.04170	-0.005484	0.09301	-0.009858
Prm4	-0.02353	0.0009207	-0.009858	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	-3.4221	0.3004	-4.0110	-2.8333	129.73	<.0001
A	1	0.0057	0.2951	-0.5727	0.5840	0.00	0.9846
M_bin	1	0.4107	0.3050	-0.1871	1.0084	1.81	0.1781
C	1	0.0804	0.1530	-0.2195	0.3803	0.28	0.5993
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	50
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	50
2	0	950

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-197.1299	
Full Log Likelihood		-197.1299	
AIC (smaller is better)		402.2598	
AICC (smaller is better)		402.3000	
BIC (smaller is better)		421.8909	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08186	-0.03286	-0.04115	-0.01999
Prm2	-0.03286	0.07817	-0.003728	0.001960
Prm3	-0.04115	-0.003728	0.08069	-0.004963
Prm4	-0.01999	0.001960	-0.004963	0.01824

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2897	0.2861	-3.8504	-2.7289	132.20	<.0001
A	1	-0.0865	0.2796	-0.6345	0.4615	0.10	0.7570
M_bin	1	0.2834	0.2841	-0.2734	0.8401	1.00	0.3185
C	1	0.1548	0.1351	-0.1099	0.4195	1.31	0.2517
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	56
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	56
2	0	944

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-214.2203	
Full Log Likelihood		-214.2203	
AIC (smaller is better)		436.4406	
AICC (smaller is better)		436.4808	
BIC (smaller is better)		456.0716	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06222	-0.03439	-0.02910	-0.01339
Prm2	-0.03439	0.06741	-0.001881	-0.000038
Prm3	-0.02910	-0.001881	0.06837	-0.004268
Prm4	-0.01339	-0.000038	-0.004268	0.01622

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0214	0.2494	-3.5103	-2.5325	146.72	<.0001
A	1	0.4441	0.2596	-0.0648	0.9530	2.93	0.0872
M_bin	1	0.0011	0.2615	-0.5114	0.5136	0.00	0.9968
C	1	-0.0671	0.1274	-0.3167	0.1825	0.28	0.5982
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-162.7586	
Full Log Likelihood		-162.7586	
AIC (smaller is better)		333.5172	
AICC (smaller is better)		333.5574	
BIC (smaller is better)		353.1482	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09162	-0.04998	-0.04986	-0.01475
Prm2	-0.04998	0.09927	-0.006443	-0.000289
Prm3	-0.04986	-0.006443	0.10152	-0.005199
Prm4	-0.01475	-0.000289	-0.005199	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	-3.3357	0.3027	-3.9289	-2.7424	121.45	<.0001
A	1	0.3625	0.3151	-0.2551	0.9800	1.32	0.2500
M_bin	1	0.2278	0.3186	-0.3967	0.8523	0.51	0.4747
C	1	-0.2271	0.1497	-0.5205	0.0664	2.30	0.1294
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	52
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	52
2	0	948

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-196.4901	
Full Log Likelihood		-196.4901	
AIC (smaller is better)		400.9801	
AICC (smaller is better)		401.0203	
BIC (smaller is better)		420.6112	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10992	-0.04058	-0.06120	-0.01973
Prm2	-0.04058	0.07312	-0.003074	0.001203
Prm3	-0.06120	-0.003074	0.09580	-0.006732
Prm4	-0.01973	0.001203	-0.006732	0.02006

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9014	0.3315	-4.5512	-3.2516	138.47	<.0001
A	1	0.5008	0.2704	-0.0292	1.0308	3.43	0.0640
M_bin	1	0.9371	0.3095	0.3304	1.5437	9.17	0.0025
C	1	0.1043	0.1416	-0.1732	0.3819	0.54	0.4612
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-166.2947	
Full Log Likelihood		-166.2947	
AIC (smaller is better)		340.5895	
AICC (smaller is better)		340.6297	
BIC (smaller is better)		360.2205	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.13756	-0.04049	-0.08834	-0.02469
Prm2	-0.04049	0.09370	-0.007614	0.002330
Prm3	-0.08834	-0.007614	0.13060	-0.006853
Prm4	-0.02469	0.002330	-0.006853	0.02532

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9042	0.3709	-4.6311	-3.1773	110.81	<.0001
A	1	0.1381	0.3061	-0.4619	0.7380	0.20	0.6520
M_bin	1	1.0105	0.3614	0.3022	1.7188	7.82	0.0052
C	1	-0.0045	0.1591	-0.3164	0.3074	0.00	0.9773
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-200.4234	
Full Log Likelihood		-200.4234	
AIC (smaller is better)		408.8468	
AICC (smaller is better)		408.8870	
BIC (smaller is better)		428.4778	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06932	-0.03808	-0.02835	-0.01735
Prm2	-0.03808	0.07504	-0.006153	0.002452
Prm3	-0.02835	-0.006153	0.07654	-0.005941
Prm4	-0.01735	0.002452	-0.005941	0.01907

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0846	0.2633	-3.6006	-2.5685	137.25	<.0001
A	1	0.3805	0.2739	-0.1564	0.9174	1.93	0.1648
M_bin	1	-0.1063	0.2767	-0.6485	0.4360	0.15	0.7009
C	1	-0.0142	0.1381	-0.2848	0.2564	0.01	0.9180
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-191.7328	
Full Log Likelihood		-191.7328	
AIC (smaller is better)		391.4656	
AICC (smaller is better)		391.5058	
BIC (smaller is better)		411.0966	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06893	-0.02900	-0.02911	-0.02040
Prm2	-0.02900	0.08743	-0.006630	0.001187
Prm3	-0.02911	-0.006630	0.08193	-0.006358
Prm4	-0.02040	0.001187	-0.006358	0.01879

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0760	0.2625	-3.5906	-2.5615	137.27	<.0001
A	1	-0.2363	0.2957	-0.8158	0.3432	0.64	0.4242
M_bin	1	-0.0555	0.2862	-0.6165	0.5055	0.04	0.8463
C	1	0.1368	0.1371	-0.1319	0.4055	1.00	0.3183
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-184.6480	
Full Log Likelihood		-184.6480	
AIC (smaller is better)		377.2960	
AICC (smaller is better)		377.3362	
BIC (smaller is better)		396.9271	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08551	-0.02910	-0.04805	-0.01892
Prm2	-0.02910	0.08777	-0.009074	0.0005760
Prm3	-0.04805	-0.009074	0.09183	-0.005609
Prm4	-0.01892	0.0005760	-0.005609	0.01833

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3884	0.2924	-3.9615	-2.8152	134.26	<.0001
A	1	-0.2016	0.2963	-0.7823	0.3790	0.46	0.4961
M_bin	1	0.4757	0.3030	-0.1182	1.0696	2.46	0.1165
C	1	0.1061	0.1354	-0.1592	0.3714	0.61	0.4333
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-182.9605	
Full Log Likelihood		-182.9605	
AIC (smaller is better)		373.9210	
AICC (smaller is better)		373.9612	
BIC (smaller is better)		393.5520	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06894	-0.02989	-0.04121	-0.01541
Prm2	-0.02989	0.09304	-0.004392	-0.000575
Prm3	-0.04121	-0.004392	0.08856	-0.007167
Prm4	-0.01541	-0.000575	-0.007167	0.02127

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0487	0.2626	-3.5633	-2.5341	134.83	<.0001
A	1	-0.2222	0.3050	-0.8201	0.3756	0.53	0.4663
M_bin	1	0.1965	0.2976	-0.3868	0.7798	0.44	0.5090
C	1	-0.0763	0.1458	-0.3622	0.2095	0.27	0.6007
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-184.3723	
Full Log Likelihood		-184.3723	
AIC (smaller is better)		376.7445	
AICC (smaller is better)		376.7847	
BIC (smaller is better)		396.3755	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08335	-0.03645	-0.03000	-0.02511
Prm2	-0.03645	0.08376	-0.009667	0.0003791
Prm3	-0.03000	-0.009667	0.08481	-0.003044
Prm4	-0.02511	0.0003791	-0.003044	0.02094

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3620	0.2887	-3.9279	-2.7962	135.61	<.0001
A	1	0.2989	0.2894	-0.2683	0.8662	1.07	0.3017
M_bin	1	-0.2712	0.2912	-0.8420	0.2996	0.87	0.3517
C	1	0.2486	0.1447	-0.0351	0.5322	2.95	0.0858
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-183.9287	
Full Log Likelihood		-183.9287	
AIC (smaller is better)		375.8575	
AICC (smaller is better)		375.8977	
BIC (smaller is better)		395.4885	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07093	-0.04497	-0.03284	-0.01424
Prm2	-0.04497	0.08338	-0.002376	0.0002505
Prm3	-0.03284	-0.002376	0.08474	-0.005785
Prm4	-0.01424	0.0002505	-0.005785	0.02235

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0934	0.2663	-3.6154	-2.5714	134.91	<.0001
A	1	0.5167	0.2888	-0.0492	1.0827	3.20	0.0735
M_bin	1	-0.1453	0.2911	-0.7159	0.4252	0.25	0.6176
C	1	-0.1918	0.1495	-0.4848	0.1011	1.65	0.1993
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-191.7184	
Full Log Likelihood		-191.7184	
AIC (smaller is better)		391.4367	
AICC (smaller is better)		391.4769	
BIC (smaller is better)		411.0677	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07743	-0.03496	-0.03124	-0.02353
Prm2	-0.03496	0.08176	-0.002930	0.001877
Prm3	-0.03124	-0.002930	0.08049	-0.003454
Prm4	-0.02353	0.001877	-0.003454	0.01983

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0982	0.2783	-3.6436	-2.5528	123.97	<.0001
A	1	-0.0412	0.2859	-0.6017	0.5192	0.02	0.8853
M_bin	1	-0.2138	0.2837	-0.7699	0.3422	0.57	0.4510
C	1	0.1593	0.1408	-0.1168	0.4353	1.28	0.2581
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-158.7956	
Full Log Likelihood		-158.7956	
AIC (smaller is better)		325.5912	
AICC (smaller is better)		325.6314	
BIC (smaller is better)		345.2223	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.11249	-0.04789	-0.03871	-0.03100
Prm2	-0.04789	0.10223	-0.004657	0.003053
Prm3	-0.03871	-0.004657	0.10522	-0.009963
Prm4	-0.03100	0.003053	-0.009963	0.02379

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.7265	0.3354	-4.3838	-3.0691	123.45	<.0001
A	1	0.1640	0.3197	-0.4626	0.7907	0.26	0.6079
M_bin	1	-0.1198	0.3244	-0.7555	0.5160	0.14	0.7120
C	1	0.3554	0.1542	0.0531	0.6577	5.31	0.0212
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-184.3942	
Full Log Likelihood		-184.3942	
AIC (smaller is better)		376.7885	
AICC (smaller is better)		376.8287	
BIC (smaller is better)		396.4195	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06123	-0.02846	-0.03896	-0.01165
Prm2	-0.02846	0.08964	-0.007088	-0.000608
Prm3	-0.03896	-0.007088	0.08620	-0.006966
Prm4	-0.01165	-0.000608	-0.006966	0.02034

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.8134	0.2474	-3.2984	-2.3284	129.28	<.0001
A	1	-0.3277	0.2994	-0.9145	0.2591	1.20	0.2736
M_bin	1	0.1737	0.2936	-0.4018	0.7491	0.35	0.5542
C	1	-0.2477	0.1426	-0.5272	0.0319	3.02	0.0825
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-212.1261	
Full Log Likelihood		-212.1261	
AIC (smaller is better)		432.2522	
AICC (smaller is better)		432.2924	
BIC (smaller is better)		451.8832	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07287	-0.03269	-0.03208	-0.01782
Prm2	-0.03269	0.06883	-0.002758	-0.000957
Prm3	-0.03208	-0.002758	0.07028	-0.004063
Prm4	-0.01782	-0.000957	-0.004063	0.01708

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1407	0.2699	-3.6698	-2.6116	135.36	<.0001
A	1	0.2877	0.2624	-0.2265	0.8019	1.20	0.2729
M_bin	1	0.0077	0.2651	-0.5119	0.5273	0.00	0.9769
C	1	0.0872	0.1307	-0.1689	0.3433	0.45	0.5046
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	58
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	58
2	0	942

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-218.2677	
Full Log Likelihood		-218.2677	
AIC (smaller is better)		444.5354	
AICC (smaller is better)		444.5756	
BIC (smaller is better)		464.1664	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06030	-0.02388	-0.03609	-0.01313
Prm2	-0.02388	0.06718	-0.006593	0.0001997
Prm3	-0.03609	-0.006593	0.06950	-0.003978
Prm4	-0.01313	0.0001997	-0.003978	0.01662

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9650	0.2456	-3.4462	-2.4837	145.79	<.0001
A	1	-0.1181	0.2592	-0.6261	0.3898	0.21	0.6485
M_bin	1	0.6029	0.2636	0.0862	1.1196	5.23	0.0222
C	1	-0.1553	0.1289	-0.4080	0.0973	1.45	0.2282
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-212.4075	
Full Log Likelihood		-212.4075	
AIC (smaller is better)		432.8150	
AICC (smaller is better)		432.8552	
BIC (smaller is better)		452.4461	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06888	-0.03180	-0.03222	-0.01703
Prm2	-0.03180	0.06965	-0.006920	0.002620
Prm3	-0.03222	-0.006920	0.07413	-0.007542
Prm4	-0.01703	0.002620	-0.007542	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	-3.0809	0.2625	-3.5953	-2.5665	137.79	<.0001
A	1	0.1609	0.2639	-0.3564	0.6781	0.37	0.5422
M_bin	1	0.2222	0.2723	-0.3114	0.7558	0.67	0.4144
C	1	-0.0144	0.1392	-0.2872	0.2584	0.01	0.9176
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-183.9310	
Full Log Likelihood		-183.9310	
AIC (smaller is better)		375.8619	
AICC (smaller is better)		375.9021	
BIC (smaller is better)		395.4930	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06540	-0.02800	-0.04339	-0.01130
Prm2	-0.02800	0.08943	-0.007202	-0.000744
Prm3	-0.04339	-0.007202	0.08917	-0.008318
Prm4	-0.01130	-0.000744	-0.008318	0.02090

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.9311	0.2557	-3.4323	-2.4299	131.37	<.0001
A	1	-0.2108	0.2990	-0.7969	0.3753	0.50	0.4809
M_bin	1	0.3670	0.2986	-0.2183	0.9522	1.51	0.2191
C	1	-0.2879	0.1446	-0.5713	-0.0046	3.97	0.0464
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-198.7770	
Full Log Likelihood		-198.7770	
AIC (smaller is better)		405.5540	
AICC (smaller is better)		405.5942	
BIC (smaller is better)		425.1850	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08819	-0.04211	-0.04411	-0.01732
Prm2	-0.04211	0.07504	-0.001550	0.001291
Prm3	-0.04411	-0.001550	0.08160	-0.006247
Prm4	-0.01732	0.001291	-0.006247	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	-3.4957	0.2970	-4.0777	-2.9137	138.57	<.0001
A	1	0.4940	0.2739	-0.0429	1.0309	3.25	0.0713
M_bin	1	0.3384	0.2857	-0.2215	0.8983	1.40	0.2362
C	1	0.0814	0.1392	-0.1914	0.3541	0.34	0.5588
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-160.9972	
Full Log Likelihood		-160.9972	
AIC (smaller is better)		329.9943	
AICC (smaller is better)		330.0345	
BIC (smaller is better)		349.6253	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09612	-0.04917	-0.04666	-0.02049
Prm2	-0.04917	0.10128	0.0001672	-0.001787
Prm3	-0.04666	0.0001672	0.10403	-0.007925
Prm4	-0.02049	-0.001787	-0.007925	0.02439

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4606	0.3100	-4.0682	-2.8529	124.59	<.0001
A	1	0.3071	0.3183	-0.3167	0.9308	0.93	0.3346
M_bin	1	0.1252	0.3225	-0.5069	0.7574	0.15	0.6978
C	1	-0.0147	0.1562	-0.3208	0.2914	0.01	0.9250
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-207.7543	
Full Log Likelihood		-207.7543	
AIC (smaller is better)		423.5086	
AICC (smaller is better)		423.5488	
BIC (smaller is better)		443.1397	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07585	-0.02858	-0.04035	-0.01768
Prm2	-0.02858	0.07202	-0.009785	0.002423
Prm3	-0.04035	-0.009785	0.07755	-0.004134
Prm4	-0.01768	0.002423	-0.004134	0.01701

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3273	0.2754	-3.8671	-2.7875	145.95	<.0001
A	1	0.0123	0.2684	-0.5137	0.5383	0.00	0.9634
M_bin	1	0.5217	0.2785	-0.0241	1.0675	3.51	0.0610
C	1	0.1034	0.1304	-0.1522	0.3590	0.63	0.4278
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-179.4666	
Full Log Likelihood		-179.4666	
AIC (smaller is better)		366.9332	
AICC (smaller is better)		366.9734	
BIC (smaller is better)		386.5643	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08642	-0.03671	-0.04900	-0.01812
Prm2	-0.03671	0.08864	-0.005240	0.001487
Prm3	-0.04900	-0.005240	0.09425	-0.006784
Prm4	-0.01812	0.001487	-0.006784	0.02116

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3244	0.2940	-3.9006	-2.7482	127.88	<.0001
A	1	0.1150	0.2977	-0.4686	0.6985	0.15	0.6994
M_bin	1	0.3941	0.3070	-0.2076	0.9958	1.65	0.1992
C	1	-0.0674	0.1455	-0.3525	0.2177	0.21	0.6429
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_noint

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	58
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	58
2	0	942

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-221.2938	
Full Log Likelihood		-221.2938	
AIC (smaller is better)		450.5876	
AICC (smaller is better)		450.6278	
BIC (smaller is better)		470.2186	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.05453	-0.02647	-0.02433	-0.01457
Prm2	-0.02647	0.06659	-0.008167	0.0006149
Prm3	-0.02433	-0.008167	0.06798	-0.006069
Prm4	-0.01457	0.0006149	-0.006069	0.01772

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.8298	0.2335	-3.2875	-2.3722	146.86	<.0001
A	1	0.1004	0.2581	-0.4054	0.6062	0.15	0.6972
M_bin	1	-0.0472	0.2607	-0.5582	0.4638	0.03	0.8562
C	1	-0.0374	0.1331	-0.2983	0.2235	0.08	0.7785
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-185.2777	
Full Log Likelihood		-185.2777	
AIC (smaller is better)		378.5553	
AICC (smaller is better)		378.5955	
BIC (smaller is better)		398.1863	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08300	-0.03003	-0.04632	-0.02036
Prm2	-0.03003	0.08750	-0.006691	0.0000634
Prm3	-0.04632	-0.006691	0.08900	-0.005208
Prm4	-0.02036	0.0000634	-0.005208	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	-3.2443	0.2881	-3.8089	-2.6796	126.80	<.0001
A	1	-0.1954	0.2958	-0.7752	0.3843	0.44	0.5088
M_bin	1	0.4413	0.2983	-0.1434	1.0261	2.19	0.1390
C	1	-0.0003	0.1469	-0.2882	0.2876	0.00	0.9983
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-178.0420	
Full Log Likelihood		-178.0420	
AIC (smaller is better)		364.0840	
AICC (smaller is better)		364.1242	
BIC (smaller is better)		383.7150	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10278	-0.04897	-0.05217	-0.01812
Prm2	-0.04897	0.08853	-0.003477	0.0003416
Prm3	-0.05217	-0.003477	0.09652	-0.007130
Prm4	-0.01812	0.0003416	-0.007130	0.02080

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6260	0.3206	-4.2543	-2.9976	127.92	<.0001
A	1	0.4888	0.2975	-0.0944	1.0719	2.70	0.1005
M_bin	1	0.4130	0.3107	-0.1959	1.0219	1.77	0.1837
C	1	0.0132	0.1442	-0.2695	0.2958	0.01	0.9271
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-164.9319	
Full Log Likelihood		-164.9319	
AIC (smaller is better)		337.8639	
AICC (smaller is better)		337.9041	
BIC (smaller is better)		357.4949	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10131	-0.04733	-0.02804	-0.03260
Prm2	-0.04733	0.09721	-0.005808	0.004196
Prm3	-0.02804	-0.005808	0.10196	-0.006959
Prm4	-0.03260	0.004196	-0.006959	0.02421

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4297	0.3183	-4.0535	-2.8058	116.11	<.0001
A	1	0.1475	0.3118	-0.4636	0.7586	0.22	0.6361
M_bin	1	-0.5339	0.3193	-1.1597	0.0919	2.80	0.0945
C	1	0.3143	0.1556	0.0093	0.6192	4.08	0.0434
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-187.0074	
Full Log Likelihood		-187.0074	
AIC (smaller is better)		382.0148	
AICC (smaller is better)		382.0550	
BIC (smaller is better)		401.6458	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07450	-0.02518	-0.04637	-0.01692
Prm2	-0.02518	0.09110	-0.007071	-0.000993
Prm3	-0.04637	-0.007071	0.08825	-0.006183
Prm4	-0.01692	-0.000993	-0.006183	0.02099

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1393	0.2730	-3.6743	-2.6043	132.28	<.0001
A	1	-0.4582	0.3018	-1.0498	0.1334	2.30	0.1290
M_bin	1	0.5237	0.2971	-0.0586	1.1059	3.11	0.0779
C	1	-0.0330	0.1449	-0.3170	0.2510	0.05	0.8197
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-151.3757	
Full Log Likelihood		-151.3757	
AIC (smaller is better)		310.7515	
AICC (smaller is better)		310.7917	
BIC (smaller is better)		330.3825	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09905	-0.04971	-0.06136	-0.01454
Prm2	-0.04971	0.10681	-0.007984	0.001300
Prm3	-0.06136	-0.007984	0.11522	-0.008340
Prm4	-0.01454	0.001300	-0.008340	0.02853

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4391	0.3147	-4.0559	-2.8223	119.41	<.0001
A	1	0.2603	0.3268	-0.3803	0.9008	0.63	0.4258
M_bin	1	0.5396	0.3394	-0.1257	1.2049	2.53	0.1119
C	1	-0.3642	0.1689	-0.6953	-0.0332	4.65	0.0311
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-175.1721	
Full Log Likelihood		-175.1721	
AIC (smaller is better)		358.3442	
AICC (smaller is better)		358.3844	
BIC (smaller is better)		377.9753	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09138	-0.03171	-0.05428	-0.02006
Prm2	-0.03171	0.09338	-0.006098	-0.000947
Prm3	-0.05428	-0.006098	0.09669	-0.004125
Prm4	-0.02006	-0.000947	-0.004125	0.02065

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3555	0.3023	-3.9480	-2.7631	123.22	<.0001
A	1	-0.3063	0.3056	-0.9052	0.2927	1.00	0.3163
M_bin	1	0.5735	0.3109	-0.0359	1.1830	3.40	0.0651
C	1	0.0168	0.1437	-0.2649	0.2984	0.01	0.9071
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-198.5272	
Full Log Likelihood		-198.5272	
AIC (smaller is better)		405.0545	
AICC (smaller is better)		405.0947	
BIC (smaller is better)		424.6855	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09313	-0.03092	-0.04154	-0.02705
Prm2	-0.03092	0.07600	-0.006504	0.001437
Prm3	-0.04154	-0.006504	0.07712	-0.000947
Prm4	-0.02705	0.001437	-0.000947	0.01989

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5031	0.3052	-4.1012	-2.9050	131.77	<.0001
A	1	0.0452	0.2757	-0.4951	0.5855	0.03	0.8697
M_bin	1	0.2511	0.2777	-0.2932	0.7954	0.82	0.3660
C	1	0.3092	0.1410	0.0328	0.5857	4.81	0.0284
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-161.0708	
Full Log Likelihood		-161.0708	
AIC (smaller is better)		330.1415	
AICC (smaller is better)		330.1817	
BIC (smaller is better)		349.7726	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08761	-0.03832	-0.04628	-0.02306
Prm2	-0.03832	0.10720	-0.01039	0.001745
Prm3	-0.04628	-0.01039	0.10308	-0.004027
Prm4	-0.02306	0.001745	-0.004027	0.02469

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1546	0.2960	-3.7347	-2.5744	113.58	<.0001
A	1	-0.2646	0.3274	-0.9063	0.3771	0.65	0.4190
M_bin	1	0.1336	0.3211	-0.4956	0.7629	0.17	0.6773
C	1	-0.0701	0.1571	-0.3781	0.2379	0.20	0.6555
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-195.0368	
Full Log Likelihood		-195.0368	
AIC (smaller is better)		398.0736	
AICC (smaller is better)		398.1138	
BIC (smaller is better)		417.7046	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.06133	-0.03373	-0.02910	-0.01457
Prm2	-0.03373	0.07844	-0.001810	-0.000740
Prm3	-0.02910	-0.001810	0.08071	-0.006423
Prm4	-0.01457	-0.000740	-0.006423	0.01875

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-2.8499	0.2476	-3.3353	-2.3645	132.43	<.0001
A	1	0.0306	0.2801	-0.5183	0.5795	0.01	0.9129
M_bin	1	-0.2016	0.2841	-0.7584	0.3553	0.50	0.4780
C	1	-0.0830	0.1369	-0.3514	0.1853	0.37	0.5442
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-150.9510	
Full Log Likelihood		-150.9510	
AIC (smaller is better)		309.9021	
AICC (smaller is better)		309.9423	
BIC (smaller is better)		329.5331	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10077	-0.05278	-0.05329	-0.02148
Prm2	-0.05278	0.11066	-0.006007	0.002418
Prm3	-0.05329	-0.006007	0.11249	-0.005817
Prm4	-0.02148	0.002418	-0.005817	0.02725

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3788	0.3174	-4.0010	-2.7567	113.30	<.0001
A	1	0.1834	0.3327	-0.4686	0.8354	0.30	0.5814
M_bin	1	0.1805	0.3354	-0.4769	0.8378	0.29	0.5905
C	1	-0.1610	0.1651	-0.4846	0.1626	0.95	0.3294
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-164.4357	
Full Log Likelihood		-164.4357	
AIC (smaller is better)		336.8715	
AICC (smaller is better)		336.9117	
BIC (smaller is better)		356.5025	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.09556	-0.04298	-0.04380	-0.02460
Prm2	-0.04298	0.09925	-0.007584	-0.001483
Prm3	-0.04380	-0.007584	0.09963	-0.003301
Prm4	-0.02460	-0.001483	-0.003301	0.02425

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4398	0.3091	-4.0457	-2.8339	123.82	<.0001
A	1	0.1612	0.3150	-0.4562	0.7787	0.26	0.6088
M_bin	1	0.0704	0.3156	-0.5483	0.6891	0.05	0.8235
C	1	0.0799	0.1557	-0.2253	0.3852	0.26	0.6078
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-192.8524	
Full Log Likelihood		-192.8524	
AIC (smaller is better)		393.7049	
AICC (smaller is better)		393.7451	
BIC (smaller is better)		413.3359	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08942	-0.03153	-0.03531	-0.02677
Prm2	-0.03153	0.08078	-0.007260	0.002111
Prm3	-0.03531	-0.007260	0.08110	-0.005960
Prm4	-0.02677	0.002111	-0.005960	0.02118

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3816	0.2990	-3.9677	-2.7955	127.89	<.0001
A	1	-0.1542	0.2842	-0.7113	0.4028	0.29	0.5874
M_bin	1	0.0882	0.2848	-0.4699	0.6464	0.10	0.7567
C	1	0.3148	0.1455	0.0296	0.6001	4.68	0.0305
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-164.7509	
Full Log Likelihood		-164.7509	
AIC (smaller is better)		337.5017	
AICC (smaller is better)		337.5419	
BIC (smaller is better)		357.1328	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.11904	-0.05554	-0.05119	-0.02664
Prm2	-0.05554	0.09821	-0.004795	0.001090
Prm3	-0.05119	-0.004795	0.10139	-0.006094
Prm4	-0.02664	0.001090	-0.006094	0.02476

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8737	0.3450	-4.5499	-3.1975	126.06	<.0001
A	1	0.6107	0.3134	-0.0035	1.2249	3.80	0.0513
M_bin	1	0.3470	0.3184	-0.2771	0.9711	1.19	0.2758
C	1	0.1442	0.1573	-0.1641	0.4526	0.84	0.3593
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-159.4977	
Full Log Likelihood		-159.4977	
AIC (smaller is better)		326.9953	
AICC (smaller is better)		327.0355	
BIC (smaller is better)		346.6263	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.08324	-0.03152	-0.05109	-0.01971
Prm2	-0.03152	0.11886	-0.01208	0.001603
Prm3	-0.05109	-0.01208	0.10739	-0.008200
Prm4	-0.01971	0.001603	-0.008200	0.02562

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1687	0.2885	-3.7341	-2.6032	120.62	<.0001
A	1	-0.5224	0.3448	-1.1981	0.1534	2.30	0.1297
M_bin	1	0.4185	0.3277	-0.2238	1.0608	1.63	0.2016
C	1	-0.1353	0.1601	-0.4490	0.1784	0.71	0.3978
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-188.8854	
Full Log Likelihood		-188.8854	
AIC (smaller is better)		385.7708	
AICC (smaller is better)		385.8110	
BIC (smaller is better)		405.4019	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07901	-0.03466	-0.03098	-0.02204
Prm2	-0.03466	0.08246	0.002179	0.0008277
Prm3	-0.03098	0.002179	0.08062	-0.004607
Prm4	-0.02204	0.0008277	-0.004607	0.01661

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2754	0.2811	-3.8263	-2.7245	135.79	<.0001
A	1	-0.1106	0.2872	-0.6734	0.4523	0.15	0.7002
M_bin	1	-0.2774	0.2839	-0.8339	0.2791	0.95	0.3286
C	1	0.3426	0.1289	0.0900	0.5952	7.06	0.0079
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-175.8377	
Full Log Likelihood		-175.8377	
AIC (smaller is better)		359.6753	
AICC (smaller is better)		359.7155	
BIC (smaller is better)		379.3063	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.07141	-0.03930	-0.03670	-0.01392
Prm2	-0.03930	0.08975	-0.009440	0.0001318
Prm3	-0.03670	-0.009440	0.09221	-0.007331
Prm4	-0.01392	0.0001318	-0.007331	0.02195

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0522	0.2672	-3.5759	-2.5284	130.45	<.0001
A	1	0.1816	0.2996	-0.4056	0.7688	0.37	0.5444
M_bin	1	0.0926	0.3037	-0.5025	0.6878	0.09	0.7603
C	1	-0.2416	0.1481	-0.5319	0.0488	2.66	0.1030
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_noint

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

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

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-178.2805	
Full Log Likelihood		-178.2805	
AIC (smaller is better)		364.5611	
AICC (smaller is better)		364.6013	
BIC (smaller is better)		384.1921	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.10256	-0.04574	-0.03923	-0.02681
Prm2	-0.04574	0.08659	0.001902	0.0009295
Prm3	-0.03923	0.001902	0.08830	-0.005707
Prm4	-0.02681	0.0009295	-0.005707	0.02100

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5615	0.3203	-4.1892	-2.9338	123.67	<.0001
A	1	0.1541	0.2943	-0.4227	0.7309	0.27	0.6005
M_bin	1	0.0155	0.2972	-0.5669	0.5979	0.00	0.9585
C	1	0.2895	0.1449	0.0055	0.5735	3.99	0.0458
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_noint

Number of Observations Read	100000
Number of Observations Used	100000
Number of Events	4556
Number of Trials	100000

Response Profile		
Ordered Value	Y_bin_noint	Total Frequency
1	1	4556
2	0	95444

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

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-18499.7516	
Full Log Likelihood		-18499.7516	
AIC (smaller is better)		37007.5033	
AICC (smaller is better)		37007.5037	
BIC (smaller is better)		37045.5550	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.0007933	-0.000359	-0.000398	-0.000191
Prm2	-0.000359	0.0008512	-0.000047	7.4658E-6
Prm3	-0.000398	-0.000047	0.0008695	-0.000062
Prm4	-0.000191	7.4658E-6	-0.000062	0.0002077

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2242	0.0282	-3.2794	-3.1690	13103.9	<.0001
A	1	0.0500	0.0292	-0.0072	0.1072	2.93	0.0867
M_bin	1	0.1804	0.0295	0.1226	0.2382	37.41	<.0001
C	1	0.0170	0.0144	-0.0113	0.0452	1.39	0.2390
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	50830
2	0	49170

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	138603.88	136180.96
SC	138613.39	136209.50
-2 Log L	138601.88	136174.96

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2426.9174	2	<.0001	
Score	2400.0008	2	<.0001	
Wald	2347.2209	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3606	0.0108	1117.2906	<.0001
A	1	0.2143	0.0129	273.9453	<.0001
C	1	0.2925	0.00638	2105.0148	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.239	1.208	1.271
C	1.340	1.323	1.357

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	249931100	c	0.592

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.09279	0.30634	0.58709	1.67650
2	marginal pnde	1.09279	0.30634	0.58709	1.67650
3	marginal pnie	1.01029	0.01946	0.98201	1.06206
4	marginal tnde	1.09279	0.30634	0.58709	1.67650
5	marginal tnie	1.01029	0.01946	0.98201	1.06206
6	marginal total effect	1.10271	0.30510	0.59067	1.68814
7	conditional cde	1.09279	0.30634	0.58709	1.67650
8	conditional pnde	1.09279	0.30634	0.58709	1.67650
9	conditional pnie	1.01030	0.01947	0.98202	1.06221
10	conditional tnde	1.09279	0.30634	0.58709	1.67650
11	conditional tnie	1.01030	0.01947	0.98202	1.06221
12	conditional total effect	1.10272	0.30510	0.59067	1.68815

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA11
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1148.0187	1.1526
Scaled Deviance	996	1148.0187	1.1526
Pearson Chi-Square	996	996.4442	1.0004
Scaled Pearson X2	996	996.4442	1.0004
Log Likelihood		190.1514	
Full Log Likelihood		-1925.4686	
AIC (smaller is better)		3858.9373	
AICC (smaller is better)		3858.9775	
BIC (smaller is better)		3878.5683	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001162	-0.000562	-0.000611	-0.000298
Prm2	-0.000562	0.001429	-0.000056	6.7766E-6
Prm3	-0.000611	-0.000056	0.001390	-0.000058
Prm4	-0.000298	6.7766E-6	-0.000058	0.0003385

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0898	0.0341	1.0230	1.1566	1022.16	<.0001
A	1	-0.0160	0.0378	-0.0900	0.0581	0.18	0.6730
M_bin	1	-0.0184	0.0373	-0.0915	0.0547	0.24	0.6216
C	1	-0.0090	0.0184	-0.0451	0.0270	0.24	0.6242
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1056.8401	1.0611
Scaled Deviance	996	1056.8401	1.0611
Pearson Chi-Square	996	936.8206	0.9406
Scaled Pearson X2	996	936.8206	0.9406
Log Likelihood		281.5506	
Full Log Likelihood		-1907.1946	
AIC (smaller is better)		3822.3892	
AICC (smaller is better)		3822.4294	
BIC (smaller is better)		3842.0202	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001185	-0.000608	-0.000577	-0.000291
Prm2	-0.000608	0.001365	-0.000047	0.0000297
Prm3	-0.000577	-0.000047	0.001381	-0.000112
Prm4	-0.000291	0.0000297	-0.000112	0.0003428

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1212	0.0344	1.0537	1.1887	1060.63	<.0001
A	1	0.0855	0.0369	0.0131	0.1579	5.36	0.0206
M_bin	1	-0.0097	0.0372	-0.0825	0.0632	0.07	0.7946
C	1	-0.0609	0.0185	-0.0972	-0.0246	10.81	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.DATA13
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1076.2300	1.0806
Scaled Deviance	996	1076.2300	1.0806
Pearson Chi-Square	996	954.5102	0.9583
Scaled Pearson X2	996	954.5102	0.9583
Log Likelihood		179.0733	
Full Log Likelihood		-1896.4500	
AIC (smaller is better)		3800.8999	
AICC (smaller is better)		3800.9401	
BIC (smaller is better)		3820.5310	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001068	-0.000505	-0.000562	-0.000253
Prm2	-0.000505	0.001495	-0.000053	-0.000017
Prm3	-0.000562	-0.000053	0.001448	-0.000139
Prm4	-0.000253	-0.000017	-0.000139	0.0003242

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1332	0.0327	1.0692	1.1972	1202.62	<.0001
A	1	-0.0219	0.0387	-0.0977	0.0539	0.32	0.5712
M_bin	1	-0.0024	0.0381	-0.0770	0.0722	0.00	0.9489
C	1	-0.0611	0.0180	-0.0964	-0.0258	11.53	0.0007
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1023.7596	1.0279
Scaled Deviance	996	1023.7596	1.0279
Pearson Chi-Square	996	938.1203	0.9419
Scaled Pearson X2	996	938.1203	0.9419
Log Likelihood		245.6937	
Full Log Likelihood		-1895.4237	
AIC (smaller is better)		3798.8475	
AICC (smaller is better)		3798.8877	
BIC (smaller is better)		3818.4785	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001218	-0.000610	-0.000567	-0.000301
Prm2	-0.000610	0.001375	-0.000113	0.0000344
Prm3	-0.000567	-0.000113	0.001382	-0.000078
Prm4	-0.000301	0.0000344	-0.000078	0.0003130

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0652	0.0349	0.9968	1.1336	931.84	<.0001
A	1	0.0524	0.0371	-0.0203	0.1251	2.00	0.1578
M_bin	1	0.0028	0.0372	-0.0700	0.0757	0.01	0.9392
C	1	-0.0072	0.0177	-0.0419	0.0275	0.17	0.6843
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1106.5305	1.1110
Scaled Deviance	996	1106.5305	1.1110
Pearson Chi-Square	996	981.4316	0.9854
Scaled Pearson X2	996	981.4316	0.9854
Log Likelihood		241.6487	
Full Log Likelihood		-1920.5332	
AIC (smaller is better)		3849.0663	
AICC (smaller is better)		3849.1065	
BIC (smaller is better)		3868.6973	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001163	-0.000578	-0.000563	-0.000285
Prm2	-0.000578	0.001385	-0.000117	0.0000227
Prm3	-0.000563	-0.000117	0.001388	-0.000085
Prm4	-0.000285	0.0000227	-0.000085	0.0003186

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0844	0.0341	1.0175	1.1512	1010.81	<.0001
A	1	0.0537	0.0372	-0.0193	0.1266	2.08	0.1492
M_bin	1	0.0062	0.0373	-0.0668	0.0792	0.03	0.8675
C	1	-0.0294	0.0178	-0.0644	0.0055	2.72	0.0990
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1039.1401	1.0433
Scaled Deviance	996	1039.1401	1.0433
Pearson Chi-Square	996	914.4360	0.9181
Scaled Pearson X2	996	914.4360	0.9181
Log Likelihood		210.5941	
Full Log Likelihood		-1887.7452	
AIC (smaller is better)		3783.4904	
AICC (smaller is better)		3783.5306	
BIC (smaller is better)		3803.1214	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001070	-0.000545	-0.000611	-0.000206
Prm2	-0.000545	0.001430	0.0000430	-0.000073
Prm3	-0.000611	0.0000430	0.001427	-0.000133
Prm4	-0.000206	-0.000073	-0.000133	0.0003229

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1166	0.0327	1.0525	1.1807	1165.53	<.0001
A	1	0.0367	0.0378	-0.0374	0.1108	0.94	0.3318
M_bin	1	-0.0101	0.0378	-0.0841	0.0640	0.07	0.7901
C	1	-0.0581	0.0180	-0.0933	-0.0229	10.45	0.0012
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1070.0441	1.0743
Scaled Deviance	996	1070.0441	1.0743
Pearson Chi-Square	996	948.8829	0.9527
Scaled Pearson X2	996	948.8829	0.9527
Log Likelihood		327.1412	
Full Log Likelihood		-1920.0359	
AIC (smaller is better)		3848.0718	
AICC (smaller is better)		3848.1120	
BIC (smaller is better)		3867.7028	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001123	-0.000526	-0.000539	-0.000291
Prm2	-0.000526	0.001362	-0.000118	1.9109E-6
Prm3	-0.000539	-0.000118	0.001365	-0.000102
Prm4	-0.000291	1.9109E-6	-0.000102	0.0003398

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1862	0.0335	1.1205	1.2519	1252.99	<.0001
A	1	0.0318	0.0369	-0.0405	0.1041	0.74	0.3888
M_bin	1	-0.0554	0.0369	-0.1278	0.0170	2.25	0.1337
C	1	-0.0630	0.0184	-0.0991	-0.0268	11.67	0.0006
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1112.6861	1.1172
Scaled Deviance	996	1112.6861	1.1172
Pearson Chi-Square	996	1005.1084	1.0091
Scaled Pearson X2	996	1005.1084	1.0091
Log Likelihood		239.6545	
Full Log Likelihood		-1924.4693	
AIC (smaller is better)		3856.9385	
AICC (smaller is better)		3856.9787	
BIC (smaller is better)		3876.5696	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001151	-0.000602	-0.000540	-0.000290
Prm2	-0.000602	0.001390	-0.000112	0.0000433
Prm3	-0.000540	-0.000112	0.001395	-0.000098
Prm4	-0.000290	0.0000433	-0.000098	0.0003297

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1220	0.0339	1.0555	1.1885	1093.61	<.0001
A	1	0.0522	0.0373	-0.0208	0.1253	1.96	0.1611
M_bin	1	-0.0549	0.0374	-0.1281	0.0184	2.16	0.1419
C	1	-0.0382	0.0182	-0.0738	-0.0026	4.42	0.0355
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1027.3965	1.0315
Scaled Deviance	996	1027.3965	1.0315
Pearson Chi-Square	996	875.2665	0.8788
Scaled Pearson X2	996	875.2665	0.8788
Log Likelihood		278.9297	
Full Log Likelihood		-1892.0652	
AIC (smaller is better)		3792.1304	
AICC (smaller is better)		3792.1706	
BIC (smaller is better)		3811.7614	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001140	-0.000585	-0.000491	-0.000318
Prm2	-0.000585	0.001374	-0.000093	0.0000321
Prm3	-0.000491	-0.000093	0.001391	-0.000115
Prm4	-0.000318	0.0000321	-0.000115	0.0003532

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1541	0.0338	1.0879	1.2203	1168.67	<.0001
A	1	0.0266	0.0371	-0.0461	0.0992	0.51	0.4737
M_bin	1	-0.0828	0.0373	-0.1559	-0.0097	4.93	0.0265
C	1	-0.0331	0.0188	-0.0699	0.0038	3.10	0.0785
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1082.3202	1.0867
Scaled Deviance	996	1082.3202	1.0867
Pearson Chi-Square	996	925.4468	0.9292
Scaled Pearson X2	996	925.4468	0.9292
Log Likelihood		268.2694	
Full Log Likelihood		-1908.1647	
AIC (smaller is better)		3824.3295	
AICC (smaller is better)		3824.3697	
BIC (smaller is better)		3843.9605	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001124	-0.000599	-0.000534	-0.000272
Prm2	-0.000599	0.001377	-0.000097	0.0000406
Prm3	-0.000534	-0.000097	0.001391	-0.000110
Prm4	-0.000272	0.0000406	-0.000110	0.0003207

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1517	0.0335	1.0860	1.2174	1179.99	<.0001
A	1	0.0467	0.0371	-0.0260	0.1194	1.58	0.2084
M_bin	1	-0.0723	0.0373	-0.1454	0.0008	3.76	0.0525
C	1	-0.0485	0.0179	-0.0836	-0.0134	7.32	0.0068
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1095.8947	1.1003
Scaled Deviance	996	1095.8947	1.1003
Pearson Chi-Square	996	966.0252	0.9699
Scaled Pearson X2	996	966.0252	0.9699
Log Likelihood		218.8375	
Full Log Likelihood		-1909.4313	
AIC (smaller is better)		3826.8627	
AICC (smaller is better)		3826.9029	
BIC (smaller is better)		3846.4937	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001140	-0.000583	-0.000565	-0.000278
Prm2	-0.000583	0.001396	-0.000090	0.0000159
Prm3	-0.000565	-0.000090	0.001397	-0.000085
Prm4	-0.000278	0.0000159	-0.000085	0.0003264

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0867	0.0338	1.0205	1.1529	1035.42	<.0001
A	1	0.0923	0.0374	0.0191	0.1656	6.10	0.0135
M_bin	1	-0.0020	0.0374	-0.0753	0.0712	0.00	0.9571
C	1	-0.0535	0.0181	-0.0890	-0.0181	8.78	0.0030
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1024.7869	1.0289
Scaled Deviance	996	1024.7869	1.0289
Pearson Chi-Square	996	905.1449	0.9088
Scaled Pearson X2	996	905.1449	0.9088
Log Likelihood		279.2128	
Full Log Likelihood		-1894.6070	
AIC (smaller is better)		3797.2140	
AICC (smaller is better)		3797.2542	
BIC (smaller is better)		3816.8450	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001167	-0.000582	-0.000581	-0.000305
Prm2	-0.000582	0.001361	-0.000090	8.5593E-6
Prm3	-0.000581	-0.000090	0.001354	-0.000034
Prm4	-0.000305	8.5593E-6	-0.000034	0.0003382

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1401	0.0342	1.0731	1.2070	1114.17	<.0001
A	1	0.0682	0.0369	-0.0041	0.1406	3.42	0.0643
M_bin	1	-0.0503	0.0368	-0.1224	0.0219	1.87	0.1719
C	1	-0.0564	0.0184	-0.0925	-0.0204	9.41	0.0022
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1057.6058	1.0619
Scaled Deviance	996	1057.6058	1.0619
Pearson Chi-Square	996	936.4087	0.9402
Scaled Pearson X2	996	936.4087	0.9402
Log Likelihood		238.4679	
Full Log Likelihood		-1901.8859	
AIC (smaller is better)		3811.7717	
AICC (smaller is better)		3811.8119	
BIC (smaller is better)		3831.4027	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001078	-0.000583	-0.000607	-0.000235
Prm2	-0.000583	0.001419	0.0000444	-4.332E-6
Prm3	-0.000607	0.0000444	0.001393	-0.000101
Prm4	-0.000235	-4.332E-6	-0.000101	0.0003208

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1432	0.0328	1.0789	1.2076	1212.62	<.0001
A	1	-0.0272	0.0377	-0.1011	0.0466	0.52	0.4698
M_bin	1	-0.0104	0.0373	-0.0836	0.0627	0.08	0.7802
C	1	-0.0518	0.0179	-0.0870	-0.0167	8.38	0.0038
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1043.7950	1.0480
Scaled Deviance	996	1043.7950	1.0480
Pearson Chi-Square	996	923.0723	0.9268
Scaled Pearson X2	996	923.0723	0.9268
Log Likelihood		216.9988	
Full Log Likelihood		-1891.8750	
AIC (smaller is better)		3791.7501	
AICC (smaller is better)		3791.7903	
BIC (smaller is better)		3811.3811	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001183	-0.000609	-0.000536	-0.000311
Prm2	-0.000609	0.001386	-0.000059	0.0000179
Prm3	-0.000536	-0.000059	0.001414	-0.000125
Prm4	-0.000311	0.0000179	-0.000125	0.0003682

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1110	0.0344	1.0436	1.1784	1043.67	<.0001
A	1	0.0453	0.0372	-0.0277	0.1182	1.48	0.2241
M_bin	1	-0.0732	0.0376	-0.1469	0.0005	3.79	0.0516
C	1	-0.0217	0.0192	-0.0593	0.0159	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.DATA115
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1018.8434	1.0229
Scaled Deviance	996	1018.8434	1.0229
Pearson Chi-Square	996	894.9939	0.8986
Scaled Pearson X2	996	894.9939	0.8986
Log Likelihood		319.8912	
Full Log Likelihood		-1899.0012	
AIC (smaller is better)		3806.0024	
AICC (smaller is better)		3806.0426	
BIC (smaller is better)		3825.6334	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001128	-0.000562	-0.000560	-0.000280
Prm2	-0.000562	0.001354	-0.000073	0.0000130
Prm3	-0.000560	-0.000073	0.001350	-0.000082
Prm4	-0.000280	0.0000130	-0.000082	0.0003211

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1146	0.0336	1.0488	1.1804	1101.84	<.0001
A	1	0.0347	0.0368	-0.0375	0.1068	0.89	0.3464
M_bin	1	0.0433	0.0367	-0.0287	0.1153	1.39	0.2384
C	1	-0.0460	0.0179	-0.0811	-0.0109	6.59	0.0103
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1005.5253	1.0096
Scaled Deviance	996	1005.5253	1.0096
Pearson Chi-Square	996	892.6865	0.8963
Scaled Pearson X2	996	892.6865	0.8963
Log Likelihood		337.2932	
Full Log Likelihood		-1900.1185	
AIC (smaller is better)		3808.2371	
AICC (smaller is better)		3808.2773	
BIC (smaller is better)		3827.8681	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001213	-0.000600	-0.000618	-0.000295
Prm2	-0.000600	0.001335	-3.714E-6	9.6163E-6
Prm3	-0.000618	-3.714E-6	0.001344	-0.000087
Prm4	-0.000295	9.6163E-6	-0.000087	0.0003392

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1396	0.0348	1.0714	1.2079	1071.13	<.0001
A	1	0.0170	0.0365	-0.0547	0.0886	0.22	0.6424
M_bin	1	0.0118	0.0367	-0.0601	0.0836	0.10	0.7480
C	1	-0.0426	0.0184	-0.0787	-0.0065	5.34	0.0208
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1061.9350	1.0662
Scaled Deviance	996	1061.9350	1.0662
Pearson Chi-Square	996	954.1197	0.9580
Scaled Pearson X2	996	954.1197	0.9580
Log Likelihood		323.1101	
Full Log Likelihood		-1917.1233	
AIC (smaller is better)		3842.2465	
AICC (smaller is better)		3842.2867	
BIC (smaller is better)		3861.8776	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001112	-0.000603	-0.000540	-0.000262
Prm2	-0.000603	0.001353	-0.000065	0.0000423
Prm3	-0.000540	-0.000065	0.001373	-0.000120
Prm4	-0.000262	0.0000423	-0.000120	0.0003205

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1629	0.0334	1.0976	1.2283	1215.79	<.0001
A	1	0.0477	0.0368	-0.0244	0.1198	1.68	0.1944
M_bin	1	-0.0213	0.0371	-0.0939	0.0513	0.33	0.5653
C	1	-0.0700	0.0179	-0.1051	-0.0349	15.30	<.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.DATA118
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1113.4314	1.1179
Scaled Deviance	996	1113.4314	1.1179
Pearson Chi-Square	996	1002.5263	1.0066
Scaled Pearson X2	996	1002.5263	1.0066
Log Likelihood		298.5339	
Full Log Likelihood		-1935.6754	
AIC (smaller is better)		3879.3508	
AICC (smaller is better)		3879.3910	
BIC (smaller is better)		3898.9819	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001156	-0.000578	-0.000546	-0.000294
Prm2	-0.000578	0.001354	-0.000038	1.8181E-6
Prm3	-0.000546	-0.000038	0.001372	-0.000113
Prm4	-0.000294	1.8181E-6	-0.000113	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	1.1117	0.0340	1.0451	1.1784	1069.14	<.0001
A	1	0.0474	0.0368	-0.0247	0.1196	1.66	0.1973
M_bin	1	0.0065	0.0370	-0.0661	0.0791	0.03	0.8602
C	1	-0.0357	0.0185	-0.0720	0.0006	3.71	0.0540
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1046.9019	1.0511
Scaled Deviance	996	1046.9019	1.0511
Pearson Chi-Square	996	935.8573	0.9396
Scaled Pearson X2	996	935.8573	0.9396
Log Likelihood		280.9261	
Full Log Likelihood		-1905.3871	
AIC (smaller is better)		3818.7742	
AICC (smaller is better)		3818.8144	
BIC (smaller is better)		3838.4052	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001138	-0.0000574	-0.0000578	-0.000263
Prm2	-0.0000574	0.001370	-0.0000018	-2.421E-6
Prm3	-0.0000578	-0.0000018	0.001377	-0.000106
Prm4	-0.000263	-2.421E-6	-0.000106	0.0003138

The 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	0.0337	1.0926	1.2249	1179.67	<.0001
A	1	-0.0015	0.0370	-0.0740	0.0711	0.00	0.9679
M_bin	1	-0.0553	0.0371	-0.1280	0.0174	2.22	0.1363
C	1	-0.0357	0.0177	-0.0704	-0.0009	4.05	0.0441
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	980.3591	0.9843
Scaled Deviance	996	980.3591	0.9843
Pearson Chi-Square	996	861.7592	0.8652
Scaled Pearson X2	996	861.7592	0.8652
Log Likelihood		185.7976	
Full Log Likelihood		-1858.3331	
AIC (smaller is better)		3724.6662	
AICC (smaller is better)		3724.7064	
BIC (smaller is better)		3744.2972	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001124	-0.000591	-0.000556	-0.000252
Prm2	-0.000591	0.001405	-0.000077	2.1381E-6
Prm3	-0.000556	-0.000077	0.001431	-0.000116
Prm4	-0.000252	2.1381E-6	-0.000116	0.0003199

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1171	0.0335	1.0513	1.1828	1109.77	<.0001
A	1	0.0716	0.0375	-0.0019	0.1451	3.65	0.0561
M_bin	1	-0.0471	0.0378	-0.1213	0.0270	1.55	0.2128
C	1	-0.0640	0.0179	-0.0990	-0.0289	12.79	0.0003
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1061.7078	1.0660
Scaled Deviance	996	1061.7078	1.0660
Pearson Chi-Square	996	925.7765	0.9295
Scaled Pearson X2	996	925.7765	0.9295
Log Likelihood		294.0014	
Full Log Likelihood		-1908.8096	
AIC (smaller is better)		3825.6192	
AICC (smaller is better)		3825.6594	
BIC (smaller is better)		3845.2502	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001079	-0.000571	-0.000531	-0.000255
Prm2	-0.000571	0.001362	-0.000068	6.8146E-6
Prm3	-0.000531	-0.000068	0.001373	-0.000093
Prm4	-0.000255	6.8146E-6	-0.000093	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	1.1808	0.0329	1.1164	1.2452	1291.94	<.0001
A	1	0.0379	0.0369	-0.0345	0.1102	1.05	0.3046
M_bin	1	-0.0972	0.0371	-0.1698	-0.0246	6.88	0.0087
C	1	-0.0557	0.0176	-0.0902	-0.0211	9.98	0.0016
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1030.0330	1.0342
Scaled Deviance	996	1030.0330	1.0342
Pearson Chi-Square	996	908.3869	0.9120
Scaled Pearson X2	996	908.3869	0.9120
Log Likelihood		371.2060	
Full Log Likelihood		-1911.2183	
AIC (smaller is better)		3830.4367	
AICC (smaller is better)		3830.4769	
BIC (smaller is better)		3850.0677	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001125	-0.000513	-0.000576	-0.000307
Prm2	-0.000513	0.001352	-0.000114	4.2203E-6
Prm3	-0.000576	-0.000114	0.001318	-0.000020
Prm4	-0.000307	4.2203E-6	-0.000020	0.0003191

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2015	0.0335	1.1358	1.2673	1283.60	<.0001
A	1	0.0026	0.0368	-0.0694	0.0747	0.01	0.9431
M_bin	1	-0.0882	0.0363	-0.1594	-0.0171	5.91	0.0151
C	1	-0.0389	0.0179	-0.0739	-0.0039	4.74	0.0295
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1042.1355	1.0463
Scaled Deviance	996	1042.1355	1.0463
Pearson Chi-Square	996	920.0719	0.9238
Scaled Pearson X2	996	920.0719	0.9238
Log Likelihood		131.5263	
Full Log Likelihood		-1874.0815	
AIC (smaller is better)		3756.1629	
AICC (smaller is better)		3756.2031	
BIC (smaller is better)		3775.7939	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001208	-0.000622	-0.000623	-0.000285
Prm2	-0.000622	0.001458	-0.000061	0.0000502
Prm3	-0.000623	-0.000061	0.001450	-0.000113
Prm4	-0.000285	0.0000502	-0.000113	0.0003371

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0917	0.0348	1.0236	1.1598	986.58	<.0001
A	1	-0.0275	0.0382	-0.1023	0.0473	0.52	0.4712
M_bin	1	0.0390	0.0381	-0.0356	0.1136	1.05	0.3056
C	1	-0.0567	0.0184	-0.0927	-0.0207	9.55	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.DATA124
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1064.6182	1.0689
Scaled Deviance	996	1064.6182	1.0689
Pearson Chi-Square	996	959.6001	0.9635
Scaled Pearson X2	996	959.6001	0.9635
Log Likelihood		317.8055	
Full Log Likelihood		-1920.2429	
AIC (smaller is better)		3848.4858	
AICC (smaller is better)		3848.5260	
BIC (smaller is better)		3868.1168	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001137	-0.000537	-0.000490	-0.000305
Prm2	-0.000537	0.001362	-0.000146	0.0000129
Prm3	-0.000490	-0.000146	0.001383	-0.000120
Prm4	-0.000305	0.0000129	-0.000120	0.0003333

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1621	0.0337	1.0960	1.2281	1188.11	<.0001
A	1	-0.0217	0.0369	-0.0940	0.0507	0.34	0.5573
M_bin	1	-0.0375	0.0372	-0.1104	0.0354	1.02	0.3135
C	1	-0.0267	0.0183	-0.0625	0.0091	2.14	0.1432
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1077.2009	1.0815
Scaled Deviance	996	1077.2009	1.0815
Pearson Chi-Square	996	960.8160	0.9647
Scaled Pearson X2	996	960.8160	0.9647
Log Likelihood		284.2104	
Full Log Likelihood		-1915.7923	
AIC (smaller is better)		3839.5846	
AICC (smaller is better)		3839.6248	
BIC (smaller is better)		3859.2156	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001135	-0.000573	-0.000522	-0.000294
Prm2	-0.000573	0.001362	-0.000051	-2.709E-6
Prm3	-0.000522	-0.000051	0.001378	-0.000101
Prm4	-0.000294	-2.709E-6	-0.000101	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	1.1082	0.0337	1.0421	1.1742	1081.62	<.0001
A	1	0.0948	0.0369	0.0225	0.1672	6.61	0.0102
M_bin	1	-0.0406	0.0371	-0.1134	0.0321	1.20	0.2739
C	1	-0.0346	0.0182	-0.0704	0.0011	3.60	0.0576
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	935.6250	0.9394
Scaled Deviance	996	935.6250	0.9394
Pearson Chi-Square	996	833.4400	0.8368
Scaled Pearson X2	996	833.4400	0.8368
Log Likelihood		246.8832	
Full Log Likelihood		-1855.0326	
AIC (smaller is better)		3718.0653	
AICC (smaller is better)		3718.1055	
BIC (smaller is better)		3737.6963	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001158	-0.000548	-0.000596	-0.000292
Prm2	-0.000548	0.001406	-0.000131	0.0000268
Prm3	-0.000596	-0.000131	0.001389	-0.000077
Prm4	-0.000292	0.0000268	-0.000077	0.0003382

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1615	0.0340	1.0948	1.2282	1164.47	<.0001
A	1	0.0143	0.0375	-0.0593	0.0878	0.14	0.7039
M_bin	1	-0.0260	0.0373	-0.0991	0.0470	0.49	0.4849
C	1	-0.0738	0.0184	-0.1098	-0.0377	16.08	<.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.DATA127
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1052.5840	1.0568
Scaled Deviance	996	1052.5840	1.0568
Pearson Chi-Square	996	920.8075	0.9245
Scaled Pearson X2	996	920.8075	0.9245
Log Likelihood		221.0782	
Full Log Likelihood		-1893.0202	
AIC (smaller is better)		3794.0405	
AICC (smaller is better)		3794.0807	
BIC (smaller is better)		3813.6715	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001077	-0.000521	-0.000521	-0.000273
Prm2	-0.000521	0.001430	-0.000092	-8.762E-6
Prm3	-0.000521	-0.000092	0.001418	-0.000115
Prm4	-0.000273	-8.762E-6	-0.000115	0.0003260

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1601	0.0328	1.0958	1.2245	1249.72	<.0001
A	1	-0.0034	0.0378	-0.0775	0.0707	0.01	0.9282
M_bin	1	-0.1078	0.0377	-0.1816	-0.0340	8.20	0.0042
C	1	-0.0313	0.0181	-0.0667	0.0041	3.00	0.0830
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1065.8023	1.0701
Scaled Deviance	996	1065.8023	1.0701
Pearson Chi-Square	996	941.2062	0.9450
Scaled Pearson X2	996	941.2062	0.9450
Log Likelihood		244.5380	
Full Log Likelihood		-1905.3045	
AIC (smaller is better)		3818.6090	
AICC (smaller is better)		3818.6492	
BIC (smaller is better)		3838.2400	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001114	-0.000588	-0.000529	-0.000286
Prm2	-0.000588	0.001392	-0.000083	0.0000338
Prm3	-0.000529	-0.000083	0.001394	-0.000102
Prm4	-0.000286	0.0000338	-0.000102	0.0003353

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1315	0.0334	1.0661	1.1969	1149.06	<.0001
A	1	-0.0342	0.0373	-0.1073	0.0389	0.84	0.3596
M_bin	1	-0.0038	0.0373	-0.0770	0.0694	0.01	0.9187
C	1	-0.0338	0.0183	-0.0697	0.0021	3.40	0.0652
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1096.5306	1.1009
Scaled Deviance	996	1096.5306	1.1009
Pearson Chi-Square	996	976.0650	0.9800
Scaled Pearson X2	996	976.0650	0.9800
Log Likelihood		261.5638	
Full Log Likelihood		-1919.6882	
AIC (smaller is better)		3847.3763	
AICC (smaller is better)		3847.4165	
BIC (smaller is better)		3867.0073	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001199	-0.000618	-0.000590	-0.000275
Prm2	-0.000618	0.001357	-0.000060	0.0000137
Prm3	-0.000590	-0.000060	0.001389	-0.000109
Prm4	-0.000275	0.0000137	-0.000109	0.0003392

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0850	0.0346	1.0172	1.1529	981.98	<.0001
A	1	0.0473	0.0368	-0.0249	0.1195	1.65	0.1993
M_bin	1	0.0290	0.0373	-0.0440	0.1021	0.61	0.4359
C	1	-0.0356	0.0184	-0.0717	0.0005	3.73	0.0534
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1008.6852	1.0127
Scaled Deviance	996	1008.6852	1.0127
Pearson Chi-Square	996	895.1376	0.8987
Scaled Pearson X2	996	895.1376	0.8987
Log Likelihood		321.8178	
Full Log Likelihood		-1897.7392	
AIC (smaller is better)		3803.4784	
AICC (smaller is better)		3803.5186	
BIC (smaller is better)		3823.1095	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001046	-0.000517	-0.000517	-0.000260
Prm2	-0.000517	0.001372	-0.000069	-0.000017
Prm3	-0.000517	-0.000069	0.001366	-0.000104
Prm4	-0.000260	-0.000017	-0.000104	0.0003224

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1820	0.0323	1.1186	1.2454	1336.04	<.0001
A	1	-0.0114	0.0370	-0.0839	0.0612	0.09	0.7591
M_bin	1	-0.0588	0.0370	-0.1312	0.0137	2.53	0.1119
C	1	-0.0436	0.0180	-0.0788	-0.0084	5.89	0.0152
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	997.3518	1.0014
Scaled Deviance	996	997.3518	1.0014
Pearson Chi-Square	996	893.3028	0.8969
Scaled Pearson X2	996	893.3028	0.8969
Log Likelihood		371.9873	
Full Log Likelihood		-1901.9179	
AIC (smaller is better)		3811.8359	
AICC (smaller is better)		3811.8761	
BIC (smaller is better)		3831.4669	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001149	-0.000579	-0.000553	-0.000288
Prm2	-0.000579	0.001322	-0.000092	0.0000232
Prm3	-0.000553	-0.000092	0.001333	-0.000086
Prm4	-0.000288	0.0000232	-0.000086	0.0003324

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1499	0.0339	1.0834	1.2163	1150.72	<.0001
A	1	0.0384	0.0364	-0.0329	0.1097	1.12	0.2907
M_bin	1	-0.0012	0.0365	-0.0727	0.0704	0.00	0.9743
C	1	-0.0471	0.0182	-0.0828	-0.0113	6.66	0.0098
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1098.1022	1.1025
Scaled Deviance	996	1098.1022	1.1025
Pearson Chi-Square	996	980.5785	0.9845
Scaled Pearson X2	996	980.5785	0.9845
Log Likelihood		325.9490	
Full Log Likelihood		-1934.3054	
AIC (smaller is better)		3876.6109	
AICC (smaller is better)		3876.6511	
BIC (smaller is better)		3896.2419	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001144	-0.000548	-0.000596	-0.000273
Prm2	-0.000548	0.001361	0.0000118	-0.000027
Prm3	-0.000596	0.0000118	0.001357	-0.000105
Prm4	-0.000273	-0.000027	-0.000105	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	1.1785	0.0338	1.1122	1.2448	1213.68	<.0001
A	1	-0.0245	0.0369	-0.0968	0.0478	0.44	0.5072
M_bin	1	-0.0389	0.0368	-0.1111	0.0333	1.11	0.2913
C	1	-0.0397	0.0182	-0.0754	-0.0040	4.76	0.0292
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1074.5943	1.0789
Scaled Deviance	996	1074.5943	1.0789
Pearson Chi-Square	996	961.7550	0.9656
Scaled Pearson X2	996	961.7550	0.9656
Log Likelihood		313.9788	
Full Log Likelihood		-1921.2224	
AIC (smaller is better)		3850.4447	
AICC (smaller is better)		3850.4849	
BIC (smaller is better)		3870.0758	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001130	-0.000586	-0.000522	-0.000279
Prm2	-0.000586	0.001353	-0.000102	0.0000353
Prm3	-0.000522	-0.000102	0.001379	-0.000122
Prm4	-0.000279	0.0000353	-0.000122	0.0003275

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1117	0.0336	1.0458	1.1776	1094.13	<.0001
A	1	0.0523	0.0368	-0.0198	0.1244	2.02	0.1548
M_bin	1	0.0017	0.0371	-0.0711	0.0744	0.00	0.9640
C	1	-0.0319	0.0181	-0.0674	0.0035	3.11	0.0777
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1029.0444	1.0332
Scaled Deviance	996	1029.0444	1.0332
Pearson Chi-Square	996	932.6893	0.9364
Scaled Pearson X2	996	932.6893	0.9364
Log Likelihood		271.9144	
Full Log Likelihood		-1898.8643	
AIC (smaller is better)		3805.7285	
AICC (smaller is better)		3805.7687	
BIC (smaller is better)		3825.3595	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001169	-0.000563	-0.000562	-0.000306
Prm2	-0.000563	0.001381	-0.000095	0.0000193
Prm3	-0.000562	-0.000095	0.001371	-0.000083
Prm4	-0.000306	0.0000193	-0.000083	0.0003334

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1510	0.0342	1.0840 1.2180	1132.84	<.0001	
A	1	0.0192	0.0372	-0.0536 0.0920	0.27	0.6051	
M_bin	1	-0.0374	0.0370	-0.1100 0.0351	1.02	0.3120	
C	1	-0.0482	0.0183	-0.0840 -0.0124	6.98	0.0083	
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	987.7865	0.9918
Scaled Deviance	996	987.7865	0.9918
Pearson Chi-Square	996	879.1198	0.8827
Scaled Pearson X2	996	879.1198	0.8827
Log Likelihood		314.2208	
Full Log Likelihood		-1889.5996	
AIC (smaller is better)		3787.1992	
AICC (smaller is better)		3787.2394	
BIC (smaller is better)		3806.8303	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001160	-0.000561	-0.000598	-0.000294
Prm2	-0.000561	0.001360	-0.000080	0.0000180
Prm3	-0.000598	-0.000080	0.001345	-0.000063
Prm4	-0.000294	0.0000180	-0.000063	0.0003370

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1599	0.0341	1.0932	1.2266	1160.24	<.0001
A	1	-0.0060	0.0369	-0.0783	0.0662	0.03	0.8697
M_bin	1	0.0053	0.0367	-0.0665	0.0772	0.02	0.8841
C	1	-0.0589	0.0184	-0.0949	-0.0229	10.29	0.0013
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1071.7786	1.0761
Scaled Deviance	996	1071.7786	1.0761
Pearson Chi-Square	996	960.3270	0.9642
Scaled Pearson X2	996	960.3270	0.9642
Log Likelihood		287.8175	
Full Log Likelihood		-1914.3493	
AIC (smaller is better)		3836.6986	
AICC (smaller is better)		3836.7388	
BIC (smaller is better)		3856.3296	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001173	-0.000601	-0.000534	-0.000289
Prm2	-0.000601	0.001349	-0.000066	7.5299E-6
Prm3	-0.000534	-0.000066	0.001385	-0.000121
Prm4	-0.000289	7.5299E-6	-0.000121	0.0003390

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0970	0.0343	1.0298	1.1641	1025.77	<.0001
A	1	0.0939	0.0367	0.0219	0.1659	6.53	0.0106
M_bin	1	0.0013	0.0372	-0.0716	0.0743	0.00	0.9713
C	1	-0.0441	0.0184	-0.0802	-0.0080	5.74	0.0166
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1087.4720	1.0918
Scaled Deviance	996	1087.4720	1.0918
Pearson Chi-Square	996	977.4057	0.9813
Scaled Pearson X2	996	977.4057	0.9813
Log Likelihood		338.3372	
Full Log Likelihood		-1933.3576	
AIC (smaller is better)		3874.7152	
AICC (smaller is better)		3874.7554	
BIC (smaller is better)		3894.3462	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001144	-0.000568	-0.000568	-0.000282
Prm2	-0.000568	0.001343	-6.117E-6	-8.865E-6
Prm3	-0.000568	-6.117E-6	0.001340	-0.000084
Prm4	-0.000282	-8.865E-6	-0.000084	0.0003165

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1573	0.0338	1.0910	1.2236	1170.25	<.0001
A	1	0.0180	0.0366	-0.0538	0.0898	0.24	0.6228
M_bin	1	-0.0389	0.0366	-0.1107	0.0328	1.13	0.2879
C	1	-0.0334	0.0178	-0.0683	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.DATA138
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1034.7171	1.0389
Scaled Deviance	996	1034.7171	1.0389
Pearson Chi-Square	996	942.7682	0.9466
Scaled Pearson X2	996	942.7682	0.9466
Log Likelihood		239.1308	
Full Log Likelihood		-1896.3328	
AIC (smaller is better)		3800.6656	
AICC (smaller is better)		3800.7058	
BIC (smaller is better)		3820.2966	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001215	-0.000603	-0.000608	-0.000287
Prm2	-0.000603	0.001378	-0.000059	0.0000192
Prm3	-0.000608	-0.000059	0.001397	-0.000103
Prm4	-0.000287	0.0000192	-0.000103	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	1.1524	0.0349	1.0841	1.2207	1092.97	<.0001
A	1	0.0050	0.0371	-0.0678	0.0777	0.02	0.8935
M_bin	1	-0.0386	0.0374	-0.1119	0.0346	1.07	0.3011
C	1	-0.0533	0.0183	-0.0892	-0.0175	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.DATA139
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1050.1984	1.0544
Scaled Deviance	996	1050.1984	1.0544
Pearson Chi-Square	996	950.3268	0.9541
Scaled Pearson X2	996	950.3268	0.9541
Log Likelihood		242.5343	
Full Log Likelihood		-1897.9427	
AIC (smaller is better)		3803.8855	
AICC (smaller is better)		3803.9257	
BIC (smaller is better)		3823.5165	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001192	-0.000573	-0.000604	-0.000316
Prm2	-0.000573	0.001391	-0.000057	4.5102E-6
Prm3	-0.000604	-0.000057	0.001373	-0.000059
Prm4	-0.000316	4.5102E-6	-0.000059	0.0003559

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1364	0.0345	1.0687	1.2041	1083.41	<.0001
A	1	0.1076	0.0373	0.0345	0.1807	8.33	0.0039
M_bin	1	-0.1025	0.0370	-0.1751	-0.0299	7.65	0.0057
C	1	-0.0508	0.0189	-0.0877	-0.0138	7.24	0.0071
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1061.1528	1.0654
Scaled Deviance	996	1061.1528	1.0654
Pearson Chi-Square	996	959.3112	0.9632
Scaled Pearson X2	996	959.3112	0.9632
Log Likelihood		284.2595	
Full Log Likelihood		-1914.1136	
AIC (smaller is better)		3836.2272	
AICC (smaller is better)		3836.2674	
BIC (smaller is better)		3855.8582	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001130	-0.000548	-0.000554	-0.000293
Prm2	-0.000548	0.001400	-0.000103	0.0000355
Prm3	-0.000554	-0.000103	0.001386	-0.000117
Prm4	-0.000293	0.0000355	-0.000117	0.0003433

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1511	0.0336	1.0853	1.2170	1172.58	<.0001
A	1	-0.0103	0.0374	-0.0837	0.0630	0.08	0.7830
M_bin	1	-0.0303	0.0372	-0.1032	0.0427	0.66	0.4161
C	1	-0.0367	0.0185	-0.0730	-0.0004	3.93	0.0474
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1054.5767	1.0588
Scaled Deviance	996	1054.5767	1.0588
Pearson Chi-Square	996	919.4770	0.9232
Scaled Pearson X2	996	919.4770	0.9232
Log Likelihood		188.7950	
Full Log Likelihood		-1883.7357	
AIC (smaller is better)		3775.4714	
AICC (smaller is better)		3775.5116	
BIC (smaller is better)		3795.1024	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001160	-0.000620	-0.000582	-0.000260
Prm2	-0.000620	0.001398	-0.000034	4.8067E-6
Prm3	-0.000582	-0.000034	0.001422	-0.000110
Prm4	-0.000260	4.8067E-6	-0.000110	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	1.1331	0.0341	1.0664	1.1999	1106.58	<.0001
A	1	0.0827	0.0374	0.0094	0.1560	4.90	0.0269
M_bin	1	-0.0972	0.0377	-0.1711	-0.0233	6.64	0.0100
C	1	-0.0603	0.0181	-0.0958	-0.0248	11.06	0.0009
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1104.3085	1.1087
Scaled Deviance	996	1104.3085	1.1087
Pearson Chi-Square	996	967.7910	0.9717
Scaled Pearson X2	996	967.7910	0.9717
Log Likelihood		229.3920	
Full Log Likelihood		-1914.8076	
AIC (smaller is better)		3837.6151	
AICC (smaller is better)		3837.6553	
BIC (smaller is better)		3857.2461	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001168	-0.000602	-0.000549	-0.000309
Prm2	-0.000602	0.001393	-0.000016	0.0000123
Prm3	-0.000549	-0.000016	0.001400	-0.000104
Prm4	-0.000309	0.0000123	-0.000104	0.0003510

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1256	0.0342	1.0586	1.1926	1084.63	<.0001
A	1	0.0583	0.0373	-0.0149	0.1314	2.44	0.1185
M_bin	1	-0.0192	0.0374	-0.0925	0.0541	0.26	0.6081
C	1	-0.0630	0.0187	-0.0997	-0.0263	11.31	0.0008
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1013.8560	1.0179
Scaled Deviance	996	1013.8560	1.0179
Pearson Chi-Square	996	906.2972	0.9099
Scaled Pearson X2	996	906.2972	0.9099
Log Likelihood		187.5338	
Full Log Likelihood		-1877.4135	
AIC (smaller is better)		3762.8269	
AICC (smaller is better)		3762.8671	
BIC (smaller is better)		3782.4579	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001204	-0.000606	-0.000583	-0.000304
Prm2	-0.000606	0.001412	-0.000044	0.0000219
Prm3	-0.000583	-0.000044	0.001405	-0.000087
Prm4	-0.000304	0.0000219	-0.000087	0.0003292

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1285	0.0347	1.0605	1.1965	1057.28	<.0001
A	1	-0.0090	0.0376	-0.0826	0.0647	0.06	0.8110
M_bin	1	-0.0680	0.0375	-0.1415	0.0054	3.29	0.0696
C	1	-0.0257	0.0181	-0.0613	0.0098	2.01	0.1562
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1060.5328	1.0648
Scaled Deviance	996	1060.5328	1.0648
Pearson Chi-Square	996	928.2408	0.9320
Scaled Pearson X2	996	928.2408	0.9320
Log Likelihood		240.7774	
Full Log Likelihood		-1900.4299	
AIC (smaller is better)		3808.8599	
AICC (smaller is better)		3808.9001	
BIC (smaller is better)		3828.4909	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001135	-0.000569	-0.000542	-0.000291
Prm2	-0.000569	0.001395	-0.000130	0.0000291
Prm3	-0.000542	-0.000130	0.001417	-0.000131
Prm4	-0.000291	0.0000291	-0.000131	0.0003692

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1160	0.0337	1.0500	1.1821	1096.99	<.0001
A	1	0.0401	0.0374	-0.0331	0.1133	1.15	0.2834
M_bin	1	0.0333	0.0376	-0.0405	0.1071	0.78	0.3760
C	1	-0.0734	0.0192	-0.1111	-0.0357	14.59	0.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

The GENMOD Procedure

Model Information	
Data Set	WORK.DATA145
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1019.5702	1.0237
Scaled Deviance	996	1019.5702	1.0237
Pearson Chi-Square	996	904.7893	0.9084
Scaled Pearson X2	996	904.7893	0.9084
Log Likelihood		316.0383	
Full Log Likelihood		-1901.7576	
AIC (smaller is better)		3811.5151	
AICC (smaller is better)		3811.5553	
BIC (smaller is better)		3831.1461	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001067	-0.000546	-0.000534	-0.000271
Prm2	-0.000546	0.001372	-0.000022	-4.8E-6
Prm3	-0.000534	-0.000022	0.001364	-0.000107
Prm4	-0.000271	-4.8E-6	-0.000107	0.0003375

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1345	0.0327	1.0705	1.1985	1206.74	<.0001
A	1	-0.0300	0.0370	-0.1026	0.0426	0.66	0.4175
M_bin	1	0.0184	0.0369	-0.0540	0.0908	0.25	0.6179
C	1	-0.0273	0.0184	-0.0633	0.0087	2.22	0.1366
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1077.3298	1.0817
Scaled Deviance	996	1077.3298	1.0817
Pearson Chi-Square	996	948.2210	0.9520
Scaled Pearson X2	996	948.2210	0.9520
Log Likelihood		252.6514	
Full Log Likelihood		-1911.4562	
AIC (smaller is better)		3830.9124	
AICC (smaller is better)		3830.9526	
BIC (smaller is better)		3850.5434	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001190	-0.000541	-0.000606	-0.000281
Prm2	-0.000541	0.001387	-0.000132	9.8522E-6
Prm3	-0.000606	-0.000132	0.001425	-0.000125
Prm4	-0.000281	9.8522E-6	-0.000125	0.0003474

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1170	0.0345	1.0494	1.1846	1048.36	<.0001
A	1	0.0333	0.0372	-0.0397	0.1063	0.80	0.3716
M_bin	1	-0.0165	0.0377	-0.0905	0.0575	0.19	0.6616
C	1	-0.0370	0.0186	-0.0736	-0.0005	3.95	0.0470
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1157.4016	1.1620
Scaled Deviance	996	1157.4016	1.1620
Pearson Chi-Square	996	1010.7354	1.0148
Scaled Pearson X2	996	1010.7354	1.0148
Log Likelihood		216.3555	
Full Log Likelihood		-1934.4443	
AIC (smaller is better)		3876.8886	
AICC (smaller is better)		3876.9288	
BIC (smaller is better)		3896.5196	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001286	-0.000625	-0.000616	-0.000320
Prm2	-0.000625	0.001387	-0.000041	0.0000272
Prm3	-0.000616	-0.000041	0.001389	-0.000079
Prm4	-0.000320	0.0000272	-0.000079	0.0003226

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0773	0.0359	1.0070	1.1476	902.48	<.0001
A	1	0.0016	0.0372	-0.0714	0.0745	0.00	0.9667
M_bin	1	0.0332	0.0373	-0.0399	0.1062	0.79	0.3736
C	1	-0.0196	0.0180	-0.0548	0.0156	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.DATA148
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1033.2678	1.0374
Scaled Deviance	996	1033.2678	1.0374
Pearson Chi-Square	996	893.7305	0.8973
Scaled Pearson X2	996	893.7305	0.8973
Log Likelihood		171.7334	
Full Log Likelihood		-1874.4324	
AIC (smaller is better)		3756.8648	
AICC (smaller is better)		3756.9050	
BIC (smaller is better)		3776.4958	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001128	-0.000577	-0.000547	-0.000272
Prm2	-0.000577	0.001413	-0.000119	-0.000012
Prm3	-0.000547	-0.000119	0.001420	-0.000060
Prm4	-0.000272	-0.000012	-0.000060	0.0003145

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1531	0.0336	1.0873	1.2189	1178.30	<.0001
A	1	0.0081	0.0376	-0.0655	0.0818	0.05	0.8286
M_bin	1	-0.0518	0.0377	-0.1257	0.0220	1.89	0.1689
C	1	-0.0753	0.0177	-0.1100	-0.0405	18.02	<.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.DATA149
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1151.0633	1.1557
Scaled Deviance	996	1151.0633	1.1557
Pearson Chi-Square	996	983.9763	0.9879
Scaled Pearson X2	996	983.9763	0.9879
Log Likelihood		195.9667	
Full Log Likelihood		-1922.6061	
AIC (smaller is better)		3853.2122	
AICC (smaller is better)		3853.2524	
BIC (smaller is better)		3872.8432	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001085	-0.000582	-0.000559	-0.000253
Prm2	-0.000582	0.001436	-0.000025	0.0000203
Prm3	-0.000559	-0.000025	0.001430	-0.000128
Prm4	-0.000253	0.0000203	-0.000128	0.0003271

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1305	0.0329	1.0659	1.1951	1177.95	<.0001
A	1	0.0173	0.0379	-0.0569	0.0916	0.21	0.6474
M_bin	1	-0.0644	0.0378	-0.1385	0.0097	2.90	0.0887
C	1	-0.0415	0.0181	-0.0769	-0.0060	5.26	0.0219
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1046.5015	1.0507
Scaled Deviance	996	1046.5015	1.0507
Pearson Chi-Square	996	920.1496	0.9238
Scaled Pearson X2	996	920.1496	0.9238
Log Likelihood		334.8965	
Full Log Likelihood		-1913.7113	
AIC (smaller is better)		3835.4226	
AICC (smaller is better)		3835.4628	
BIC (smaller is better)		3855.0536	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001167	-0.000568	-0.000554	-0.000308
Prm2	-0.000568	0.001331	-0.000079	-9.946E-6
Prm3	-0.000554	-0.000079	0.001335	-0.000059
Prm4	-0.000308	-9.946E-6	-0.000059	0.0003454

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1627	0.0342	1.0957	1.2296	1158.20	<.0001
A	1	0.0001	0.0365	-0.0714	0.0716	0.00	0.9977
M_bin	1	-0.0296	0.0365	-0.1012	0.0420	0.66	0.4177
C	1	-0.0384	0.0186	-0.0748	-0.0019	4.26	0.0391
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	976.1447	0.9801
Scaled Deviance	996	976.1447	0.9801
Pearson Chi-Square	996	875.8835	0.8794
Scaled Pearson X2	996	875.8835	0.8794
Log Likelihood		211.4193	
Full Log Likelihood		-1865.9365	
AIC (smaller is better)		3739.8731	
AICC (smaller is better)		3739.9133	
BIC (smaller is better)		3759.5041	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001136	-0.000552	-0.000562	-0.000294
Prm2	-0.000552	0.001416	-0.000089	3.5489E-6
Prm3	-0.000562	-0.000089	0.001395	-0.000072
Prm4	-0.000294	3.5489E-6	-0.000072	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	1.1479	0.0337	1.0818	1.2140	1159.77	<.0001
A	1	0.0272	0.0376	-0.0465	0.1010	0.52	0.4696
M_bin	1	-0.0847	0.0373	-0.1579	-0.0115	5.14	0.0234
C	1	-0.0463	0.0181	-0.0819	-0.0107	6.52	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.DATA152
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1047.3673	1.0516
Scaled Deviance	996	1047.3673	1.0516
Pearson Chi-Square	996	942.0525	0.9458
Scaled Pearson X2	996	942.0525	0.9458
Log Likelihood		418.5475	
Full Log Likelihood		-1930.1386	
AIC (smaller is better)		3868.2772	
AICC (smaller is better)		3868.3174	
BIC (smaller is better)		3887.9083	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001060	-0.000563	-0.000513	-0.000261
Prm2	-0.000563	0.001322	-0.000076	0.0000342
Prm3	-0.000513	-0.000076	0.001326	-0.000100
Prm4	-0.000261	0.0000342	-0.000100	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	1.1970	0.0326	1.1331	1.2608	1351.11	<.0001
A	1	0.0326	0.0364	-0.0387	0.1038	0.80	0.3704
M_bin	1	-0.0594	0.0364	-0.1308	0.0119	2.66	0.1027
C	1	-0.0498	0.0176	-0.0843	-0.0153	8.00	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.DATA153
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	980.3759	0.9843
Scaled Deviance	996	980.3759	0.9843
Pearson Chi-Square	996	887.2575	0.8908
Scaled Pearson X2	996	887.2575	0.8908
Log Likelihood		235.1939	
Full Log Likelihood		-1874.9583	
AIC (smaller is better)		3757.9166	
AICC (smaller is better)		3757.9568	
BIC (smaller is better)		3777.5476	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001142	-0.000534	-0.000620	-0.000274
Prm2	-0.000534	0.001401	-0.000069	-0.000020
Prm3	-0.000620	-0.000069	0.001375	-0.000058
Prm4	-0.000274	-0.000020	-0.000058	0.0003279

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1210	0.0338	1.0547	1.1872	1100.76	<.0001
A	1	0.0065	0.0374	-0.0668	0.0799	0.03	0.8617
M_bin	1	-0.0122	0.0371	-0.0849	0.0604	0.11	0.7412
C	1	-0.0394	0.0181	-0.0749	-0.0039	4.74	0.0295
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1064.3360	1.0686
Scaled Deviance	996	1064.3360	1.0686
Pearson Chi-Square	996	944.5578	0.9484
Scaled Pearson X2	996	944.5578	0.9484
Log Likelihood		302.5358	
Full Log Likelihood		-1917.3133	
AIC (smaller is better)		3842.6265	
AICC (smaller is better)		3842.6667	
BIC (smaller is better)		3862.2576	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001099	-0.000529	-0.000539	-0.000291
Prm2	-0.000529	0.001385	-0.000100	0.0000136
Prm3	-0.000539	-0.000100	0.001369	-0.000104
Prm4	-0.000291	0.0000136	-0.000104	0.0003462

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1436	0.0331	1.0786	1.2086	1190.14	<.0001
A	1	-0.0286	0.0372	-0.1015	0.0444	0.59	0.4425
M_bin	1	-0.0297	0.0370	-0.1022	0.0428	0.64	0.4223
C	1	-0.0170	0.0186	-0.0534	0.0195	0.83	0.3619
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1060.9132	1.0652
Scaled Deviance	996	1060.9132	1.0652
Pearson Chi-Square	996	944.6813	0.9485
Scaled Pearson X2	996	944.6813	0.9485
Log Likelihood		291.4371	
Full Log Likelihood		-1911.7845	
AIC (smaller is better)		3831.5690	
AICC (smaller is better)		3831.6092	
BIC (smaller is better)		3851.2000	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001117	-0.000576	-0.000488	-0.000283
Prm2	-0.000576	0.001360	-0.000119	0.0000175
Prm3	-0.000488	-0.000119	0.001407	-0.000143
Prm4	-0.000283	0.0000175	-0.000143	0.0003442

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1261	0.0334	1.0606	1.1917	1134.90	<.0001
A	1	0.0849	0.0369	0.0126	0.1572	5.30	0.0213
M_bin	1	-0.0628	0.0375	-0.1363	0.0107	2.80	0.0942
C	1	-0.0364	0.0186	-0.0728	-0.0000	3.85	0.0497
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1053.4539	1.0577
Scaled Deviance	996	1053.4539	1.0577
Pearson Chi-Square	996	938.6887	0.9425
Scaled Pearson X2	996	938.6887	0.9425
Log Likelihood		236.2553	
Full Log Likelihood		-1901.1382	
AIC (smaller is better)		3810.2765	
AICC (smaller is better)		3810.3167	
BIC (smaller is better)		3829.9075	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001194	-0.000578	-0.000610	-0.000295
Prm2	-0.000578	0.001385	-0.000052	4.9371E-6
Prm3	-0.000610	-0.000052	0.001384	-0.000087
Prm4	-0.000295	4.9371E-6	-0.000087	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	1.1172	0.0346	1.0494	1.1849	1045.23	<.0001
A	1	-0.0077	0.0372	-0.0807	0.0652	0.04	0.8358
M_bin	1	-0.0083	0.0372	-0.0812	0.0646	0.05	0.8237
C	1	-0.0300	0.0186	-0.0665	0.0065	2.60	0.1070
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1030.2923	1.0344
Scaled Deviance	996	1030.2923	1.0344
Pearson Chi-Square	996	952.8849	0.9567
Scaled Pearson X2	996	952.8849	0.9567
Log Likelihood		334.5474	
Full Log Likelihood		-1914.7506	
AIC (smaller is better)		3837.5012	
AICC (smaller is better)		3837.5414	
BIC (smaller is better)		3857.1322	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001014	-0.000546	-0.000493	-0.000238
Prm2	-0.000546	0.001342	-0.000075	-0.000017
Prm3	-0.000493	-0.000075	0.001375	-0.000119
Prm4	-0.000238	-0.000017	-0.000119	0.0003343

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1453	0.0318	1.0829	1.2077	1294.33	<.0001
A	1	0.0391	0.0366	-0.0327	0.1109	1.14	0.2862
M_bin	1	-0.0621	0.0371	-0.1348	0.0106	2.80	0.0940
C	1	-0.0264	0.0183	-0.0622	0.0094	2.09	0.1487
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1024.6190	1.0287
Scaled Deviance	996	1024.6190	1.0287
Pearson Chi-Square	996	910.8769	0.9145
Scaled Pearson X2	996	910.8769	0.9145
Log Likelihood		299.5268	
Full Log Likelihood		-1901.3408	
AIC (smaller is better)		3810.6817	
AICC (smaller is better)		3810.7219	
BIC (smaller is better)		3830.3127	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001177	-0.000553	-0.000579	-0.000286
Prm2	-0.000553	0.001352	-0.000121	-8.679E-6
Prm3	-0.000579	-0.000121	0.001365	-0.000079
Prm4	-0.000286	-8.679E-6	-0.000079	0.0003325

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1282	0.0343	1.0610	1.1954	1081.75	<.0001
A	1	0.0445	0.0368	-0.0276	0.1165	1.46	0.2266
M_bin	1	-0.0393	0.0370	-0.1117	0.0331	1.13	0.2873
C	1	-0.0285	0.0182	-0.0642	0.0073	2.43	0.1187
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1052.7712	1.0570
Scaled Deviance	996	1052.7712	1.0570
Pearson Chi-Square	996	940.1121	0.9439
Scaled Pearson X2	996	940.1121	0.9439
Log Likelihood		257.2607	
Full Log Likelihood		-1903.3365	
AIC (smaller is better)		3814.6730	
AICC (smaller is better)		3814.7132	
BIC (smaller is better)		3834.3040	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001172	-0.000634	-0.000558	-0.000284
Prm2	-0.000634	0.001364	-0.000023	0.0000214
Prm3	-0.000558	-0.000023	0.001388	-0.000108
Prm4	-0.000284	0.0000214	-0.000108	0.0003393

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1346	0.0342	1.0675	1.2017	1098.22	<.0001
A	1	0.0551	0.0369	-0.0173	0.1275	2.23	0.1355
M_bin	1	-0.0184	0.0373	-0.0914	0.0547	0.24	0.6219
C	1	-0.0664	0.0184	-0.1025	-0.0303	13.00	0.0003
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1051.1898	1.0554
Scaled Deviance	996	1051.1898	1.0554
Pearson Chi-Square	996	933.1224	0.9369
Scaled Pearson X2	996	933.1224	0.9369
Log Likelihood		345.7987	
Full Log Likelihood		-1918.0479	
AIC (smaller is better)		3844.0958	
AICC (smaller is better)		3844.1360	
BIC (smaller is better)		3863.7269	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001058	-0.000494	-0.000550	-0.000249
Prm2	-0.000494	0.001365	-0.000173	-1.237E-6
Prm3	-0.000550	-0.000173	0.001367	-0.000094
Prm4	-0.000249	-1.237E-6	-0.000094	0.0003215

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1499	0.0325	1.0861	1.2136	1249.89	<.0001
A	1	0.0263	0.0369	-0.0461	0.0987	0.51	0.4770
M_bin	1	-0.0115	0.0370	-0.0840	0.0609	0.10	0.7549
C	1	-0.0446	0.0179	-0.0798	-0.0095	6.20	0.0128
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1052.5577	1.0568
Scaled Deviance	996	1052.5577	1.0568
Pearson Chi-Square	996	952.0298	0.9559
Scaled Pearson X2	996	952.0298	0.9559
Log Likelihood		213.8830	
Full Log Likelihood		-1897.6063	
AIC (smaller is better)		3803.2127	
AICC (smaller is better)		3803.2529	
BIC (smaller is better)		3822.8437	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001182	-0.0000598	-0.0000599	-0.0000278
Prm2	-0.0000598	0.001388	-0.0000085	0.00000170
Prm3	-0.0000599	-0.0000085	0.001402	-0.0000096
Prm4	-0.0000278	0.00000170	-0.0000096	0.0003438

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0984	0.0344	1.0310	1.1657	1020.79	<.0001
A	1	0.0183	0.0373	-0.0547	0.0913	0.24	0.6239
M_bin	1	0.0111	0.0374	-0.0623	0.0845	0.09	0.7664
C	1	-0.0420	0.0185	-0.0783	-0.0056	5.13	0.0236
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1095.2828	1.0997
Scaled Deviance	996	1095.2828	1.0997
Pearson Chi-Square	996	965.7817	0.9697
Scaled Pearson X2	996	965.7817	0.9697
Log Likelihood		206.7356	
Full Log Likelihood		-1910.0941	
AIC (smaller is better)		3828.1883	
AICC (smaller is better)		3828.2285	
BIC (smaller is better)		3847.8193	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001224	-0.000594	-0.000606	-0.000308
Prm2	-0.000594	0.001407	-0.000021	9.8364E-6
Prm3	-0.000606	-0.000021	0.001396	-0.000087
Prm4	-0.000308	9.8364E-6	-0.000087	0.0003325

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1056	0.0350	1.0370	1.1742	998.47	<.0001
A	1	0.0373	0.0375	-0.0363	0.1108	0.99	0.3205
M_bin	1	0.0009	0.0374	-0.0723	0.0742	0.00	0.9797
C	1	-0.0486	0.0182	-0.0843	-0.0128	7.09	0.0077
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1062.3350	1.0666
Scaled Deviance	996	1062.3350	1.0666
Pearson Chi-Square	996	937.9631	0.9417
Scaled Pearson X2	996	937.9631	0.9417
Log Likelihood		230.1280	
Full Log Likelihood		-1898.8029	
AIC (smaller is better)		3805.6058	
AICC (smaller is better)		3805.6460	
BIC (smaller is better)		3825.2369	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001248	-0.000615	-0.000583	-0.000330
Prm2	-0.000615	0.001377	-0.000047	0.0000107
Prm3	-0.000583	-0.000047	0.001382	-0.000076
Prm4	-0.000330	0.0000107	-0.000076	0.0003524

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1296	0.0353	1.0604	1.1989	1022.39	<.0001
A	1	0.0593	0.0371	-0.0134	0.1320	2.55	0.1100
M_bin	1	-0.0174	0.0372	-0.0902	0.0555	0.22	0.6404
C	1	-0.0677	0.0188	-0.1045	-0.0309	13.02	0.0003
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1067.5803	1.0719
Scaled Deviance	996	1067.5803	1.0719
Pearson Chi-Square	996	946.4142	0.9502
Scaled Pearson X2	996	946.4142	0.9502
Log Likelihood		299.3516	
Full Log Likelihood		-1918.4837	
AIC (smaller is better)		3844.9674	
AICC (smaller is better)		3845.0076	
BIC (smaller is better)		3864.5984	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001088	-0.000550	-0.000524	-0.000274
Prm2	-0.000550	0.001376	-0.000061	9.8722E-6
Prm3	-0.000524	-0.000061	0.001369	-0.000099
Prm4	-0.000274	9.8722E-6	-0.000099	0.0003119

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0970	0.0330	1.0323	1.1616	1106.45	<.0001
A	1	0.0196	0.0371	-0.0531	0.0923	0.28	0.5964
M_bin	1	-0.0153	0.0370	-0.0879	0.0572	0.17	0.6784
C	1	0.0019	0.0177	-0.0328	0.0365	0.01	0.9162
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	988.2478	0.9922
Scaled Deviance	996	988.2478	0.9922
Pearson Chi-Square	996	909.4765	0.9131
Scaled Pearson X2	996	909.4765	0.9131
Log Likelihood		313.9478	
Full Log Likelihood		-1893.1467	
AIC (smaller is better)		3794.2934	
AICC (smaller is better)		3794.3336	
BIC (smaller is better)		3813.9244	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001066	-0.000546	-0.000521	-0.000266
Prm2	-0.000546	0.001360	-0.000079	7.2653E-7
Prm3	-0.000521	-0.000079	0.001370	-0.000108
Prm4	-0.000266	7.2653E-7	-0.000108	0.0003386

The 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	0.0326	1.0963	1.2243	1263.38	<.0001
A	1	0.0263	0.0369	-0.0460	0.0986	0.51	0.4752
M_bin	1	-0.0506	0.0370	-0.1231	0.0220	1.87	0.1718
C	1	-0.0459	0.0184	-0.0820	-0.0098	6.22	0.0126
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1070.2494	1.0745
Scaled Deviance	996	1070.2494	1.0745
Pearson Chi-Square	996	991.2353	0.9952
Scaled Pearson X2	996	991.2353	0.9952
Log Likelihood		225.0482	
Full Log Likelihood		-1908.8030	
AIC (smaller is better)		3825.6060	
AICC (smaller is better)		3825.6462	
BIC (smaller is better)		3845.2371	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001060	-0.000552	-0.000533	-0.000264
Prm2	-0.000552	0.001419	-0.000049	9.266E-7
Prm3	-0.000533	-0.000049	0.001405	-0.000098
Prm4	-0.000264	9.266E-7	-0.000098	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	1.1094	0.0326	1.0456	1.1733	1160.74	<.0001
A	1	0.0247	0.0377	-0.0491	0.0985	0.43	0.5118
M_bin	1	0.0126	0.0375	-0.0608	0.0861	0.11	0.7359
C	1	-0.0508	0.0180	-0.0861	-0.0156	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.DATA167
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1074.5156	1.0788
Scaled Deviance	996	1074.5156	1.0788
Pearson Chi-Square	996	947.0798	0.9509
Scaled Pearson X2	996	947.0798	0.9509
Log Likelihood		183.9106	
Full Log Likelihood		-1894.5645	
AIC (smaller is better)		3797.1289	
AICC (smaller is better)		3797.1691	
BIC (smaller is better)		3816.7600	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001286	-0.000601	-0.000684	-0.000284
Prm2	-0.000601	0.001398	-0.000052	-3.313E-6
Prm3	-0.000684	-0.000052	0.001430	-0.000091
Prm4	-0.000284	-3.313E-6	-0.000091	0.0003351

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0268	0.0359	0.9565	1.0970	819.91	<.0001
A	1	0.0547	0.0374	-0.0186	0.1279	2.14	0.1438
M_bin	1	0.0920	0.0378	0.0179	0.1661	5.92	0.0150
C	1	-0.0391	0.0183	-0.0750	-0.0032	4.56	0.0327
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1056.0808	1.0603
Scaled Deviance	996	1056.0808	1.0603
Pearson Chi-Square	996	938.9638	0.9427
Scaled Pearson X2	996	938.9638	0.9427
Log Likelihood		300.7250	
Full Log Likelihood		-1911.6266	
AIC (smaller is better)		3831.2532	
AICC (smaller is better)		3831.2934	
BIC (smaller is better)		3850.8842	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001177	-0.000625	-0.000556	-0.000296
Prm2	-0.000625	0.001364	-0.000085	0.0000621
Prm3	-0.000556	-0.000085	0.001366	-0.000100
Prm4	-0.000296	0.0000621	-0.000100	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	1.1259	0.0343	1.0587	1.1932	1076.71	<.0001
A	1	0.0390	0.0369	-0.0334	0.1114	1.11	0.2912
M_bin	1	-0.0018	0.0370	-0.0742	0.0707	0.00	0.9620
C	1	-0.0438	0.0182	-0.0795	-0.0081	5.79	0.0161
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1135.8655	1.1404
Scaled Deviance	996	1135.8655	1.1404
Pearson Chi-Square	996	1004.4292	1.0085
Scaled Pearson X2	996	1004.4292	1.0085
Log Likelihood		263.8679	
Full Log Likelihood		-1935.8930	
AIC (smaller is better)		3879.7860	
AICC (smaller is better)		3879.8262	
BIC (smaller is better)		3899.4170	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001105	-0.0000586	-0.0000537	-0.0000272
Prm2	-0.0000586	0.001370	-0.0000063	0.00000122
Prm3	-0.0000537	-0.0000063	0.001384	-0.000100
Prm4	-0.0000272	0.00000122	-0.000100	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	1.1432	0.0332	1.0780	1.2083	1182.45	<.0001
A	1	0.0363	0.0370	-0.0362	0.1089	0.96	0.3263
M_bin	1	-0.0777	0.0372	-0.1506	-0.0047	4.36	0.0369
C	1	-0.0357	0.0183	-0.0716	0.0002	3.79	0.0515
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1056.5243	1.0608
Scaled Deviance	996	1056.5243	1.0608
Pearson Chi-Square	996	948.6485	0.9525
Scaled Pearson X2	996	948.6485	0.9525
Log Likelihood		200.8057	
Full Log Likelihood		-1893.8003	
AIC (smaller is better)		3795.6006	
AICC (smaller is better)		3795.6408	
BIC (smaller is better)		3815.2316	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001147	-0.000633	-0.000569	-0.000288
Prm2	-0.000633	0.001401	-4.069E-6	0.0000238
Prm3	-0.000569	-4.069E-6	0.001404	-0.000073
Prm4	-0.000288	0.0000238	-0.000073	0.0003352

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1357	0.0339	1.0693	1.2021	1124.79	<.0001
A	1	0.0327	0.0374	-0.0407	0.1060	0.76	0.3826
M_bin	1	-0.0503	0.0375	-0.1238	0.0231	1.80	0.1793
C	1	-0.0625	0.0183	-0.0984	-0.0266	11.66	0.0006
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1015.2083	1.0193
Scaled Deviance	996	1015.2083	1.0193
Pearson Chi-Square	996	884.5232	0.8881
Scaled Pearson X2	996	884.5232	0.8881
Log Likelihood		144.0132	
Full Log Likelihood		-1862.6364	
AIC (smaller is better)		3733.2729	
AICC (smaller is better)		3733.3131	
BIC (smaller is better)		3752.9039	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001250	-0.000639	-0.000624	-0.000289
Prm2	-0.000639	0.001421	-0.000019	0.0000137
Prm3	-0.000624	-0.000019	0.001448	-0.000120
Prm4	-0.000289	0.0000137	-0.000120	0.0003450

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1277	0.0353	1.0584	1.1970	1017.72	<.0001
A	1	0.0420	0.0377	-0.0318	0.1159	1.24	0.2648
M_bin	1	-0.0438	0.0381	-0.1184	0.0308	1.33	0.2495
C	1	-0.0733	0.0186	-0.1097	-0.0369	15.56	<.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.DATA172
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1120.0382	1.1245
Scaled Deviance	996	1120.0382	1.1245
Pearson Chi-Square	996	1011.4406	1.0155
Scaled Pearson X2	996	1011.4406	1.0155
Log Likelihood		301.6826	
Full Log Likelihood		-1937.3519	
AIC (smaller is better)		3882.7038	
AICC (smaller is better)		3882.7440	
BIC (smaller is better)		3902.3348	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001084	-0.000537	-0.000514	-0.000281
Prm2	-0.000537	0.001378	-0.000098	9.4025E-6
Prm3	-0.000514	-0.000098	0.001378	-0.000110
Prm4	-0.000281	9.4025E-6	-0.000110	0.0003325

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1330	0.0329	1.0685	1.1976	1183.83	<.0001
A	1	0.0743	0.0371	0.0015	0.1470	4.00	0.0454
M_bin	1	-0.0443	0.0371	-0.1170	0.0285	1.42	0.2330
C	1	-0.0424	0.0182	-0.0782	-0.0067	5.41	0.0200
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1118.6516	1.1231
Scaled Deviance	996	1118.6516	1.1231
Pearson Chi-Square	996	996.0071	1.0000
Scaled Pearson X2	996	996.0071	1.0000
Log Likelihood		113.5121	
Full Log Likelihood		-1897.8189	
AIC (smaller is better)		3803.6379	
AICC (smaller is better)		3803.6781	
BIC (smaller is better)		3823.2689	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001162	-0.000600	-0.000536	-0.000275
Prm2	-0.000600	0.001445	-0.000130	0.0000223
Prm3	-0.000536	-0.000130	0.001509	-0.000171
Prm4	-0.000275	0.0000223	-0.000171	0.0003562

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0998	0.0341	1.0329	1.1666	1040.49	<.0001
A	1	0.0514	0.0380	-0.0231	0.1259	1.83	0.1766
M_bin	1	-0.0815	0.0388	-0.1577	-0.0054	4.41	0.0358
C	1	-0.0419	0.0189	-0.0789	-0.0049	4.93	0.0264
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1055.5328	1.0598
Scaled Deviance	996	1055.5328	1.0598
Pearson Chi-Square	996	928.2149	0.9319
Scaled Pearson X2	996	928.2149	0.9319
Log Likelihood		204.3877	
Full Log Likelihood		-1892.9601	
AIC (smaller is better)		3793.9201	
AICC (smaller is better)		3793.9603	
BIC (smaller is better)		3813.5511	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001241	-0.000590	-0.000625	-0.000286
Prm2	-0.000590	0.001399	-0.000084	0.0000205
Prm3	-0.000625	-0.000084	0.001441	-0.000129
Prm4	-0.000286	0.0000205	-0.000129	0.0003382

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1101	0.0352	1.0410	1.1791	992.96	<.0001
A	1	0.0444	0.0374	-0.0289	0.1177	1.41	0.2354
M_bin	1	-0.0327	0.0380	-0.1071	0.0417	0.74	0.3892
C	1	-0.0403	0.0184	-0.0763	-0.0043	4.80	0.0284
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1028.6581	1.0328
Scaled Deviance	996	1028.6581	1.0328
Pearson Chi-Square	996	917.0558	0.9207
Scaled Pearson X2	996	917.0558	0.9207
Log Likelihood		346.9625	
Full Log Likelihood		-1909.6185	
AIC (smaller is better)		3827.2370	
AICC (smaller is better)		3827.2772	
BIC (smaller is better)		3846.8680	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001105	-0.000524	-0.000545	-0.000261
Prm2	-0.000524	0.001356	-0.000103	7.2584E-6
Prm3	-0.000545	-0.000103	0.001379	-0.000131
Prm4	-0.000261	7.2584E-6	-0.000131	0.0003175

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1636	0.0332	1.0984	1.2287	1225.56	<.0001
A	1	0.0139	0.0368	-0.0583	0.0860	0.14	0.7068
M_bin	1	-0.0202	0.0371	-0.0930	0.0526	0.30	0.5864
C	1	-0.0435	0.0178	-0.0784	-0.0086	5.95	0.0147
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1145.1282	1.1497
Scaled Deviance	996	1145.1282	1.1497
Pearson Chi-Square	996	1023.0119	1.0271
Scaled Pearson X2	996	1023.0119	1.0271
Log Likelihood		278.0238	
Full Log Likelihood		-1941.4022	
AIC (smaller is better)		3890.8045	
AICC (smaller is better)		3890.8447	
BIC (smaller is better)		3910.4355	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001112	-0.000576	-0.000571	-0.000255
Prm2	-0.000576	0.001379	-8.874E-6	1.3828E-6
Prm3	-0.000571	-8.874E-6	0.001392	-0.000126
Prm4	-0.000255	1.3828E-6	-0.000126	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	1.1898	0.0333	1.1244	1.2551	1273.08	<.0001
A	1	-0.0417	0.0371	-0.1145	0.0311	1.26	0.2617
M_bin	1	-0.0468	0.0373	-0.1199	0.0264	1.57	0.2100
C	1	-0.0571	0.0181	-0.0925	-0.0216	9.97	0.0016
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1135.5357	1.1401
Scaled Deviance	996	1135.5357	1.1401
Pearson Chi-Square	996	1022.3747	1.0265
Scaled Pearson X2	996	1022.3747	1.0265
Log Likelihood		289.2370	
Full Log Likelihood		-1944.7146	
AIC (smaller is better)		3897.4293	
AICC (smaller is better)		3897.4695	
BIC (smaller is better)		3917.0603	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001096	-0.000548	-0.000508	-0.000263
Prm2	-0.000548	0.001371	-0.000086	4.2924E-6
Prm3	-0.000508	-0.000086	0.001396	-0.000127
Prm4	-0.000263	4.2924E-6	-0.000127	0.0003033

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0839	0.0331	1.0190	1.1488	1072.18	<.0001
A	1	0.0528	0.0370	-0.0197	0.1254	2.04	0.1536
M_bin	1	-0.0134	0.0374	-0.0866	0.0599	0.13	0.7204
C	1	-0.0031	0.0174	-0.0372	0.0310	0.03	0.8588
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1142.6762	1.1473
Scaled Deviance	996	1142.6762	1.1473
Pearson Chi-Square	996	1000.2573	1.0043
Scaled Pearson X2	996	1000.2573	1.0043
Log Likelihood		284.6318	
Full Log Likelihood		-1939.2050	
AIC (smaller is better)		3886.4099	
AICC (smaller is better)		3886.4501	
BIC (smaller is better)		3906.0410	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001108	-0.000583	-0.000498	-0.000299
Prm2	-0.000583	0.001373	-0.000149	0.0000432
Prm3	-0.000498	-0.000149	0.001385	-0.000103
Prm4	-0.000299	0.0000432	-0.000103	0.0003578

The 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	0.0333	1.0615	1.1920	1146.24	<.0001
A	1	0.0416	0.0371	-0.0310	0.1142	1.26	0.2617
M_bin	1	-0.0431	0.0372	-0.1161	0.0298	1.34	0.2467
C	1	-0.0321	0.0189	-0.0692	0.0050	2.88	0.0899
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1107.4592	1.1119
Scaled Deviance	996	1107.4592	1.1119
Pearson Chi-Square	996	990.0059	0.9940
Scaled Pearson X2	996	990.0059	0.9940
Log Likelihood		212.2682	
Full Log Likelihood		-1915.7125	
AIC (smaller is better)		3839.4249	
AICC (smaller is better)		3839.4651	
BIC (smaller is better)		3859.0560	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001205	-0.0000594	-0.0000607	-0.0000275
Prm2	-0.0000594	0.001386	-0.0000070	2.7473E-6
Prm3	-0.0000607	-0.0000070	0.001400	-0.0000087
Prm4	-0.0000275	2.7473E-6	-0.0000087	0.0003152

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0570	0.0347	0.9890	1.1250	927.23	<.0001
A	1	0.0813	0.0372	0.0083	0.1542	4.77	0.0290
M_bin	1	0.0044	0.0374	-0.0689	0.0778	0.01	0.9054
C	1	-0.0232	0.0178	-0.0580	0.0116	1.70	0.1917
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1124.8109	1.1293
Scaled Deviance	996	1124.8109	1.1293
Pearson Chi-Square	996	992.5160	0.9965
Scaled Pearson X2	996	992.5160	0.9965
Log Likelihood		224.5027	
Full Log Likelihood		-1922.3205	
AIC (smaller is better)		3852.6411	
AICC (smaller is better)		3852.6813	
BIC (smaller is better)		3872.2721	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001136	-0.000524	-0.000546	-0.000306
Prm2	-0.000524	0.001437	-0.000167	0.0000256
Prm3	-0.000546	-0.000167	0.001408	-0.000090
Prm4	-0.000306	0.0000256	-0.000090	0.0003371

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1659	0.0337	1.0998	1.2319	1196.16	<.0001
A	1	-0.0353	0.0379	-0.1096	0.0390	0.87	0.3522
M_bin	1	-0.0432	0.0375	-0.1167	0.0303	1.32	0.2497
C	1	-0.0528	0.0184	-0.0888	-0.0168	8.26	0.0040
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1113.7495	1.1182
Scaled Deviance	996	1113.7495	1.1182
Pearson Chi-Square	996	980.6704	0.9846
Scaled Pearson X2	996	980.6704	0.9846
Log Likelihood		341.9703	
Full Log Likelihood		-1940.0124	
AIC (smaller is better)		3888.0248	
AICC (smaller is better)		3888.0650	
BIC (smaller is better)		3907.6559	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001204	-0.000612	-0.000601	-0.000291
Prm2	-0.000612	0.001354	-0.000042	0.0000521
Prm3	-0.000601	-0.000042	0.001339	-0.000076
Prm4	-0.000291	0.0000521	-0.000076	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	1.1818	0.0347	1.1137	1.2498	1159.46	<.0001
A	1	-0.0023	0.0368	-0.0745	0.0698	0.00	0.9492
M_bin	1	-0.0513	0.0366	-0.1230	0.0205	1.96	0.1612
C	1	-0.0403	0.0173	-0.0743	-0.0064	5.42	0.0199
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1112.6492	1.1171
Scaled Deviance	996	1112.6492	1.1171
Pearson Chi-Square	996	989.7602	0.9937
Scaled Pearson X2	996	989.7602	0.9937
Log Likelihood		352.2147	
Full Log Likelihood		-1942.9282	
AIC (smaller is better)		3893.8565	
AICC (smaller is better)		3893.8967	
BIC (smaller is better)		3913.4875	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001103	-0.000545	-0.000558	-0.000272
Prm2	-0.000545	0.001357	-0.000025	1.8897E-7
Prm3	-0.000558	-0.000025	0.001349	-0.000108
Prm4	-0.000272	1.8897E-7	-0.000108	0.0003279

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1672	0.0332	1.1021	1.2322	1235.16	<.0001
A	1	0.0325	0.0368	-0.0397	0.1047	0.78	0.3781
M_bin	1	-0.0213	0.0367	-0.0933	0.0507	0.34	0.5625
C	1	-0.0544	0.0181	-0.0899	-0.0190	9.04	0.0026
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1103.8351	1.1083
Scaled Deviance	996	1103.8351	1.1083
Pearson Chi-Square	996	983.5559	0.9875
Scaled Pearson X2	996	983.5559	0.9875
Log Likelihood		319.3371	
Full Log Likelihood		-1929.9450	
AIC (smaller is better)		3867.8900	
AICC (smaller is better)		3867.9302	
BIC (smaller is better)		3887.5210	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001101	-0.000606	-0.000572	-0.000252
Prm2	-0.000606	0.001358	-4.918E-6	0.0000282
Prm3	-0.000572	-4.918E-6	0.001363	-0.000104
Prm4	-0.000252	0.0000282	-0.000104	0.0003201

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1915	0.0332	1.1264	1.2565	1289.36	<.0001
A	1	0.0398	0.0369	-0.0324	0.1121	1.17	0.2796
M_bin	1	-0.1050	0.0369	-0.1774	-0.0327	8.10	0.0044
C	1	-0.0562	0.0179	-0.0912	-0.0211	9.86	0.0017
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1012.6455	1.0167
Scaled Deviance	996	1012.6455	1.0167
Pearson Chi-Square	996	924.3093	0.9280
Scaled Pearson X2	996	924.3093	0.9280
Log Likelihood		238.8277	
Full Log Likelihood		-1886.9084	
AIC (smaller is better)		3781.8169	
AICC (smaller is better)		3781.8571	
BIC (smaller is better)		3801.4479	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001071	-0.000542	-0.000541	-0.000245
Prm2	-0.000542	0.001400	-0.000048	-0.000023
Prm3	-0.000541	-0.000048	0.001417	-0.000132
Prm4	-0.000245	-0.000023	-0.000132	0.0003256

The 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	0.0327	1.0498	1.1781	1158.66	<.0001
A	1	0.0812	0.0374	0.0079	0.1545	4.71	0.0300
M_bin	1	-0.0332	0.0376	-0.1069	0.0406	0.78	0.3784
C	1	-0.0518	0.0180	-0.0871	-0.0164	8.24	0.0041
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1032.3459	1.0365
Scaled Deviance	996	1032.3459	1.0365
Pearson Chi-Square	996	933.9824	0.9377
Scaled Pearson X2	996	933.9824	0.9377
Log Likelihood		289.0917	
Full Log Likelihood		-1902.8824	
AIC (smaller is better)		3813.7649	
AICC (smaller is better)		3813.8051	
BIC (smaller is better)		3833.3959	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001189	-0.000644	-0.000566	-0.000294
Prm2	-0.000644	0.001373	-7.513E-6	0.0000566
Prm3	-0.000566	-7.513E-6	0.001400	-0.000146
Prm4	-0.000294	0.0000566	-0.000146	0.0003516

The 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	0.0345	1.0810	1.2162	1109.57	<.0001
A	1	0.0242	0.0371	-0.0484	0.0968	0.43	0.5138
M_bin	1	-0.0160	0.0374	-0.0893	0.0573	0.18	0.6687
C	1	-0.0553	0.0188	-0.0920	-0.0185	8.68	0.0032
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1139.2640	1.1438
Scaled Deviance	996	1139.2640	1.1438
Pearson Chi-Square	996	1012.3934	1.0165
Scaled Pearson X2	996	1012.3934	1.0165
Log Likelihood		245.6323	
Full Log Likelihood		-1933.2765	
AIC (smaller is better)		3874.5529	
AICC (smaller is better)		3874.5931	
BIC (smaller is better)		3894.1839	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001073	-0.000567	-0.000531	-0.000266
Prm2	-0.000567	0.001379	-0.000076	-0.000011
Prm3	-0.000531	-0.000076	0.001391	-0.000087
Prm4	-0.000266	-0.000011	-0.000087	0.0003484

The 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	0.0328	1.0853	1.2137	1230.98	<.0001
A	1	0.0088	0.0371	-0.0640	0.0816	0.06	0.8122
M_bin	1	-0.0302	0.0373	-0.1033	0.0429	0.66	0.4182
C	1	-0.0629	0.0187	-0.0995	-0.0263	11.36	0.0007
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1030.9447	1.0351
Scaled Deviance	996	1030.9447	1.0351
Pearson Chi-Square	996	918.5223	0.9222
Scaled Pearson X2	996	918.5223	0.9222
Log Likelihood		309.2083	
Full Log Likelihood		-1902.3675	
AIC (smaller is better)		3812.7350	
AICC (smaller is better)		3812.7752	
BIC (smaller is better)		3832.3660	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001133	-0.000569	-0.000565	-0.000274
Prm2	-0.000569	0.001353	-0.000049	1.465E-6
Prm3	-0.000565	-0.000049	0.001351	-0.000078
Prm4	-0.000274	1.465E-6	-0.000078	0.0003106

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1637	0.0337	1.0978	1.2297	1194.92	<.0001
A	1	0.0212	0.0368	-0.0509	0.0933	0.33	0.5649
M_bin	1	-0.0826	0.0368	-0.1546	-0.0105	5.04	0.0247
C	1	-0.0296	0.0176	-0.0641	0.0050	2.81	0.0935
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1079.2983	1.0836
Scaled Deviance	996	1079.2983	1.0836
Pearson Chi-Square	996	977.5918	0.9815
Scaled Pearson X2	996	977.5918	0.9815
Log Likelihood		273.7169	
Full Log Likelihood		-1916.4139	
AIC (smaller is better)		3840.8278	
AICC (smaller is better)		3840.8680	
BIC (smaller is better)		3860.4588	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001179	-0.000570	-0.000570	-0.000292
Prm2	-0.000570	0.001362	-0.000067	-0.000015
Prm3	-0.000570	-0.000067	0.001363	-0.000065
Prm4	-0.000292	-0.000015	-0.000065	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	1.1675	0.0343	1.1002	1.2348	1155.82	<.0001
A	1	0.0488	0.0369	-0.0235	0.1211	1.75	0.1862
M_bin	1	-0.0923	0.0369	-0.1647	-0.0200	6.25	0.0124
C	1	-0.0501	0.0178	-0.0849	-0.0152	7.94	0.0048
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1157.3382	1.1620
Scaled Deviance	996	1157.3382	1.1620
Pearson Chi-Square	996	1028.3878	1.0325
Scaled Pearson X2	996	1028.3878	1.0325
Log Likelihood		398.2090	
Full Log Likelihood		-1966.9706	
AIC (smaller is better)		3941.9411	
AICC (smaller is better)		3941.9813	
BIC (smaller is better)		3961.5721	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.0009978	-0.000512	-0.000454	-0.000249
Prm2	-0.000512	0.001342	-0.000170	0.0000144
Prm3	-0.000454	-0.000170	0.001368	-0.000122
Prm4	-0.000249	0.0000144	-0.000122	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	1.1978	0.0316	1.1359	1.2597	1438.00	<.0001
A	1	0.0242	0.0366	-0.0477	0.0960	0.43	0.5096
M_bin	1	-0.0986	0.0370	-0.1711	-0.0261	7.10	0.0077
C	1	-0.0341	0.0177	-0.0687	0.0005	3.73	0.0535
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1042.5783	1.0468
Scaled Deviance	996	1042.5783	1.0468
Pearson Chi-Square	996	931.2403	0.9350
Scaled Pearson X2	996	931.2403	0.9350
Log Likelihood		237.0584	
Full Log Likelihood		-1896.1875	
AIC (smaller is better)		3800.3751	
AICC (smaller is better)		3800.4153	
BIC (smaller is better)		3820.0061	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001098	-0.000550	-0.000535	-0.000276
Prm2	-0.000550	0.001415	-0.000122	0.0000291
Prm3	-0.000535	-0.000122	0.001406	-0.000111
Prm4	-0.000276	0.0000291	-0.000111	0.0003281

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1332	0.0331	1.0682	1.1981	1169.39	<.0001
A	1	0.0028	0.0376	-0.0709	0.0765	0.01	0.9412
M_bin	1	-0.0262	0.0375	-0.0997	0.0473	0.49	0.4841
C	1	-0.0420	0.0181	-0.0776	-0.0065	5.39	0.0203
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1013.5677	1.0176
Scaled Deviance	996	1013.5677	1.0176
Pearson Chi-Square	996	913.0194	0.9167
Scaled Pearson X2	996	913.0194	0.9167
Log Likelihood		322.8917	
Full Log Likelihood		-1900.6261	
AIC (smaller is better)		3809.2521	
AICC (smaller is better)		3809.2923	
BIC (smaller is better)		3828.8831	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001088	-0.000567	-0.000540	-0.000258
Prm2	-0.000567	0.001356	-0.000014	-5.304E-7
Prm3	-0.000540	-0.000014	0.001369	-0.000118
Prm4	-0.000258	-5.304E-7	-0.000118	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	1.1333	0.0330	1.0687	1.1979	1180.97	<.0001
A	1	0.0524	0.0368	-0.0198	0.1245	2.02	0.1550
M_bin	1	-0.0194	0.0370	-0.0919	0.0531	0.27	0.6004
C	1	-0.0397	0.0179	-0.0747	-0.0047	4.94	0.0263
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1065.7257	1.0700
Scaled Deviance	996	1065.7257	1.0700
Pearson Chi-Square	996	965.7727	0.9697
Scaled Pearson X2	996	965.7727	0.9697
Log Likelihood		354.1650	
Full Log Likelihood		-1927.4394	
AIC (smaller is better)		3862.8789	
AICC (smaller is better)		3862.9191	
BIC (smaller is better)		3882.5099	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001228	-0.000605	-0.000558	-0.000315
Prm2	-0.000605	0.001324	-0.000077	0.0000263
Prm3	-0.000558	-0.000077	0.001337	-0.000084
Prm4	-0.000315	0.0000263	-0.000084	0.0003249

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1210	0.0350	1.0523	1.1897	1023.23	<.0001
A	1	0.0689	0.0364	-0.0024	0.1403	3.59	0.0581
M_bin	1	-0.0526	0.0366	-0.1243	0.0190	2.07	0.1499
C	1	-0.0095	0.0180	-0.0449	0.0258	0.28	0.5963
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	976.3358	0.9803
Scaled Deviance	996	976.3358	0.9803
Pearson Chi-Square	996	878.0436	0.8816
Scaled Pearson X2	996	878.0436	0.8816
Log Likelihood		263.2199	
Full Log Likelihood		-1876.6810	
AIC (smaller is better)		3761.3620	
AICC (smaller is better)		3761.4022	
BIC (smaller is better)		3780.9930	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001124	-0.000559	-0.000507	-0.000296
Prm2	-0.000559	0.001382	-0.000131	0.0000158
Prm3	-0.000507	-0.000131	0.001392	-0.000099
Prm4	-0.000296	0.0000158	-0.000099	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	1.1402	0.0335	1.0745	1.2059	1156.61	<.0001
A	1	0.0322	0.0372	-0.0407	0.1050	0.75	0.3869
M_bin	1	-0.0399	0.0373	-0.1130	0.0332	1.14	0.2848
C	1	-0.0459	0.0182	-0.0815	-0.0102	6.34	0.0118
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1064.2511	1.0685
Scaled Deviance	996	1064.2511	1.0685
Pearson Chi-Square	996	958.6649	0.9625
Scaled Pearson X2	996	958.6649	0.9625
Log Likelihood		274.2313	
Full Log Likelihood		-1910.6767	
AIC (smaller is better)		3829.3535	
AICC (smaller is better)		3829.3937	
BIC (smaller is better)		3848.9845	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001092	-0.000577	-0.000500	-0.000288
Prm2	-0.000577	0.001383	-0.000076	0.0000279
Prm3	-0.000500	-0.000076	0.001398	-0.000122
Prm4	-0.000288	0.0000279	-0.000122	0.0003430

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1635	0.0330	1.0987	1.2282	1239.60	<.0001
A	1	-0.0141	0.0372	-0.0870	0.0588	0.14	0.7054
M_bin	1	-0.0000	0.0374	-0.0733	0.0733	0.00	0.9995
C	1	-0.0673	0.0185	-0.1036	-0.0310	13.19	0.0003
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1114.3608	1.1188
Scaled Deviance	996	1114.3608	1.1188
Pearson Chi-Square	996	985.7536	0.9897
Scaled Pearson X2	996	985.7536	0.9897
Log Likelihood		266.7189	
Full Log Likelihood		-1928.6670	
AIC (smaller is better)		3865.3340	
AICC (smaller is better)		3865.3742	
BIC (smaller is better)		3884.9650	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001145	-0.000538	-0.000570	-0.000307
Prm2	-0.000538	0.001414	-0.000072	0.0000164
Prm3	-0.000570	-0.000072	0.001364	-0.000069
Prm4	-0.000307	0.0000164	-0.000069	0.0003234

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1285	0.0338	1.0622	1.1948	1112.68	<.0001
A	1	-0.0033	0.0376	-0.0770	0.0704	0.01	0.9305
M_bin	1	-0.0140	0.0369	-0.0864	0.0584	0.14	0.7040
C	1	-0.0296	0.0180	-0.0649	0.0056	2.71	0.0994
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1047.0607	1.0513
Scaled Deviance	996	1047.0607	1.0513
Pearson Chi-Square	996	927.8728	0.9316
Scaled Pearson X2	996	927.8728	0.9316
Log Likelihood		319.2969	
Full Log Likelihood		-1910.4209	
AIC (smaller is better)		3828.8418	
AICC (smaller is better)		3828.8820	
BIC (smaller is better)		3848.4728	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001079	-0.000564	-0.000539	-0.000248
Prm2	-0.000564	0.001352	-0.000064	6.9714E-6
Prm3	-0.000539	-0.000064	0.001372	-0.000116
Prm4	-0.000248	6.9714E-6	-0.000116	0.0003174

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1744	0.0328	1.1100	1.2388	1278.81	<.0001
A	1	0.0070	0.0368	-0.0651	0.0790	0.04	0.8498
M_bin	1	-0.0438	0.0370	-0.1164	0.0288	1.40	0.2367
C	1	-0.0525	0.0178	-0.0874	-0.0176	8.69	0.0032
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1004.3089	1.0083
Scaled Deviance	996	1004.3089	1.0083
Pearson Chi-Square	996	890.3972	0.8940
Scaled Pearson X2	996	890.3972	0.8940
Log Likelihood		152.0036	
Full Log Likelihood		-1865.8262	
AIC (smaller is better)		3739.6523	
AICC (smaller is better)		3739.6925	
BIC (smaller is better)		3759.2834	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001212	-0.000606	-0.000584	-0.000321
Prm2	-0.000606	0.001461	-0.000063	0.0000481
Prm3	-0.000584	-0.000063	0.001425	-0.000095
Prm4	-0.000321	0.0000481	-0.000095	0.0003394

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1047	0.0348	1.0365	1.1729	1006.74	<.0001
A	1	-0.0165	0.0382	-0.0914	0.0584	0.19	0.6653
M_bin	1	-0.0096	0.0377	-0.0836	0.0644	0.07	0.7986
C	1	-0.0391	0.0184	-0.0752	-0.0030	4.51	0.0338
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1022.4563	1.0266
Scaled Deviance	996	1022.4563	1.0266
Pearson Chi-Square	996	919.0376	0.9227
Scaled Pearson X2	996	919.0376	0.9227
Log Likelihood		224.6924	
Full Log Likelihood		-1888.8340	
AIC (smaller is better)		3785.6680	
AICC (smaller is better)		3785.7082	
BIC (smaller is better)		3805.2990	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001074	-0.000482	-0.000510	-0.000289
Prm2	-0.000482	0.001432	-0.000148	-0.000030
Prm3	-0.000510	-0.000148	0.001414	-0.000103
Prm4	-0.000289	-0.000030	-0.000103	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	1.0962	0.0328	1.0320	1.1605	1118.76	<.0001
A	1	0.0084	0.0378	-0.0657	0.0826	0.05	0.8236
M_bin	1	-0.0062	0.0376	-0.0799	0.0676	0.03	0.8700
C	1	-0.0198	0.0185	-0.0562	0.0166	1.14	0.2859
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1075.5981	1.0799
Scaled Deviance	996	1075.5981	1.0799
Pearson Chi-Square	996	941.6230	0.9454
Scaled Pearson X2	996	941.6230	0.9454
Log Likelihood		319.6970	
Full Log Likelihood		-1920.2389	
AIC (smaller is better)		3848.4779	
AICC (smaller is better)		3848.5181	
BIC (smaller is better)		3868.1089	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001211	-0.000650	-0.000616	-0.000277
Prm2	-0.000650	0.001334	0.0000435	8.6492E-6
Prm3	-0.000616	0.0000435	0.001345	-0.000076
Prm4	-0.000277	8.6492E-6	-0.000076	0.0003199

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1324	0.0348	1.0642	1.2006	1059.34	<.0001
A	1	0.0393	0.0365	-0.0323	0.1109	1.16	0.2821
M_bin	1	0.0005	0.0367	-0.0714	0.0724	0.00	0.9891
C	1	-0.0463	0.0179	-0.0814	-0.0112	6.70	0.0096
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1047.2240	1.0514
Scaled Deviance	996	1047.2240	1.0514
Pearson Chi-Square	996	920.1037	0.9238
Scaled Pearson X2	996	920.1037	0.9238
Log Likelihood		262.3351	
Full Log Likelihood		-1901.2810	
AIC (smaller is better)		3810.5620	
AICC (smaller is better)		3810.6022	
BIC (smaller is better)		3830.1930	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.001186	-0.000556	-0.000598	-0.000306
Prm2	-0.000556	0.001381	-0.000058	-3.323E-6
Prm3	-0.000598	-0.000058	0.001365	-0.000069
Prm4	-0.000306	-3.323E-6	-0.000069	0.0003402

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1339	0.0344	1.0664	1.2014	1084.39	<.0001
A	1	-0.0503	0.0372	-0.1231	0.0225	1.83	0.1757
M_bin	1	0.0347	0.0370	-0.0377	0.1072	0.88	0.3470
C	1	-0.0413	0.0184	-0.0775	-0.0052	5.02	0.0250
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_noint

Number of Observations Read	100000
Number of Observations Used	100000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	1E5	106446.7978	1.0645
Scaled Deviance	1E5	106446.7978	1.0645
Pearson Chi-Square	1E5	94729.1187	0.9473
Scaled Pearson X2	1E5	94729.1187	0.9473
Log Likelihood		26535.6989	
Full Log Likelihood		-190922.2510	
AIC (smaller is better)		381852.5019	
AICC (smaller is better)		381852.5023	
BIC (smaller is better)		381890.5536	

Algorithm converged.

Estimated Covariance Matrix				
	Prm1	Prm2	Prm3	Prm4
Prm1	0.0000114	-5.716E-6	-5.572E-6	-2.807E-6
Prm2	-5.716E-6	0.0000138	-7.014E-7	1.1452E-7
Prm3	-5.572E-6	-7.014E-7	0.0000138	-9.903E-7
Prm4	-2.807E-6	1.1452E-7	-9.903E-7	3.3012E-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	1.1349	0.0034	1.1283	1.1415	113320	<.0001
A	1	0.0271	0.0037	0.0198	0.0344	53.40	<.0001
M_bin	1	-0.0299	0.0037	-0.0372	-0.0227	64.98	<.0001
C	1	-0.0431	0.0018	-0.0467	-0.0395	562.81	<.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	50656
2	0	49344

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	138614.22	136260.99
SC	138623.74	136289.52
-2 Log L	138612.22	136254.99

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2357.2365	2	<.0001	
Score	2331.6966	2	<.0001	
Wald	2281.7418	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3592	0.0108	1109.5963	<.0001
A	1	0.2028	0.0129	245.3788	<.0001
C	1	0.2905	0.00638	2072.4224	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.225	1.194	1.256
C	1.337	1.320	1.354

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.1	Somers' D	0.182
Percent Discordant	40.9	Gamma	0.182
Percent Tied	0.0	Tau-a	0.091
Pairs	2499569664	c	0.591

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.02792	0.034947	0.96535	1.09842
2	marginal pnde	1.02792	0.034947	0.96535	1.09842
3	marginal pnie	0.99834	0.002429	0.99259	1.00230
4	marginal tnde	1.02792	0.034947	0.96535	1.09842
5	marginal tnie	0.99834	0.002429	0.99259	1.00230
6	marginal total effect	1.02620	0.034794	0.96043	1.09777
7	conditional cde	1.02792	0.034947	0.96535	1.09842
8	conditional pnde	1.02792	0.034947	0.96535	1.09842
9	conditional pnie	0.99834	0.002430	0.99259	1.00230
10	conditional tnde	1.02792	0.034947	0.96535	1.09842
11	conditional tnie	0.99834	0.002430	0.99259	1.00230
12	conditional total effect	1.02620	0.034794	0.96043	1.09777

The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1059.0448	1.0633
Scaled Deviance	996	1059.0448	1.0633
Pearson Chi-Square	996	939.5247	0.9433
Scaled Pearson X2	996	939.5247	0.9433
Log Likelihood		131.7796	
Full Log Likelihood		-1882.0671	
AIC (smaller is better)		3774.1342	
AICC (smaller is better)		3774.1945	
BIC (smaller is better)		3798.6729	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001161	-0.000547	-0.000553	-0.000302	3.362E-10
Prm2	-0.000547	0.001464	-0.000147	0.0000150	-2.72E-10
Prm3	-0.000553	-0.000147	0.001466	-0.000128	-3.9E-11
Prm4	-0.000302	0.0000150	-0.000128	0.0003588	-2E-10
Dispersion	3.362E-10	-2.72E-10	-3.9E-11	-2E-10	6.5154E-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	1.0926	0.0341	1.0258	1.1594	1027.96	<.0001
A	1	0.0101	0.0383	-0.0648	0.0851	0.07	0.7908
M_bin	1	-0.0599	0.0383	-0.1349	0.0151	2.45	0.1177
C	1	-0.0201	0.0189	-0.0572	0.0171	1.12	0.2896
Dispersion	1	0.0000	0.0003	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1130.9065	1.1354
Scaled Deviance	996	1130.9065	1.1354
Pearson Chi-Square	996	1002.0745	1.0061
Scaled Pearson X2	996	1002.0745	1.0061
Log Likelihood		244.4619	
Full Log Likelihood		-1942.4364	
AIC (smaller is better)		3894.8728	
AICC (smaller is better)		3894.9332	
BIC (smaller is better)		3919.4116	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001150	-0.000555	-0.000579	-0.000325	2.117E-6
Prm2	-0.000555	0.001460	-0.000065	5.4231E-6	-2.635E-6
Prm3	-0.000579	-0.000065	0.001414	-0.000056	-1.441E-6
Prm4	-0.000325	5.4231E-6	-0.000056	0.0003654	-4.027E-7
Dispersion	2.117E-6	-2.635E-6	-1.441E-6	-4.027E-7	0.0002630

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1369	0.0339	1.0704	1.2034	1123.58	<.0001
A	1	0.0069	0.0382	-0.0680	0.0818	0.03	0.8564
M_bin	1	-0.0451	0.0376	-0.1188	0.0286	1.44	0.2304
C	1	-0.0375	0.0191	-0.0750	-0.0001	3.85	0.0497
Dispersion	1	0.0099	0.0162	0.0004	0.2439		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1068.2268	1.0725
Scaled Deviance	996	1068.2268	1.0725
Pearson Chi-Square	996	944.7028	0.9485
Scaled Pearson X2	996	944.7028	0.9485
Log Likelihood		340.3494	
Full Log Likelihood		-1922.2930	
AIC (smaller is better)		3854.5860	
AICC (smaller is better)		3854.6463	
BIC (smaller is better)		3879.1248	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001137	-0.000576	-0.000559	-0.000295	7.407E-10
Prm2	-0.000576	0.001345	-0.000035	0.0000137	-3.23E-10
Prm3	-0.000559	-0.000035	0.001334	-0.000065	-2.63E-10
Prm4	-0.000295	0.0000137	-0.000065	0.0003236	-4.68E-10
Dispersion	7.407E-10	-3.23E-10	-2.63E-10	-4.68E-10	4.0315E-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	1.1699	0.0337	1.1038	1.2360	1203.82	<.0001
A	1	0.0212	0.0367	-0.0506	0.0931	0.34	0.5626
M_bin	1	-0.0392	0.0365	-0.1108	0.0323	1.15	0.2826
C	1	-0.0486	0.0180	-0.0839	-0.0134	7.31	0.0069
Dispersion	1	0.0000	0.0002	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1106.7485	1.1112
Scaled Deviance	996	1106.7485	1.1112
Pearson Chi-Square	996	975.0268	0.9789
Scaled Pearson X2	996	975.0268	0.9789
Log Likelihood		285.1894	
Full Log Likelihood		-1927.9491	
AIC (smaller is better)		3865.8982	
AICC (smaller is better)		3865.9585	
BIC (smaller is better)		3890.4369	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001047	-0.000520	-0.000494	-0.000263	3.4326E-9
Prm2	-0.000520	0.001389	-0.000123	1.2262E-6	5.538E-10
Prm3	-0.000494	-0.000123	0.001401	-0.000125	-1.81E-10
Prm4	-0.000263	1.2262E-6	-0.000125	0.0003257	-3.539E-9
Dispersion	3.4326E-9	5.538E-10	-1.81E-10	-3.539E-9	3.8559E-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	1.1568	0.0324	1.0933	1.2202	1277.71	<.0001
A	1	-0.0020	0.0373	-0.0751	0.0710	0.00	0.9567
M_bin	1	-0.0527	0.0374	-0.1260	0.0207	1.98	0.1594
C	1	-0.0357	0.0180	-0.0711	-0.0003	3.91	0.0479
Dispersion	1	0.0000	0.0006	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1100.4983	1.1049
Scaled Deviance	996	1100.4983	1.1049
Pearson Chi-Square	996	983.8196	0.9878
Scaled Pearson X2	996	983.8196	0.9878
Log Likelihood		342.1113	
Full Log Likelihood		-1936.3894	
AIC (smaller is better)		3882.7787	
AICC (smaller is better)		3882.8391	
BIC (smaller is better)		3907.3175	

WARNING: The relative Hessian convergence criterion of 3.0151445276 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001067	-0.000574	-0.000511	-0.000261	0
Prm2	-0.000574	0.001343	-0.000064	0.0000203	0
Prm3	-0.000511	-0.000064	0.001366	-0.000121	0
Prm4	-0.000261	0.0000203	-0.000121	0.0003306	0
Dispersion	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	1.1583	0.0327	1.0943	1.2223	1256.86	<.0001
A	1	0.0481	0.0366	-0.0238	0.1199	1.72	0.1896
M_bin	1	-0.0620	0.0370	-0.1345	0.0104	2.81	0.0935
C	1	-0.0395	0.0182	-0.0751	-0.0038	4.71	0.0299
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.DATA16
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1153.5244	1.1582
Scaled Deviance	996	1153.5244	1.1582
Pearson Chi-Square	996	1000.6965	1.0047
Scaled Pearson X2	996	1000.6965	1.0047
Log Likelihood		422.2047	
Full Log Likelihood		-1970.0737	
AIC (smaller is better)		3950.1474	
AICC (smaller is better)		3950.2077	
BIC (smaller is better)		3974.6861	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001062	-0.000525	-0.000547	-0.000265	1.2484E-6
Prm2	-0.000525	0.001359	-0.000054	0.0000109	-1.866E-7
Prm3	-0.000547	-0.000054	0.001329	-0.000091	2.1986E-7
Prm4	-0.000265	0.0000109	-0.000091	0.0003135	-1.28E-6
Dispersion	1.2484E-6	-1.866E-7	2.1986E-7	-1.28E-6	0.0002309

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2067	0.0326	1.1428	1.2706	1371.27	<.0001
A	1	-0.0403	0.0369	-0.1125	0.0320	1.19	0.2746
M_bin	1	-0.0002	0.0365	-0.0717	0.0712	0.00	0.9945
C	1	-0.0562	0.0177	-0.0909	-0.0215	10.09	0.0015
Dispersion	1	0.0033	0.0152	0.0000	25.9691		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1093.9711	1.0984
Scaled Deviance	996	1093.9711	1.0984
Pearson Chi-Square	996	966.9611	0.9708
Scaled Pearson X2	996	966.9611	0.9708
Log Likelihood		235.5444	
Full Log Likelihood		-1914.1428	
AIC (smaller is better)		3838.2856	
AICC (smaller is better)		3838.3459	
BIC (smaller is better)		3862.8243	

WARNING: The relative Hessian convergence criterion of 11.321588905 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001098	-0.000558	-0.000544	-0.000257	0
Prm2	-0.000558	0.001387	-0.000075	-0.000013	0
Prm3	-0.000544	-0.000075	0.001393	-0.000088	0
Prm4	-0.000257	-0.000013	-0.000088	0.0003065	0
Dispersion	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	1.1076	0.0331	1.0426	1.1725	1117.24	<.0001
A	1	0.0418	0.0372	-0.0311	0.1148	1.26	0.2612
M_bin	1	-0.0025	0.0373	-0.0756	0.0707	0.00	0.9476
C	1	-0.0450	0.0175	-0.0793	-0.0106	6.59	0.0102
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.DATA18
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1050.0076	1.0542
Scaled Deviance	996	1050.0076	1.0542
Pearson Chi-Square	996	935.6410	0.9394
Scaled Pearson X2	996	935.6410	0.9394
Log Likelihood		207.3628	
Full Log Likelihood		-1890.1462	
AIC (smaller is better)		3790.2924	
AICC (smaller is better)		3790.3527	
BIC (smaller is better)		3814.8312	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001115	-0.000548	-0.000535	-0.000288	6.6129E-9
Prm2	-0.000548	0.001411	-0.000055	-0.000030	-6.41E-11
Prm3	-0.000535	-0.000055	0.001417	-0.000108	1.9892E-9
Prm4	-0.000288	-0.000030	-0.000108	0.0003566	-7.44E-9
Dispersion	6.6129E-9	-6.41E-11	1.9892E-9	-7.44E-9	7.0454E-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	1.1621	0.0334	1.0967	1.2275	1211.60	<.0001
A	1	0.0498	0.0376	-0.0238	0.1235	1.76	0.1846
M_bin	1	-0.1405	0.0376	-0.2143	-0.0668	13.94	0.0002
C	1	-0.0466	0.0189	-0.0836	-0.0096	6.09	0.0136
Dispersion	1	0.0000	0.0008	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1045.3457	1.0495
Scaled Deviance	996	1045.3457	1.0495
Pearson Chi-Square	996	936.0690	0.9398
Scaled Pearson X2	996	936.0690	0.9398
Log Likelihood		181.7862	
Full Log Likelihood		-1887.3412	
AIC (smaller is better)		3784.6825	
AICC (smaller is better)		3784.7428	
BIC (smaller is better)		3809.2213	

WARNING: The relative Hessian convergence criterion of 54.860011032 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001240	-0.000603	-0.000553	-0.000348	0
Prm2	-0.000603	0.001411	-0.000111	0.0000299	0
Prm3	-0.000553	-0.000111	0.001412	-0.000085	0
Prm4	-0.000348	0.0000299	-0.000085	0.0003682	0
Dispersion	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	1.1109	0.0352	1.0419	1.1800	995.32	<.0001
A	1	0.0354	0.0376	-0.0382	0.1090	0.89	0.3457
M_bin	1	-0.0496	0.0376	-0.1232	0.0241	1.74	0.1870
C	1	-0.0387	0.0192	-0.0763	-0.0011	4.07	0.0435
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.DATA110
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1128.7748	1.1333
Scaled Deviance	996	1128.7748	1.1333
Pearson Chi-Square	996	995.9907	1.0000
Scaled Pearson X2	996	995.9907	1.0000
Log Likelihood		339.6927	
Full Log Likelihood		-1944.3485	
AIC (smaller is better)		3898.6970	
AICC (smaller is better)		3898.7573	
BIC (smaller is better)		3923.2357	

WARNING: The relative Hessian convergence criterion of 0.2735454523 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001076	-0.000527	-0.000578	-0.000247	0
Prm2	-0.000527	0.001375	-0.000066	0.0000109	0
Prm3	-0.000578	-0.000066	0.001362	-0.000111	0
Prm4	-0.000247	0.0000109	-0.000111	0.0003191	0
Dispersion	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	1.1707	0.0328	1.1064	1.2349	1274.24	<.0001
A	1	-0.0618	0.0371	-0.1344	0.0109	2.77	0.0959
M_bin	1	0.0250	0.0369	-0.0474	0.0973	0.46	0.4987
C	1	-0.0498	0.0179	-0.0848	-0.0148	7.77	0.0053
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1002.1247	1.0061
Scaled Deviance	996	1002.1247	1.0061
Pearson Chi-Square	996	879.7646	0.8833
Scaled Pearson X2	996	879.7646	0.8833
Log Likelihood		250.7550	
Full Log Likelihood		-1879.5744	
AIC (smaller is better)		3769.1487	
AICC (smaller is better)		3769.2091	
BIC (smaller is better)		3793.6875	

WARNING: The relative Hessian convergence criterion of 138.08751733 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001156	-0.000655	-0.000572	-0.000267	0
Prm2	-0.000655	0.001383	-0.000015	0.0000540	0
Prm3	-0.000572	-0.000015	0.001388	-0.000098	0
Prm4	-0.000267	0.0000540	-0.000098	0.0003104	0
Dispersion	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	1.1622	0.0340	1.0956	1.2288	1168.85	<.0001
A	1	0.0200	0.0372	-0.0529	0.0928	0.29	0.5916
M_bin	1	-0.0651	0.0373	-0.1381	0.0079	3.05	0.0807
C	1	-0.0583	0.0176	-0.0929	-0.0238	10.96	0.0009
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.DATA112
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1145.7805	1.1504
Scaled Deviance	996	1145.7805	1.1504
Pearson Chi-Square	996	1008.9612	1.0130
Scaled Pearson X2	996	1008.9612	1.0130
Log Likelihood		176.6779	
Full Log Likelihood		-1920.1265	
AIC (smaller is better)		3850.2529	
AICC (smaller is better)		3850.3133	
BIC (smaller is better)		3874.7917	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001280	-0.000679	-0.000611	-0.000305	4.4448E-6
Prm2	-0.000679	0.001406	-0.000037	0.0000378	1.134E-6
Prm3	-0.000611	-0.000037	0.001442	-0.000125	-3.256E-6
Prm4	-0.000305	0.0000378	-0.000125	0.0003645	-3.257E-6
Dispersion	4.4448E-6	1.134E-6	-3.256E-6	-3.257E-6	0.0002624

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0745	0.0358	1.0044	1.1447	902.22	<.0001
A	1	0.1221	0.0375	0.0487	0.1956	10.61	0.0011
M_bin	1	-0.0137	0.0380	-0.0881	0.0608	0.13	0.7191
C	1	-0.0659	0.0191	-0.1033	-0.0284	11.90	0.0006
Dispersion	1	0.0017	0.0162	0.0000	289500.8		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1078.6350	1.0830
Scaled Deviance	996	1078.6350	1.0830
Pearson Chi-Square	996	948.8945	0.9527
Scaled Pearson X2	996	948.8945	0.9527
Log Likelihood		295.0098	
Full Log Likelihood		-1916.4321	
AIC (smaller is better)		3842.8643	
AICC (smaller is better)		3842.9246	
BIC (smaller is better)		3867.4031	

WARNING: The relative Hessian convergence criterion of 30.203023469 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001126	-0.000548	-0.000544	-0.000292	0
Prm2	-0.000548	0.001389	-0.000128	0.0000347	0
Prm3	-0.000544	-0.000128	0.001375	-0.000097	0
Prm4	-0.000292	0.0000347	-0.000097	0.0003302	0
Dispersion	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	1.1676	0.0336	1.1018	1.2334	1210.77	<.0001
A	1	0.0113	0.0373	-0.0617	0.0844	0.09	0.7611
M_bin	1	-0.0209	0.0371	-0.0936	0.0517	0.32	0.5722
C	1	-0.0639	0.0182	-0.0995	-0.0283	12.36	0.0004
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.DATA114
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1073.2795	1.0776
Scaled Deviance	996	1073.2795	1.0776
Pearson Chi-Square	996	943.5793	0.9474
Scaled Pearson X2	996	943.5793	0.9474
Log Likelihood		252.2770	
Full Log Likelihood		-1904.5287	
AIC (smaller is better)		3819.0573	
AICC (smaller is better)		3819.1177	
BIC (smaller is better)		3843.5961	

WARNING: The relative Hessian convergence criterion of 38.403185668 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001221	-0.000643	-0.000575	-0.000289	0
Prm2	-0.000643	0.001364	-0.000051	0.0000278	0
Prm3	-0.000575	-0.000051	0.001389	-0.000102	0
Prm4	-0.000289	0.0000278	-0.000102	0.0003275	0
Dispersion	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	1.1215	0.0349	1.0530	1.1900	1029.99	<.0001
A	1	0.0678	0.0369	-0.0046	0.1401	3.37	0.0665
M_bin	1	0.0073	0.0373	-0.0657	0.0803	0.04	0.8447
C	1	-0.0715	0.0181	-0.1070	-0.0361	15.62	<.0001
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.DATA115
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1077.7345	1.0821
Scaled Deviance	996	1077.7345	1.0821
Pearson Chi-Square	996	966.3066	0.9702
Scaled Pearson X2	996	966.3066	0.9702
Log Likelihood		324.9911	
Full Log Likelihood		-1926.2685	
AIC (smaller is better)		3862.5370	
AICC (smaller is better)		3862.5973	
BIC (smaller is better)		3887.0757	

WARNING: The relative Hessian convergence criterion of 8.1330114351 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001157	-0.000512	-0.000573	-0.000304	0
Prm2	-0.000512	0.001373	-0.000086	-6.338E-6	0
Prm3	-0.000573	-0.000086	0.001346	-0.000076	0
Prm4	-0.000304	-6.338E-6	-0.000076	0.0003240	0
Dispersion	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	1.1553	0.0340	1.0886	1.2219	1153.19	<.0001
A	1	-0.0479	0.0370	-0.1205	0.0247	1.67	0.1957
M_bin	1	-0.0177	0.0367	-0.0897	0.0542	0.23	0.6287
C	1	-0.0179	0.0180	-0.0532	0.0173	0.99	0.3190
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.DATA116
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1088.4847	1.0929
Scaled Deviance	996	1088.4847	1.0929
Pearson Chi-Square	996	934.8197	0.9386
Scaled Pearson X2	996	934.8197	0.9386
Log Likelihood		326.0600	
Full Log Likelihood		-1924.1491	
AIC (smaller is better)		3858.2981	
AICC (smaller is better)		3858.3585	
BIC (smaller is better)		3882.8369	

WARNING: The relative Hessian convergence criterion of 33.074993108 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001081	-0.000541	-0.000526	-0.000275	0
Prm2	-0.000541	0.001364	-0.000060	4.1611E-6	0
Prm3	-0.000526	-0.000060	0.001361	-0.000106	0
Prm4	-0.000275	4.1611E-6	-0.000106	0.0003276	0
Dispersion	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	1.1624	0.0329	1.0980	1.2269	1250.57	<.0001
A	1	-0.0059	0.0369	-0.0783	0.0665	0.03	0.8730
M_bin	1	-0.0651	0.0369	-0.1374	0.0072	3.11	0.0777
C	1	-0.0211	0.0181	-0.0565	0.0144	1.35	0.2445
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.DATA117
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1139.5688	1.1441
Scaled Deviance	996	1139.5688	1.1441
Pearson Chi-Square	996	1001.6445	1.0057
Scaled Pearson X2	996	1001.6445	1.0057
Log Likelihood		263.4993	
Full Log Likelihood		-1938.5074	
AIC (smaller is better)		3887.0148	
AICC (smaller is better)		3887.0751	
BIC (smaller is better)		3911.5536	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001088	-0.000541	-0.000508	-0.000280	1.0824E-6
Prm2	-0.000541	0.001411	-0.000136	0.0000154	-2.219E-6
Prm3	-0.000508	-0.000136	0.001417	-0.000118	1.7848E-6
Prm4	-0.000280	0.0000154	-0.000118	0.0003336	-1.011E-6
Dispersion	1.0824E-6	-2.219E-6	1.7848E-6	-1.011E-6	0.0002460

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1525	0.0330	1.0878	1.2171	1220.82	<.0001
A	1	0.0248	0.0376	-0.0488	0.0985	0.44	0.5086
M_bin	1	-0.0456	0.0376	-0.1193	0.0282	1.46	0.2262
C	1	-0.0527	0.0183	-0.0885	-0.0170	8.34	0.0039
Dispersion	1	0.0031	0.0157	0.0000	55.6019		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1019.4128	1.0235
Scaled Deviance	996	1019.4128	1.0235
Pearson Chi-Square	996	896.9662	0.9006
Scaled Pearson X2	996	896.9662	0.9006
Log Likelihood		310.7662	
Full Log Likelihood		-1898.8556	
AIC (smaller is better)		3807.7112	
AICC (smaller is better)		3807.7716	
BIC (smaller is better)		3832.2500	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001108	-0.000588	-0.000543	-0.000278	1.0501E-9
Prm2	-0.000588	0.001354	-0.000037	0.0000194	-4.12E-10
Prm3	-0.000543	-0.000037	0.001362	-0.000102	-1.12E-10
Prm4	-0.000278	0.0000194	-0.000102	0.0003404	-8.56E-10
Dispersion	1.0501E-9	-4.12E-10	-1.12E-10	-8.56E-10	4.0461E-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	1.1540	0.0333	1.0887	1.2192	1202.04	<.0001
A	1	0.0035	0.0368	-0.0686	0.0756	0.01	0.9247
M_bin	1	-0.0391	0.0369	-0.1115	0.0332	1.12	0.2889
C	1	-0.0358	0.0184	-0.0719	0.0004	3.76	0.0524
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1112.2376	1.1167
Scaled Deviance	996	1112.2376	1.1167
Pearson Chi-Square	996	1006.8167	1.0109
Scaled Pearson X2	996	1006.8167	1.0109
Log Likelihood		299.7312	
Full Log Likelihood		-1931.3784	
AIC (smaller is better)		3872.7568	
AICC (smaller is better)		3872.8172	
BIC (smaller is better)		3897.2956	

WARNING: The relative Hessian convergence criterion of 0.6429974203 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001070	-0.000525	-0.000513	-0.000267	0
Prm2	-0.000525	0.001369	-0.000090	-0.000027	0
Prm3	-0.000513	-0.000090	0.001388	-0.000122	0
Prm4	-0.000267	-0.000027	-0.000122	0.0003463	0
Dispersion	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	1.1414	0.0327	1.0773	1.2056	1217.76	<.0001
A	1	0.0963	0.0370	0.0238	0.1688	6.77	0.0093
M_bin	1	-0.0228	0.0373	-0.0958	0.0503	0.37	0.5410
C	1	-0.0740	0.0186	-0.1104	-0.0375	15.80	<.0001
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.DATA120
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1111.9767	1.1164
Scaled Deviance	996	1111.9767	1.1164
Pearson Chi-Square	996	992.4896	0.9965
Scaled Pearson X2	996	992.4896	0.9965
Log Likelihood		330.6750	
Full Log Likelihood		-1937.7731	
AIC (smaller is better)		3885.5463	
AICC (smaller is better)		3885.6066	
BIC (smaller is better)		3910.0850	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001043	-0.000492	-0.000495	-0.000284	1.5269E-8
Prm2	-0.000492	0.001392	-0.000112	-8.054E-6	-1.319E-8
Prm3	-0.000495	-0.000112	0.001368	-0.000100	-3.268E-9
Prm4	-0.000284	-8.054E-6	-0.000100	0.0003334	-8.113E-9
Dispersion	1.5269E-8	-1.319E-8	-3.268E-9	-8.113E-9	8.8109E-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	1.2238	0.0323	1.1605	1.2871	1436.41	<.0001
A	1	-0.0741	0.0373	-0.1472	-0.0010	3.94	0.0471
M_bin	1	-0.1027	0.0370	-0.1752	-0.0302	7.71	0.0055
C	1	-0.0368	0.0183	-0.0726	-0.0010	4.07	0.0437
Dispersion	1	0.0000	0.0009	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1073.1171	1.0774
Scaled Deviance	996	1073.1171	1.0774
Pearson Chi-Square	996	959.8780	0.9637
Scaled Pearson X2	996	959.8780	0.9637
Log Likelihood		255.6979	
Full Log Likelihood		-1911.3965	
AIC (smaller is better)		3832.7930	
AICC (smaller is better)		3832.8534	
BIC (smaller is better)		3857.3318	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001143	-0.000558	-0.000542	-0.000307	7.154E-11
Prm2	-0.000558	0.001381	-0.000047	-0.000012	-1.73E-10
Prm3	-0.000542	-0.000047	0.001380	-0.000089	-3.42E-11
Prm4	-0.000307	-0.000012	-0.000089	0.0003507	1.826E-11
Dispersion	7.154E-11	-1.73E-10	-3.42E-11	1.826E-11	1.2211E-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	1.1213	0.0338	1.0550	1.1876	1100.06	<.0001
A	1	0.0312	0.0372	-0.0416	0.1041	0.71	0.4006
M_bin	1	-0.0625	0.0371	-0.1353	0.0103	2.83	0.0922
C	1	-0.0186	0.0187	-0.0553	0.0181	0.99	0.3205
Dispersion	1	0.0000	0.0003

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1059.5101	1.0638
Scaled Deviance	996	1059.5101	1.0638
Pearson Chi-Square	996	950.1911	0.9540
Scaled Pearson X2	996	950.1911	0.9540
Log Likelihood		276.3101	
Full Log Likelihood		-1909.4132	
AIC (smaller is better)		3828.8263	
AICC (smaller is better)		3828.8867	
BIC (smaller is better)		3853.3651	

WARNING: The relative Hessian convergence criterion of 23.886315901 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001117	-0.000514	-0.000529	-0.000302	0
Prm2	-0.000514	0.001393	-0.000119	-6.796E-6	0
Prm3	-0.000529	-0.000119	0.001380	-0.000094	0
Prm4	-0.000302	-6.796E-6	-0.000094	0.0003448	0
Dispersion	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	1.1344	0.0334	1.0689	1.1999	1152.50	<.0001
A	1	0.0372	0.0373	-0.0360	0.1103	0.99	0.3189
M_bin	1	-0.0318	0.0371	-0.1046	0.0410	0.73	0.3916
C	1	-0.0408	0.0186	-0.0772	-0.0044	4.82	0.0281
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.DATA123
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1089.3747	1.0937
Scaled Deviance	996	1089.3747	1.0937
Pearson Chi-Square	996	997.6026	1.0016
Scaled Pearson X2	996	997.6026	1.0016
Log Likelihood		320.7836	
Full Log Likelihood		-1931.2406	
AIC (smaller is better)		3872.4812	
AICC (smaller is better)		3872.5415	
BIC (smaller is better)		3897.0200	

WARNING: The relative Hessian convergence criterion of 0.4525527905 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001085	-0.000538	-0.000542	-0.000264	0
Prm2	-0.000538	0.001360	-0.000127	8.2037E-6	0
Prm3	-0.000542	-0.000127	0.001362	-0.000089	0
Prm4	-0.000264	8.2037E-6	-0.000089	0.0003255	0
Dispersion	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	1.1733	0.0329	1.1088	1.2379	1269.34	<.0001
A	1	0.0258	0.0369	-0.0465	0.0981	0.49	0.4839
M_bin	1	-0.0258	0.0369	-0.0982	0.0465	0.49	0.4842
C	1	-0.0698	0.0180	-0.1052	-0.0345	14.97	0.0001
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.DATA124
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1069.0201	1.0733
Scaled Deviance	996	1069.0201	1.0733
Pearson Chi-Square	996	963.4827	0.9674
Scaled Pearson X2	996	963.4827	0.9674
Log Likelihood		316.9846	
Full Log Likelihood		-1920.8844	
AIC (smaller is better)		3851.7688	
AICC (smaller is better)		3851.8291	
BIC (smaller is better)		3876.3076	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001191	-0.000616	-0.000564	-0.000309	4.3925E-9
Prm2	-0.000616	0.001348	-0.000048	0.0000384	-3.574E-9
Prm3	-0.000564	-0.000048	0.001344	-0.000072	-4.23E-10
Prm4	-0.000309	0.0000384	-0.000072	0.0003266	-2.548E-9
Dispersion	4.3925E-9	-3.574E-9	-4.23E-10	-2.548E-9	4.4006E-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	1.1471	0.0345	1.0795	1.2147	1105.11	<.0001
A	1	0.0316	0.0367	-0.0404	0.1035	0.74	0.3900
M_bin	1	-0.0335	0.0367	-0.1054	0.0383	0.84	0.3603
C	1	-0.0396	0.0181	-0.0751	-0.0042	4.81	0.0283
Dispersion	1	0.0000	0.0007	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1126.4818	1.1310
Scaled Deviance	996	1126.4818	1.1310
Pearson Chi-Square	996	986.7265	0.9907
Scaled Pearson X2	996	986.7265	0.9907
Log Likelihood		284.6456	
Full Log Likelihood		-1935.8527	
AIC (smaller is better)		3881.7054	
AICC (smaller is better)		3881.7658	
BIC (smaller is better)		3906.2442	

WARNING: The relative Hessian convergence criterion of 1.8227216093 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001155	-0.000567	-0.000610	-0.000285	0
Prm2	-0.000567	0.001387	-0.000035	0.0000183	0
Prm3	-0.000610	-0.000035	0.001352	-0.000061	0
Prm4	-0.000285	0.0000183	-0.000061	0.0003135	0
Dispersion	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	1.1520	0.0340	1.0854	1.2186	1149.12	<.0001
A	1	-0.0305	0.0372	-0.1035	0.0425	0.67	0.4131
M_bin	1	-0.0080	0.0368	-0.0801	0.0641	0.05	0.8278
C	1	-0.0409	0.0177	-0.0756	-0.0062	5.34	0.0208
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.DATA126
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1019.4290	1.0235
Scaled Deviance	996	1019.4290	1.0235
Pearson Chi-Square	996	917.8751	0.9216
Scaled Pearson X2	996	917.8751	0.9216
Log Likelihood		294.8037	
Full Log Likelihood		-1897.8991	
AIC (smaller is better)		3805.7983	
AICC (smaller is better)		3805.8586	
BIC (smaller is better)		3830.3370	

WARNING: The relative Hessian convergence criterion of 62.761040365 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001065	-0.000545	-0.000537	-0.000270	0
Prm2	-0.000545	0.001387	-0.000072	0.0000144	0
Prm3	-0.000537	-0.000072	0.001371	-0.000098	0
Prm4	-0.000270	0.0000144	-0.000098	0.0003358	0
Dispersion	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	1.1868	0.0326	1.1228	1.2507	1322.84	<.0001
A	1	-0.0175	0.0372	-0.0905	0.0555	0.22	0.6378
M_bin	1	-0.0739	0.0370	-0.1465	-0.0014	3.99	0.0459
C	1	-0.0492	0.0183	-0.0851	-0.0133	7.21	0.0072
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.DATA127
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1030.3143	1.0345
Scaled Deviance	996	1030.3143	1.0345
Pearson Chi-Square	996	910.8272	0.9145
Scaled Pearson X2	996	910.8272	0.9145
Log Likelihood		343.5406	
Full Log Likelihood		-1905.8395	
AIC (smaller is better)		3821.6790	
AICC (smaller is better)		3821.7393	
BIC (smaller is better)		3846.2178	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001079	-0.000550	-0.000526	-0.000259	1.2232E-8
Prm2	-0.000550	0.001353	-0.000104	0.0000225	4.2147E-9
Prm3	-0.000526	-0.000104	0.001381	-0.000137	-4.592E-9
Prm4	-0.000259	0.0000225	-0.000137	0.0003365	-1.184E-8
Dispersion	1.2232E-8	4.2147E-9	-4.592E-9	-1.184E-8	7.9465E-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	1.1994	0.0329	1.1350	1.2638	1332.85	<.0001
A	1	0.0047	0.0368	-0.0674	0.0768	0.02	0.8976
M_bin	1	-0.0456	0.0372	-0.1184	0.0273	1.50	0.2200
C	1	-0.0686	0.0183	-0.1046	-0.0327	14.00	0.0002
Dispersion	1	0.0000	0.0009	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1068.2238	1.0725
Scaled Deviance	996	1068.2238	1.0725
Pearson Chi-Square	996	964.7413	0.9686
Scaled Pearson X2	996	964.7413	0.9686
Log Likelihood		280.6554	
Full Log Likelihood		-1915.7039	
AIC (smaller is better)		3841.4078	
AICC (smaller is better)		3841.4681	
BIC (smaller is better)		3865.9466	

WARNING: The relative Hessian convergence criterion of 13.230215012 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001156	-0.000550	-0.000569	-0.000295	0
Prm2	-0.000550	0.001367	-0.000100	-4.573E-6	0
Prm3	-0.000569	-0.000100	0.001360	-0.000061	0
Prm4	-0.000295	-4.573E-6	-0.000061	0.0003274	0
Dispersion	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	1.1447	0.0340	1.0781	1.2114	1133.99	<.0001
A	1	0.0420	0.0370	-0.0305	0.1145	1.29	0.2562
M_bin	1	-0.0599	0.0369	-0.1322	0.0124	2.64	0.1043
C	1	-0.0395	0.0181	-0.0749	-0.0040	4.75	0.0292
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.DATA129
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1092.0413	1.0964
Scaled Deviance	996	1092.0413	1.0964
Pearson Chi-Square	996	970.5729	0.9745
Scaled Pearson X2	996	970.5729	0.9745
Log Likelihood		293.5748	
Full Log Likelihood		-1921.2523	
AIC (smaller is better)		3852.5045	
AICC (smaller is better)		3852.5649	
BIC (smaller is better)		3877.0433	

WARNING: The relative Hessian convergence criterion of 9.7345646826 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001105	-0.000572	-0.000514	-0.000299	0
Prm2	-0.000572	0.001379	-0.000042	0.0000185	0
Prm3	-0.000514	-0.000042	0.001378	-0.000099	0
Prm4	-0.000299	0.0000185	-0.000099	0.0003376	0
Dispersion	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	1.2031	0.0332	1.1379	1.2682	1309.53	<.0001
A	1	-0.0235	0.0371	-0.0963	0.0493	0.40	0.5267
M_bin	1	-0.0900	0.0371	-0.1627	-0.0172	5.87	0.0154
C	1	-0.0541	0.0184	-0.0902	-0.0181	8.68	0.0032
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.DATA130
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1115.9820	1.1205
Scaled Deviance	996	1115.9820	1.1205
Pearson Chi-Square	996	993.1530	0.9971
Scaled Pearson X2	996	993.1530	0.9971
Log Likelihood		280.4309	
Full Log Likelihood		-1932.4162	
AIC (smaller is better)		3874.8324	
AICC (smaller is better)		3874.8928	
BIC (smaller is better)		3899.3712	

WARNING: The relative Hessian convergence criterion of 0.503100495 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001104	-0.000512	-0.000560	-0.000268	0
Prm2	-0.000512	0.001383	-0.000135	-0.000016	0
Prm3	-0.000560	-0.000135	0.001368	-0.000063	0
Prm4	-0.000268	-0.000016	-0.000063	0.0003038	0
Dispersion	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	1.1705	0.0332	1.1054	1.2356	1241.09	<.0001
A	1	-0.0180	0.0372	-0.0909	0.0548	0.24	0.6276
M_bin	1	-0.0715	0.0370	-0.1440	0.0011	3.73	0.0534
C	1	-0.0329	0.0174	-0.0671	0.0012	3.57	0.0590
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.DATA131
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1028.5791	1.0327
Scaled Deviance	996	1028.5791	1.0327
Pearson Chi-Square	996	916.3161	0.9200
Scaled Pearson X2	996	916.3161	0.9200
Log Likelihood		270.4499	
Full Log Likelihood		-1896.3362	
AIC (smaller is better)		3802.6725	
AICC (smaller is better)		3802.7328	
BIC (smaller is better)		3827.2113	

WARNING: The relative Hessian convergence criterion of 67.547461224 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001160	-0.000576	-0.000567	-0.000290	0
Prm2	-0.000576	0.001389	-0.000123	0.0000444	0
Prm3	-0.000567	-0.000123	0.001386	-0.000099	0
Prm4	-0.000290	0.0000444	-0.000099	0.0003297	0
Dispersion	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	1.1017	0.0341	1.0350	1.1685	1046.72	<.0001
A	1	0.0728	0.0373	-0.0002	0.1459	3.82	0.0506
M_bin	1	0.0158	0.0372	-0.0571	0.0888	0.18	0.6708
C	1	-0.0514	0.0182	-0.0870	-0.0158	8.02	0.0046
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.DATA132
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1014.7023	1.0188
Scaled Deviance	996	1014.7023	1.0188
Pearson Chi-Square	996	887.5144	0.8911
Scaled Pearson X2	996	887.5144	0.8911
Log Likelihood		363.5834	
Full Log Likelihood		-1904.8582	
AIC (smaller is better)		3819.7164	
AICC (smaller is better)		3819.7768	
BIC (smaller is better)		3844.2552	

WARNING: The relative Hessian convergence criterion of 90.128139085 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001160	-0.000548	-0.000586	-0.000298	0
Prm2	-0.000548	0.001346	-0.000091	0.0000249	0
Prm3	-0.000586	-0.000091	0.001335	-0.000077	0
Prm4	-0.000298	0.0000249	-0.000077	0.0003328	0
Dispersion	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	1.1325	0.0341	1.0657	1.1992	1105.98	<.0001
A	1	0.0725	0.0367	0.0006	0.1445	3.91	0.0481
M_bin	1	-0.0491	0.0365	-0.1207	0.0225	1.80	0.1792
C	1	-0.0189	0.0182	-0.0546	0.0169	1.07	0.3006
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.DATA133
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	957.7981	0.9616
Scaled Deviance	996	957.7981	0.9616
Pearson Chi-Square	996	860.6846	0.8641
Scaled Pearson X2	996	860.6846	0.8641
Log Likelihood		188.9037	
Full Log Likelihood		-1856.4121	
AIC (smaller is better)		3722.8242	
AICC (smaller is better)		3722.8846	
BIC (smaller is better)		3747.3630	

WARNING: The relative Hessian convergence criterion of 222.88690978 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001211	-0.000571	-0.000604	-0.000303	0
Prm2	-0.000571	0.001402	-0.000078	-0.000016	0
Prm3	-0.000604	-0.000078	0.001408	-0.000086	0
Prm4	-0.000303	-0.000016	-0.000086	0.0003576	0
Dispersion	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	1.1085	0.0348	1.0402	1.1767	1014.40	<.0001
A	1	0.0545	0.0374	-0.0189	0.1279	2.12	0.1457
M_bin	1	-0.0688	0.0375	-0.1423	0.0048	3.36	0.0668
C	1	-0.0325	0.0189	-0.0696	0.0046	2.95	0.0858
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.DATA134
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1105.2114	1.1097
Scaled Deviance	996	1105.2114	1.1097
Pearson Chi-Square	996	968.0133	0.9719
Scaled Pearson X2	996	968.0133	0.9719
Log Likelihood		190.5424	
Full Log Likelihood		-1905.0311	
AIC (smaller is better)		3820.0623	
AICC (smaller is better)		3820.1226	
BIC (smaller is better)		3844.6010	

WARNING: The relative Hessian convergence criterion of 20.342853926 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001150	-0.000623	-0.000565	-0.000279	0
Prm2	-0.000623	0.001408	0.0000166	4.4833E-6	0
Prm3	-0.000565	0.0000166	0.001427	-0.000116	0
Prm4	-0.000279	4.4833E-6	-0.000116	0.0003438	0
Dispersion	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	1.1346	0.0339	1.0682	1.2011	1119.83	<.0001
A	1	0.0496	0.0375	-0.0240	0.1231	1.75	0.1863
M_bin	1	-0.0425	0.0378	-0.1165	0.0315	1.27	0.2606
C	1	-0.0730	0.0185	-0.1093	-0.0366	15.49	<.0001
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	946.9670	0.9508
Scaled Deviance	996	946.9670	0.9508
Pearson Chi-Square	996	870.8418	0.8743
Scaled Pearson X2	996	870.8418	0.8743
Log Likelihood		211.9713	
Full Log Likelihood		-1855.4083	
AIC (smaller is better)		3720.8165	
AICC (smaller is better)		3720.8769	
BIC (smaller is better)		3745.3553	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001223	-0.000628	-0.000623	-0.000294	2.8049E-9
Prm2	-0.000628	0.001396	-0.000020	0.0000282	-4.97E-10
Prm3	-0.000623	-0.000020	0.001399	-0.000094	-2.03E-9
Prm4	-0.000294	0.0000282	-0.000094	0.0003422	-1.535E-9
Dispersion	2.8049E-9	-4.97E-10	-2.03E-9	-1.535E-9	1.4942E-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	1.1346	0.0350	1.0661	1.2032	1052.28	<.0001
A	1	0.0142	0.0374	-0.0590	0.0874	0.14	0.7039
M_bin	1	-0.0037	0.0374	-0.0770	0.0696	0.01	0.9204
C	1	-0.0687	0.0185	-0.1049	-0.0324	13.78	0.0002
Dispersion	1	0.0000	0.0004	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1090.8331	1.0952
Scaled Deviance	996	1090.8331	1.0952
Pearson Chi-Square	996	987.5253	0.9915
Scaled Pearson X2	996	987.5253	0.9915
Log Likelihood		249.2345	
Full Log Likelihood		-1917.9431	
AIC (smaller is better)		3845.8862	
AICC (smaller is better)		3845.9465	
BIC (smaller is better)		3870.4250	

WARNING: The relative Hessian convergence criterion of 2.4519095841 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001128	-0.000562	-0.000553	-0.000269	0
Prm2	-0.000562	0.001382	-0.000049	-9.806E-6	0
Prm3	-0.000553	-0.000049	0.001410	-0.000136	0
Prm4	-0.000269	-9.806E-6	-0.000136	0.0003434	0
Dispersion	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	1.1094	0.0336	1.0436	1.1753	1091.60	<.0001
A	1	0.0396	0.0372	-0.0333	0.1125	1.13	0.2867
M_bin	1	0.0062	0.0376	-0.0674	0.0798	0.03	0.8697
C	1	-0.0454	0.0185	-0.0817	-0.0091	6.01	0.0142
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.DATA137
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1071.6657	1.0760
Scaled Deviance	996	1071.6657	1.0760
Pearson Chi-Square	996	934.9158	0.9387
Scaled Pearson X2	996	934.9158	0.9387
Log Likelihood		239.5989	
Full Log Likelihood		-1902.0551	
AIC (smaller is better)		3814.1102	
AICC (smaller is better)		3814.1706	
BIC (smaller is better)		3838.6490	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001205	-0.000585	-0.000656	-0.000281	4.4745E-9
Prm2	-0.000585	0.001390	-0.000017	1.0151E-6	-6.93E-9
Prm3	-0.000656	-0.000017	0.001377	-0.000066	8.377E-10
Prm4	-0.000281	1.0151E-6	-0.000066	0.0003277	-2.01E-9
Dispersion	4.4745E-9	-6.93E-9	8.377E-10	-2.01E-9	6.799E-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	1.1533	0.0347	1.0852	1.2213	1103.59	<.0001
A	1	0.0386	0.0373	-0.0345	0.1117	1.07	0.3004
M_bin	1	-0.0550	0.0371	-0.1277	0.0178	2.19	0.1387
C	1	-0.0617	0.0181	-0.0972	-0.0262	11.61	0.0007
Dispersion	1	0.0000	0.0008	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1037.3363	1.0415
Scaled Deviance	996	1037.3363	1.0415
Pearson Chi-Square	996	912.9497	0.9166
Scaled Pearson X2	996	912.9497	0.9166
Log Likelihood		283.6649	
Full Log Likelihood		-1898.9187	
AIC (smaller is better)		3807.8375	
AICC (smaller is better)		3807.8978	
BIC (smaller is better)		3832.3762	

WARNING: The relative Hessian convergence criterion of 71.434333218 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001168	-0.000587	-0.000576	-0.000305	0
Prm2	-0.000587	0.001369	-0.000048	0.0000181	0
Prm3	-0.000576	-0.000048	0.001354	-0.000053	0
Prm4	-0.000305	0.0000181	-0.000053	0.0003252	0
Dispersion	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	1.1560	0.0342	1.0890	1.2230	1143.90	<.0001
A	1	0.0523	0.0370	-0.0202	0.1249	2.00	0.1573
M_bin	1	-0.0379	0.0368	-0.1100	0.0342	1.06	0.3031
C	1	-0.0658	0.0180	-0.1011	-0.0304	13.31	0.0003
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.DATA139
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1096.6780	1.1011
Scaled Deviance	996	1096.6780	1.1011
Pearson Chi-Square	996	974.4214	0.9783
Scaled Pearson X2	996	974.4214	0.9783
Log Likelihood		266.2167	
Full Log Likelihood		-1921.6650	
AIC (smaller is better)		3853.3299	
AICC (smaller is better)		3853.3903	
BIC (smaller is better)		3877.8687	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001204	-0.000616	-0.000594	-0.000290	9.028E-9
Prm2	-0.000616	0.001381	-0.000036	0.0000421	3.766E-9
Prm3	-0.000594	-0.000036	0.001389	-0.000113	-3.858E-9
Prm4	-0.000290	0.0000421	-0.000113	0.0003266	-8.354E-9
Dispersion	9.028E-9	3.766E-9	-3.858E-9	-8.354E-9	1.2317E-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	1.0865	0.0347	1.0185	1.1545	980.47	<.0001
A	1	0.0686	0.0372	-0.0042	0.1415	3.41	0.0647
M_bin	1	0.0058	0.0373	-0.0672	0.0788	0.02	0.8762
C	1	-0.0290	0.0181	-0.0644	0.0065	2.57	0.1089
Dispersion	1	0.0000	0.0011	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1098.8737	1.1033
Scaled Deviance	996	1098.8737	1.1033
Pearson Chi-Square	996	980.1096	0.9840
Scaled Pearson X2	996	980.1096	0.9840
Log Likelihood		339.8985	
Full Log Likelihood		-1934.0077	
AIC (smaller is better)		3878.0153	
AICC (smaller is better)		3878.0757	
BIC (smaller is better)		3902.5541	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001165	-0.000569	-0.000543	-0.000308	2.7159E-8
Prm2	-0.000569	0.001341	-0.000118	0.0000225	-1.856E-8
Prm3	-0.000543	-0.000118	0.001348	-0.000085	-3.009E-9
Prm4	-0.000308	0.0000225	-0.000085	0.0003463	-1.707E-8
Dispersion	2.7159E-8	-1.856E-8	-3.009E-9	-1.707E-8	1.3703E-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	1.1717	0.0341	1.1048	1.2386	1178.43	<.0001
A	1	0.0260	0.0366	-0.0457	0.0978	0.51	0.4770
M_bin	1	-0.0354	0.0367	-0.1074	0.0365	0.93	0.3344
C	1	-0.0544	0.0186	-0.0908	-0.0179	8.54	0.0035
Dispersion	1	0.0000	0.0012	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1102.4992	1.1069
Scaled Deviance	996	1102.4992	1.1069
Pearson Chi-Square	996	1002.4001	1.0064
Scaled Pearson X2	996	1002.4001	1.0064
Log Likelihood		422.2805	
Full Log Likelihood		-1955.7405	
AIC (smaller is better)		3921.4811	
AICC (smaller is better)		3921.5414	
BIC (smaller is better)		3946.0199	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001147	-0.000523	-0.000570	-0.000288	9.4367E-7
Prm2	-0.000523	0.001313	-0.000055	-0.000016	4.3622E-8
Prm3	-0.000570	-0.000055	0.001321	-0.000098	2.6591E-8
Prm4	-0.000288	-0.000016	-0.000098	0.0003337	-9.292E-7
Dispersion	9.4367E-7	4.3622E-8	2.6591E-8	-9.292E-7	0.0002145

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1463	0.0339	1.0799	1.2127	1145.42	<.0001
A	1	0.0291	0.0362	-0.0419	0.1001	0.65	0.4217
M_bin	1	0.0078	0.0363	-0.0634	0.0790	0.05	0.8300
C	1	-0.0263	0.0183	-0.0621	0.0095	2.07	0.1500
Dispersion	1	0.0002	0.0146	0.0000	7.804E73		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1127.0537	1.1316
Scaled Deviance	996	1127.0537	1.1316
Pearson Chi-Square	996	991.1532	0.9951
Scaled Pearson X2	996	991.1532	0.9951
Log Likelihood		230.5015	
Full Log Likelihood		-1925.8433	
AIC (smaller is better)		3861.6865	
AICC (smaller is better)		3861.7469	
BIC (smaller is better)		3886.2253	

WARNING: The relative Hessian convergence criterion of 0.8911759065 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001209	-0.000615	-0.000567	-0.000306	0
Prm2	-0.000615	0.001394	-0.000060	0.0000418	0
Prm3	-0.000567	-0.000060	0.001402	-0.000114	0
Prm4	-0.000306	0.0000418	-0.000114	0.0003342	0
Dispersion	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	1.1330	0.0348	1.0649	1.2012	1061.82	<.0001
A	1	-0.0166	0.0373	-0.0898	0.0566	0.20	0.6567
M_bin	1	-0.0297	0.0374	-0.1031	0.0437	0.63	0.4271
C	1	-0.0313	0.0183	-0.0671	0.0045	2.93	0.0870
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.DATA143
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1092.4063	1.0968
Scaled Deviance	996	1092.4063	1.0968
Pearson Chi-Square	996	983.5539	0.9875
Scaled Pearson X2	996	983.5539	0.9875
Log Likelihood		305.4250	
Full Log Likelihood		-1930.0587	
AIC (smaller is better)		3870.1174	
AICC (smaller is better)		3870.1777	
BIC (smaller is better)		3894.6561	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001158	-0.000563	-0.000571	-0.000298	4.0624E-9
Prm2	-0.000563	0.001366	-0.000074	0.0000186	-2.702E-9
Prm3	-0.000571	-0.000074	0.001356	-0.000084	-9.87E-10
Prm4	-0.000298	0.0000186	-0.000084	0.0003359	-2.364E-9
Dispersion	4.0624E-9	-2.702E-9	-9.87E-10	-2.364E-9	2.655E-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	1.1897	0.0340	1.1230	1.2564	1222.41	<.0001
A	1	-0.0296	0.0370	-0.1021	0.0428	0.64	0.4227
M_bin	1	-0.0823	0.0368	-0.1544	-0.0101	4.99	0.0255
C	1	-0.0340	0.0183	-0.0699	0.0019	3.45	0.0634
Dispersion	1	0.0000	0.0005	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1055.3686	1.0596
Scaled Deviance	996	1055.3686	1.0596
Pearson Chi-Square	996	948.7866	0.9526
Scaled Pearson X2	996	948.7866	0.9526
Log Likelihood		197.8443	
Full Log Likelihood		-1894.9563	
AIC (smaller is better)		3799.9127	
AICC (smaller is better)		3799.9730	
BIC (smaller is better)		3824.4514	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001156	-0.000601	-0.000484	-0.000280	1.0505E-9
Prm2	-0.000601	0.001405	-0.000179	0.0000303	3.259E-10
Prm3	-0.000484	-0.000179	0.001464	-0.000149	-1.422E-9
Prm4	-0.000280	0.0000303	-0.000149	0.0003260	-4.75E-10
Dispersion	1.0505E-9	3.259E-10	-1.422E-9	-4.75E-10	1.2123E-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	1.0287	0.0340	0.9621	1.0953	915.67	<.0001
A	1	0.1142	0.0375	0.0407	0.1876	9.28	0.0023
M_bin	1	-0.0079	0.0383	-0.0829	0.0671	0.04	0.8370
C	1	-0.0097	0.0181	-0.0451	0.0256	0.29	0.5893
Dispersion	1	0.0000	0.0003	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1048.6988	1.0529
Scaled Deviance	996	1048.6988	1.0529
Pearson Chi-Square	996	965.2315	0.9691
Scaled Pearson X2	996	965.2315	0.9691
Log Likelihood		303.3130	
Full Log Likelihood		-1911.3085	
AIC (smaller is better)		3832.6170	
AICC (smaller is better)		3832.6773	
BIC (smaller is better)		3857.1557	

WARNING: The relative Hessian convergence criterion of 14.295091255 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001109	-0.000586	-0.000555	-0.000254	0
Prm2	-0.000586	0.001353	-0.000061	0.0000149	0
Prm3	-0.000555	-0.000061	0.001368	-0.000100	0
Prm4	-0.000254	0.0000149	-0.000100	0.0003131	0
Dispersion	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	1.1757	0.0333	1.1104	1.2409	1245.82	<.0001
A	1	0.0389	0.0368	-0.0332	0.1110	1.12	0.2898
M_bin	1	-0.1099	0.0370	-0.1824	-0.0374	8.83	0.0030
C	1	-0.0395	0.0177	-0.0742	-0.0048	4.98	0.0256
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.DATA146
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1077.7124	1.0820
Scaled Deviance	996	1077.7124	1.0820
Pearson Chi-Square	996	963.7788	0.9676
Scaled Pearson X2	996	963.7788	0.9676
Log Likelihood		165.7192	
Full Log Likelihood		-1893.8725	
AIC (smaller is better)		3797.7451	
AICC (smaller is better)		3797.8054	
BIC (smaller is better)		3822.2838	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001183	-0.000576	-0.000568	-0.000295	1.1474E-8
Prm2	-0.000576	0.001422	-0.000112	6.8561E-6	-3.976E-9
Prm3	-0.000568	-0.000112	0.001421	-0.000079	-3.009E-9
Prm4	-0.000295	6.8561E-6	-0.000079	0.0003222	-7.83E-9
Dispersion	1.1474E-8	-3.976E-9	-3.009E-9	-7.83E-9	7.8833E-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	1.0978	0.0344	1.0304	1.1652	1018.85	<.0001
A	1	0.0750	0.0377	0.0011	0.1489	3.95	0.0468
M_bin	1	-0.0480	0.0377	-0.1219	0.0259	1.62	0.2028
C	1	-0.0481	0.0179	-0.0833	-0.0129	7.19	0.0073
Dispersion	1	0.0000	0.0009	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1005.8861	1.0099
Scaled Deviance	996	1005.8861	1.0099
Pearson Chi-Square	996	927.0507	0.9308
Scaled Pearson X2	996	927.0507	0.9308
Log Likelihood		297.2067	
Full Log Likelihood		-1894.4725	
AIC (smaller is better)		3798.9450	
AICC (smaller is better)		3799.0054	
BIC (smaller is better)		3823.4838	

WARNING: The relative Hessian convergence criterion of 45.904137439 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001175	-0.000586	-0.000600	-0.000254	0
Prm2	-0.000586	0.001345	-0.000064	-0.000015	0
Prm3	-0.000600	-0.000064	0.001378	-0.000104	0
Prm4	-0.000254	-0.000015	-0.000104	0.0003254	0
Dispersion	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	1.1252	0.0343	1.0580	1.1924	1077.00	<.0001
A	1	0.0554	0.0367	-0.0165	0.1273	2.28	0.1309
M_bin	1	0.0419	0.0371	-0.0309	0.1147	1.27	0.2591
C	1	-0.0763	0.0180	-0.1117	-0.0410	17.89	<.0001
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.DATA148
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1034.1499	1.0383
Scaled Deviance	996	1034.1499	1.0383
Pearson Chi-Square	996	920.9921	0.9247
Scaled Pearson X2	996	920.9921	0.9247
Log Likelihood		270.1879	
Full Log Likelihood		-1897.1712	
AIC (smaller is better)		3804.3424	
AICC (smaller is better)		3804.4027	
BIC (smaller is better)		3828.8811	

WARNING: The relative Hessian convergence criterion of 64.09719081 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001164	-0.000565	-0.000577	-0.000274	0
Prm2	-0.000565	0.001368	-0.000096	2.3472E-6	0
Prm3	-0.000577	-0.000096	0.001386	-0.000101	0
Prm4	-0.000274	2.3472E-6	-0.000101	0.0003248	0
Dispersion	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	1.1146	0.0341	1.0478	1.1815	1067.82	<.0001
A	1	0.0699	0.0370	-0.0026	0.1423	3.57	0.0589
M_bin	1	-0.0058	0.0372	-0.0788	0.0671	0.02	0.8755
C	1	-0.0519	0.0180	-0.0872	-0.0166	8.30	0.0040
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.DATA149
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1035.4305	1.0396
Scaled Deviance	996	1035.4305	1.0396
Pearson Chi-Square	996	916.7988	0.9205
Scaled Pearson X2	996	916.7988	0.9205
Log Likelihood		241.6045	
Full Log Likelihood		-1891.8579	
AIC (smaller is better)		3793.7159	
AICC (smaller is better)		3793.7762	
BIC (smaller is better)		3818.2546	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001090	-0.000520	-0.000550	-0.000264	6.5966E-9
Prm2	-0.000520	0.001413	-0.000128	3.324E-6	-8.981E-9
Prm3	-0.000550	-0.000128	0.001416	-0.000124	-4.812E-9
Prm4	-0.000264	3.324E-6	-0.000124	0.0003367	-4.3E-10
Dispersion	6.5966E-9	-8.981E-9	-4.812E-9	-4.3E-10	9.4458E-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	1.1416	0.0330	1.0769	1.2063	1195.78	<.0001
A	1	0.0116	0.0376	-0.0621	0.0853	0.10	0.7571
M_bin	1	-0.0141	0.0376	-0.0879	0.0596	0.14	0.7072
C	1	-0.0591	0.0183	-0.0950	-0.0231	10.36	0.0013
Dispersion	1	0.0000	0.0010	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1059.2965	1.0636
Scaled Deviance	996	1059.2965	1.0636
Pearson Chi-Square	996	924.0240	0.9277
Scaled Pearson X2	996	924.0240	0.9277
Log Likelihood		127.4480	
Full Log Likelihood		-1877.4443	
AIC (smaller is better)		3764.8886	
AICC (smaller is better)		3764.9490	
BIC (smaller is better)		3789.4274	

WARNING: The relative Hessian convergence criterion of 91.989847428 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001195	-0.000581	-0.000579	-0.000307	0
Prm2	-0.000581	0.001455	-0.000105	0.0000220	0
Prm3	-0.000579	-0.000105	0.001452	-0.000110	0
Prm4	-0.000307	0.0000220	-0.000110	0.0003539	0
Dispersion	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	1.1319	0.0346	1.0641	1.1996	1072.39	<.0001
A	1	-0.0020	0.0382	-0.0768	0.0728	0.00	0.9585
M_bin	1	-0.0281	0.0381	-0.1028	0.0466	0.54	0.4611
C	1	-0.0722	0.0188	-0.1090	-0.0353	14.72	0.0001
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.DATA151
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1104.5963	1.1090
Scaled Deviance	996	1104.5963	1.1090
Pearson Chi-Square	996	978.4992	0.9824
Scaled Pearson X2	996	978.4992	0.9824
Log Likelihood		200.1267	
Full Log Likelihood		-1911.8384	
AIC (smaller is better)		3833.6769	
AICC (smaller is better)		3833.7373	
BIC (smaller is better)		3858.2157	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001136	-0.000553	-0.000573	-0.000279	9.174E-10
Prm2	-0.000553	0.001416	-0.000062	-0.000011	-3.88E-10
Prm3	-0.000573	-0.000062	0.001405	-0.000091	-4.13E-10
Prm4	-0.000279	-0.000011	-0.000091	0.0003285	-5.38E-10
Dispersion	9.174E-10	-3.88E-10	-4.13E-10	-5.38E-10	8.1017E-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	1.1330	0.0337	1.0670	1.1991	1130.12	<.0001
A	1	0.0380	0.0376	-0.0358	0.1118	1.02	0.3127
M_bin	1	-0.0980	0.0375	-0.1714	-0.0245	6.83	0.0090
C	1	-0.0321	0.0181	-0.0676	0.0035	3.13	0.0768
Dispersion	1	0.0000	0.0003	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1116.4740	1.1210
Scaled Deviance	996	1116.4740	1.1210
Pearson Chi-Square	996	986.4095	0.9904
Scaled Pearson X2	996	986.4095	0.9904
Log Likelihood		217.3832	
Full Log Likelihood		-1918.6145	
AIC (smaller is better)		3847.2290	
AICC (smaller is better)		3847.2894	
BIC (smaller is better)		3871.7678	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001125	-0.000562	-0.000556	-0.000284	7.4131E-9
Prm2	-0.000562	0.001400	-0.000059	-0.000011	-4.86E-9
Prm3	-0.000556	-0.000059	0.001394	-0.000079	-2.673E-9
Prm4	-0.000284	-0.000011	-0.000079	0.0003330	-4.043E-9
Dispersion	7.4131E-9	-4.86E-9	-2.673E-9	-4.043E-9	6.2025E-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	1.1247	0.0335	1.0589	1.1904	1124.30	<.0001
A	1	0.0450	0.0374	-0.0283	0.1183	1.45	0.2289
M_bin	1	-0.0546	0.0373	-0.1278	0.0186	2.14	0.1437
C	1	-0.0446	0.0182	-0.0804	-0.0089	5.99	0.0144
Dispersion	1	0.0000	0.0008	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1004.7767	1.0088
Scaled Deviance	996	1004.7767	1.0088
Pearson Chi-Square	996	907.4491	0.9111
Scaled Pearson X2	996	907.4491	0.9111
Log Likelihood		275.8221	
Full Log Likelihood		-1891.3296	
AIC (smaller is better)		3792.6592	
AICC (smaller is better)		3792.7195	
BIC (smaller is better)		3817.1980	

WARNING: The relative Hessian convergence criterion of 72.415455525 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001095	-0.000569	-0.000545	-0.000252	0
Prm2	-0.000569	0.001361	-0.000048	-0.000015	0
Prm3	-0.000545	-0.000048	0.001376	-0.000096	0
Prm4	-0.000252	-0.000015	-0.000096	0.0003151	0
Dispersion	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	1.1429	0.0331	1.0781	1.2078	1193.45	<.0001
A	1	-0.0187	0.0369	-0.0910	0.0536	0.26	0.6123
M_bin	1	-0.0518	0.0371	-0.1245	0.0209	1.95	0.1630
C	1	-0.0178	0.0178	-0.0526	0.0170	1.00	0.3165
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.DATA154
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1024.4455	1.0286
Scaled Deviance	996	1024.4455	1.0286
Pearson Chi-Square	996	908.5018	0.9122
Scaled Pearson X2	996	908.5018	0.9122
Log Likelihood		222.4690	
Full Log Likelihood		-1885.7128	
AIC (smaller is better)		3781.4256	
AICC (smaller is better)		3781.4860	
BIC (smaller is better)		3805.9644	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001138	-0.000578	-0.000612	-0.000249	6.0952E-9
Prm2	-0.000578	0.001411	-0.000057	0.0000240	-2.274E-9
Prm3	-0.000612	-0.000057	0.001430	-0.000137	-1.774E-9
Prm4	-0.000249	0.0000240	-0.000137	0.0003383	-4.428E-9
Dispersion	6.0952E-9	-2.274E-9	-1.774E-9	-4.428E-9	4.2044E-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	1.1281	0.0337	1.0620	1.1942	1118.42	<.0001
A	1	-0.0862	0.0376	-0.1599	-0.0126	5.27	0.0217
M_bin	1	0.0607	0.0378	-0.0134	0.1348	2.58	0.1085
C	1	-0.0527	0.0184	-0.0888	-0.0167	8.22	0.0041
Dispersion	1	0.0000	0.0006	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1045.6004	1.0498
Scaled Deviance	996	1045.6004	1.0498
Pearson Chi-Square	996	942.1595	0.9459
Scaled Pearson X2	996	942.1595	0.9459
Log Likelihood		327.2490	
Full Log Likelihood		-1914.9251	
AIC (smaller is better)		3839.8502	
AICC (smaller is better)		3839.9105	
BIC (smaller is better)		3864.3889	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001093	-0.000548	-0.000494	-0.000283	5.369E-10
Prm2	-0.000548	0.001350	-0.000088	3.57E-6	4.743E-11
Prm3	-0.000494	-0.000088	0.001387	-0.000143	-4.12E-10
Prm4	-0.000283	3.57E-6	-0.000143	0.0003499	-3.48E-10
Dispersion	5.369E-10	4.743E-11	-4.12E-10	-3.48E-10	6.0545E-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	1.1614	0.0331	1.0966	1.2262	1233.77	<.0001
A	1	-0.0196	0.0367	-0.0916	0.0524	0.28	0.5943
M_bin	1	-0.0086	0.0372	-0.0816	0.0644	0.05	0.8169
C	1	-0.0405	0.0187	-0.0771	-0.0038	4.68	0.0305
Dispersion	1	0.0000	0.0002	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1050.2340	1.0545
Scaled Deviance	996	1050.2340	1.0545
Pearson Chi-Square	996	940.6116	0.9444
Scaled Pearson X2	996	940.6116	0.9444
Log Likelihood		269.2163	
Full Log Likelihood		-1904.8897	
AIC (smaller is better)		3819.7794	
AICC (smaller is better)		3819.8397	
BIC (smaller is better)		3844.3181	

WARNING: The relative Hessian convergence criterion of 34.699401798 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001160	-0.000590	-0.000527	-0.000301	0
Prm2	-0.000590	0.001362	-0.000086	9.2714E-6	0
Prm3	-0.000527	-0.000086	0.001386	-0.000109	0
Prm4	-0.000301	9.2714E-6	-0.000109	0.0003534	0
Dispersion	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	1.1486	0.0341	1.0819	1.2154	1137.76	<.0001
A	1	0.0313	0.0369	-0.0410	0.1036	0.72	0.3964
M_bin	1	-0.0543	0.0372	-0.1272	0.0187	2.13	0.1448
C	1	-0.0465	0.0188	-0.0833	-0.0096	6.12	0.0134
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.DATA157
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1080.1012	1.0844
Scaled Deviance	996	1080.1012	1.0844
Pearson Chi-Square	996	975.0868	0.9790
Scaled Pearson X2	996	975.0868	0.9790
Log Likelihood		341.6434	
Full Log Likelihood		-1932.2562	
AIC (smaller is better)		3874.5123	
AICC (smaller is better)		3874.5727	
BIC (smaller is better)		3899.0511	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001121	-0.000571	-0.000495	-0.000294	-9.06E-10
Prm2	-0.000571	0.001348	-0.000106	0.0000352	4.737E-10
Prm3	-0.000495	-0.000106	0.001370	-0.000126	6.179E-10
Prm4	-0.000294	0.0000352	-0.000126	0.0003310	3.87E-10
Dispersion	-9.06E-10	4.737E-10	6.179E-10	3.87E-10	3.3827E-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	1.1132	0.0335	1.0476	1.1788	1105.11	<.0001
A	1	0.0114	0.0367	-0.0605	0.0834	0.10	0.7558
M_bin	1	-0.0325	0.0370	-0.1051	0.0400	0.77	0.3796
C	1	0.0098	0.0182	-0.0259	0.0455	0.29	0.5902
Dispersion	1	0.0000	0.0006

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1100.9223	1.1053
Scaled Deviance	996	1100.9223	1.1053
Pearson Chi-Square	996	978.0640	0.9820
Scaled Pearson X2	996	978.0640	0.9820
Log Likelihood		356.0052	
Full Log Likelihood		-1937.8989	
AIC (smaller is better)		3885.7978	
AICC (smaller is better)		3885.8582	
BIC (smaller is better)		3910.3366	

WARNING: The relative Hessian convergence criterion of 4.4893090415 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001064	-0.000544	-0.000538	-0.000258	0
Prm2	-0.000544	0.001344	-0.000069	2.9028E-6	0
Prm3	-0.000538	-0.000069	0.001346	-0.000100	0
Prm4	-0.000258	2.9028E-6	-0.000100	0.0003284	0
Dispersion	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	1.1967	0.0326	1.1328	1.2606	1345.52	<.0001
A	1	-0.0084	0.0367	-0.0802	0.0635	0.05	0.8189
M_bin	1	-0.0392	0.0367	-0.1111	0.0327	1.14	0.2857
C	1	-0.0614	0.0181	-0.0969	-0.0259	11.48	0.0007
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.DATA159
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1005.5095	1.0095
Scaled Deviance	996	1005.5095	1.0095
Pearson Chi-Square	996	904.0892	0.9077
Scaled Pearson X2	996	904.0892	0.9077
Log Likelihood		363.5173	
Full Log Likelihood		-1900.4858	
AIC (smaller is better)		3810.9715	
AICC (smaller is better)		3811.0319	
BIC (smaller is better)		3835.5103	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001142	-0.000580	-0.000555	-0.000288	4.4145E-9
Prm2	-0.000580	0.001356	-0.000061	0.0000442	4.1491E-9
Prm3	-0.000555	-0.000061	0.001347	-0.000103	-8.392E-9
Prm4	-0.000288	0.0000442	-0.000103	0.0003191	-1.728E-9
Dispersion	4.4145E-9	4.1491E-9	-8.392E-9	-1.728E-9	3.1075E-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	1.1921	0.0338	1.1258	1.2583	1244.40	<.0001
A	1	0.0461	0.0368	-0.0261	0.1183	1.57	0.2109
M_bin	1	-0.0100	0.0367	-0.0819	0.0620	0.07	0.7856
C	1	-0.0864	0.0179	-0.1214	-0.0514	23.41	<.0001
Dispersion	1	0.0000	0.0006	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1040.5447	1.0447
Scaled Deviance	996	1040.5447	1.0447
Pearson Chi-Square	996	925.8700	0.9296
Scaled Pearson X2	996	925.8700	0.9296
Log Likelihood		174.4890	
Full Log Likelihood		-1883.4228	
AIC (smaller is better)		3776.8456	
AICC (smaller is better)		3776.9060	
BIC (smaller is better)		3801.3844	

WARNING: The relative Hessian convergence criterion of 61.312859899 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001141	-0.000572	-0.000548	-0.000295	0
Prm2	-0.000572	0.001435	-0.000119	0.0000274	0
Prm3	-0.000548	-0.000119	0.001426	-0.000098	0
Prm4	-0.000295	0.0000274	-0.000098	0.0003412	0
Dispersion	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	1.1301	0.0338	1.0638	1.1963	1118.81	<.0001
A	1	0.0147	0.0379	-0.0595	0.0890	0.15	0.6975
M_bin	1	-0.0439	0.0378	-0.1179	0.0301	1.35	0.2452
C	1	-0.0559	0.0185	-0.0921	-0.0197	9.17	0.0025
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.DATA161
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1125.0591	1.1296
Scaled Deviance	996	1125.0591	1.1296
Pearson Chi-Square	996	983.3638	0.9873
Scaled Pearson X2	996	983.3638	0.9873
Log Likelihood		290.0893	
Full Log Likelihood		-1931.8052	
AIC (smaller is better)		3873.6104	
AICC (smaller is better)		3873.6708	
BIC (smaller is better)		3898.1492	

WARNING: The relative Hessian convergence criterion of 2.5416846274 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001135	-0.000600	-0.000537	-0.000298	0
Prm2	-0.000600	0.001373	0.0000160	0.0000137	0
Prm3	-0.000537	0.0000160	0.001376	-0.000094	0
Prm4	-0.000298	0.0000137	-0.000094	0.0003282	0
Dispersion	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	1.1742	0.0337	1.1081	1.2402	1214.81	<.0001
A	1	-0.0058	0.0370	-0.0785	0.0668	0.02	0.8747
M_bin	1	-0.0659	0.0371	-0.1386	0.0068	3.16	0.0756
C	1	-0.0439	0.0181	-0.0794	-0.0084	5.86	0.0155
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.DATA162
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1046.3621	1.0506
Scaled Deviance	996	1046.3621	1.0506
Pearson Chi-Square	996	941.5997	0.9454
Scaled Pearson X2	996	941.5997	0.9454
Log Likelihood		325.2382	
Full Log Likelihood		-1914.9766	
AIC (smaller is better)		3839.9532	
AICC (smaller is better)		3840.0136	
BIC (smaller is better)		3864.4920	

WARNING: The relative Hessian convergence criterion of 25.392123855 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001078	-0.000524	-0.000519	-0.000270	0
Prm2	-0.000524	0.001371	-0.000114	0.0000121	0
Prm3	-0.000519	-0.000114	0.001380	-0.000127	0
Prm4	-0.000270	0.0000121	-0.000127	0.0003282	0
Dispersion	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	1.1580	0.0328	1.0937	1.2224	1243.51	<.0001
A	1	-0.0316	0.0370	-0.1042	0.0409	0.73	0.3930
M_bin	1	-0.0231	0.0371	-0.0959	0.0497	0.39	0.5342
C	1	-0.0258	0.0181	-0.0613	0.0097	2.03	0.1547
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.DATA163
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1056.2400	1.0605
Scaled Deviance	996	1056.2400	1.0605
Pearson Chi-Square	996	941.9934	0.9458
Scaled Pearson X2	996	941.9934	0.9458
Log Likelihood		311.0581	
Full Log Likelihood		-1913.4969	
AIC (smaller is better)		3836.9938	
AICC (smaller is better)		3837.0542	
BIC (smaller is better)		3861.5326	

WARNING: The relative Hessian convergence criterion of 35.966547336 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001123	-0.000600	-0.000570	-0.000271	0
Prm2	-0.000600	0.001365	-0.000020	0.0000330	0
Prm3	-0.000570	-0.000020	0.001354	-0.000084	0
Prm4	-0.000271	0.0000330	-0.000084	0.0003111	0
Dispersion	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	1.1735	0.0335	1.1079	1.2392	1226.49	<.0001
A	1	0.0144	0.0369	-0.0580	0.0868	0.15	0.6961
M_bin	1	-0.0509	0.0368	-0.1230	0.0212	1.91	0.1666
C	1	-0.0539	0.0176	-0.0884	-0.0193	9.32	0.0023
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.DATA164
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1151.8202	1.1564
Scaled Deviance	996	1151.8202	1.1564
Pearson Chi-Square	996	999.5894	1.0036
Scaled Pearson X2	996	999.5894	1.0036
Log Likelihood		185.1224	
Full Log Likelihood		-1938.0035	
AIC (smaller is better)		3886.0069	
AICC (smaller is better)		3886.0673	
BIC (smaller is better)		3910.5457	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001363	-0.000663	-0.000683	-0.000336	3.1252E-6
Prm2	-0.000663	0.001458	-0.000066	0.0000461	1.9182E-7
Prm3	-0.000683	-0.000066	0.001461	-0.000075	-2.518E-6
Prm4	-0.000336	0.0000461	-0.000075	0.0003515	-1.78E-6
Dispersion	3.1252E-6	1.9182E-7	-2.518E-6	-1.78E-6	0.0002862

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.0990	0.0369	1.0267	1.1714	886.10	<.0001
A	1	0.0445	0.0382	-0.0303	0.1194	1.36	0.2435
M_bin	1	0.0036	0.0382	-0.0713	0.0785	0.01	0.9253
C	1	-0.0564	0.0187	-0.0932	-0.0197	9.06	0.0026
Dispersion	1	0.0125	0.0169	0.0009	0.1766		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1130.9195	1.1355
Scaled Deviance	996	1130.9195	1.1355
Pearson Chi-Square	996	1002.9773	1.0070
Scaled Pearson X2	996	1002.9773	1.0070
Log Likelihood		278.1803	
Full Log Likelihood		-1951.2277	
AIC (smaller is better)		3912.4554	
AICC (smaller is better)		3912.5157	
BIC (smaller is better)		3936.9941	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001124	-0.000565	-0.000520	-0.000300	2.4255E-6
Prm2	-0.000565	0.001477	-0.000173	0.0000578	-1.439E-6
Prm3	-0.000520	-0.000173	0.001453	-0.000120	9.7405E-8
Prm4	-0.000300	0.0000578	-0.000120	0.0003390	-1.898E-6
Dispersion	2.4255E-6	-1.439E-6	9.7405E-8	-1.898E-6	0.0002581

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1422	0.0335	1.0765	1.2080	1160.69	<.0001
A	1	0.0123	0.0384	-0.0631	0.0876	0.10	0.7495
M_bin	1	-0.0686	0.0381	-0.1433	0.0061	3.24	0.0718
C	1	-0.0209	0.0184	-0.0570	0.0152	1.28	0.2571
Dispersion	1	0.0130	0.0161	0.0011	0.1471		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1079.3557	1.0837
Scaled Deviance	996	1079.3557	1.0837
Pearson Chi-Square	996	965.0613	0.9689
Scaled Pearson X2	996	965.0613	0.9689
Log Likelihood		207.5140	
Full Log Likelihood		-1904.5088	
AIC (smaller is better)		3819.0175	
AICC (smaller is better)		3819.0779	
BIC (smaller is better)		3843.5563	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001126	-0.000568	-0.000545	-0.000284	3.1729E-9
Prm2	-0.000568	0.001404	-0.000095	6.0912E-6	1.4339E-9
Prm3	-0.000545	-0.000095	0.001404	-0.000087	-6.43E-10
Prm4	-0.000284	6.0912E-6	-0.000087	0.0003315	-3.483E-9
Dispersion	3.1729E-9	1.4339E-9	-6.43E-10	-3.483E-9	3.4392E-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	1.1287	0.0335	1.0629	1.1944	1131.81	<.0001
A	1	-0.0019	0.0375	-0.0754	0.0715	0.00	0.9594
M_bin	1	-0.0214	0.0375	-0.0948	0.0521	0.33	0.5684
C	1	-0.0477	0.0182	-0.0834	-0.0120	6.85	0.0088
Dispersion	1	0.0000	0.0006	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1033.5204	1.0377
Scaled Deviance	996	1033.5204	1.0377
Pearson Chi-Square	996	914.5068	0.9182
Scaled Pearson X2	996	914.5068	0.9182
Log Likelihood		281.5044	
Full Log Likelihood		-1899.3535	
AIC (smaller is better)		3808.7069	
AICC (smaller is better)		3808.7673	
BIC (smaller is better)		3833.2457	

WARNING: The relative Hessian convergence criterion of 58.623051835 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001037	-0.000532	-0.000541	-0.000236	0
Prm2	-0.000532	0.001388	-3.106E-6	-0.000045	0
Prm3	-0.000541	-3.106E-6	0.001384	-0.000106	0
Prm4	-0.000236	-0.000045	-0.000106	0.0003137	0
Dispersion	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	1.1629	0.0322	1.0998	1.2260	1304.17	<.0001
A	1	0.0207	0.0372	-0.0523	0.0937	0.31	0.5790
M_bin	1	-0.0563	0.0372	-0.1293	0.0166	2.29	0.1299
C	1	-0.0525	0.0177	-0.0872	-0.0177	8.77	0.0031
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.DATA168
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1154.3174	1.1590
Scaled Deviance	996	1154.3174	1.1590
Pearson Chi-Square	996	998.3412	1.0024
Scaled Pearson X2	996	998.3412	1.0024
Log Likelihood		287.9067	
Full Log Likelihood		-1969.4162	
AIC (smaller is better)		3948.8325	
AICC (smaller is better)		3948.8928	
BIC (smaller is better)		3973.3712	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001254	-0.000619	-0.000591	-0.000337	8.0986E-7
Prm2	-0.000619	0.001473	-0.000078	0.0000365	-7.69E-7
Prm3	-0.000591	-0.000078	0.001455	-0.000087	-1.561E-6
Prm4	-0.000337	0.0000365	-0.000087	0.0003551	2.7238E-7
Dispersion	8.0986E-7	-7.69E-7	-1.561E-6	2.7238E-7	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	1.1334	0.0354	1.0640	1.2028	1024.11	<.0001
A	1	0.0163	0.0384	-0.0589	0.0915	0.18	0.6714
M_bin	1	-0.0240	0.0381	-0.0988	0.0508	0.40	0.5293
C	1	-0.0318	0.0188	-0.0687	0.0051	2.85	0.0916
Dispersion	1	0.0229	0.0168	0.0054	0.0965		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1070.5586	1.0749
Scaled Deviance	996	1070.5586	1.0749
Pearson Chi-Square	996	941.0916	0.9449
Scaled Pearson X2	996	941.0916	0.9449
Log Likelihood		184.3341	
Full Log Likelihood		-1891.2667	
AIC (smaller is better)		3792.5335	
AICC (smaller is better)		3792.5938	
BIC (smaller is better)		3817.0722	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001034	-0.000548	-0.000512	-0.000239	2.924E-10
Prm2	-0.000548	0.001427	-0.000100	-0.000012	-3.49E-10
Prm3	-0.000512	-0.000100	0.001456	-0.000138	-5.97E-11
Prm4	-0.000239	-0.000012	-0.000138	0.0003416	-1.22E-10
Dispersion	2.924E-10	-3.49E-10	-5.97E-11	-1.22E-10	2.6816E-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	1.1677	0.0322	1.1047	1.2308	1318.80	<.0001
A	1	-0.0013	0.0378	-0.0754	0.0727	0.00	0.9721
M_bin	1	-0.0962	0.0382	-0.1710	-0.0214	6.35	0.0117
C	1	-0.0646	0.0185	-0.1009	-0.0284	12.24	0.0005
Dispersion	1	0.0000	0.0002	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1107.9883	1.1124
Scaled Deviance	996	1107.9883	1.1124
Pearson Chi-Square	996	967.6928	0.9716
Scaled Pearson X2	996	967.6928	0.9716
Log Likelihood		243.6269	
Full Log Likelihood		-1920.1327	
AIC (smaller is better)		3850.2655	
AICC (smaller is better)		3850.3258	
BIC (smaller is better)		3874.8042	

WARNING: The relative Hessian convergence criterion of 11.107913175 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001270	-0.000657	-0.000667	-0.000293	0
Prm2	-0.000657	0.001377	0.0000201	0.0000341	0
Prm3	-0.000667	0.0000201	0.001373	-0.000063	0
Prm4	-0.000293	0.0000341	-0.000063	0.0003147	0
Dispersion	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	1.1373	0.0356	1.0674	1.2071	1018.05	<.0001
A	1	0.0077	0.0371	-0.0650	0.0805	0.04	0.8351
M_bin	1	-0.0334	0.0371	-0.1060	0.0392	0.81	0.3675
C	1	-0.0411	0.0177	-0.0759	-0.0063	5.37	0.0205
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.DATA171
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1099.9903	1.1044
Scaled Deviance	996	1099.9903	1.1044
Pearson Chi-Square	996	970.8250	0.9747
Scaled Pearson X2	996	970.8250	0.9747
Log Likelihood		312.7185	
Full Log Likelihood		-1931.3050	
AIC (smaller is better)		3872.6100	
AICC (smaller is better)		3872.6704	
BIC (smaller is better)		3897.1488	

WARNING: The relative Hessian convergence criterion of 6.2578086717 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001132	-0.000464	-0.000532	-0.000314	0
Prm2	-0.000464	0.001391	-0.000148	-0.000032	0
Prm3	-0.000532	-0.000148	0.001381	-0.000111	0
Prm4	-0.000314	-0.000032	-0.000111	0.0003622	0
Dispersion	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	1.1255	0.0336	1.0596	1.1915	1119.07	<.0001
A	1	0.0220	0.0373	-0.0511	0.0951	0.35	0.5560
M_bin	1	0.0406	0.0372	-0.0323	0.1134	1.19	0.2749
C	1	-0.0486	0.0190	-0.0859	-0.0113	6.53	0.0106
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.DATA172
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1063.0092	1.0673
Scaled Deviance	996	1063.0092	1.0673
Pearson Chi-Square	996	944.1262	0.9479
Scaled Pearson X2	996	944.1262	0.9479
Log Likelihood		291.8577	
Full Log Likelihood		-1914.8380	
AIC (smaller is better)		3839.6760	
AICC (smaller is better)		3839.7364	
BIC (smaller is better)		3864.2148	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001134	-0.000563	-0.000569	-0.000280	8.459E-10
Prm2	-0.000563	0.001372	-0.000086	0.0000208	-1.168E-9
Prm3	-0.000569	-0.000086	0.001353	-0.000060	-4.17E-10
Prm4	-0.000280	0.0000208	-0.000060	0.0003005	-1.4E-10
Dispersion	8.459E-10	-1.168E-9	-4.17E-10	-1.4E-10	8.8272E-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	1.1329	0.0337	1.0669	1.1989	1131.73	<.0001
A	1	-0.0023	0.0370	-0.0749	0.0703	0.00	0.9512
M_bin	1	-0.0109	0.0368	-0.0830	0.0612	0.09	0.7666
C	1	-0.0290	0.0173	-0.0630	0.0049	2.81	0.0938
Dispersion	1	0.0000	0.0003	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1048.3549	1.0526
Scaled Deviance	996	1048.3549	1.0526
Pearson Chi-Square	996	926.3731	0.9301
Scaled Pearson X2	996	926.3731	0.9301
Log Likelihood		266.4889	
Full Log Likelihood		-1895.4962	
AIC (smaller is better)		3800.9923	
AICC (smaller is better)		3801.0527	
BIC (smaller is better)		3825.5311	

WARNING: The relative Hessian convergence criterion of 63.337505153 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001199	-0.000639	-0.000597	-0.000297	0
Prm2	-0.000639	0.001359	-0.000014	9.807E-6	0
Prm3	-0.000597	-0.000014	0.001363	-0.000048	0
Prm4	-0.000297	9.807E-6	-0.000048	0.0003379	0
Dispersion	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	1.0873	0.0346	1.0194	1.1551	986.11	<.0001
A	1	0.1516	0.0369	0.0794	0.2239	16.92	<.0001
M_bin	1	0.0171	0.0369	-0.0553	0.0895	0.21	0.6435
C	1	-0.0816	0.0184	-0.1177	-0.0456	19.72	<.0001
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.DATA174
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1081.9002	1.0862
Scaled Deviance	996	1081.9002	1.0862
Pearson Chi-Square	996	978.1822	0.9821
Scaled Pearson X2	996	978.1822	0.9821
Log Likelihood		376.2901	
Full Log Likelihood		-1935.8513	
AIC (smaller is better)		3881.7026	
AICC (smaller is better)		3881.7630	
BIC (smaller is better)		3906.2414	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001085	-0.000529	-0.000550	-0.000268	1.0692E-9
Prm2	-0.000529	0.001349	-0.000073	9.0051E-6	4.204E-10
Prm3	-0.000550	-0.000073	0.001339	-0.000100	-1.383E-9
Prm4	-0.000268	9.0051E-6	-0.000100	0.0003221	-5.34E-10
Dispersion	1.0692E-9	4.204E-10	-1.383E-9	-5.34E-10	3.574E-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	1.1688	0.0329	1.1042	1.2334	1259.00	<.0001
A	1	0.0281	0.0367	-0.0439	0.1000	0.58	0.4450
M_bin	1	0.0029	0.0366	-0.0688	0.0747	0.01	0.9363
C	1	-0.0605	0.0179	-0.0957	-0.0253	11.37	0.0007
Dispersion	1	0.0000	0.0006	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1072.7165	1.0770
Scaled Deviance	996	1072.7165	1.0770
Pearson Chi-Square	996	940.4759	0.9443
Scaled Pearson X2	996	940.4759	0.9443
Log Likelihood		318.1909	
Full Log Likelihood		-1920.2268	
AIC (smaller is better)		3850.4536	
AICC (smaller is better)		3850.5140	
BIC (smaller is better)		3874.9924	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001123	-0.000531	-0.000551	-0.000287	1.529E-9
Prm2	-0.000531	0.001360	-0.000074	-9.733E-6	-8.81E-10
Prm3	-0.000551	-0.000074	0.001359	-0.000100	-5.02E-10
Prm4	-0.000287	-9.733E-6	-0.000100	0.0003375	-8.77E-10
Dispersion	1.529E-9	-8.81E-10	-5.02E-10	-8.77E-10	1.7064E-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	1.1479	0.0335	1.0822	1.2135	1172.84	<.0001
A	1	-0.0312	0.0369	-0.1035	0.0411	0.71	0.3980
M_bin	1	-0.0075	0.0369	-0.0797	0.0648	0.04	0.8393
C	1	-0.0252	0.0184	-0.0612	0.0108	1.88	0.1703
Dispersion	1	0.0000	0.0004	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1023.7209	1.0278
Scaled Deviance	996	1023.7209	1.0278
Pearson Chi-Square	996	913.0312	0.9167
Scaled Pearson X2	996	913.0312	0.9167
Log Likelihood		280.4396	
Full Log Likelihood		-1896.2660	
AIC (smaller is better)		3802.5320	
AICC (smaller is better)		3802.5924	
BIC (smaller is better)		3827.0708	

WARNING: The relative Hessian convergence criterion of 0.0013857028 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001137	-0.000563	-0.000512	-0.000317	2.5374E-7
Prm2	-0.000563	0.001382	-0.000075	0.0000190	-1.152E-7
Prm3	-0.000512	-0.000075	0.001378	-0.000095	-1.071E-7
Prm4	-0.000317	0.0000190	-0.000095	0.0003424	-1.465E-7
Dispersion	2.5374E-7	-1.152E-7	-1.071E-7	-1.465E-7	0.0000208

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1676	0.0337	1.1015	1.2337	1199.31	<.0001
A	1	-0.0126	0.0372	-0.0855	0.0603	0.11	0.7350
M_bin	1	-0.0467	0.0371	-0.1195	0.0260	1.59	0.2079
C	1	-0.0451	0.0185	-0.0814	-0.0088	5.94	0.0148
Dispersion	1	0.0000	0.0046	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1049.6638	1.0539
Scaled Deviance	996	1049.6638	1.0539
Pearson Chi-Square	996	958.1802	0.9620
Scaled Pearson X2	996	958.1802	0.9620
Log Likelihood		379.5874	
Full Log Likelihood		-1926.3036	
AIC (smaller is better)		3862.6073	
AICC (smaller is better)		3862.6676	
BIC (smaller is better)		3887.1460	

WARNING: The relative Hessian convergence criterion of 14.960834303 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001076	-0.000549	-0.000529	-0.000263	0
Prm2	-0.000549	0.001332	-0.000079	0.0000113	0
Prm3	-0.000529	-0.000079	0.001327	-0.000074	0
Prm4	-0.000263	0.0000113	-0.000074	0.0002977	0
Dispersion	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	1.1825	0.0328	1.1182	1.2468	1298.92	<.0001
A	1	-0.0032	0.0365	-0.0747	0.0683	0.01	0.9296
M_bin	1	-0.0112	0.0364	-0.0826	0.0602	0.09	0.7593
C	1	-0.0528	0.0173	-0.0866	-0.0190	9.37	0.0022
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.DATA178
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1009.3206	1.0134
Scaled Deviance	996	1009.3206	1.0134
Pearson Chi-Square	996	897.5146	0.9011
Scaled Pearson X2	996	897.5146	0.9011
Log Likelihood		335.2162	
Full Log Likelihood		-1900.3183	
AIC (smaller is better)		3810.6366	
AICC (smaller is better)		3810.6969	
BIC (smaller is better)		3835.1753	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001062	-0.000553	-0.000449	-0.000310	3.3986E-9
Prm2	-0.000553	0.001381	-0.000129	0.0000458	2.929E-11
Prm3	-0.000449	-0.000129	0.001384	-0.000112	-1.134E-9
Prm4	-0.000310	0.0000458	-0.000112	0.0003440	-2.861E-9
Dispersion	3.3986E-9	2.929E-11	-1.134E-9	-2.861E-9	2.1072E-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	1.2010	0.0326	1.1371	1.2649	1357.87	<.0001
A	1	-0.0380	0.0372	-0.1108	0.0349	1.04	0.3069
M_bin	1	-0.0896	0.0372	-0.1625	-0.0167	5.80	0.0160
C	1	-0.0354	0.0185	-0.0718	0.0009	3.65	0.0562
Dispersion	1	0.0000	0.0005	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1070.9794	1.0753
Scaled Deviance	996	1070.9794	1.0753
Pearson Chi-Square	996	950.6619	0.9545
Scaled Pearson X2	996	950.6619	0.9545
Log Likelihood		341.5066	
Full Log Likelihood		-1923.4501	
AIC (smaller is better)		3856.9003	
AICC (smaller is better)		3856.9607	
BIC (smaller is better)		3881.4391	

WARNING: The relative Hessian convergence criterion of 26.307982388 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001141	-0.000577	-0.000563	-0.000268	0
Prm2	-0.000577	0.001329	-0.000087	-2.876E-6	0
Prm3	-0.000563	-0.000087	0.001344	-0.000081	0
Prm4	-0.000268	-2.876E-6	-0.000081	0.0003249	0
Dispersion	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	1.1376	0.0338	1.0714	1.2038	1134.54	<.0001
A	1	0.0921	0.0365	0.0207	0.1636	6.39	0.0115
M_bin	1	-0.0357	0.0367	-0.1076	0.0362	0.95	0.3303
C	1	-0.0526	0.0180	-0.0879	-0.0173	8.52	0.0035
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.DATA180
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1034.2911	1.0384
Scaled Deviance	996	1034.2911	1.0384
Pearson Chi-Square	996	921.1323	0.9248
Scaled Pearson X2	996	921.1323	0.9248
Log Likelihood		349.5321	
Full Log Likelihood		-1912.0605	
AIC (smaller is better)		3834.1211	
AICC (smaller is better)		3834.1815	
BIC (smaller is better)		3858.6599	

WARNING: The relative Hessian convergence criterion of 44.440316582 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001119	-0.000563	-0.000561	-0.000265	0
Prm2	-0.000563	0.001339	-3.787E-6	-0.000016	0
Prm3	-0.000561	-3.787E-6	0.001350	-0.000107	0
Prm4	-0.000265	-0.000016	-0.000107	0.0003228	0
Dispersion	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	1.2063	0.0335	1.1407	1.2718	1300.05	<.0001
A	1	-0.0046	0.0366	-0.0763	0.0671	0.02	0.9000
M_bin	1	-0.0829	0.0367	-0.1549	-0.0108	5.08	0.0241
C	1	-0.0478	0.0180	-0.0830	-0.0126	7.09	0.0078
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1000.4555	1.0045
Scaled Deviance	996	1000.4555	1.0045
Pearson Chi-Square	996	902.3998	0.9060
Scaled Pearson X2	996	902.3998	0.9060
Log Likelihood		309.8067	
Full Log Likelihood		-1893.3113	
AIC (smaller is better)		3796.6226	
AICC (smaller is better)		3796.6830	
BIC (smaller is better)		3821.1614	

WARNING: The relative Hessian convergence criterion of 79.951834773 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001038	-0.000568	-0.000487	-0.000243	0
Prm2	-0.000568	0.001368	-0.000149	0.0000357	0
Prm3	-0.000487	-0.000149	0.001381	-0.000091	0
Prm4	-0.000243	0.0000357	-0.000091	0.0002837	0
Dispersion	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	1.1456	0.0322	1.0824	1.2087	1264.31	<.0001
A	1	0.0415	0.0370	-0.0309	0.1140	1.26	0.2613
M_bin	1	-0.0232	0.0372	-0.0960	0.0497	0.39	0.5331
C	1	-0.0529	0.0168	-0.0859	-0.0199	9.88	0.0017
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.DATA182
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1045.0841	1.0493
Scaled Deviance	996	1045.0841	1.0493
Pearson Chi-Square	996	923.9051	0.9276
Scaled Pearson X2	996	923.9051	0.9276
Log Likelihood		385.9403	
Full Log Likelihood		-1921.8700	
AIC (smaller is better)		3853.7400	
AICC (smaller is better)		3853.8003	
BIC (smaller is better)		3878.2788	

WARNING: The relative Hessian convergence criterion of 40.365493108 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001078	-0.000536	-0.000543	-0.000273	0
Prm2	-0.000536	0.001345	-0.000032	2.104E-6	0
Prm3	-0.000543	-0.000032	0.001337	-0.000111	0
Prm4	-0.000273	2.104E-6	-0.000111	0.0003376	0
Dispersion	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	1.1806	0.0328	1.1162	1.2449	1293.01	<.0001
A	1	-0.0107	0.0367	-0.0826	0.0612	0.08	0.7707
M_bin	1	-0.0139	0.0366	-0.0855	0.0578	0.14	0.7047
C	1	-0.0453	0.0184	-0.0813	-0.0093	6.09	0.0136
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.DATA183
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1079.7021	1.0840
Scaled Deviance	996	1079.7021	1.0840
Pearson Chi-Square	996	967.3209	0.9712
Scaled Pearson X2	996	967.3209	0.9712
Log Likelihood		305.2784	
Full Log Likelihood		-1921.2806	
AIC (smaller is better)		3852.5612	
AICC (smaller is better)		3852.6216	
BIC (smaller is better)		3877.1000	

WARNING: The relative Hessian convergence criterion of 12.296992453 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001037	-0.000485	-0.000530	-0.000262	0
Prm2	-0.000485	0.001392	-0.000079	-0.000048	0
Prm3	-0.000530	-0.000079	0.001365	-0.000088	0
Prm4	-0.000262	-0.000048	-0.000088	0.0003330	0
Dispersion	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	1.1669	0.0322	1.1038	1.2300	1313.23	<.0001
A	1	0.0449	0.0373	-0.0282	0.1181	1.45	0.2283
M_bin	1	-0.0623	0.0370	-0.1348	0.0101	2.85	0.0916
C	1	-0.0556	0.0182	-0.0914	-0.0199	9.30	0.0023
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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1054.4678	1.0587
Scaled Deviance	996	1054.4678	1.0587
Pearson Chi-Square	996	917.5823	0.9213
Scaled Pearson X2	996	917.5823	0.9213
Log Likelihood		229.7139	
Full Log Likelihood		-1894.2514	
AIC (smaller is better)		3798.5028	
AICC (smaller is better)		3798.5632	
BIC (smaller is better)		3823.0416	

WARNING: The relative Hessian convergence criterion of 0.0043351014 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001144	-0.000560	-0.000556	-0.000285	1.0647E-6
Prm2	-0.000560	0.001409	-0.000084	0.0000176	-6.478E-7
Prm3	-0.000556	-0.000084	0.001424	-0.000139	-5.85E-7
Prm4	-0.000285	0.0000176	-0.000139	0.0003472	-4.764E-7
Dispersion	1.0647E-6	-6.478E-7	-5.85E-7	-4.764E-7	0.0000608

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1473	0.0338	1.0810	1.2136	1150.35	<.0001
A	1	0.0181	0.0375	-0.0555	0.0917	0.23	0.6297
M_bin	1	-0.0489	0.0377	-0.1228	0.0251	1.68	0.1954
C	1	-0.0513	0.0186	-0.0878	-0.0148	7.57	0.0059
Dispersion	1	0.0000	0.0078	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1119.0751	1.1236
Scaled Deviance	996	1119.0751	1.1236
Pearson Chi-Square	996	1004.1059	1.0081
Scaled Pearson X2	996	1004.1059	1.0081
Log Likelihood		351.5723	
Full Log Likelihood		-1964.3115	
AIC (smaller is better)		3938.6230	
AICC (smaller is better)		3938.6834	
BIC (smaller is better)		3963.1618	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001162	-0.000580	-0.000557	-0.000288	6.7649E-7
Prm2	-0.000580	0.001395	-0.000035	-0.000021	8.5021E-8
Prm3	-0.000557	-0.000035	0.001421	-0.000127	9.7746E-9
Prm4	-0.000288	-0.000021	-0.000127	0.0003612	-7.136E-7
Dispersion	6.7649E-7	8.5021E-8	9.7746E-9	-7.136E-7	0.0002478

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1522	0.0341	1.0854	1.2190	1142.55	<.0001
A	1	0.0202	0.0374	-0.0531	0.0934	0.29	0.5895
M_bin	1	-0.0562	0.0377	-0.1301	0.0177	2.22	0.1359
C	1	-0.0184	0.0190	-0.0557	0.0188	0.94	0.3320
Dispersion	1	0.0155	0.0157	0.0021	0.1133		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1051.1602	1.0554
Scaled Deviance	996	1051.1602	1.0554
Pearson Chi-Square	996	967.1528	0.9710
Scaled Pearson X2	996	967.1528	0.9710
Log Likelihood		282.0223	
Full Log Likelihood		-1911.3571	
AIC (smaller is better)		3832.7142	
AICC (smaller is better)		3832.7746	
BIC (smaller is better)		3857.2530	

WARNING: The relative Hessian convergence criterion of 10.050643458 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001127	-0.000575	-0.000590	-0.000247	0
Prm2	-0.000575	0.001366	-0.000053	9.7031E-6	0
Prm3	-0.000590	-0.000053	0.001369	-0.000089	0
Prm4	-0.000247	9.7031E-6	-0.000089	0.0002949	0
Dispersion	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	1.1365	0.0336	1.0707	1.2023	1145.68	<.0001
A	1	0.0102	0.0370	-0.0623	0.0826	0.08	0.7826
M_bin	1	-0.0221	0.0370	-0.0947	0.0504	0.36	0.5495
C	1	-0.0359	0.0172	-0.0696	-0.0022	4.37	0.0366
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.DATA187
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1026.0046	1.0301
Scaled Deviance	996	1026.0046	1.0301
Pearson Chi-Square	996	911.4813	0.9151
Scaled Pearson X2	996	911.4813	0.9151
Log Likelihood		275.7868	
Full Log Likelihood		-1897.2218	
AIC (smaller is better)		3804.4437	
AICC (smaller is better)		3804.5040	
BIC (smaller is better)		3828.9824	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001137	-0.000571	-0.000501	-0.000300	1.0142E-9
Prm2	-0.000571	0.001378	-0.000088	0.0000236	1.604E-10
Prm3	-0.000501	-0.000088	0.001394	-0.000120	-9.18E-10
Prm4	-0.000300	0.0000236	-0.000120	0.0003269	-5.93E-10
Dispersion	1.0142E-9	1.604E-10	-9.18E-10	-5.93E-10	2.6607E-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	1.1305	0.0337	1.0644	1.1966	1124.16	<.0001
A	1	0.0159	0.0371	-0.0568	0.0887	0.18	0.6680
M_bin	1	-0.0457	0.0373	-0.1189	0.0275	1.50	0.2210
C	1	-0.0216	0.0181	-0.0570	0.0138	1.43	0.2324
Dispersion	1	0.0000	0.0005	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1074.9977	1.0793
Scaled Deviance	996	1074.9977	1.0793
Pearson Chi-Square	996	955.8675	0.9597
Scaled Pearson X2	996	955.8675	0.9597
Log Likelihood		247.8190	
Full Log Likelihood		-1911.1522	
AIC (smaller is better)		3832.3044	
AICC (smaller is better)		3832.3647	
BIC (smaller is better)		3856.8431	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001127	-0.000496	-0.000597	-0.000274	2.1012E-9
Prm2	-0.000496	0.001409	-0.000138	-0.000019	-9.23E-12
Prm3	-0.000597	-0.000138	0.001399	-0.000092	-9.89E-10
Prm4	-0.000274	-0.000019	-0.000092	0.0003443	-1.594E-9
Dispersion	2.1012E-9	-9.23E-12	-9.89E-10	-1.594E-9	1.9552E-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	1.1308	0.0336	1.0650	1.1966	1134.40	<.0001
A	1	0.0321	0.0375	-0.0415	0.1057	0.73	0.3926
M_bin	1	-0.0514	0.0374	-0.1248	0.0219	1.89	0.1691
C	1	-0.0342	0.0186	-0.0706	0.0022	3.40	0.0654
Dispersion	1	0.0000	0.0004	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1109.6814	1.1141
Scaled Deviance	996	1109.6814	1.1141
Pearson Chi-Square	996	999.1778	1.0032
Scaled Pearson X2	996	999.1778	1.0032
Log Likelihood		241.2225	
Full Log Likelihood		-1922.8984	
AIC (smaller is better)		3855.7968	
AICC (smaller is better)		3855.8572	
BIC (smaller is better)		3880.3356	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001224	-0.000553	-0.000642	-0.000299	2.1327E-9
Prm2	-0.000553	0.001389	-0.000037	-0.000024	-1.94E-10
Prm3	-0.000642	-0.000037	0.001376	-0.000064	-1.201E-9
Prm4	-0.000299	-0.000024	-0.000064	0.0003321	-1.342E-9
Dispersion	2.1327E-9	-1.94E-10	-1.201E-9	-1.342E-9	2.5152E-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	1.1001	0.0350	1.0315	1.1686	988.99	<.0001
A	1	0.1000	0.0373	0.0269	0.1730	7.20	0.0073
M_bin	1	-0.0403	0.0371	-0.1130	0.0324	1.18	0.2773
C	1	-0.0386	0.0182	-0.0743	-0.0029	4.48	0.0342
Dispersion	1	0.0000	0.0005	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1141.7112	1.1463
Scaled Deviance	996	1141.7112	1.1463
Pearson Chi-Square	996	999.1134	1.0031
Scaled Pearson X2	996	999.1134	1.0031
Log Likelihood		296.9058	
Full Log Likelihood		-1938.5106	
AIC (smaller is better)		3887.0213	
AICC (smaller is better)		3887.0816	
BIC (smaller is better)		3911.5601	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001124	-0.000594	-0.000534	-0.000266	1.1395E-9
Prm2	-0.000594	0.001349	-0.000059	2.6304E-6	5.794E-10
Prm3	-0.000534	-0.000059	0.001375	-0.000104	3.091E-11
Prm4	-0.000266	2.6304E-6	-0.000104	0.0003229	-1.404E-9
Dispersion	1.1395E-9	5.794E-10	3.091E-11	-1.404E-9	8.2484E-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	1.1502	0.0335	1.0845	1.2159	1176.60	<.0001
A	1	0.0902	0.0367	0.0183	0.1622	6.04	0.0140
M_bin	1	-0.0863	0.0371	-0.1589	-0.0136	5.41	0.0200
C	1	-0.0521	0.0180	-0.0873	-0.0168	8.39	0.0038
Dispersion	1	0.0000	0.0003	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1104.8337	1.1093
Scaled Deviance	996	1104.8337	1.1093
Pearson Chi-Square	996	963.9907	0.9679
Scaled Pearson X2	996	963.9907	0.9679
Log Likelihood		353.4526	
Full Log Likelihood		-1935.6660	
AIC (smaller is better)		3881.3320	
AICC (smaller is better)		3881.3924	
BIC (smaller is better)		3905.8708	

WARNING: The relative Hessian convergence criterion of 10.524962508 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001074	-0.000527	-0.000558	-0.000268	0
Prm2	-0.000527	0.001360	-0.000047	-6.383E-6	0
Prm3	-0.000558	-0.000047	0.001335	-0.000080	0
Prm4	-0.000268	-6.383E-6	-0.000080	0.0003240	0
Dispersion	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	1.2034	0.0328	1.1392	1.2676	1348.61	<.0001
A	1	-0.0156	0.0369	-0.0879	0.0567	0.18	0.6725
M_bin	1	-0.1136	0.0365	-0.1852	-0.0420	9.67	0.0019
C	1	-0.0265	0.0180	-0.0617	0.0088	2.16	0.1415
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.DATA192
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1139.1926	1.1438
Scaled Deviance	996	1139.1926	1.1438
Pearson Chi-Square	996	1004.7999	1.0088
Scaled Pearson X2	996	1004.7999	1.0088
Log Likelihood		368.9482	
Full Log Likelihood		-1970.0139	
AIC (smaller is better)		3950.0278	
AICC (smaller is better)		3950.0881	
BIC (smaller is better)		3974.5665	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001224	-0.000652	-0.000639	-0.000289	3.5341E-6
Prm2	-0.000652	0.001390	0.0000455	0.0000278	-2.481E-6
Prm3	-0.000639	0.0000455	0.001380	-0.000073	-1.658E-7
Prm4	-0.000289	0.0000278	-0.000073	0.0003231	-2.397E-6
Dispersion	3.5341E-6	-2.481E-6	-1.658E-7	-2.397E-6	0.0002556

The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1727	0.0350	1.1041	1.2413	1123.33	<.0001
A	1	0.0464	0.0373	-0.0267	0.1195	1.55	0.2137
M_bin	1	-0.0528	0.0371	-0.1256	0.0200	2.02	0.1552
C	1	-0.0474	0.0180	-0.0827	-0.0122	6.97	0.0083
Dispersion	1	0.0135	0.0160	0.0013	0.1373		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1050.8787	1.0551
Scaled Deviance	996	1050.8787	1.0551
Pearson Chi-Square	996	926.7500	0.9305
Scaled Pearson X2	996	926.7500	0.9305
Log Likelihood		225.5491	
Full Log Likelihood		-1895.1634	
AIC (smaller is better)		3800.3269	
AICC (smaller is better)		3800.3872	
BIC (smaller is better)		3824.8656	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001093	-0.000554	-0.000456	-0.000303	1.0688E-8
Prm2	-0.000554	0.001409	-0.000123	0.0000153	-1.372E-9
Prm3	-0.000456	-0.000123	0.001451	-0.000157	-3.338E-9
Prm4	-0.000303	0.0000153	-0.000157	0.0003630	-8.203E-9
Dispersion	1.0688E-8	-1.372E-9	-3.338E-9	-8.203E-9	7.9979E-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	1.1375	0.0331	1.0727	1.2023	1183.81	<.0001
A	1	0.0199	0.0375	-0.0537	0.0934	0.28	0.5965
M_bin	1	-0.0464	0.0381	-0.1210	0.0283	1.48	0.2235
C	1	-0.0468	0.0191	-0.0842	-0.0095	6.04	0.0140
Dispersion	1	0.0000	0.0009	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1044.3647	1.0486
Scaled Deviance	996	1044.3647	1.0486
Pearson Chi-Square	996	907.1130	0.9108
Scaled Pearson X2	996	907.1130	0.9108
Log Likelihood		274.8346	
Full Log Likelihood		-1900.0786	
AIC (smaller is better)		3810.1571	
AICC (smaller is better)		3810.2175	
BIC (smaller is better)		3834.6959	

WARNING: The relative Hessian convergence criterion of 0.0003853013 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001080	-0.000547	-0.000516	-0.000271	7.3938E-8
Prm2	-0.000547	0.001367	-0.000077	-0.000030	-5.553E-8
Prm3	-0.000516	-0.000077	0.001381	-0.000089	-1.817E-8
Prm4	-0.000271	-0.000030	-0.000089	0.0003375	-4.093E-8
Dispersion	7.3938E-8	-5.553E-8	-1.817E-8	-4.093E-8	5.2411E-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	1.1699	0.0329	1.1055	1.2343	1267.24	<.0001
A	1	-0.0090	0.0370	-0.0814	0.0635	0.06	0.8083
M_bin	1	-0.0833	0.0372	-0.1561	-0.0104	5.02	0.0251
C	1	-0.0364	0.0184	-0.0724	-0.0004	3.93	0.0473
Dispersion	1	0.0000	0.0023	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1075.7148	1.0800
Scaled Deviance	996	1075.7148	1.0800
Pearson Chi-Square	996	944.2302	0.9480
Scaled Pearson X2	996	944.2302	0.9480
Log Likelihood		219.8325	
Full Log Likelihood		-1902.5191	
AIC (smaller is better)		3815.0383	
AICC (smaller is better)		3815.0986	
BIC (smaller is better)		3839.5770	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001119	-0.000583	-0.000612	-0.000235	7.237E-10
Prm2	-0.000583	0.001402	-0.000020	2.6957E-6	-5.75E-10
Prm3	-0.000612	-0.000020	0.001406	-0.000108	-6.33E-11
Prm4	-0.000235	2.6957E-6	-0.000108	0.0003115	-4.7E-10
Dispersion	7.237E-10	-5.75E-10	-6.33E-11	-4.7E-10	6.4428E-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	1.1074	0.0335	1.0418	1.1730	1095.93	<.0001
A	1	-0.0074	0.0374	-0.0808	0.0659	0.04	0.8425
M_bin	1	0.0361	0.0375	-0.0374	0.1096	0.93	0.3356
C	1	-0.0513	0.0176	-0.0859	-0.0167	8.46	0.0036
Dispersion	1	0.0000	0.0003	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1118.2123	1.1227
Scaled Deviance	996	1118.2123	1.1227
Pearson Chi-Square	996	972.7012	0.9766
Scaled Pearson X2	996	972.7012	0.9766
Log Likelihood		275.9403	
Full Log Likelihood		-1927.1854	
AIC (smaller is better)		3864.3707	
AICC (smaller is better)		3864.4311	
BIC (smaller is better)		3888.9095	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001180	-0.000544	-0.000576	-0.000292	1.7235E-9
Prm2	-0.000544	0.001369	-0.000145	-5.766E-6	-3.865E-9
Prm3	-0.000576	-0.000145	0.001375	-0.000069	2.203E-10
Prm4	-0.000292	-5.766E-6	-0.000069	0.0003248	-9.48E-11
Dispersion	1.7235E-9	-3.865E-9	2.203E-10	-9.48E-11	2.8835E-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	1.1299	0.0344	1.0626	1.1972	1081.51	<.0001
A	1	0.0565	0.0370	-0.0160	0.1291	2.34	0.1265
M_bin	1	-0.0497	0.0371	-0.1224	0.0229	1.80	0.1798
C	1	-0.0366	0.0180	-0.0719	-0.0013	4.12	0.0424
Dispersion	1	0.0000	0.0005	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1042.2046	1.0464
Scaled Deviance	996	1042.2046	1.0464
Pearson Chi-Square	996	919.9841	0.9237
Scaled Pearson X2	996	919.9841	0.9237
Log Likelihood		347.5144	
Full Log Likelihood		-1914.0895	
AIC (smaller is better)		3838.1790	
AICC (smaller is better)		3838.2394	
BIC (smaller is better)		3862.7178	

WARNING: The relative Hessian convergence criterion of 40.66297935 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001058	-0.000516	-0.000535	-0.000285	0
Prm2	-0.000516	0.001372	-0.000042	-0.000014	0
Prm3	-0.000535	-0.000042	0.001339	-0.000072	0
Prm4	-0.000285	-0.000014	-0.000072	0.0003369	0
Dispersion	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	1.2017	0.0325	1.1379	1.2654	1364.83	<.0001
A	1	-0.0194	0.0370	-0.0920	0.0532	0.27	0.6005
M_bin	1	-0.1003	0.0366	-0.1720	-0.0286	7.51	0.0061
C	1	-0.0344	0.0184	-0.0704	0.0016	3.51	0.0610
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.DATA198
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1069.5615	1.0739
Scaled Deviance	996	1069.5615	1.0739
Pearson Chi-Square	996	973.6997	0.9776
Scaled Pearson X2	996	973.6997	0.9776
Log Likelihood		213.9760	
Full Log Likelihood		-1904.3314	
AIC (smaller is better)		3818.6627	
AICC (smaller is better)		3818.7231	
BIC (smaller is better)		3843.2015	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001243	-0.000612	-0.000604	-0.000308	2.865E-9
Prm2	-0.000612	0.001384	-0.000018	-1.09E-6	-1.466E-9
Prm3	-0.000604	-0.000018	0.001391	-0.000084	-2.347E-9
Prm4	-0.000308	-1.09E-6	-0.000084	0.0003368	-9.82E-10
Dispersion	2.865E-9	-1.466E-9	-2.347E-9	-9.82E-10	2.5871E-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	1.0751	0.0353	1.0060	1.1442	930.12	<.0001
A	1	0.0577	0.0372	-0.0153	0.1306	2.40	0.1212
M_bin	1	0.0437	0.0373	-0.0295	0.1168	1.37	0.2419
C	1	-0.0477	0.0184	-0.0836	-0.0117	6.75	0.0094
Dispersion	1	0.0000	0.0005	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	1111.1964	1.1157
Scaled Deviance	996	1111.1964	1.1157
Pearson Chi-Square	996	978.6191	0.9825
Scaled Pearson X2	996	978.6191	0.9825
Log Likelihood		142.4074	
Full Log Likelihood		-1903.9393	
AIC (smaller is better)		3817.8786	
AICC (smaller is better)		3817.9390	
BIC (smaller is better)		3842.4174	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001163	-0.000609	-0.000578	-0.000269	1.7678E-9
Prm2	-0.000609	0.001430	-0.000057	0.0000204	-1.246E-9
Prm3	-0.000578	-0.000057	0.001452	-0.000129	-1.69E-10
Prm4	-0.000269	0.0000204	-0.000129	0.0003358	-1.169E-9
Dispersion	1.7678E-9	-1.246E-9	-1.69E-10	-1.169E-9	3.0934E-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	1.0681	0.0341	1.0013	1.1350	980.78	<.0001
A	1	0.0166	0.0378	-0.0575	0.0907	0.19	0.6604
M_bin	1	0.0021	0.0381	-0.0726	0.0768	0.00	0.9560
C	1	-0.0274	0.0183	-0.0633	0.0085	2.24	0.1349
Dispersion	1	0.0000	0.0006	.	.		

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_noint

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	996	997.6197	1.0016
Scaled Deviance	996	997.6197	1.0016
Pearson Chi-Square	996	899.1967	0.9028
Scaled Pearson X2	996	899.1967	0.9028
Log Likelihood		335.9770	
Full Log Likelihood		-1897.0875	
AIC (smaller is better)		3804.1750	
AICC (smaller is better)		3804.2354	
BIC (smaller is better)		3828.7138	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.001098	-0.000541	-0.000536	-0.000261	1.1761E-9
Prm2	-0.000541	0.001350	-0.000088	4.004E-6	2.661E-10
Prm3	-0.000536	-0.000088	0.001366	-0.000113	-1.258E-9
Prm4	-0.000261	4.004E-6	-0.000113	0.0003117	-6.28E-10
Dispersion	1.1761E-9	2.661E-10	-1.258E-9	-6.28E-10	1.1295E-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	1.1603	0.0331	1.0954	1.2252	1226.49	<.0001
A	1	-0.0012	0.0367	-0.0732	0.0708	0.00	0.9742
M_bin	1	-0.0024	0.0370	-0.0748	0.0700	0.00	0.9479
C	1	-0.0471	0.0177	-0.0817	-0.0125	7.12	0.0076
Dispersion	1	0.0000	0.0003	.	.		

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_noint

Number of Observations Read	100000
Number of Observations Used	100000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	1E5	107850.5218	1.0785
Scaled Deviance	1E5	107850.5218	1.0785
Pearson Chi-Square	1E5	95945.2078	0.9595
Scaled Pearson X2	1E5	95945.2078	0.9595
Log Likelihood		27745.1543	
Full Log Likelihood		-191647.5734	
AIC (smaller is better)		383305.1467	
AICC (smaller is better)		383305.1473	
BIC (smaller is better)		383352.7114	

WARNING: The relative Hessian convergence criterion of 1636.0702568 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Dispersion
Prm1	0.0000113	-5.63E-6	-5.521E-6	-2.808E-6	0
Prm2	-5.63E-6	0.0000137	-7.263E-7	9.0158E-8	0
Prm3	-5.521E-6	-7.263E-7	0.0000138	-9.747E-7	0
Prm4	-2.808E-6	9.0158E-8	-9.747E-7	3.2956E-6	0
Dispersion	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	1.1464	0.0034	1.1398	1.1530	116593	<.0001
A	1	0.0207	0.0037	0.0135	0.0280	31.29	<.0001
M_bin	1	-0.0367	0.0037	-0.0439	-0.0294	97.70	<.0001
C	1	-0.0447	0.0018	-0.0482	-0.0411	605.01	<.0001
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

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	50625
2	0	49375

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	138615.81	136293.25
SC	138625.32	136321.78
-2 Log L	138613.81	136287.25

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2326.5647	2	<.0001	
Score	2301.8198	2	<.0001	
Wald	2253.3529	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3615	0.0108	1123.4028	<.0001
A	1	0.2114	0.0130	266.5769	<.0001
C	1	0.2870	0.00639	2019.5074	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.235	1.204	1.267
C	1.332	1.316	1.349

The LOGISTIC Procedure

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.0	Somers' D	0.180
Percent Discordant	41.0	Gamma	0.180
Percent Tied	0.0	Tau-a	0.090
Pairs	2499609375	c	0.590

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.02188	0.041518	0.94011	1.12093
2	marginal pnde	1.02188	0.041518	0.94011	1.12093
3	marginal pnie	0.99806	0.002347	0.99169	1.00200
4	marginal tnde	1.02188	0.041518	0.94011	1.12093
5	marginal tnie	0.99806	0.002347	0.99169	1.00200
6	marginal total effect	1.01991	0.041827	0.94128	1.11980
7	conditional cde	1.02188	0.041518	0.94011	1.12093
8	conditional pnde	1.02188	0.041518	0.94011	1.12093
9	conditional pnie	0.99806	0.002347	0.99169	1.00200
10	conditional tnde	1.02188	0.041518	0.94011	1.12093
11	conditional tnie	0.99806	0.002347	0.99169	1.00200
12	conditional total effect	1.01991	0.041826	0.94128	1.11980

The PHREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Ycen_noint
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	9424.423	9402.219
AIC	9424.423	9408.219
SBC	9424.423	9422.030

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	22.2044	3	<.0001
Score	22.3346	3	<.0001
Wald	22.2832	3	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04583	0.07513	0.3722	0.5418	0.955
M_bin	1	-0.10989	0.07511	2.1405	0.1435	0.896
C	1	-0.15141	0.03706	16.6944	<.0001	0.859

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056438215	0.0000410365	-.0000189003
M_bin	0.0000410365	0.0056420295	-.0005284675
C	-.0000189003	-.0005284675	0.0013732786

The PHREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Ycen_noint
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	9700.698	9677.464
AIC	9700.698	9683.464
SBC	9700.698	9697.376

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.2331	3	<.0001	
Score	23.5873	3	<.0001	
Wald	23.5230	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16217	0.07369	4.8435	0.0278	0.850
M_bin	1	-0.10513	0.07354	2.0436	0.1529	0.900
C	1	-0.13478	0.03566	14.2879	0.0002	0.874

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054296527	-.0001276803	-.0000097394
M_bin	-.0001276803	0.0054084452	-.0003976177
C	-.0000097394	-.0003976177	0.0012713742

The PHREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Ycen_noint
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	730	270	27.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9335.010	9325.161
AIC	9335.010	9331.161
SBC	9335.010	9344.940

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.8488	3	0.0199	
Score	9.8235	3	0.0201	
Wald	9.8075	3	0.0203	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.15715	0.07651	4.2189	0.0400	0.855
M_bin	1	-0.06056	0.07456	0.6598	0.4166	0.941
C	1	-0.07728	0.03643	4.4992	0.0339	0.926

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0058536647	-.0002408231	0.0000631544
M_bin	-.0002408231	0.0055588114	-.0002979901
C	0.0000631544	-.0002979901	0.0013273888

The PHREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Ycen_noint
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	9502.294	9474.541
AIC	9502.294	9480.541
SBC	9502.294	9494.382

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	27.7521	3	<.0001	
Score	27.8653	3	<.0001	
Wald	27.7790	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.24399	0.07446	10.7385	0.0010	0.783
M_bin	1	-0.13691	0.07387	3.4346	0.0638	0.872
C	1	-0.13087	0.03649	12.8643	0.0003	0.877

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055439247	-.0003650357	0.0001888466
M_bin	-.0003650357	0.0054572348	-.0002540158
C	0.0001888466	-.0002540158	0.0013314068

The PHREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Ycen_noint
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	9457.759	9425.737
AIC	9457.759	9431.737
SBC	9457.759	9445.561

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.0223	3	<.0001	
Score	32.4502	3	<.0001	
Wald	32.3448	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.24782	0.07487	10.9547	0.0009	0.781
M_bin	1	-0.02749	0.07506	0.1341	0.7142	0.973
C	1	-0.15825	0.03538	20.0092	<.0001	0.854

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056062154	-.0003550864	0.0000641109
M_bin	-.0003550864	0.0056333961	-.0005099254
C	0.0000641109	-.0005099254	0.0012515444

The PHREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Ycen_noint
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	9391.145	9386.543
AIC	9391.145	9392.543
SBC	9391.145	9406.343

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.6013	3	0.2034	
Score	4.5946	3	0.2040	
Wald	4.5935	3	0.2041	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.01516	0.07535	0.0405	0.8405	0.985
M_bin	1	-0.03263	0.07524	0.1881	0.6645	0.968
C	1	-0.07304	0.03701	3.8940	0.0485	0.930

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056768929	-0.0002714711	0.0001489823
M_bin	-0.0002714711	0.0056615843	-0.0005329588
C	0.0001489823	-0.0005329588	0.0013699609

The PHREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Ycen_noint
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	9776.944	9751.926
AIC	9776.944	9757.926
SBC	9776.944	9771.865

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.0181	3	<.0001	
Score	25.1986	3	<.0001	
Wald	25.1320	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16662	0.07333	5.1625	0.0231	0.847
M_bin	1	-0.11233	0.07300	2.3683	0.1238	0.894
C	1	-0.14042	0.03621	15.0372	0.0001	0.869

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053778077	-.0000455302	-.0000309590
M_bin	-.0000455302	0.0053282905	-.0003992550
C	-.0000309590	-.0003992550	0.0013113479

The PHREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Ycen_noint
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	9468.772	9446.538
AIC	9468.772	9452.538
SBC	9468.772	9466.366

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	22.2337	3	<.0001	
Score	22.1375	3	<.0001	
Wald	22.0001	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.30428	0.07537	16.2993	<.0001	0.738
M_bin	1	-0.02356	0.07456	0.0999	0.7520	0.977
C	1	-0.08592	0.03775	5.1816	0.0228	0.918

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056804835	-.0002636194	0.0000359182
M_bin	-.0002636194	0.0055598236	-.0004414476
C	0.0000359182	-.0004414476	0.0014247325

The PHREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Ycen_noint
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	9744.207	9729.408
AIC	9744.207	9735.408
SBC	9744.207	9749.335

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.7988	3	0.0020	
Score	14.8486	3	0.0020	
Wald	14.8215	3	0.0020	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12854	0.07315	3.0878	0.0789	0.879
M_bin	1	-0.05110	0.07291	0.4913	0.4834	0.950
C	1	-0.11492	0.03562	10.4061	0.0013	0.891

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053504378	-.0003804670	0.0000175615
M_bin	-.0003804670	0.0053161036	-.0002827813
C	0.0000175615	-.0002827813	0.0012691221

The PHREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Ycen_noint
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	9634.585	9624.290
AIC	9634.585	9630.290
SBC	9634.585	9644.178

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	10.2950	3	0.0162	
Score	10.2859	3	0.0163	
Wald	10.2828	3	0.0163	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.000262	0.07325	0.0013	0.9714	0.997
M_bin	1	-0.07028	0.07385	0.9054	0.3413	0.932
C	1	-0.10689	0.03720	8.2577	0.0041	0.899

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053655301	-.0002948333	0.0000550229
M_bin	-.0002948333	0.0054545250	-.0004329111
C	0.0000550229	-.0004329111	0.0013837145

The PHREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Ycen_noint
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	9787.951	9772.235
AIC	9787.951	9778.235
SBC	9787.951	9792.178

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	15.7165	3	0.0013	
Score	15.7704	3	0.0013	
Wald	15.7515	3	0.0013	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.17535	0.07318	5.7423	0.0166	0.839
M_bin	1	0.02786	0.07277	0.1466	0.7018	1.028
C	1	-0.11844	0.03654	10.5044	0.0012	0.888

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053548802	-.0003993076	0.0000939078
M_bin	-.0003993076	0.0052959615	-.0003243685
C	0.0000939078	-.0003243685	0.0013353397

The PHREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Ycen_noint
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	9535.489	9522.457
AIC	9535.489	9528.457
SBC	9535.489	9542.309

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	13.0327	3	0.0046	
Score	13.0544	3	0.0045	
Wald	13.0393	3	0.0046	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08315	0.07426	1.2537	0.2629	0.920
M_bin	1	-0.06070	0.07393	0.6743	0.4116	0.941
C	1	-0.11009	0.03420	10.3588	0.0013	0.896

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055143602	0.0001887740	0.0000212621
M_bin	0.0001887740	0.0054653291	-.0003341970
C	0.0000212621	-.0003341970	0.0011699355

The PHREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Ycen_noint
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	9424.213	9401.316
AIC	9424.213	9407.316
SBC	9424.213	9421.128

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	22.8972	3	<.0001	
Score	23.0437	3	<.0001	
Wald	22.9861	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07094	0.07505	0.8933	0.3446	0.932
M_bin	1	-0.14911	0.07463	3.9917	0.0457	0.861
C	1	-0.14238	0.03606	15.5892	<.0001	0.867

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056331507	-.0001504505	0.0002105808
M_bin	-.0001504505	0.0055698499	-.0004119798
C	0.0002105808	-.0004119798	0.0013004142

The PHREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Ycen_noint
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	730	270	27.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9335.001	9325.583
AIC	9335.001	9331.583
SBC	9335.001	9345.362

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.4184	3	0.0242	
Score	9.4323	3	0.0241	
Wald	9.4285	3	0.0241	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.044436	0.07556	0.3447	0.5571	0.957
M_bin	1	0.0008283	0.07544	0.0001	0.9912	1.001
C	1	-0.11212	0.03763	8.8771	0.0029	0.894

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057086818	-.0003748032	0.0001094286
M_bin	-.0003748032	0.0056916437	-.0005194083
C	0.0001094286	-.0005194083	0.0014161906

The PHREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Ycen_noint
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	9390.946	9386.174
AIC	9390.946	9392.174
SBC	9390.946	9405.974

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	4.7725	3	0.1892
Score	4.7529	3	0.1908
Wald	4.7510	3	0.1910

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.03011	0.07475	0.1622	0.6871	1.031
M_bin	1	-0.08052	0.07511	1.1491	0.2837	0.923
C	1	-0.05721	0.03571	2.5668	0.1091	0.944

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055869734	-.0002020370	0.0002005501
M_bin	-.0002020370	0.0056422526	-.0004972466
C	0.0002005501	-.0004972466	0.0012752561

The PHREG Procedure

Model Information	
Data Set	WORK.DATA116
Dependent Variable	Ycen_noint
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	9546.685	9519.713
AIC	9546.685	9525.713
SBC	9546.685	9539.569

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	26.9714	3	<.0001
Score	27.2279	3	<.0001
Wald	27.1532	3	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.22843	0.07492	9.2955	0.0023	0.796
M_bin	1	-0.01021	0.07434	0.0189	0.8907	0.990
C	1	-0.15839	0.03662	18.7105	<.0001	0.854

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056137175	-.0005124893	0.0002256358
M_bin	-.0005124893	0.0055257584	-.0004402684
C	0.0002256358	-.0004402684	0.0013407955

The PHREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Ycen_noint
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	743	257	25.70

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9480.059	9457.954
AIC	9480.059	9463.954
SBC	9480.059	9477.786

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	22.1053	3	<.0001	
Score	22.3143	3	<.0001	
Wald	22.2504	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.11818	0.07416	2.5397	0.1110	0.889
M_bin	1	-0.18161	0.07384	6.0485	0.0139	0.834
C	1	-0.12406	0.03664	11.4664	0.0007	0.883

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054990939	-.0000204921	-.0000389094
M_bin	-.0000204921	0.0054530340	-.0002873107
C	-.0000389094	-.0002873107	0.0013422948

The PHREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Ycen_noint
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	9645.806	9622.793
AIC	9645.806	9628.793
SBC	9645.806	9642.685

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.0132	3	<.0001	
Score	22.9141	3	<.0001	
Wald	22.8746	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.000805	0.07371	0.0119	0.9130	0.992
M_bin	1	-0.08563	0.07325	1.3665	0.2424	0.918
C	1	-0.16694	0.03697	20.3933	<.0001	0.846

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054328795	-.0004100120	0.0000651904
M_bin	-.0004100120	0.0053659322	-.0002373242
C	0.0000651904	-.0002373242	0.0013664999

The PHREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Ycen_noint
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	9568.672	9546.582
AIC	9568.672	9552.582
SBC	9568.672	9566.447

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	22.0900	3	<.0001	
Score	22.2588	3	<.0001	
Wald	22.1919	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09197	0.07460	1.5199	0.2176	0.912
M_bin	1	-0.16290	0.07436	4.7993	0.0285	0.850
C	1	-0.13159	0.03671	12.8487	0.0003	0.877

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055656514	-.0005434653	0.0001735893
M_bin	-.0005434653	0.0055293993	-.0004259891
C	0.0001735893	-.0004259891	0.0013476062

The PHREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Ycen_noint
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	9601.651	9579.851
AIC	9601.651	9585.851
SBC	9601.651	9599.728

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.7998	3	<.0001	
Score	21.9568	3	<.0001	
Wald	21.8992	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07974	0.07334	1.1819	0.2770	0.923
M_bin	1	-0.13988	0.07520	3.4594	0.0629	0.869
C	1	-0.13095	0.03670	12.7349	0.0004	0.877

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053794801	-.0002166115	0.0000406291
M_bin	-.0002166115	0.0056556969	-.0006669506
C	0.0000406291	-.0006669506	0.0013466021

The PHREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Ycen_noint
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	9722.378	9705.790
AIC	9722.378	9711.790
SBC	9722.378	9725.709

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	16.5879	3	0.0009	
Score	16.7050	3	0.0008	
Wald	16.6728	3	0.0008	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12336	0.07369	2.8028	0.0941	0.884
M_bin	1	-0.11369	0.07367	2.3816	0.1228	0.893
C	1	-0.10989	0.03556	9.5521	0.0020	0.896

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054295268	-.0005575599	0.0001211812
M_bin	-.0005575599	0.0054274672	-.0003894464
C	0.0001211812	-.0003894464	0.0012642683

The PHREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Ycen_noint
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	9256.381	9237.561
AIC	9256.381	9243.561
SBC	9256.381	9257.311

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	18.8202	3	0.0003	
Score	18.8968	3	0.0003	
Wald	18.8400	3	0.0003	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.11258	0.07508	2.2484	0.1338	0.894
M_bin	1	-0.22059	0.07527	8.5893	0.0034	0.802
C	1	-0.09612	0.03655	6.9180	0.0085	0.908

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056367064	-.0001349082	0.0002176205
M_bin	-.0001349082	0.0056651990	-.0002457552
C	0.0002176205	-.0002457552	0.0013356117

The PHREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Ycen_noint
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	9601.643	9586.863
AIC	9601.643	9592.863
SBC	9601.643	9606.739

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.7797	3	0.0020	
Score	14.8023	3	0.0020	
Wald	14.7824	3	0.0020	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.05936	0.07379	0.6472	0.4211	0.942
M_bin	1	-0.07846	0.07383	1.1293	0.2879	0.925
C	1	-0.12469	0.03628	11.8082	0.0006	0.883

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054448363	0.0000606636	0.0001596073
M_bin	0.0000606636	0.0054504781	-.0004252055
C	0.0001596073	-.0004252055	0.0013165931

The PHREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Ycen_noint
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	9368.345	9332.641
AIC	9368.345	9338.641
SBC	9368.345	9352.432

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	35.7043	3	<.0001	
Score	36.0665	3	<.0001	
Wald	35.8332	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04962	0.07538	0.4334	0.5103	0.952
M_bin	1	-0.27206	0.07595	12.8312	0.0003	0.762
C	1	-0.14032	0.03606	15.1399	<.0001	0.869

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056826922	-.0004970083	0.0001205804
M_bin	-.0004970083	0.0057683305	-.0005588049
C	0.0001205804	-.0005588049	0.0013004609

The PHREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Ycen_noint
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	9402.062	9380.255
AIC	9402.062	9386.255
SBC	9402.062	9400.059

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.8062	3	<.0001	
Score	21.7612	3	<.0001	
Wald	21.7251	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.10066	0.07550	1.7776	0.1824	0.904
M_bin	1	-0.04192	0.07541	0.3090	0.5783	0.959
C	1	-0.15831	0.03700	18.3091	<.0001	0.854

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057006566	-.0007599761	0.0000681564
M_bin	-.0007599761	0.0056872703	-.0004156549
C	0.0000681564	-.0004156549	0.0013688292

The PHREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Ycen_noint
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	9711.394	9695.474
AIC	9711.394	9701.474
SBC	9711.394	9715.390

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	15.9200	3	0.0012	
Score	15.9453	3	0.0012	
Wald	15.9271	3	0.0012	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07832	0.07368	1.1299	0.2878	0.925
M_bin	1	-0.07735	0.07330	1.1134	0.2913	0.926
C	1	-0.12722	0.03618	12.3652	0.0004	0.881

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054293912	0.0000153750	0.0000629451
M_bin	0.0000153750	0.0053735613	-.0004106686
C	0.0000629451	-.0004106686	0.0013090041

The PHREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Ycen_noint
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	9634.705	9617.311
AIC	9634.705	9623.311
SBC	9634.705	9637.199

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	17.3938	3	0.0006	
Score	17.4577	3	0.0006	
Wald	17.4313	3	0.0006	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08746	0.07394	1.3993	0.2368	0.916
M_bin	1	-0.01111	0.07336	0.0230	0.8796	0.989
C	1	-0.13869	0.03505	15.6559	<.0001	0.870

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054669982	-.0001984525	0.0000243551
M_bin	-.0001984525	0.0053814683	-.0003135798
C	0.0000243551	-.0003135798	0.0012286207

The PHREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Ycen_noint
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	766	234	23.40

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9733.261	9715.446
AIC	9733.261	9721.446
SBC	9733.261	9735.370

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	17.8142	3	0.0005	
Score	17.8398	3	0.0005	
Wald	17.8057	3	0.0005	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08648	0.07309	1.4000	0.2367	0.917
M_bin	1	0.00994	0.07369	0.0182	0.8927	1.010
C	1	-0.14518	0.03597	16.2932	<.0001	0.865

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053426046	0.0001741395	0.0000747069
M_bin	0.0001741395	0.0054306720	-.0005067729
C	0.0000747069	-.0005067729	0.0012935425

The PHREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Ycen_noint
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	791	209	20.90

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	10003.831	9997.159
AIC	10003.831	10003.159
SBC	10003.831	10017.178

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	6.6724	3	0.0831	
Score	6.7101	3	0.0817	
Wald	6.7046	3	0.0819	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09924	0.07225	1.8866	0.1696	0.906
M_bin	1	-0.09364	0.07227	1.6785	0.1951	0.911
C	1	-0.05275	0.03375	2.4422	0.1181	0.949

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0052207442	-.0001302178	0.0000943666
M_bin	-.0001302178	0.0052235462	-.0003921072
C	0.0000943666	-.0003921072	0.0011392370

The PHREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Ycen_noint
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	9612.835	9592.823
AIC	9612.835	9598.823
SBC	9612.835	9612.703

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	20.0118	3	0.0002	
Score	20.0869	3	0.0002	
Wald	20.0525	3	0.0002	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12210	0.07412	2.7138	0.0995	0.885
M_bin	1	-0.08254	0.07375	1.2526	0.2631	0.921
C	1	-0.13893	0.03681	14.2442	0.0002	0.870

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054934430	0.0000497795	-.0000326122
M_bin	0.0000497795	0.0054395185	-.0004227721
C	-.0000326122	-.0004227721	0.0013550013

The PHREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Ycen_noint
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	9700.673	9692.923
AIC	9700.673	9698.923
SBC	9700.673	9712.835

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.7501	3	0.0515	
Score	7.7989	3	0.0504	
Wald	7.7932	3	0.0505	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09509	0.07344	1.6765	0.1954	0.909
M_bin	1	-0.06100	0.07387	0.6820	0.4089	0.941
C	1	-0.07670	0.03471	4.8818	0.0271	0.926

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053939889	-.0004033034	0.0002530052
M_bin	-.0004033034	0.0054568109	-.0004743539
C	0.0002530052	-.0004743539	0.0012049320

The PHREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Ycen_noint
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	9656.663	9644.233
AIC	9656.663	9650.233
SBC	9656.663	9664.129

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	12.4305	3	0.0060	
Score	12.4551	3	0.0060	
Wald	12.4389	3	0.0060	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08869	0.07395	1.4384	0.2304	0.915
M_bin	1	-0.04361	0.07351	0.3520	0.5530	0.957
C	1	-0.10739	0.03408	9.9312	0.0016	0.898

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054684263	-.0002181242	0.0000633884
M_bin	-.0002181242	0.0054039976	-.0003749733
C	0.0000633884	-.0003749733	0.0011613091

The PHREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Ycen_noint
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	9744.267	9737.776
AIC	9744.267	9743.776
SBC	9744.267	9757.704

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	6.4913	3	0.0900	
Score	6.4751	3	0.0907	
Wald	6.4662	3	0.0910	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.15525	0.07343	4.4701	0.0345	0.856
M_bin	1	0.02171	0.07326	0.0878	0.7670	1.022
C	1	-0.05315	0.03632	2.1408	0.1434	0.948

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053921620	-.0003863839	0.0000655536
M_bin	-.0003863839	0.0053665634	-.0003867125
C	0.0000655536	-.0003867125	0.0013193879

The PHREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Ycen_noint
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	9390.719	9375.466
AIC	9390.719	9381.466
SBC	9390.719	9395.266

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	15.2529	3	0.0016	
Score	15.2922	3	0.0016	
Wald	15.2744	3	0.0016	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07925	0.07472	1.1250	0.2889	0.924
M_bin	1	-0.07055	0.07468	0.8926	0.3448	0.932
C	1	-0.12895	0.03669	12.3537	0.0004	0.879

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055831656	-.0001018814	0.0000935755
M_bin	-.0001018814	0.0055765283	-.0003558072
C	0.0000935755	-.0003558072	0.0013459596

The PHREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Ycen_noint
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	725	275	27.50

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9278.874	9262.482
AIC	9278.874	9268.482
SBC	9278.874	9282.240

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	16.3927	3	0.0009	
Score	16.4701	3	0.0009	
Wald	16.4334	3	0.0009	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04480	0.07512	0.3557	0.5509	0.956
M_bin	1	-0.14039	0.07614	3.3998	0.0652	0.869
C	1	-0.11633	0.03797	9.3842	0.0022	0.890

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056435375	-.0003200668	-.0000315032
M_bin	-.0003200668	0.0057975965	-.0006018148
C	-.0000315032	-.0006018148	0.0014419536

The PHREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Ycen_noint
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	9457.825	9440.175
AIC	9457.825	9446.175
SBC	9457.825	9459.999

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	17.6508	3	0.0005	
Score	17.7004	3	0.0005	
Wald	17.6870	3	0.0005	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08131	0.07463	1.1871	0.2759	0.922
M_bin	1	-0.06238	0.07391	0.7123	0.3987	0.940
C	1	-0.13972	0.03606	15.0084	0.0001	0.870

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055696143	0.0000383540	0.0000056565
M_bin	0.0000383540	0.0054620195	-.0002656175
C	0.0000056565	-.0002656175	0.0013006425

The PHREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Ycen_noint
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	9656.594	9641.078
AIC	9656.594	9647.078
SBC	9656.594	9660.974

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	15.5166	3	0.0014	
Score	15.5345	3	0.0014	
Wald	15.5139	3	0.0014	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04656	0.07388	0.3971	0.5286	0.955
M_bin	1	-0.02470	0.07325	0.1137	0.7360	0.976
C	1	-0.13502	0.03521	14.6999	0.0001	0.874

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054585001	-.0004054990	0.0001478002
M_bin	-.0004054990	0.0053657966	-.0002890789
C	0.0001478002	-.0002890789	0.0012400798

The PHREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Ycen_noint
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	9546.438	9541.562
AIC	9546.438	9547.562
SBC	9546.438	9561.418

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.8764	3	0.1811	
Score	4.8803	3	0.1808	
Wald	4.8893	3	0.1801	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.06078	0.07369	0.6802	0.4095	0.941
M_bin	1	-0.05320	0.07377	0.5200	0.4708	0.948
C	1	-0.06915	0.03698	3.4970	0.0615	0.933

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054303485	0.0000072315	0.0001055898
M_bin	0.0000072315	0.0054420583	-0.0002724879
C	0.0001055898	-0.0002724879	0.0013672594

The PHREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Ycen_noint
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	9689.640	9675.298
AIC	9689.640	9681.298
SBC	9689.640	9695.206

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.3426	3	0.0025	
Score	14.3441	3	0.0025	
Wald	14.3108	3	0.0025	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.19001	0.07456	6.4943	0.0108	0.827
M_bin	1	-0.09680	0.07414	1.7047	0.1917	0.908
C	1	-0.07880	0.03771	4.3660	0.0367	0.924

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055591460	-.0004921465	0.0000901015
M_bin	-.0004921465	0.0054962671	-.0005235965
C	0.0000901015	-.0005235965	0.0014221355

The PHREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Ycen_noint
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	9744.358	9713.502
AIC	9744.358	9719.502
SBC	9744.358	9733.430

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	30.8563	3	<.0001	
Score	30.9527	3	<.0001	
Wald	30.8819	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09894	0.07372	1.8013	0.1796	0.906
M_bin	1	-0.09769	0.07345	1.7690	0.1835	0.907
C	1	-0.18266	0.03657	24.9501	<.0001	0.833

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054339891	-.0006863062	0.0000798790
M_bin	-.0006863062	0.0053946118	-.0003295709
C	0.0000798790	-.0003295709	0.0013372564

The PHREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Ycen_noint
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	9820.513	9794.901
AIC	9820.513	9800.901
SBC	9820.513	9814.856

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.6123	3	<.0001	
Score	25.4411	3	<.0001	
Wald	25.4023	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04661	0.07289	0.4090	0.5225	0.954
M_bin	1	-0.00377	0.07317	0.0027	0.9589	0.996
C	1	-0.17324	0.03503	24.4572	<.0001	0.841

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053129414	-.0004246103	0.0001816562
M_bin	-.0004246103	0.0053544417	-.0004362431
C	0.0001816562	-.0004362431	0.0012271826

The PHREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Ycen_noint
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	9199.874	9182.748
AIC	9199.874	9188.748
SBC	9199.874	9202.477

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	17.1260	3	0.0007	
Score	17.0861	3	0.0007	
Wald	17.0639	3	0.0007	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.13500	0.07591	3.1628	0.0753	0.874
M_bin	1	0.03155	0.07554	0.1745	0.6762	1.032
C	1	-0.13911	0.03714	14.0258	0.0002	0.870

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057626956	-.0004091673	0.0000362787
M_bin	-.0004091673	0.0057070178	-.0003778835
C	0.0000362787	-.0003778835	0.0013796901

The PHREG Procedure

Model Information	
Data Set	WORK.DATA143
Dependent Variable	Ycen_noint
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	9700.523	9678.842
AIC	9700.523	9684.842
SBC	9700.523	9698.754

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.6814	3	<.0001	
Score	21.6873	3	<.0001	
Wald	21.6815	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12769	0.07449	2.9386	0.0865	0.880
M_bin	1	0.00846	0.07384	0.0131	0.9087	1.008
C	1	-0.16629	0.03796	19.1879	<.0001	0.847

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055484960	-.0005562781	0.0002004031
M_bin	-.0005562781	0.0054518916	-.0004428361
C	0.0002004031	-.0004428361	0.0014412230

The PHREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Ycen_noint
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	9722.387	9696.780
AIC	9722.387	9702.780
SBC	9722.387	9716.699

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.6071	3	<.0001	
Score	25.6678	3	<.0001	
Wald	25.6110	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.11057	0.07389	2.2390	0.1346	0.895
M_bin	1	0.0006346	0.07444	0.0001	0.9932	1.001
C	1	-0.16561	0.03568	21.5482	<.0001	0.847

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054604316	-.0003561861	-.0000785426
M_bin	-.0003561861	0.0055410134	-.0005933349
C	-.0000785426	-.0005933349	0.0012727441

The PHREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Ycen_noint
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	9809.565	9783.141
AIC	9809.565	9789.141
SBC	9809.565	9803.092

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	26.4240	3	<.0001	
Score	26.4614	3	<.0001	
Wald	26.3757	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.22338	0.07352	9.2314	0.0024	0.800
M_bin	1	-0.14701	0.07259	4.1008	0.0429	0.863
C	1	-0.12435	0.03742	11.0441	0.0009	0.883

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054051714	-.0002334515	0.0000641256
M_bin	-.0002334515	0.0052699336	-.0003224929
C	0.0000641256	-.0003224929	0.0013999953

The PHREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Ycen_noint
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	9711.387	9687.958
AIC	9711.387	9693.958
SBC	9711.387	9707.874

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.4292	3	<.0001	
Score	23.4880	3	<.0001	
Wald	23.4377	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16398	0.07319	5.0202	0.0251	0.849
M_bin	1	-0.04960	0.07340	0.4566	0.4992	0.952
C	1	-0.14307	0.03552	16.2270	<.0001	0.867

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053563454	-.0001320513	-.0000451284
M_bin	-.0001320513	0.0053876325	-.0003964368
C	-.0000451284	-.0003964368	0.0012614660

The PHREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Ycen_noint
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	9689.519	9664.829
AIC	9689.519	9670.829
SBC	9689.519	9684.737

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	24.6906	3	<.0001	
Score	24.8458	3	<.0001	
Wald	24.7934	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12197	0.07393	2.7215	0.0990	0.885
M_bin	1	-0.14095	0.07320	3.7074	0.0542	0.869
C	1	-0.14326	0.03558	16.2152	<.0001	0.867

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054662872	-.0002167415	0.0001182283
M_bin	-.0002167415	0.0053587579	-.0003451319
C	0.0001182283	-.0003451319	0.0012657060

The PHREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Ycen_noint
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	9535.577	9515.955
AIC	9535.577	9521.955
SBC	9535.577	9535.807

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	19.6223	3	0.0002	
Score	19.6832	3	0.0002	
Wald	19.6581	3	0.0002	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.03008	0.07437	0.1636	0.6859	0.970
M_bin	1	-0.01315	0.07377	0.0318	0.8585	0.987
C	1	-0.15966	0.03651	19.1276	<.0001	0.852

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055301966	-.0003398659	0.0001540679
M_bin	-.0003398659	0.0054420603	-.0003192004
C	0.0001540679	-.0003192004	0.0013326678

The PHREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Ycen_noint
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	9601.785	9591.165
AIC	9601.785	9597.165
SBC	9601.785	9611.041

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	10.6199	3	0.0140	
Score	10.5898	3	0.0142	
Wald	10.5806	3	0.0142	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.01154	0.07365	0.0246	0.8755	1.012
M_bin	1	-0.06207	0.07327	0.7177	0.3969	0.940
C	1	-0.111100	0.03614	9.4356	0.0021	0.895

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054241497	-.0000975371	-.0000252047
M_bin	-.0000975371	0.0053681903	-.0001851618
C	-.0000252047	-.0001851618	0.0013059009

The PHREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Ycen_noint
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	9379.682	9356.397
AIC	9379.682	9362.397
SBC	9379.682	9376.192

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.2857	3	<.0001	
Score	23.3152	3	<.0001	
Wald	23.2590	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.20132	0.07589	7.0372	0.0080	0.818
M_bin	1	-0.12657	0.07494	2.8529	0.0912	0.881
C	1	-0.12132	0.03614	11.2683	0.0008	0.886

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057596550	-.0004983591	0.0001411957
M_bin	-.0004983591	0.0056155552	-.0003963607
C	0.0001411957	-.0003963607	0.0013062381

The PHREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Ycen_noint
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	9623.683	9599.420
AIC	9623.683	9605.420
SBC	9623.683	9619.304

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	24.2634	3	<.0001	
Score	24.5555	3	<.0001	
Wald	24.5402	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08102	0.07405	1.1971	0.2739	0.922
M_bin	1	-0.10193	0.07357	1.9196	0.1659	0.903
C	1	-0.16681	0.03786	19.4135	<.0001	0.846

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054829895	-.0000615101	0.0000833761
M_bin	-.0000615101	0.0054122291	-.0004015824
C	0.0000833761	-.0004015824	0.0014333213

The PHREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Ycen_noint
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	9498.924
AIC	9513.303	9504.924
SBC	9513.303	9518.769

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.3785	3	0.0024	
Score	14.4606	3	0.0023	
Wald	14.4395	3	0.0024	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09664	0.07438	1.6883	0.1938	0.908
M_bin	1	-0.07577	0.07446	1.0354	0.3089	0.927
C	1	-0.11517	0.03636	10.0331	0.0015	0.891

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055317848	-.0001811702	-.0000336277
M_bin	-.0001811702	0.0055445921	-.0004521050
C	-.0000336277	-.0004521050	0.0013220819

The PHREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Ycen_noint
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	9766.208	9756.592
AIC	9766.208	9762.592
SBC	9766.208	9776.527

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.6157	3	0.0221	
Score	9.5898	3	0.0224	
Wald	9.5712	3	0.0226	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.18819	0.07422	6.4291	0.0112	0.828
M_bin	1	-0.03966	0.07359	0.2904	0.5899	0.961
C	1	-0.05885	0.03581	2.7001	0.1003	0.943

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055085850	-.0004531313	0.0002148012
M_bin	-.0004531313	0.0054153916	-.0004906040
C	0.0002148012	-.0004906040	0.0012827056

The PHREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Ycen_noint
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	9568.662	9541.830
AIC	9568.662	9547.830
SBC	9568.662	9561.695

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	26.8317	3	<.0001	
Score	27.1312	3	<.0001	
Wald	27.1034	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16860	0.07482	5.0788	0.0242	0.845
M_bin	1	-0.09607	0.07385	1.6923	0.1933	0.908
C	1	-0.16577	0.03722	19.8386	<.0001	0.847

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055973451	-.0004909910	0.0002931104
M_bin	-.0004909910	0.0054533509	-.0003405038
C	0.0002931104	-.0003405038	0.0013851893

The PHREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Ycen_noint
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	9601.727	9578.526
AIC	9601.727	9584.526
SBC	9601.727	9598.402

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.2015	3	<.0001	
Score	23.3640	3	<.0001	
Wald	23.2271	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.02817	0.07400	0.1450	0.7034	0.972
M_bin	1	-0.27179	0.07451	13.3049	0.0003	0.762
C	1	-0.08797	0.03706	5.6358	0.0176	0.916

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054754742	-.0004069859	0.0000105937
M_bin	-.0004069859	0.0055518750	-.0004935014
C	0.0000105937	-.0004935014	0.0013731834

The PHREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Ycen_noint
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	9820.379	9800.402
AIC	9820.379	9806.402
SBC	9820.379	9820.357

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	19.9770	3	0.0002	
Score	20.1136	3	0.0002	
Wald	20.0733	3	0.0002	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.18150	0.07328	6.1346	0.0133	0.834
M_bin	1	0.01505	0.07352	0.0419	0.8378	1.015
C	1	-0.13661	0.03563	14.6984	0.0001	0.872

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053697836	-.0003129199	0.0001792105
M_bin	-.0003129199	0.0054050502	-.0005217989
C	0.0001792105	-.0005217989	0.0012696971

The PHREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Ycen_noint
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	9623.778	9609.187
AIC	9623.778	9615.187
SBC	9623.778	9629.071

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.5909	3	0.0022	
Score	14.5442	3	0.0023	
Wald	14.5296	3	0.0023	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.000779	0.07351	0.0112	0.9156	0.992
M_bin	1	0.02945	0.07377	0.1594	0.6897	1.030
C	1	-0.14460	0.03798	14.4932	0.0001	0.865

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054033496	-.0004007302	0.0001438753
M_bin	-.0004007302	0.0054424758	-.0004201507
C	0.0001438753	-.0004201507	0.0014426624

The PHREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Ycen_noint
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	747	253	25.30

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9524.351	9510.074
AIC	9524.351	9516.074
SBC	9524.351	9529.922

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.2766	3	0.0026	
Score	14.3637	3	0.0024	
Wald	14.3471	3	0.0025	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12683	0.07433	2.9117	0.0879	0.881
M_bin	1	-0.07308	0.07441	0.9645	0.3260	0.930
C	1	-0.11588	0.03763	9.4815	0.0021	0.891

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055246146	-.0005325685	0.0001891293
M_bin	-.0005325685	0.0055372312	-.0004355075
C	0.0001891293	-.0004355075	0.0014161955

The PHREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Ycen_noint
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	9312.474	9293.611
AIC	9312.474	9299.611
SBC	9312.474	9313.381

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	18.8634	3	0.0003
Score	19.0038	3	0.0003
Wald	18.9760	3	0.0003

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12547	0.07575	2.7432	0.0977	0.882
M_bin	1	-0.04499	0.07510	0.3588	0.5492	0.956
C	1	-0.14126	0.03617	15.2490	<.0001	0.868

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057385909	-.0000035111	0.0001168753
M_bin	-.0000035111	0.0056403455	-.0004319265
C	0.0001168753	-.0004319265	0.0013085977

The PHREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Ycen_noint
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	9645.746	9616.706
AIC	9645.746	9622.706
SBC	9645.746	9636.598

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	29.0405	3	<.0001	
Score	28.7754	3	<.0001	
Wald	28.7343	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	0.02000	0.07337	0.0743	0.7852	1.020
M_bin	1	-0.09904	0.07308	1.8365	0.1754	0.906
C	1	-0.18583	0.03703	25.1782	<.0001	0.830

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053830648	-.0001923589	0.0000357873
M_bin	-.0001923589	0.0053411957	-.0002703596
C	0.0000357873	-.0002703596	0.0013714825

The PHREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Ycen_noint
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	743	257	25.70

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9480.021	9460.148
AIC	9480.021	9466.148
SBC	9480.021	9479.980

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	19.8728	3	0.0002
Score	19.9688	3	0.0002
Wald	19.9242	3	0.0002

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.11816	0.07450	2.5157	0.1127	0.889
M_bin	1	-0.08506	0.07451	1.3032	0.2536	0.918
C	1	-0.14175	0.03703	14.6489	0.0001	0.868

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055502531	-.0000969855	0.0001481908
M_bin	-.0000969855	0.0055522961	-.0004715630
C	0.0001481908	-.0004715630	0.0013715795

The PHREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Ycen_noint
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	9809.644	9779.436
AIC	9809.644	9785.436
SBC	9809.644	9799.386

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	30.2086	3	<.0001	
Score	30.4629	3	<.0001	
Wald	30.3594	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.02378	0.07355	0.1045	0.7465	0.977
M_bin	1	-0.20146	0.07360	7.4924	0.0062	0.818
C	1	-0.15679	0.03712	17.8381	<.0001	0.855

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054102046	-.0006618705	0.0002519524
M_bin	-.0006618705	0.0054167450	-.0004745179
C	0.0002519524	-.0004745179	0.0013780632

The PHREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Ycen_noint
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	9513.248	9493.821
AIC	9513.248	9499.821
SBC	9513.248	9513.665

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	19.4266	3	0.0002
Score	19.5755	3	0.0002
Wald	19.5405	3	0.0002

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.12579	0.07503	2.8107	0.0936	0.882
M_bin	1	-0.09545	0.07480	1.6281	0.2020	0.909
C	1	-0.13009	0.03730	12.1642	0.0005	0.878

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056294381	-.0004935867	-.0000380437
M_bin	-.0004935867	0.0055955075	-.0004993005
C	-.0000380437	-.0004993005	0.0013912140

The PHREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Ycen_noint
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	9402.062	9393.289
AIC	9402.062	9399.289
SBC	9402.062	9413.092

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	8.7731	3	0.0325	
Score	8.7509	3	0.0328	
Wald	8.7467	3	0.0329	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.000616	0.07438	0.0069	0.9340	0.994
M_bin	1	0.09464	0.07530	1.5798	0.2088	1.099
C	1	-0.11059	0.03851	8.2441	0.0041	0.895

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055325546	-.0002811329	0.0001562284
M_bin	-.0002811329	0.0056695378	-.0005750111
C	0.0001562284	-.0005750111	0.0014833923

The PHREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Ycen_noint
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	731	269	26.90

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9346.338	9330.518
AIC	9346.338	9336.518
SBC	9346.338	9350.302

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	15.8199	3	0.0012	
Score	15.8750	3	0.0012	
Wald	15.8592	3	0.0012	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07657	0.07506	1.0407	0.3076	0.926
M_bin	1	-0.08216	0.07497	1.2009	0.2731	0.921
C	1	-0.13090	0.03732	12.3012	0.0005	0.877

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056333148	-.0004015980	0.0001420509
M_bin	-.0004015980	0.0056210699	-.0004113262
C	0.0001420509	-.0004113262	0.0013929884

The PHREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Ycen_noint
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	9357.295	9329.708
AIC	9357.295	9335.708
SBC	9357.295	9349.495

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	27.5871	3	<.0001	
Score	27.6544	3	<.0001	
Wald	27.5445	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.27181	0.07610	12.7562	0.0004	0.762
M_bin	1	-0.10050	0.07599	1.7491	0.1860	0.904
C	1	-0.12551	0.03720	11.3846	0.0007	0.882

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057917213	-.0004559173	0.0002570715
M_bin	-.0004559173	0.0057745061	-.0006267229
C	0.0002570715	-.0006267229	0.0013837022

The PHREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Ycen_noint
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	708	292	29.20

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9086.666	9067.660
AIC	9086.666	9073.660
SBC	9086.666	9087.347

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	19.0058	3	0.0003	
Score	19.1851	3	0.0003	
Wald	19.1585	3	0.0003	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08182	0.07630	1.1501	0.2835	0.921
M_bin	1	-0.11822	0.07684	2.3673	0.1239	0.888
C	1	-0.13470	0.03805	12.5334	0.0004	0.874

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0058210143	-.0000123722	-.0000491952
M_bin	-.0000123722	0.0059039761	-.0005931919
C	-.0000491952	-.0005931919	0.0014476198

The PHREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Ycen_noint
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	9568.519	9537.554
AIC	9568.519	9543.554
SBC	9568.519	9557.418

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	30.9656	3	<.0001	
Score	31.2034	3	<.0001	
Wald	31.0817	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.15548	0.07448	4.3577	0.0368	0.856
M_bin	1	-0.08105	0.07405	1.1979	0.2737	0.922
C	1	-0.17797	0.03714	22.9580	<.0001	0.837

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055475200	-.0004174629	0.0000223737
M_bin	-.0004174629	0.0054834262	-.0004058479
C	0.0000223737	-.0004058479	0.0013796138

The PHREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Ycen_noint
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	9722.505	9718.390
AIC	9722.505	9724.390
SBC	9722.505	9738.310

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.1144	3	0.2494	
Score	4.1121	3	0.2496	
Wald	4.1070	3	0.2501	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.13463	0.07267	3.4321	0.0639	0.874
M_bin	1	0.01239	0.07345	0.0285	0.8660	1.012
C	1	-0.03102	0.03655	0.7205	0.3960	0.969

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0052809993	-.0000113019	0.0000400385
M_bin	-.0000113019	0.0053944154	-.0004417150
C	0.0000400385	-.0004417150	0.0013358609

The PHREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Ycen_noint
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	9885.457	9875.794
AIC	9885.457	9881.794
SBC	9885.457	9895.772

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.6628	3	0.0217	
Score	9.6978	3	0.0213	
Wald	9.6887	3	0.0214	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.06481	0.07222	0.8054	0.3695	0.937
M_bin	1	-0.07874	0.07240	1.1827	0.2768	0.924
C	1	-0.09631	0.03689	6.8162	0.0090	0.908

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0052151172	-.0002070832	0.0000718758
M_bin	-.0002070832	0.0052420298	-.0003557411
C	0.0000718758	-.0003557411	0.0013607296

The PHREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Ycen_noint
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	9502.160	9488.154
AIC	9502.160	9494.154
SBC	9502.160	9507.994

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.0067	3	0.0029	
Score	14.1096	3	0.0028	
Wald	14.0866	3	0.0028	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.15828	0.07457	4.5054	0.0338	0.854
M_bin	1	-0.08076	0.07415	1.1861	0.2761	0.922
C	1	-0.10075	0.03531	8.1411	0.0043	0.904

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055608163	-.0000700667	0.0002013260
M_bin	-.0000700667	0.0054985197	-.0003741350
C	0.0002013260	-.0003741350	0.0012467291

The PHREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Ycen_noint
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	9634.740	9624.996
AIC	9634.740	9630.996
SBC	9634.740	9644.884

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.7440	3	0.0209	
Score	9.7864	3	0.0205	
Wald	9.7778	3	0.0206	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04129	0.07361	0.3146	0.5749	0.960
M_bin	1	-0.01462	0.07368	0.0394	0.8427	0.985
C	1	-0.10746	0.03588	8.9715	0.0027	0.898

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054187610	-.0002623852	-.0000107579
M_bin	-.0002623852	0.0054289225	-.0004022789
C	-.0000107579	-.0004022789	0.0012871179

The PHREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Ycen_noint
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	9787.869	9780.319
AIC	9787.869	9786.319
SBC	9787.869	9800.262

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.5497	3	0.0563	
Score	7.5297	3	0.0568	
Wald	7.5154	3	0.0572	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.15900	0.07375	4.6486	0.0311	0.853
M_bin	1	-0.09533	0.07267	1.7210	0.1896	0.909
C	1	-0.02592	0.03579	0.5244	0.4690	0.974

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054383674	-.0004880610	0.0001327409
M_bin	-.0004880610	0.0052806905	-.0002465657
C	0.0001327409	-.0002465657	0.0012808227

The PHREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Ycen_noint
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	9424.263	9407.752
AIC	9424.263	9413.752
SBC	9424.263	9427.564

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	16.5106	3	0.0009
Score	16.6857	3	0.0008
Wald	16.6742	3	0.0008

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04375	0.07438	0.3459	0.5564	0.957
M_bin	1	-0.01997	0.07452	0.0718	0.7887	0.980
C	1	-0.14295	0.03609	15.6875	<.0001	0.867

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055321712	-.0004439922	0.0000354590
M_bin	-.0004439922	0.0055539236	-.0003508219
C	0.0000354590	-.0003508219	0.0013025720

The PHREG Procedure

Model Information	
Data Set	WORK.DATA175
Dependent Variable	Ycen_noint
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	9700.440	9679.088
AIC	9700.440	9685.088
SBC	9700.440	9698.999

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.3522	3	<.0001	
Score	21.4913	3	<.0001	
Wald	21.4743	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.0003174	0.07342	0.0000	0.9966	1.000
M_bin	1	-0.14088	0.07294	3.7309	0.0534	0.869
C	1	-0.14632	0.03585	16.6551	<.0001	0.864

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053898436	-.0004439934	0.0000835825
M_bin	-.0004439934	0.0053198042	-.0001657480
C	0.0000835825	-.0001657480	0.0012855286

The PHREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Ycen_noint
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	9623.612	9604.080
AIC	9623.612	9610.080
SBC	9623.612	9623.964

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	19.5320	3	0.0002	
Score	19.5608	3	0.0002	
Wald	19.5251	3	0.0002	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.07525	0.07393	1.0361	0.3087	0.928
M_bin	1	-0.03745	0.07354	0.2594	0.6105	0.963
C	1	-0.14525	0.03499	17.2335	<.0001	0.865

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054651773	0.0000099874	-.0000200091
M_bin	0.0000099874	0.0054074434	-.0003542153
C	-.0000200091	-.0003542153	0.0012242172

The PHREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Ycen_noint
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	725	275	27.50

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9278.809	9253.442
AIC	9278.809	9259.442
SBC	9278.809	9273.200

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	25.3669	3	<.0001	
Score	25.5917	3	<.0001	
Wald	25.5007	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.17855	0.07608	5.5081	0.0189	0.836
M_bin	1	-0.15290	0.07544	4.1081	0.0427	0.858
C	1	-0.13585	0.03582	14.3863	0.0001	0.873

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057877727	0.0000125492	0.0002429439
M_bin	0.0000125492	0.0056910444	-.0004453947
C	0.0002429439	-.0004453947	0.0012827729

The PHREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Ycen_noint
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	9612.862	9598.689
AIC	9612.862	9604.689
SBC	9612.862	9618.569

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	14.1730	3	0.0027	
Score	14.2111	3	0.0026	
Wald	14.1996	3	0.0026	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.10240	0.07384	1.9229	0.1655	0.903
M_bin	1	0.00487	0.07351	0.0044	0.9471	1.005
C	1	-0.13031	0.03663	12.6578	0.0004	0.878

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054528485	-.0002296985	0.0001658868
M_bin	-.0002296985	0.0054042625	-.0003299285
C	0.0001658868	-.0003299285	0.0013414751

The PHREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Ycen_noint
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	781	219	21.90

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9896.189	9874.238
AIC	9896.189	9880.238
SBC	9896.189	9894.220

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.9504	3	<.0001	
Score	22.0693	3	<.0001	
Wald	22.0145	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.21466	0.07323	8.5914	0.0034	0.807
M_bin	1	-0.10766	0.07228	2.2186	0.1364	0.898
C	1	-0.11786	0.03631	10.5351	0.0012	0.889

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053632119	-.0001026373	0.0001433712
M_bin	-.0001026373	0.0052243874	-.0003431270
C	0.0001433712	-.0003431270	0.0013184663

The PHREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Ycen_noint
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	9502.166	9480.321
AIC	9502.166	9486.321
SBC	9502.166	9500.161

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	21.8448	3	<.0001	
Score	21.9452	3	<.0001	
Wald	21.8650	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.15181	0.07525	4.0704	0.0436	0.859
M_bin	1	-0.19654	0.07526	6.8202	0.0090	0.822
C	1	-0.10126	0.03668	7.6207	0.0058	0.904

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056620262	-.0003838579	0.0002576446
M_bin	-.0003838579	0.0056635827	-.0005625071
C	0.0002576446	-.0005625071	0.0013456089

The PHREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Ycen_noint
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	9601.794	9594.887
AIC	9601.794	9600.887
SBC	9601.794	9614.763

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	6.9068	3	0.0749
Score	6.9275	3	0.0742
Wald	6.9241	3	0.0744

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09044	0.07395	1.4956	0.2214	0.914
M_bin	1	-0.03408	0.07410	0.2115	0.6456	0.966
C	1	-0.07934	0.03637	4.7582	0.0292	0.924

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054693206	-.0006683331	0.0000818678
M_bin	-.0006683331	0.0054905995	-.0003685385
C	0.0000818678	-.0003685385	0.0013230994

The PHREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Ycen_noint
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	9502.058	9493.719
AIC	9502.058	9499.719
SBC	9502.058	9513.560

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	8.3391	3	0.0395	
Score	8.3188	3	0.0399	
Wald	8.3119	3	0.0400	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.08602	0.07497	1.3164	0.2512	0.918
M_bin	1	-0.05916	0.07412	0.6370	0.4248	0.943
C	1	-0.08649	0.03519	6.0396	0.0140	0.917

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056208199	-.0003092831	0.0002357886
M_bin	-.0003092831	0.0054941532	-.0003547374
C	0.0002357886	-.0003547374	0.0012385020

The PHREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Ycen_noint
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	9368.453	9357.063
AIC	9368.453	9363.063
SBC	9368.453	9376.855

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	11.3900	3	0.0098
Score	11.3826	3	0.0098
Wald	11.3737	3	0.0099

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.09813	0.07566	1.6819	0.1947	0.907
M_bin	1	-0.02434	0.07472	0.1061	0.7446	0.976
C	1	-0.11250	0.03702	9.2365	0.0024	0.894

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057249329	-.0002868269	0.0000766597
M_bin	-.0002868269	0.0055824987	-.0003846622
C	0.0000766597	-.0003846622	0.0013702102

The PHREG Procedure

Model Information	
Data Set	WORK.DATA184
Dependent Variable	Ycen_noint
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	9535.532	9521.835
AIC	9535.532	9527.835
SBC	9535.532	9541.687

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	13.6970	3	0.0033
Score	13.7886	3	0.0032
Wald	13.7595	3	0.0033

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04631	0.07443	0.3872	0.5338	0.955
M_bin	1	-0.14500	0.07479	3.7591	0.0525	0.865
C	1	-0.10151	0.03798	7.1423	0.0075	0.903

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055391560	-.0006243921	0.0000395901
M_bin	-.0006243921	0.0055934543	-.0004790529
C	0.0000395901	-.0004790529	0.0014427021

The PHREG Procedure

Model Information	
Data Set	WORK.DATA185
Dependent Variable	Ycen_noint
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	9711.469	9688.791
AIC	9711.469	9694.791
SBC	9711.469	9708.707

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	22.6784	3	<.0001	
Score	22.5125	3	<.0001	
Wald	22.4994	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.20208	0.07464	7.3295	0.0068	0.817
M_bin	1	0.12374	0.07397	2.7985	0.0944	1.132
C	1	-0.14446	0.03580	16.2798	<.0001	0.865

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055715366	-.0006928686	0.0002163441
M_bin	-.0006928686	0.0054714731	-.0004622244
C	0.0002163441	-.0004622244	0.0012817949

The PHREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Ycen_noint
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	9368.503	9335.600
AIC	9368.503	9341.600
SBC	9368.503	9355.391

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.9037	3	<.0001	
Score	33.0325	3	<.0001	
Wald	32.9423	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.03942	0.07521	0.2746	0.6002	0.961
M_bin	1	-0.07561	0.07485	1.0202	0.3125	0.927
C	1	-0.19113	0.03531	29.3046	<.0001	0.826

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056568913	-.0003048588	0.0000142749
M_bin	-.0003048588	0.0056029941	-.0003824603
C	0.0000142749	-.0003824603	0.0012465741

The PHREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Ycen_noint
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	9722.411	9693.214
AIC	9722.411	9699.214
SBC	9722.411	9713.134

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	29.1968	3	<.0001	
Score	29.2998	3	<.0001	
Wald	29.2220	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.21391	0.07442	8.2623	0.0040	0.807
M_bin	1	-0.09199	0.07357	1.5635	0.2112	0.912
C	1	-0.15791	0.03730	17.9265	<.0001	0.854

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055381809	-.0001748516	0.0001598088
M_bin	-.0001748516	0.0054122824	-.0004828936
C	0.0001598088	-.0004828936	0.0013909721

The PHREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Ycen_noint
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	9368.560	9351.780
AIC	9368.560	9357.780
SBC	9368.560	9371.571

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	16.7802	3	0.0008
Score	16.8620	3	0.0008
Wald	16.8373	3	0.0008

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.14134	0.07509	3.5432	0.0598	0.868
M_bin	1	-0.07862	0.07510	1.0961	0.2951	0.924
C	1	-0.12007	0.03740	10.3055	0.0013	0.887

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056379846	-.0005759853	0.0000027317
M_bin	-.0005759853	0.0056394634	-.0004077860
C	0.0000027317	-.0004077860	0.0013989894

The PHREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Ycen_noint
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	9413.130	9382.724
AIC	9413.130	9388.724
SBC	9413.130	9402.532

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	30.4058	3	<.0001	
Score	30.4472	3	<.0001	
Wald	30.3952	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.20261	0.07614	7.0806	0.0078	0.817
M_bin	1	0.05800	0.07497	0.5984	0.4392	1.060
C	1	-0.17641	0.03620	23.7513	<.0001	0.838

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057977481	-.0006084138	0.0000532563
M_bin	-.0006084138	0.0056206384	-.0004087028
C	0.0000532563	-.0004087028	0.0013103001

The PHREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Ycen_noint
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	9601.700	9572.300
AIC	9601.700	9578.300
SBC	9601.700	9592.176

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	29.4001	3	<.0001	
Score	29.5188	3	<.0001	
Wald	29.3654	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.18755	0.07480	6.2866	0.0122	0.829
M_bin	1	-0.20346	0.07478	7.4035	0.0065	0.816
C	1	-0.12484	0.03865	10.4335	0.0012	0.883

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055952011	-.0005042530	0.0000919244
M_bin	-.0005042530	0.0055914304	-.0005560001
C	0.0000919244	-.0005560001	0.0014937391

The PHREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Ycen_noint
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	783	217	21.70

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9917.838	9901.672
AIC	9917.838	9907.672
SBC	9917.838	9921.661

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	16.1663	3	0.0010	
Score	16.2425	3	0.0010	
Wald	16.1964	3	0.0010	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.20630	0.07322	7.9386	0.0048	0.814
M_bin	1	-0.08897	0.07271	1.4974	0.2211	0.915
C	1	-0.08321	0.03593	5.3625	0.0206	0.920

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053610539	-.0005782729	0.0001135134
M_bin	-.0005782729	0.0052862912	-.0003635420
C	0.0001135134	-.0003635420	0.0012912783

The PHREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Ycen_noint
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	9557.623	9542.235
AIC	9557.623	9548.235
SBC	9557.623	9562.096

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	15.3881	3	0.0015
Score	15.4374	3	0.0015
Wald	15.3922	3	0.0015

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.17711	0.07572	5.4710	0.0193	0.838
M_bin	1	-0.16018	0.07390	4.6984	0.0302	0.852
C	1	-0.07694	0.03835	4.0247	0.0448	0.926

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057332703	-.0003479054	0.0002485619
M_bin	-.0003479054	0.0054610284	-.0003827432
C	0.0002485619	-.0003827432	0.0014710297

The PHREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Ycen_noint
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	783	217	21.70

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9917.803	9893.595
AIC	9917.803	9899.595
SBC	9917.803	9913.584

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	24.2081	3	<.0001	
Score	24.2444	3	<.0001	
Wald	24.1973	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.16967	0.07320	5.3726	0.0205	0.844
M_bin	1	-0.08836	0.07256	1.4830	0.2233	0.915
C	1	-0.14428	0.03556	16.4581	<.0001	0.866

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0053585022	-.0002232930	0.0002241327
M_bin	-.0002232930	0.0052648761	-.0004186010
C	0.0002241327	-.0004186010	0.0012648555

The PHREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Ycen_noint
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	730	270	27.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9334.885	9319.074
AIC	9334.885	9325.074
SBC	9334.885	9338.853

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	15.8107	3	0.0012	
Score	15.8644	3	0.0012	
Wald	15.8382	3	0.0012	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.10513	0.07562	1.9327	0.1645	0.900
M_bin	1	-0.15207	0.07490	4.1225	0.0423	0.859
C	1	-0.10559	0.03708	8.1076	0.0044	0.900

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057188789	-.0003183638	0.0002144278
M_bin	-.0003183638	0.0056093876	-.0003971516
C	0.0002144278	-.0003971516	0.0013750497

The PHREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Ycen_noint
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	9312.549	9293.164
AIC	9312.549	9299.164
SBC	9312.549	9312.934

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	19.3855	3	0.0002
Score	19.3595	3	0.0002
Wald	19.3362	3	0.0002

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.04008	0.07545	0.2822	0.5953	0.961
M_bin	1	-0.07386	0.07479	0.9754	0.3233	0.929
C	1	-0.15114	0.03652	17.1251	<.0001	0.860

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056932059	-.0003269665	0.0001139072
M_bin	-.0003269665	0.0055928059	-.0002810975
C	0.0001139072	-.0002810975	0.0013338771

The PHREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Ycen_noint
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	9579.646	9567.664
AIC	9579.646	9573.664
SBC	9579.646	9587.532

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	11.9821	3	0.0074	
Score	12.0386	3	0.0073	
Wald	12.0225	3	0.0073	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.06475	0.07517	0.7419	0.3890	0.937
M_bin	1	-0.11054	0.07422	2.2179	0.1364	0.895
C	1	-0.09944	0.03644	7.4455	0.0064	0.905

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0056511744	-.0004039523	0.0002021773
M_bin	-.0004039523	0.0055091046	-.0004672501
C	0.0002021773	-.0004672501	0.0013281828

The PHREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Ycen_noint
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	9323.742	9299.784
AIC	9323.742	9305.784
SBC	9323.742	9319.559

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	23.9575	3	<.0001	
Score	24.1116	3	<.0001	
Wald	24.0828	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.14751	0.07592	3.7753	0.0520	0.863
M_bin	1	-0.06218	0.07472	0.6925	0.4053	0.940
C	1	-0.16716	0.03809	19.2550	<.0001	0.846

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0057635298	-.0004049382	0.0001800121
M_bin	-.0004049382	0.0055835392	-.0003063797
C	0.0001800121	-.0003063797	0.0014511836

The PHREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Ycen_noint
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	9502.239	9469.751
AIC	9502.239	9475.751
SBC	9502.239	9489.591

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	32.4882	3	<.0001	
Score	32.6285	3	<.0001	
Wald	32.5368	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.23748	0.07435	10.2009	0.0014	0.789
M_bin	1	-0.08622	0.07355	1.3741	0.2411	0.917
C	1	-0.16348	0.03639	20.1828	<.0001	0.849

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0055284656	0.0001346873	-.0000125027
M_bin	0.0001346873	0.0054095912	-.0001924470
C	-.0000125027	-.0001924470	0.0013241188

The PHREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Ycen_noint
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	9667.791	9607.180
AIC	9667.791	9613.180
SBC	9667.791	9627.080

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	60.6107	3	<.0001	
Score	60.9549	3	<.0001	
Wald	60.7777	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.00372	0.07413	0.0025	0.9600	0.996
M_bin	1	-0.11756	0.07374	2.5415	0.1109	0.889
C	1	-0.25733	0.03515	53.5855	<.0001	0.773

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054945777	-.0003906782	0.0000338083
M_bin	-.0003906782	0.0054376532	-.0003738732
C	0.0000338083	-.0003738732	0.0012357888

The PHREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Ycen_noint
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	9744.366	9732.928
AIC	9744.366	9738.928
SBC	9744.366	9752.856

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	11.4376	3	0.0096
Score	11.4338	3	0.0096
Wald	11.4062	3	0.0097

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.17984	0.07404	5.9003	0.0151	0.835
M_bin	1	-0.13396	0.07320	3.3489	0.0673	0.875
C	1	-0.03861	0.03600	1.1505	0.2834	0.962

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0054817872	-.0002935219	0.0000954061
M_bin	-.0002935219	0.0053589574	-.0003847588
C	0.0000954061	-.0003847588	0.0012959349

The PHREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Ycen_noint
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	75124	24876	24.88

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1648905.4	1647282.0
AIC	1648905.4	1647288.0
SBC	1648905.4	1647315.7

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1623.3183	3	<.0001	
Score	1631.0638	3	<.0001	
Wald	1628.8243	3	<.0001	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	1	-0.111139	0.00742	225.3509	<.0001	0.895
M_bin	1	-0.07609	0.00739	105.9238	<.0001	0.927
C	1	-0.12461	0.00364	1174.5372	<.0001	0.883

Estimated Covariance Matrix			
Parameter	A	M_bin	C
A	0.0000550591	-.0000029198	0.0000010016
M_bin	-.0000029198	0.0000546518	-.0000040284
C	0.0000010016	-.0000040284	0.0000132204

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	50557
2	0	49443

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	138619.03	136101.35
SC	138628.54	136129.88
-2 Log L	138617.03	136095.35

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2521.6807	2	<.0001	
Score	2492.5671	2	<.0001	
Wald	2435.6036	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3762	0.0108	1220.0657	<.0001
A	1	0.2150	0.0130	275.5523	<.0001
C	1	0.2987	0.00638	2193.9944	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.240	1.209	1.272
C	1.348	1.331	1.365

The LOGISTIC Procedure

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	2499689751	c	0.594

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.89659	0.062449	0.78050	1.01161
2	marginal pnde	0.89659	0.062449	0.78050	1.01161
3	marginal pnie	0.99582	0.005198	0.98082	1.00333
4	marginal tnde	0.89659	0.062449	0.78050	1.01161
5	marginal tnie	0.99582	0.005198	0.98082	1.00333
6	marginal total effect	0.89281	0.061916	0.77651	1.00778
7	conditional cde	0.89659	0.062449	0.78050	1.01161
8	conditional pnde	0.89659	0.062449	0.78050	1.01161
9	conditional pnie	0.99582	0.005198	0.98083	1.00333
10	conditional tnde	0.89659	0.062449	0.78050	1.01161
11	conditional tnie	0.99582	0.005198	0.98083	1.00333
12	conditional total effect	0.89281	0.061916	0.77651	1.00778

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1443.300126

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2886.600
AIC (smaller is better)	2894.600
AICC (smaller is better)	2894.640
BIC (smaller is better)	2914.231

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3081.36
Exponential AIC (smaller is better)	-3073.36
Exponential AICC (smaller is better)	-3073.32
Exponential BIC (smaller is better)	-3053.73

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.3653	0.5456
M_bin	1	0.2038	0.6517
C	1	26.2767	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2530	0.0651	-3.3805	-3.1255	2500.04	<.0001
A	1	0.0453	0.0750	-0.1017	0.1923	0.37	0.5456
M_bin	1	0.0334	0.0741	-0.1117	0.1786	0.20	0.6517
C	1	0.1920	0.0375	0.1186	0.2655	26.28	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	15.4509	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004233	-0.002142	-0.002151	-0.001104	0
A	-0.002142	0.005624	-0.000247	0.000119	0
M_bin	-0.002151	-0.000247	0.005483	-0.000499	0
C	-0.001104	0.000119	-0.000499	0.001403	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	775
Right Censored Values	225
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1501.056298

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3002.113
AIC (smaller is better)	3010.113
AICC (smaller is better)	3010.153
BIC (smaller is better)	3029.744

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3216.88
Exponential AIC (smaller is better)	-3208.88
Exponential AICC (smaller is better)	-3208.84
Exponential BIC (smaller is better)	-3189.25

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.8338	0.1757
M_bin	1	0.7270	0.3939
C	1	12.0605	0.0005

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2722	0.0658	-3.4011	-3.1432	2472.65	<.0001
A	1	0.0985	0.0727	-0.0440	0.2410	1.83	0.1757
M_bin	1	0.0622	0.0729	-0.0808	0.2052	0.73	0.3939
C	1	0.1293	0.0372	0.0563	0.2023	12.06	0.0005
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.1127	0.0777

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004330	-0.002169	-0.002004	-0.001163	0
A	-0.002169	0.005287	-0.000487	0.000092295	0
M_bin	-0.002004	-0.000487	0.005321	-0.000403	0
C	-0.001163	0.000092295	-0.000403	0.001386	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1501.475075

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3002.950
AIC (smaller is better)	3010.950
AICC (smaller is better)	3010.990
BIC (smaller is better)	3030.581

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3132.91
Exponential AIC (smaller is better)	-3124.91
Exponential AICC (smaller is better)	-3124.87
Exponential BIC (smaller is better)	-3105.28

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4628	0.4963
M_bin	1	2.6383	0.1043
C	1	18.1331	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2944	0.0655	-3.4227	-3.1661	2531.92	<.0001
A	1	0.0505	0.0742	-0.0950	0.1959	0.46	0.4963
M_bin	1	0.1197	0.0737	-0.0247	0.2642	2.64	0.1043
C	1	0.1568	0.0368	0.0846	0.2290	18.13	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	1.1043	0.2933

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004286	-0.002143	-0.002067	-0.001151	0
A	-0.002143	0.005506	-0.000575	0.000140	0
M_bin	-0.002067	-0.000575	0.005433	-0.000352	0
C	-0.001151	0.000140	-0.000352	0.001356	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1468.120822

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2936.242
AIC (smaller is better)	2944.242
AICC (smaller is better)	2944.282
BIC (smaller is better)	2963.873

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2964.15
Exponential AIC (smaller is better)	-2956.15
Exponential AICC (smaller is better)	-2956.11
Exponential BIC (smaller is better)	-2936.52

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.6134	0.2040
M_bin	1	1.4003	0.2367
C	1	10.1853	0.0014

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1018	0.0668	-3.2327	-2.9710	2158.80	<.0001
A	1	0.0945	0.0744	-0.0513	0.2404	1.61	0.2040
M_bin	1	-0.0881	0.0744	-0.2340	0.0578	1.40	0.2367
C	1	0.1152	0.0361	0.0444	0.1859	10.19	0.0014
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	5.7164	0.0168

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004457	-0.002155	-0.002275	-0.001063	0
A	-0.002155	0.005537	-0.000568	0.000030588	0
M_bin	-0.002275	-0.000568	0.005542	-0.000343	0
C	-0.001063	0.000030588	-0.000343	0.001302	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1484.752445

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2969.505
AIC (smaller is better)	2977.505
AICC (smaller is better)	2977.545
BIC (smaller is better)	2997.136

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3015.46
Exponential AIC (smaller is better)	-3007.46
Exponential AICC (smaller is better)	-3007.42
Exponential BIC (smaller is better)	-2987.83

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8566	0.3547
M_bin	1	0.7557	0.3847
C	1	9.1963	0.0024

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1724	0.0669	-3.3035	-3.0413	2250.16	<.0001
A	1	0.0689	0.0745	-0.0771	0.2149	0.86	0.3547
M_bin	1	0.0645	0.0742	-0.0809	0.2099	0.76	0.3847
C	1	0.1089	0.0359	0.0385	0.1793	9.20	0.0024
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.4462	0.0634

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004473	-0.002232	-0.002204	-0.001120	0
A	-0.002232	0.005549	-0.000692	0.000223	0
M_bin	-0.002204	-0.000692	0.005502	-0.000357	0
C	-0.001120	0.000223	-0.000357	0.001290	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	728
Right Censored Values	272
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1501.112198

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3002.224
AIC (smaller is better)	3010.224
AICC (smaller is better)	3010.265
BIC (smaller is better)	3029.855

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2888.21
Exponential AIC (smaller is better)	-2880.21
Exponential AICC (smaller is better)	-2880.17
Exponential BIC (smaller is better)	-2860.58

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.9205	0.1658
M_bin	1	1.3907	0.2383
C	1	18.0908	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2085	0.0647	-3.3353	-3.0817	2460.57	<.0001
A	1	0.1048	0.0756	-0.0434	0.2530	1.92	0.1658
M_bin	1	0.0889	0.0754	-0.0588	0.2365	1.39	0.2383
C	1	0.1553	0.0365	0.0837	0.2269	18.09	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.0175	0.8946

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004184	-0.002135	-0.002249	-0.000942	0
A	-0.002135	0.005717	-0.000284	-0.000047739	0
M_bin	-0.002249	-0.000284	0.005678	-0.000470	0
C	-0.000942	-0.000047739	-0.000470	0.001333	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1499.578

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2999.156
AIC (smaller is better)	3007.156
AICC (smaller is better)	3007.196
BIC (smaller is better)	3026.787

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3108.68
Exponential AIC (smaller is better)	-3100.68
Exponential AICC (smaller is better)	-3100.64
Exponential BIC (smaller is better)	-3081.05

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.3716	0.0663
M_bin	1	0.3888	0.5329
C	1	7.0068	0.0081

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2197	0.0669	-3.3509	-3.0885	2313.02	<.0001
A	1	0.1361	0.0741	-0.0092	0.2814	3.37	0.0663
M_bin	1	0.0461	0.0739	-0.0988	0.1909	0.39	0.5329
C	1	0.0965	0.0365	0.0250	0.1680	7.01	0.0081
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.5767	0.1084

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004482	-0.002410	-0.002179	-0.001129	0
A	-0.002410	0.005493	-0.000152	0.000244	0
M_bin	-0.002179	-0.000152	0.005462	-0.000504	0
C	-0.001129	0.000244	-0.000504	0.001329	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1483.461837

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2966.924
AIC (smaller is better)	2974.924
AICC (smaller is better)	2974.964
BIC (smaller is better)	2994.555

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3050.33
Exponential AIC (smaller is better)	-3042.33
Exponential AICC (smaller is better)	-3042.29
Exponential BIC (smaller is better)	-3022.70

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.5698	0.1089
M_bin	1	4.1872	0.0407
C	1	12.2904	0.0005

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2834	0.0664	-3.4136	-3.1532	2443.13	<.0001
A	1	0.1207	0.0753	-0.0269	0.2682	2.57	0.1089
M_bin	1	0.1509	0.0738	0.0064	0.2955	4.19	0.0407
C	1	0.1295	0.0369	0.0571	0.2019	12.29	0.0005
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.5167	0.1126

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004413	-0.002166	-0.002255	-0.001185	0
A	-0.002166	0.005667	-0.000268	0.000121	0
M_bin	-0.002255	-0.000268	0.005441	-0.000334	0
C	-0.001185	0.000121	-0.000334	0.001364	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	776
Right Censored Values	224
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1450.585729

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2901.171
AIC (smaller is better)	2909.171
AICC (smaller is better)	2909.212
BIC (smaller is better)	2928.802

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3234.30
Exponential AIC (smaller is better)	-3226.30
Exponential AICC (smaller is better)	-3226.26
Exponential BIC (smaller is better)	-3206.67

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.1613	0.0231
M_bin	1	4.1172	0.0424
C	1	8.4745	0.0036

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1713	0.0639	-3.2964	-3.0461	2465.16	<.0001
A	1	0.1680	0.0740	0.0231	0.3130	5.16	0.0231
M_bin	1	-0.1491	0.0735	-0.2931	-0.0051	4.12	0.0424
C	1	0.1042	0.0358	0.0340	0.1744	8.47	0.0036
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	18.5774	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004080	-0.001930	-0.002120	-0.000989	0
A	-0.001930	0.005471	-0.000519	0.000073746	0
M_bin	-0.002120	-0.000519	0.005400	-0.000499	0
C	-0.000989	0.000073746	-0.000499	0.001281	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1463.591629

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2927.183
AIC (smaller is better)	2935.183
AICC (smaller is better)	2935.223
BIC (smaller is better)	2954.814

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3183.51
Exponential AIC (smaller is better)	-3175.51
Exponential AICC (smaller is better)	-3175.46
Exponential BIC (smaller is better)	-3155.87

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.0558	0.0440
M_bin	1	0.1452	0.7031
C	1	15.3454	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2938	0.0667	-3.4245	-3.1631	2440.19	<.0001
A	1	0.1479	0.0735	0.0040	0.2919	4.06	0.0440
M_bin	1	0.0280	0.0735	-0.1161	0.1721	0.15	0.7031
C	1	0.1464	0.0374	0.0731	0.2196	15.35	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	10.5304	0.0012

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004446	-0.002267	-0.002115	-0.001180	0
A	-0.002267	0.005396	-0.000005516	0.000069701	0
M_bin	-0.002115	-0.000005516	0.005403	-0.000518	0
C	-0.001180	0.000069701	-0.000518	0.001396	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1487.103238

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2974.206
AIC (smaller is better)	2982.206
AICC (smaller is better)	2982.247
BIC (smaller is better)	3001.837

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3061.52
Exponential AIC (smaller is better)	-3053.52
Exponential AICC (smaller is better)	-3053.47
Exponential BIC (smaller is better)	-3033.88

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4398	0.5072
M_bin	1	1.2646	0.2608
C	1	22.0286	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2517	0.0648	-3.3788	-3.1246	2514.79	<.0001
A	1	0.0492	0.0741	-0.0961	0.1945	0.44	0.5072
M_bin	1	0.0833	0.0741	-0.0619	0.2286	1.26	0.2608
C	1	0.1720	0.0367	0.1002	0.2439	22.03	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.9466	0.0861

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004205	-0.002143	-0.001938	-0.001141	0
A	-0.002143	0.005496	-0.000596	0.000089767	0
M_bin	-0.001938	-0.000596	0.005493	-0.000357	0
C	-0.001141	0.000089767	-0.000357	0.001344	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1511.215737

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3022.431
AIC (smaller is better)	3030.431
AICC (smaller is better)	3030.472
BIC (smaller is better)	3050.062

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2972.48
Exponential AIC (smaller is better)	-2964.48
Exponential AICC (smaller is better)	-2964.44
Exponential BIC (smaller is better)	-2944.85

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.6160	0.2036
M_bin	1	3.2600	0.0710
C	1	15.4307	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2584	0.0675	-3.3908	-3.1260	2327.12	<.0001
A	1	0.0955	0.0751	-0.0517	0.2428	1.62	0.2036
M_bin	1	0.1339	0.0742	-0.0115	0.2793	3.26	0.0710
C	1	0.1444	0.0368	0.0724	0.2165	15.43	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.0056	0.9404

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004562	-0.002209	-0.002228	-0.001242	0
A	-0.002209	0.005645	-0.000355	0.000098043	0
M_bin	-0.002228	-0.000355	0.005502	-0.000295	0
C	-0.001242	0.000098043	-0.000295	0.001352	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1458.268706

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2916.537
AIC (smaller is better)	2924.537
AICC (smaller is better)	2924.578
BIC (smaller is better)	2944.168

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3007.71
Exponential AIC (smaller is better)	-2999.71
Exponential AICC (smaller is better)	-2999.67
Exponential BIC (smaller is better)	-2980.08

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4422	0.5061
M_bin	1	0.0141	0.9054
C	1	12.5211	0.0004

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1520	0.0676	-3.2846	-3.0195	2172.35	<.0001
A	1	0.0490	0.0737	-0.0954	0.1933	0.44	0.5061
M_bin	1	0.0088	0.0737	-0.1358	0.1533	0.01	0.9054
C	1	0.1336	0.0377	0.0596	0.2076	12.52	0.0004
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	11.0910	0.0009

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004573	-0.002387	-0.002287	-0.001160	0
A	-0.002387	0.005425	-0.000074864	0.000074230	0
M_bin	-0.002287	-0.000074864	0.005437	-0.000395	0
C	-0.001160	0.000074230	-0.000395	0.001425	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1500.961452

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3001.923
AIC (smaller is better)	3009.923
AICC (smaller is better)	3009.963
BIC (smaller is better)	3029.554

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3074.52
Exponential AIC (smaller is better)	-3066.52
Exponential AICC (smaller is better)	-3066.48
Exponential BIC (smaller is better)	-3046.89

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.0270	0.3109
M_bin	1	0.1163	0.7331
C	1	10.5442	0.0012

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1457	0.0687	-3.2804	-3.0110	2093.85	<.0001
A	1	-0.0749	0.0739	-0.2197	0.0699	1.03	0.3109
M_bin	1	0.0252	0.0738	-0.1196	0.1699	0.12	0.7331
C	1	0.1225	0.0377	0.0486	0.1965	10.54	0.0012
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	1.1851	0.2763

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004726	-0.002329	-0.002164	-0.001300	0
A	-0.002329	0.005460	-0.000242	0.000144	0
M_bin	-0.002164	-0.000242	0.005453	-0.000448	0
C	-0.001300	0.000144	-0.000448	0.001424	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1447.483148

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2894.966
AIC (smaller is better)	2902.966
AICC (smaller is better)	2903.006
BIC (smaller is better)	2922.597

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2852.55
Exponential AIC (smaller is better)	-2844.55
Exponential AICC (smaller is better)	-2844.51
Exponential BIC (smaller is better)	-2824.92

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.5264	0.2167
M_bin	1	1.2006	0.2732
C	1	13.3647	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1722	0.0672	-3.3039	-3.0404	2227.64	<.0001
A	1	0.0926	0.0749	-0.0543	0.2395	1.53	0.2167
M_bin	1	0.0832	0.0760	-0.0656	0.2321	1.20	0.2732
C	1	0.1366	0.0374	0.0634	0.2098	13.36	0.0003
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	8.0764	0.0045

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004517	-0.002342	-0.002083	-0.001123	0
A	-0.002342	0.005617	-0.000376	0.000101	0
M_bin	-0.002083	-0.000376	0.005769	-0.000604	0
C	-0.001123	0.000101	-0.000604	0.001396	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA116
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	769
Right Censored Values	231
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1464.489833

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2928.980
AIC (smaller is better)	2936.980
AICC (smaller is better)	2937.020
BIC (smaller is better)	2956.611

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3157.23
Exponential AIC (smaller is better)	-3149.23
Exponential AICC (smaller is better)	-3149.19
Exponential BIC (smaller is better)	-3129.60

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.7706	0.1833
M_bin	1	1.8129	0.1782
C	1	1.3123	0.2520

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1793	0.0645	-3.3057	-3.0529	2430.83	<.0001
A	1	0.0979	0.0736	-0.0463	0.2421	1.77	0.1833
M_bin	1	0.0989	0.0734	-0.0450	0.2428	1.81	0.1782
C	1	0.0424	0.0370	-0.0301	0.1148	1.31	0.2520
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	11.4662	0.0007

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004158	-0.002098	-0.001961	-0.001133	0
A	-0.002098	0.005411	-0.000191	0.000004086	0
M_bin	-0.001961	-0.000191	0.005392	-0.000454	0
C	-0.001133	0.000004086	-0.000454	0.001368	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1459.011972

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2918.024
AIC (smaller is better)	2926.024
AICC (smaller is better)	2926.064
BIC (smaller is better)	2945.655

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2993.17
Exponential AIC (smaller is better)	-2985.17
Exponential AICC (smaller is better)	-2985.13
Exponential BIC (smaller is better)	-2965.54

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0792	0.7784
M_bin	1	4.0023	0.0454
C	1	9.3976	0.0022

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1842	0.0645	-3.3107	-3.0578	2436.91	<.0001
A	1	0.0210	0.0748	-0.1255	0.1676	0.08	0.7784
M_bin	1	0.1486	0.0743	0.0030	0.2941	4.00	0.0454
C	1	0.1120	0.0365	0.0404	0.1836	9.40	0.0022
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	8.7982	0.0030

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004161	-0.002016	-0.002074	-0.001068	0
A	-0.002016	0.005589	-0.000500	-0.000003804	0
M_bin	-0.002074	-0.000500	0.005514	-0.000403	0
C	-0.001068	-0.000003804	-0.000403	0.001335	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1484.376123

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2968.752
AIC (smaller is better)	2976.752
AICC (smaller is better)	2976.792
BIC (smaller is better)	2996.383

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3095.74
Exponential AIC (smaller is better)	-3087.74
Exponential AICC (smaller is better)	-3087.70
Exponential BIC (smaller is better)	-3068.11

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	8.4855	0.0036
M_bin	1	7.8181	0.0052
C	1	9.4288	0.0021

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3409	0.0654	-3.4691	-3.2128	2610.81	<.0001
A	1	0.2152	0.0739	0.0704	0.3599	8.49	0.0036
M_bin	1	0.2049	0.0733	0.0613	0.3484	7.82	0.0052
C	1	0.1118	0.0364	0.0404	0.1832	9.43	0.0021
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.2358	0.0720

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004275	-0.002144	-0.002279	-0.001046	0	
A	-0.002144	0.005456	-0.000164	-0.000058318	0	
M_bin	-0.002279	-0.000164	0.005368	-0.000280	0	
C	-0.001046	-0.000058318	-0.000280	0.001326	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1507.716084

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3015.432
AIC (smaller is better)	3023.432
AICC (smaller is better)	3023.472
BIC (smaller is better)	3043.063

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3094.76
Exponential AIC (smaller is better)	-3086.76
Exponential AICC (smaller is better)	-3086.72
Exponential BIC (smaller is better)	-3067.13

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.0674	0.0244
M_bin	1	0.4660	0.4948
C	1	22.5567	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2547	0.0645	-3.3811	-3.1282	2546.17	<.0001
A	1	0.1692	0.0752	0.0219	0.3166	5.07	0.0244
M_bin	1	-0.0507	0.0743	-0.1963	0.0949	0.47	0.4948
C	1	0.1645	0.0346	0.0966	0.2324	22.56	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.3800	0.5376

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004160	-0.002187	-0.002266	-0.000921	0
A	-0.002187	0.005652	-0.000077190	0.000077270	0
M_bin	-0.002266	-0.000077190	0.005520	-0.000481	0
C	-0.000921	0.000077270	-0.000481	0.001200	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1435.778065

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2871.556
AIC (smaller is better)	2879.556
AICC (smaller is better)	2879.596
BIC (smaller is better)	2899.187

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3073.15
Exponential AIC (smaller is better)	-3065.15
Exponential AICC (smaller is better)	-3065.11
Exponential BIC (smaller is better)	-3045.52

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0503	0.8225
M_bin	1	6.6770	0.0098
C	1	1.9954	0.1578

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1663	0.0639	-3.2915	-3.0410	2454.07	<.0001
A	1	0.0166	0.0741	-0.1286	0.1619	0.05	0.8225
M_bin	1	0.1907	0.0738	0.0460	0.3353	6.68	0.0098
C	1	0.0503	0.0356	-0.0195	0.1200	2.00	0.1578
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	22.1583	<.0001

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004085	-0.001911	-0.001983	-0.001048	0	
A	-0.001911	0.005493	-0.000667	-0.000067732	0	
M_bin	-0.001983	-0.000667	0.005446	-0.000342	0	
C	-0.001048	-0.000067732	-0.000342	0.001266	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	721
Right Censored Values	279
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1454.02977

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2908.060
AIC (smaller is better)	2916.060
AICC (smaller is better)	2916.100
BIC (smaller is better)	2935.691

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2813.28
Exponential AIC (smaller is better)	-2805.28
Exponential AICC (smaller is better)	-2805.24
Exponential BIC (smaller is better)	-2785.65

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.7315	0.0296
M_bin	1	2.3930	0.1219
C	1	12.2264	0.0005

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2050	0.0678	-3.3379	-3.0720	2233.30	<.0001
A	1	0.1652	0.0759	0.0163	0.3140	4.73	0.0296
M_bin	1	0.1169	0.0756	-0.0312	0.2650	2.39	0.1219
C	1	0.1314	0.0376	0.0578	0.2051	12.23	0.0005
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.6087	0.0318

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004599	-0.002319	-0.002157	-0.001243	0
A	-0.002319	0.005766	-0.000311	0.000116	0
M_bin	-0.002157	-0.000311	0.005711	-0.000443	0
C	-0.001243	0.000116	-0.000443	0.001413	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1450.134652

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2900.269
AIC (smaller is better)	2908.269
AICC (smaller is better)	2908.310
BIC (smaller is better)	2927.900

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3066.68
Exponential AIC (smaller is better)	-3058.68
Exponential AICC (smaller is better)	-3058.64
Exponential BIC (smaller is better)	-3039.05

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.3230	0.2501
M_bin	1	0.0709	0.7900
C	1	9.9373	0.0016

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1739	0.0672	-3.3057	-3.0421	2227.59	<.0001
A	1	0.0844	0.0733	-0.0594	0.2281	1.32	0.2501
M_bin	1	0.0196	0.0738	-0.1250	0.1643	0.07	0.7900
C	1	0.1151	0.0365	0.0435	0.1867	9.94	0.0016
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	14.9953	0.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004522	-0.002345	-0.002264	-0.001079	0
A	-0.002345	0.005379	-0.000184	0.000124	0
M_bin	-0.002264	-0.000184	0.005443	-0.000479	0
C	-0.001079	0.000124	-0.000479	0.001334	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1520.105792

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3040.212
AIC (smaller is better)	3048.212
AICC (smaller is better)	3048.252
BIC (smaller is better)	3067.843

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3144.79
Exponential AIC (smaller is better)	-3136.79
Exponential AICC (smaller is better)	-3136.75
Exponential BIC (smaller is better)	-3117.16

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.6891	0.0304
M_bin	1	1.6615	0.1974
C	1	3.6004	0.0578

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2429	0.0683	-3.3768	-3.1091	2255.58	<.0001
A	1	0.1584	0.0731	0.0150	0.3017	4.69	0.0304
M_bin	1	0.0937	0.0727	-0.0488	0.2362	1.66	0.1974
C	1	0.0697	0.0367	-0.0023	0.1418	3.60	0.0578
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.3297	0.5658

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004663	-0.002210	-0.002381	-0.001204	0
A	-0.002210	0.005349	-0.000095551	-0.000031264	0
M_bin	-0.002381	-0.000095551	0.005287	-0.000256	0
C	-0.001204	-0.000031264	-0.000256	0.001350	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1480.743148

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2961.486
AIC (smaller is better)	2969.486
AICC (smaller is better)	2969.526
BIC (smaller is better)	2989.117

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2948.73
Exponential AIC (smaller is better)	-2940.73
Exponential AICC (smaller is better)	-2940.69
Exponential BIC (smaller is better)	-2921.10

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.1912	0.0740
M_bin	1	0.3996	0.5273
C	1	4.6023	0.0319

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1474	0.0667	-3.2781	-3.0168	2228.95	<.0001
A	1	0.1328	0.0743	-0.0129	0.2785	3.19	0.0740
M_bin	1	0.0471	0.0746	-0.0990	0.1933	0.40	0.5273
C	1	0.0778	0.0363	0.0067	0.1489	4.60	0.0319
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.0231	0.0821

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004444	-0.002215	-0.002254	-0.001038	0	
A	-0.002215	0.005525	-0.000064715	-0.000117	0	
M_bin	-0.002254	-0.000064715	0.005561	-0.000458	0	
C	-0.001038	-0.000117	-0.000458	0.001316	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1437.492107

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2874.984
AIC (smaller is better)	2882.984
AICC (smaller is better)	2883.024
BIC (smaller is better)	2902.615

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3048.54
Exponential AIC (smaller is better)	-3040.54
Exponential AICC (smaller is better)	-3040.50
Exponential BIC (smaller is better)	-3020.91

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8814	0.3478
M_bin	1	0.1351	0.7132
C	1	25.8424	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2520	0.0658	-3.3811	-3.1230	2440.08	<.0001
A	1	0.0705	0.0751	-0.0767	0.2176	0.88	0.3478
M_bin	1	0.0273	0.0742	-0.1181	0.1727	0.14	0.7132
C	1	0.1886	0.0371	0.1159	0.2613	25.84	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	15.6314	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004334	-0.001992	-0.002078	-0.001198	0
A	-0.001992	0.005637	-0.000673	0.000096904	0
M_bin	-0.002078	-0.000673	0.005503	-0.000402	0
C	-0.001198	0.000096904	-0.000402	0.001376	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1469.91183

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2939.824
AIC (smaller is better)	2947.824
AICC (smaller is better)	2947.864
BIC (smaller is better)	2967.455

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2846.91
Exponential AIC (smaller is better)	-2838.91
Exponential AICC (smaller is better)	-2838.87
Exponential BIC (smaller is better)	-2819.28

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0846	0.7711
M_bin	1	3.5682	0.0589
C	1	23.3406	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2075	0.0653	-3.3354	-3.0796	2415.48	<.0001
A	1	0.0220	0.0755	-0.1261	0.1700	0.08	0.7711
M_bin	1	0.1425	0.0754	-0.0054	0.2903	3.57	0.0589
C	1	0.1846	0.0382	0.1097	0.2595	23.34	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.0979	0.1475

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004259	-0.002078	-0.002053	-0.001147	0
A	-0.002078	0.005706	-0.000462	-0.000116	0
M_bin	-0.002053	-0.000462	0.005689	-0.000371	0
C	-0.001147	-0.000116	-0.000371	0.001460	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1464.791623

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2929.583
AIC (smaller is better)	2937.583
AICC (smaller is better)	2937.623
BIC (smaller is better)	2957.214

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3115.84
Exponential AIC (smaller is better)	-3107.84
Exponential AICC (smaller is better)	-3107.80
Exponential BIC (smaller is better)	-3088.21

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	5.6876	0.0171
M_bin	1	1.4648	0.2262
C	1	13.2159	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2903	0.0664	-3.4204	-3.1601	2454.63	<.0001
A	1	0.1791	0.0751	0.0319	0.3263	5.69	0.0171
M_bin	1	0.0884	0.0731	-0.0548	0.2316	1.46	0.2262
C	1	0.1344	0.0370	0.0619	0.2068	13.22	0.0003
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	9.5436	0.0020

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004410	-0.001891	-0.002260	-0.001227	0	
A	-0.001891	0.005641	-0.000346	-0.000025205	0	
M_bin	-0.002260	-0.000346	0.005337	-0.000313	0	
C	-0.001227	-0.000025205	-0.000313	0.001366	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1480.609512

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2961.219
AIC (smaller is better)	2969.219
AICC (smaller is better)	2969.259
BIC (smaller is better)	2988.850

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3052.91
Exponential AIC (smaller is better)	-3044.91
Exponential AICC (smaller is better)	-3044.87
Exponential BIC (smaller is better)	-3025.28

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8093	0.3683
M_bin	1	2.9116	0.0879
C	1	20.1509	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2671	0.0660	-3.3964	-3.1379	2453.52	<.0001
A	1	0.0672	0.0747	-0.0792	0.2136	0.81	0.3683
M_bin	1	0.1255	0.0735	-0.0187	0.2696	2.91	0.0879
C	1	0.1707	0.0380	0.0962	0.2452	20.15	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.5448	0.0330

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004351	-0.002157	-0.002103	-0.001259	0
A	-0.002157	0.005582	-0.000417	0.000155	0
M_bin	-0.002103	-0.000417	0.005409	-0.000318	0
C	-0.001259	0.000155	-0.000318	0.001446	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1461.808756

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2923.618
AIC (smaller is better)	2931.618
AICC (smaller is better)	2931.658
BIC (smaller is better)	2951.249

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3134.31
Exponential AIC (smaller is better)	-3126.31
Exponential AICC (smaller is better)	-3126.27
Exponential BIC (smaller is better)	-3106.68

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.4400	0.1183
M_bin	1	0.3682	0.5440
C	1	18.2697	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2757	0.0657	-3.4045	-3.1468	2483.36	<.0001
A	1	0.1145	0.0733	-0.0292	0.2582	2.44	0.1183
M_bin	1	0.0447	0.0737	-0.0997	0.1891	0.37	0.5440
C	1	0.1549	0.0362	0.0839	0.2260	18.27	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	10.1373	0.0015

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004321	-0.002202	-0.002127	-0.001053	0
A	-0.002202	0.005376	-0.000196	0.000023570	0
M_bin	-0.002127	-0.000196	0.005428	-0.000484	0
C	-0.001053	0.000023570	-0.000484	0.001314	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1470.707954

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2941.416
AIC (smaller is better)	2949.416
AICC (smaller is better)	2949.456
BIC (smaller is better)	2969.047

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2976.29
Exponential AIC (smaller is better)	-2968.29
Exponential AICC (smaller is better)	-2968.25
Exponential BIC (smaller is better)	-2948.66

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.1718	0.0749
M_bin	1	4.0514	0.0441
C	1	17.9781	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2829	0.0667	-3.4136	-3.1522	2423.05	<.0001
A	1	0.1331	0.0747	-0.0134	0.2796	3.17	0.0749
M_bin	1	0.1491	0.0741	0.0039	0.2943	4.05	0.0441
C	1	0.1554	0.0366	0.0835	0.2272	17.98	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.7951	0.0514

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004448	-0.002209	-0.002213	-0.001170	0
A	-0.002209	0.005586	-0.000200	0.000024085	0
M_bin	-0.002213	-0.000200	0.005488	-0.000323	0
C	-0.001170	0.000024085	-0.000323	0.001342	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1511.132461

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3022.265
AIC (smaller is better)	3030.265
AICC (smaller is better)	3030.305
BIC (smaller is better)	3049.896

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2932.94
Exponential AIC (smaller is better)	-2924.94
Exponential AICC (smaller is better)	-2924.90
Exponential BIC (smaller is better)	-2905.31

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.6652	0.0556
M_bin	1	1.9930	0.1580
C	1	7.2178	0.0072

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1950	0.0628	-3.3180	-3.0720	2591.13	<.0001
A	1	0.1467	0.0766	-0.0035	0.2969	3.67	0.0556
M_bin	1	0.1073	0.0760	-0.0417	0.2564	1.99	0.1580
C	1	0.0998	0.0371	0.0270	0.1726	7.22	0.0072
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.0264	0.8710

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003940	-0.001910	-0.001959	-0.000998	0
A	-0.001910	0.005874	-0.000467	-0.000054786	0
M_bin	-0.001959	-0.000467	0.005781	-0.000621	0
C	-0.000998	-0.000054786	-0.000621	0.001380	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	778
Right Censored Values	222
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1445.863576

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2891.727
AIC (smaller is better)	2899.727
AICC (smaller is better)	2899.767
BIC (smaller is better)	2919.358

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3219.89
Exponential AIC (smaller is better)	-3211.89
Exponential AICC (smaller is better)	-3211.85
Exponential BIC (smaller is better)	-3192.26

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	3.0808	0.0792
M_bin	1	0.4520	0.5014
C	1	13.6295	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2746	0.0669	-3.4057	-3.1435	2396.43	<.0001
A	1	0.1271	0.0724	-0.0148	0.2690	3.08	0.0792
M_bin	1	0.0486	0.0722	-0.0930	0.1901	0.45	0.5014
C	1	0.1326	0.0359	0.0622	0.2031	13.63	0.0002
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	21.2939	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004474	-0.002285	-0.002350	-0.001075	0
A	-0.002285	0.005243	0.000035859	0.000009874	0
M_bin	-0.002350	0.000035859	0.005216	-0.000309	0
C	-0.001075	0.000009874	-0.000309	0.001291	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1499.675575

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2999.351
AIC (smaller is better)	3007.351
AICC (smaller is better)	3007.391
BIC (smaller is better)	3026.982

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3159.12
Exponential AIC (smaller is better)	-3151.12
Exponential AICC (smaller is better)	-3151.08
Exponential BIC (smaller is better)	-3131.49

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.4905	0.0341
M_bin	1	0.0004	0.9849
C	1	2.9155	0.0877

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1934	0.0660	-3.3228	-3.0640	2340.12	<.0001
A	1	0.1567	0.0740	0.0118	0.3017	4.49	0.0341
M_bin	1	0.0014	0.0735	-0.1427	0.1455	0.00	0.9849
C	1	0.0637	0.0373	-0.0094	0.1369	2.92	0.0877
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.2609	0.1327

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004358	-0.001959	-0.002100	-0.001183	0	
A	-0.001959	0.005470	-0.000455	-0.000019998	0	
M_bin	-0.002100	-0.000455	0.005406	-0.000438	0	
C	-0.001183	-0.000019998	-0.000438	0.001393	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1480.463022

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2960.926
AIC (smaller is better)	2968.926
AICC (smaller is better)	2968.966
BIC (smaller is better)	2988.557

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3289.08
Exponential AIC (smaller is better)	-3281.08
Exponential AICC (smaller is better)	-3281.04
Exponential BIC (smaller is better)	-3261.45

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0279	0.8673
M_bin	1	1.5609	0.2115
C	1	9.3390	0.0022

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2266	0.0611	-3.3464	-3.1068	2788.44	<.0001
A	1	-0.0122	0.0730	-0.1552	0.1308	0.03	0.8673
M_bin	1	0.0920	0.0736	-0.0523	0.2363	1.56	0.2115
C	1	0.1057	0.0346	0.0379	0.1736	9.34	0.0022
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	9.0440	0.0026

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003734	-0.001996	-0.001803	-0.000868	0
A	-0.001996	0.005323	-0.000617	0.000103	0
M_bin	-0.001803	-0.000617	0.005421	-0.000552	0
C	-0.000868	0.000103	-0.000552	0.001197	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1463.380774

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2926.762
AIC (smaller is better)	2934.762
AICC (smaller is better)	2934.802
BIC (smaller is better)	2954.393

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3070.22
Exponential AIC (smaller is better)	-3062.22
Exponential AICC (smaller is better)	-3062.18
Exponential BIC (smaller is better)	-3042.59

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.6555	0.0174
M_bin	1	0.0249	0.8745
C	1	11.7670	0.0006

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2112	0.0644	-3.3375	-3.0850	2484.71	<.0001
A	1	0.1774	0.0746	0.0312	0.3236	5.66	0.0174
M_bin	1	-0.0117	0.0739	-0.1566	0.1332	0.02	0.8745
C	1	0.1260	0.0367	0.0540	0.1979	11.77	0.0006
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	9.4576	0.0021

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004150	-0.001926	-0.002063	-0.001090	0	
A	-0.001926	0.005563	-0.000588	-0.000008662	0	
M_bin	-0.002063	-0.000588	0.005464	-0.000407	0	
C	-0.001090	-0.000008662	-0.000407	0.001348	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1517.479271

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3034.959
AIC (smaller is better)	3042.959
AICC (smaller is better)	3042.999
BIC (smaller is better)	3062.590

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2973.82
Exponential AIC (smaller is better)	-2965.82
Exponential AICC (smaller is better)	-2965.78
Exponential BIC (smaller is better)	-2946.19

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8357	0.3606
M_bin	1	2.9800	0.0843
C	1	3.7422	0.0531

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1662	0.0692	-3.3018	-3.0306	2095.62	<.0001
A	1	0.0678	0.0742	-0.0776	0.2132	0.84	0.3606
M_bin	1	0.1276	0.0739	-0.0173	0.2724	2.98	0.0843
C	1	0.0701	0.0362	-0.0009	0.1410	3.74	0.0531
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.0265	0.8708

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004784	-0.002440	-0.002265	-0.001262	0
A	-0.002440	0.005505	-0.000182	0.000136	0
M_bin	-0.002265	-0.000182	0.005462	-0.000279	0
C	-0.001262	0.000136	-0.000279	0.001312	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1466.694112

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2933.388
AIC (smaller is better)	2941.388
AICC (smaller is better)	2941.428
BIC (smaller is better)	2961.019

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3023.50
Exponential AIC (smaller is better)	-3015.50
Exponential AICC (smaller is better)	-3015.46
Exponential BIC (smaller is better)	-2995.86

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.3611	0.0117
M_bin	1	9.5403	0.0020
C	1	9.5647	0.0020

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3050	0.0643	-3.4310	-3.1791	2645.67	<.0001
A	1	0.1880	0.0745	0.0419	0.3341	6.36	0.0117
M_bin	1	0.2285	0.0740	0.0835	0.3734	9.54	0.0020
C	1	0.1133	0.0366	0.0415	0.1851	9.56	0.0020
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	5.8072	0.0160

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004129	-0.002174	-0.002141	-0.001045	0
A	-0.002174	0.005556	-0.000279	0.000039545	0
M_bin	-0.002141	-0.000279	0.005471	-0.000311	0
C	-0.001045	0.000039545	-0.000311	0.001342	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	732
Right Censored Values	268
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1432.602424

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2865.205
AIC (smaller is better)	2873.205
AICC (smaller is better)	2873.245
BIC (smaller is better)	2892.836

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2877.78
Exponential AIC (smaller is better)	-2869.78
Exponential AICC (smaller is better)	-2869.73
Exponential BIC (smaller is better)	-2850.14

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.2180	0.6406
M_bin	1	1.7544	0.1853
C	1	11.9521	0.0005

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1437	0.0653	-3.2717	-3.0157	2316.91	<.0001
A	1	0.0350	0.0749	-0.1119	0.1818	0.22	0.6406
M_bin	1	0.0995	0.0752	-0.0478	0.2468	1.75	0.1853
C	1	0.1247	0.0361	0.0540	0.1954	11.95	0.0005
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	14.5961	0.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004266	-0.002249	-0.002060	-0.001054	0
A	-0.002249	0.005614	-0.000397	0.000041962	0
M_bin	-0.002060	-0.000397	0.005648	-0.000404	0
C	-0.001054	0.000041962	-0.000404	0.001301	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1481.923604

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2963.847
AIC (smaller is better)	2971.847
AICC (smaller is better)	2971.887
BIC (smaller is better)	2991.478

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3050.17
Exponential AIC (smaller is better)	-3042.17
Exponential AICC (smaller is better)	-3042.13
Exponential BIC (smaller is better)	-3022.54

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.3434	0.0372
M_bin	1	1.5926	0.2069
C	1	22.9277	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3187	0.0671	-3.4502	-3.1873	2448.24	<.0001
A	1	0.1554	0.0746	0.0093	0.3015	4.34	0.0372
M_bin	1	0.0932	0.0738	-0.0515	0.2379	1.59	0.2069
C	1	0.1775	0.0371	0.1048	0.2502	22.93	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.9459	0.0861

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004499	-0.002092	-0.002303	-0.001185	0
A	-0.002092	0.005559	-0.000521	0.000056178	0
M_bin	-0.002303	-0.000521	0.005450	-0.000272	0
C	-0.001185	0.000056178	-0.000272	0.001374	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1439.571155

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2879.142
AIC (smaller is better)	2887.142
AICC (smaller is better)	2887.183
BIC (smaller is better)	2906.773

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2995.42
Exponential AIC (smaller is better)	-2987.42
Exponential AICC (smaller is better)	-2987.38
Exponential BIC (smaller is better)	-2967.79

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.7152	0.0994
M_bin	1	2.2695	0.1319
C	1	19.4666	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2660	0.0661	-3.3955	-3.1365	2442.43	<.0001
A	1	0.1233	0.0748	-0.0234	0.2699	2.72	0.0994
M_bin	1	0.1126	0.0747	-0.0339	0.2591	2.27	0.1319
C	1	0.1661	0.0376	0.0923	0.2399	19.47	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	13.4602	0.0002

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004367	-0.002333	-0.002317	-0.001032	0
A	-0.002333	0.005598	0.000049128	0.000076099	0
M_bin	-0.002317	0.000049128	0.005587	-0.000554	0
C	-0.001032	0.000076099	-0.000554	0.001417	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1483.632387

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2967.265
AIC (smaller is better)	2975.265
AICC (smaller is better)	2975.305
BIC (smaller is better)	2994.896

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3097.25
Exponential AIC (smaller is better)	-3089.25
Exponential AICC (smaller is better)	-3089.21
Exponential BIC (smaller is better)	-3069.62

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.1959	0.1384
M_bin	1	0.1390	0.7093
C	1	7.1795	0.0074

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1877	0.0661	-3.3174	-3.0581	2323.21	<.0001
A	1	0.1105	0.0745	-0.0356	0.2566	2.20	0.1384
M_bin	1	0.0275	0.0737	-0.1170	0.1720	0.14	0.7093
C	1	0.0981	0.0366	0.0264	0.1699	7.18	0.0074
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.8226	0.0281

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004374	-0.002059	-0.002323	-0.001075	0
A	-0.002059	0.005557	-0.000193	0.000020812	0
M_bin	-0.002323	-0.000193	0.005435	-0.000463	0
C	-0.001075	0.000020812	-0.000463	0.001341	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1464.398296

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2928.797
AIC (smaller is better)	2936.797
AICC (smaller is better)	2936.837
BIC (smaller is better)	2956.428

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2999.50
Exponential AIC (smaller is better)	-2991.50
Exponential AICC (smaller is better)	-2991.46
Exponential BIC (smaller is better)	-2971.87

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.2513	0.0219
M_bin	1	1.7140	0.1905
C	1	6.0745	0.0137

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2103	0.0662	-3.3400	-3.0806	2353.97	<.0001
A	1	0.1713	0.0748	0.0248	0.3178	5.25	0.0219
M_bin	1	0.0972	0.0742	-0.0483	0.2427	1.71	0.1905
C	1	0.0915	0.0371	0.0187	0.1643	6.07	0.0137
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	7.0736	0.0078

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004378	-0.002176	-0.002173	-0.001139	0
A	-0.002176	0.005588	-0.000133	0.000021936	0
M_bin	-0.002173	-0.000133	0.005510	-0.000463	0
C	-0.001139	0.000021936	-0.000463	0.001379	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA143
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1507.777605

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3015.555
AIC (smaller is better)	3023.555
AICC (smaller is better)	3023.595
BIC (smaller is better)	3043.186

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3062.60
Exponential AIC (smaller is better)	-3054.60
Exponential AICC (smaller is better)	-3054.56
Exponential BIC (smaller is better)	-3034.97

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.1964	0.0128
M_bin	1	0.9730	0.3239
C	1	23.5702	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3303	0.0682	-3.4640	-3.1966	2382.58	<.0001
A	1	0.1859	0.0747	0.0395	0.3322	6.20	0.0128
M_bin	1	0.0725	0.0735	-0.0716	0.2167	0.97	0.3239
C	1	0.1723	0.0355	0.1027	0.2418	23.57	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.1765	0.6744

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004655	-0.002437	-0.002355	-0.001196	0	
A	-0.002437	0.005574	-0.000079631	0.000204	0	
M_bin	-0.002355	-0.000079631	0.005409	-0.000253	0	
C	-0.001196	0.000204	-0.000253	0.001259	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1433.33756

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2866.675
AIC (smaller is better)	2874.675
AICC (smaller is better)	2874.715
BIC (smaller is better)	2894.306

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3040.21
Exponential AIC (smaller is better)	-3032.21
Exponential AICC (smaller is better)	-3032.17
Exponential BIC (smaller is better)	-3012.58

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.6695	0.4132
M_bin	1	9.6356	0.0019
C	1	16.3007	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3004	0.0661	-3.4299	-3.1710	2496.41	<.0001
A	1	0.0603	0.0736	-0.0841	0.2046	0.67	0.4132
M_bin	1	0.2296	0.0740	0.0846	0.3746	9.64	0.0019
C	1	0.1477	0.0366	0.0760	0.2194	16.30	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	17.6298	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004363	-0.002273	-0.002178	-0.001061	0
A	-0.002273	0.005423	0.000095460	-0.000212	0
M_bin	-0.002178	0.000095460	0.005471	-0.000324	0
C	-0.001061	-0.000212	-0.000324	0.001338	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1498.934583

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2997.869
AIC (smaller is better)	3005.869
AICC (smaller is better)	3005.909
BIC (smaller is better)	3025.500

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3077.34
Exponential AIC (smaller is better)	-3069.34
Exponential AICC (smaller is better)	-3069.30
Exponential BIC (smaller is better)	-3049.71

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.9752	0.0462
M_bin	1	0.6951	0.4044
C	1	13.6264	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2452	0.0636	-3.3699	-3.1205	2600.73	<.0001
A	1	0.1494	0.0750	0.0025	0.2963	3.98	0.0462
M_bin	1	0.0618	0.0742	-0.0835	0.2072	0.70	0.4044
C	1	0.1305	0.0353	0.0612	0.1998	13.63	0.0002
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	1.5972	0.2063

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004049	-0.001865	-0.002231	-0.000919	0	
A	-0.001865	0.005618	-0.000611	-0.000028038	0	
M_bin	-0.002231	-0.000611	0.005499	-0.000409	0	
C	-0.000919	-0.000028038	-0.000409	0.001249	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1478.458548

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2956.917
AIC (smaller is better)	2964.917
AICC (smaller is better)	2964.957
BIC (smaller is better)	2984.548

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3134.02
Exponential AIC (smaller is better)	-3126.02
Exponential AICC (smaller is better)	-3125.98
Exponential BIC (smaller is better)	-3106.39

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.3016	0.0692
M_bin	1	1.1677	0.2799
C	1	11.7185	0.0006

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2887	0.0694	-3.4248	-3.1526	2243.10	<.0001
A	1	0.1334	0.0734	-0.0105	0.2773	3.30	0.0692
M_bin	1	0.0790	0.0732	-0.0643	0.2224	1.17	0.2799
C	1	0.1295	0.0378	0.0554	0.2037	11.72	0.0006
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	5.3107	0.0212

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004822	-0.002326	-0.002216	-0.001358	0
A	-0.002326	0.005388	-0.000330	0.000160	0
M_bin	-0.002216	-0.000330	0.005351	-0.000336	0
C	-0.001358	0.000160	-0.000336	0.001432	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1517.112587

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3034.225
AIC (smaller is better)	3042.225
AICC (smaller is better)	3042.265
BIC (smaller is better)	3061.856

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3200.78
Exponential AIC (smaller is better)	-3192.78
Exponential AICC (smaller is better)	-3192.74
Exponential BIC (smaller is better)	-3173.15

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0032	0.9549
M_bin	1	2.9882	0.0839
C	1	16.4023	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2797	0.0632	-3.4036	-3.1558	2690.93	<.0001
A	1	0.0042	0.0743	-0.1414	0.1498	0.00	0.9549
M_bin	1	0.1264	0.0731	-0.0169	0.2697	2.99	0.0839
C	1	0.1417	0.0350	0.0731	0.2103	16.40	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.2822	0.5953

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003997	-0.002100	-0.002189	-0.000944	0
A	-0.002100	0.005522	0.000042302	-0.000042663	0
M_bin	-0.002189	0.000042302	0.005345	-0.000347	0
C	-0.000944	-0.000042663	-0.000347	0.001224	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1474.486237

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2948.972
AIC (smaller is better)	2956.972
AICC (smaller is better)	2957.013
BIC (smaller is better)	2976.603

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3015.60
Exponential AIC (smaller is better)	-3007.60
Exponential AICC (smaller is better)	-3007.56
Exponential BIC (smaller is better)	-2987.97

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4932	0.4825
M_bin	1	0.6086	0.4353
C	1	15.4921	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2141	0.0674	-3.3461	-3.0821	2276.04	<.0001
A	1	0.0519	0.0739	-0.0930	0.1968	0.49	0.4825
M_bin	1	0.0580	0.0743	-0.0877	0.2037	0.61	0.4353
C	1	0.1491	0.0379	0.0749	0.2234	15.49	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.9062	0.0268

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004539	-0.002321	-0.002165	-0.001177	0
A	-0.002321	0.005467	-0.000145	0.000043854	0
M_bin	-0.002165	-0.000145	0.005525	-0.000485	0
C	-0.001177	0.000043854	-0.000485	0.001435	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1435.669703

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2871.339
AIC (smaller is better)	2879.339
AICC (smaller is better)	2879.380
BIC (smaller is better)	2898.970

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2914.52
Exponential AIC (smaller is better)	-2906.52
Exponential AICC (smaller is better)	-2906.48
Exponential BIC (smaller is better)	-2886.89

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	9.4699	0.0021
M_bin	1	5.8362	0.0157
C	1	11.6523	0.0006

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2830	0.0676	-3.4155	-3.1505	2357.09	<.0001
A	1	0.2284	0.0742	0.0829	0.3738	9.47	0.0021
M_bin	1	0.1793	0.0742	0.0338	0.3248	5.84	0.0157
C	1	0.1203	0.0353	0.0512	0.1895	11.65	0.0006
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	13.0686	0.0003

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004573	-0.002384	-0.002252	-0.001129	0
A	-0.002384	0.005507	-0.000196	0.000020663	0
M_bin	-0.002252	-0.000196	0.005509	-0.000217	0
C	-0.001129	0.000020663	-0.000217	0.001243	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1475.903828

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2951.808
AIC (smaller is better)	2959.808
AICC (smaller is better)	2959.848
BIC (smaller is better)	2979.439

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3053.83
Exponential AIC (smaller is better)	-3045.83
Exponential AICC (smaller is better)	-3045.79
Exponential BIC (smaller is better)	-3026.20

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7227	0.3953
M_bin	1	0.6706	0.4128
C	1	15.4270	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2289	0.0653	-3.3568	-3.1009	2446.17	<.0001
A	1	0.0636	0.0748	-0.0831	0.2103	0.72	0.3953
M_bin	1	0.0613	0.0749	-0.0854	0.2081	0.67	0.4128
C	1	0.1435	0.0365	0.0719	0.2151	15.43	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.2545	0.0391

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004262	-0.002150	-0.002093	-0.001057	0
A	-0.002150	0.005602	-0.000219	0.000076172	0
M_bin	-0.002093	-0.000219	0.005605	-0.000611	0
C	-0.001057	0.000076172	-0.000611	0.001334	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	732
Right Censored Values	268
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1460.601103

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2921.202
AIC (smaller is better)	2929.202
AICC (smaller is better)	2929.242
BIC (smaller is better)	2948.833

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2873.40
Exponential AIC (smaller is better)	-2865.40
Exponential AICC (smaller is better)	-2865.36
Exponential BIC (smaller is better)	-2845.77

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.4931	0.2217
M_bin	1	2.5854	0.1079
C	1	7.1093	0.0077

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1521	0.0674	-3.2843	-3.0199	2184.84	<.0001
A	1	0.0919	0.0752	-0.0555	0.2392	1.49	0.2217
M_bin	1	0.1202	0.0748	-0.0263	0.2667	2.59	0.1079
C	1	0.0973	0.0365	0.0258	0.1688	7.11	0.0077
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	6.0636	0.0138

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004548	-0.002400	-0.002214	-0.001174	0
A	-0.002400	0.005650	-0.000171	0.000146	0
M_bin	-0.002214	-0.000171	0.005588	-0.000376	0
C	-0.001174	0.000146	-0.000376	0.001332	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	775
Right Censored Values	225
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1487.036285

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2974.073
AIC (smaller is better)	2982.073
AICC (smaller is better)	2982.113
BIC (smaller is better)	3001.704

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3206.76
Exponential AIC (smaller is better)	-3198.76
Exponential AICC (smaller is better)	-3198.72
Exponential BIC (smaller is better)	-3179.13

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.0680	0.0798
M_bin	1	2.8144	0.0934
C	1	7.4077	0.0065

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2784	0.0652	-3.4061	-3.1507	2531.86	<.0001
A	1	0.1277	0.0729	-0.0152	0.2705	3.07	0.0798
M_bin	1	0.1217	0.0726	-0.0205	0.2640	2.81	0.0934
C	1	0.0949	0.0349	0.0266	0.1633	7.41	0.0065
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	6.6449	0.0099

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004245	-0.001993	-0.002146	-0.001040	0	
A	-0.001993	0.005312	-0.000438	-0.000065333	0	
M_bin	-0.002146	-0.000438	0.005266	-0.000284	0	
C	-0.001040	-0.000065333	-0.000284	0.001216	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1480.78629

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2961.573
AIC (smaller is better)	2969.573
AICC (smaller is better)	2969.613
BIC (smaller is better)	2989.204

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2941.41
Exponential AIC (smaller is better)	-2933.41
Exponential AICC (smaller is better)	-2933.37
Exponential BIC (smaller is better)	-2913.78

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0098	0.9211
M_bin	1	4.7464	0.0294
C	1	1.0334	0.3094

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1158	0.0667	-3.2464	-2.9851	2183.53	<.0001
A	1	0.0075	0.0753	-0.1402	0.1551	0.01	0.9211
M_bin	1	0.1631	0.0749	0.0164	0.3098	4.75	0.0294
C	1	0.0364	0.0358	-0.0338	0.1066	1.03	0.3094
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	1.9907	0.1583

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004446	-0.002340	-0.002133	-0.001126	0
A	-0.002340	0.005676	-0.000448	0.000229	0
M_bin	-0.002133	-0.000448	0.005603	-0.000423	0
C	-0.001126	0.000229	-0.000423	0.001283	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	725
Right Censored Values	275
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1431.937279

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2863.875
AIC (smaller is better)	2871.875
AICC (smaller is better)	2871.915
BIC (smaller is better)	2891.506

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2842.64
Exponential AIC (smaller is better)	-2834.64
Exponential AICC (smaller is better)	-2834.60
Exponential BIC (smaller is better)	-2815.01

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8522	0.3559
M_bin	1	1.0024	0.3167
C	1	30.0786	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2160	0.0682	-3.3497	-3.0822	2220.46	<.0001
A	1	0.0699	0.0757	-0.0785	0.2183	0.85	0.3559
M_bin	1	0.0751	0.0750	-0.0719	0.2220	1.00	0.3167
C	1	0.1996	0.0364	0.1283	0.2710	30.08	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	10.2921	0.0013

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004658	-0.002279	-0.002482	-0.001123	0
A	-0.002279	0.005735	-0.000325	0.000113	0
M_bin	-0.002482	-0.000325	0.005623	-0.000328	0
C	-0.001123	0.000113	-0.000328	0.001325	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1481.159544

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2962.319
AIC (smaller is better)	2970.319
AICC (smaller is better)	2970.359
BIC (smaller is better)	2989.950

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3118.64
Exponential AIC (smaller is better)	-3110.64
Exponential AICC (smaller is better)	-3110.60
Exponential BIC (smaller is better)	-3091.01

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.6093	0.0179
M_bin	1	1.1706	0.2793
C	1	7.5810	0.0059

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2724	0.0665	-3.4027	-3.1422	2425.09	<.0001
A	1	0.1756	0.0741	0.0303	0.3209	5.61	0.0179
M_bin	1	0.0797	0.0737	-0.0647	0.2242	1.17	0.2793
C	1	0.0984	0.0358	0.0284	0.1685	7.58	0.0059
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.8235	0.0505

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004416	-0.002214	-0.002145	-0.001132	0
A	-0.002214	0.005496	-0.000257	0.000099609	0
M_bin	-0.002145	-0.000257	0.005431	-0.000405	0
C	-0.001132	0.000099609	-0.000405	0.001278	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1443.933633

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2887.867
AIC (smaller is better)	2895.867
AICC (smaller is better)	2895.907
BIC (smaller is better)	2915.498

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2901.65
Exponential AIC (smaller is better)	-2893.65
Exponential AICC (smaller is better)	-2893.61
Exponential BIC (smaller is better)	-2874.02

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0180	0.8932
M_bin	1	1.1751	0.2783
C	1	11.2944	0.0008

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1331	0.0665	-3.2634	-3.0027	2218.77	<.0001
A	1	0.0101	0.0753	-0.1375	0.1577	0.02	0.8932
M_bin	1	0.0811	0.0748	-0.0655	0.2276	1.18	0.2783
C	1	0.1226	0.0365	0.0511	0.1942	11.29	0.0008
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	12.0794	0.0005

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004424	-0.002063	-0.002174	-0.001144	0
A	-0.002063	0.005670	-0.000546	0.000031702	0
M_bin	-0.002174	-0.000546	0.005591	-0.000399	0
C	-0.001144	0.000031702	-0.000399	0.001332	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1487.51676

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2975.034
AIC (smaller is better)	2983.034
AICC (smaller is better)	2983.074
BIC (smaller is better)	3002.665

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3129.82
Exponential AIC (smaller is better)	-3121.82
Exponential AICC (smaller is better)	-3121.78
Exponential BIC (smaller is better)	-3102.19

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.1627	0.1414
M_bin	1	0.8247	0.3638
C	1	12.1283	0.0005

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2613	0.0667	-3.3920	-3.1306	2391.71	<.0001
A	1	0.1079	0.0734	-0.0359	0.2517	2.16	0.1414
M_bin	1	0.0669	0.0737	-0.0775	0.2114	0.82	0.3638
C	1	0.1322	0.0380	0.0578	0.2066	12.13	0.0005
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.9804	0.0460

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004447	-0.002188	-0.002271	-0.001098	0	
A	-0.002188	0.005384	-0.000152	-0.000020046	0	
M_bin	-0.002271	-0.000152	0.005433	-0.000491	0	
C	-0.001098	-0.000020046	-0.000491	0.001442	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1464.438967

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2928.878
AIC (smaller is better)	2936.878
AICC (smaller is better)	2936.918
BIC (smaller is better)	2956.509

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3032.20
Exponential AIC (smaller is better)	-3024.20
Exponential AICC (smaller is better)	-3024.16
Exponential BIC (smaller is better)	-3004.57

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0439	0.8341
M_bin	1	7.3604	0.0067
C	1	5.3427	0.0208

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1913	0.0688	-3.3261	-3.0565	2153.55	<.0001
A	1	-0.0154	0.0734	-0.1592	0.1285	0.04	0.8341
M_bin	1	0.1999	0.0737	0.0555	0.3443	7.36	0.0067
C	1	0.0846	0.0366	0.0129	0.1563	5.34	0.0208
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	7.7663	0.0053

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004729	-0.002423	-0.002104	-0.001286	0
A	-0.002423	0.005386	-0.000239	0.000085076	0
M_bin	-0.002104	-0.000239	0.005427	-0.000286	0
C	-0.001286	0.000085076	-0.000286	0.001339	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1471.655268

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2943.311
AIC (smaller is better)	2951.311
AICC (smaller is better)	2951.351
BIC (smaller is better)	2970.942

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3056.69
Exponential AIC (smaller is better)	-3048.69
Exponential AICC (smaller is better)	-3048.65
Exponential BIC (smaller is better)	-3029.06

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	7.2586	0.0071
M_bin	1	0.9342	0.3338
C	1	5.0598	0.0245

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2241	0.0666	-3.3546	-3.0936	2343.37	<.0001
A	1	0.1988	0.0738	0.0542	0.3434	7.26	0.0071
M_bin	1	0.0712	0.0737	-0.0732	0.2157	0.93	0.3338
C	1	0.0783	0.0348	0.0101	0.1465	5.06	0.0245
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	5.3759	0.0204

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004436	-0.002326	-0.002366	-0.000978	0
A	-0.002326	0.005445	-0.000028643	0.000042643	0
M_bin	-0.002366	-0.000028643	0.005433	-0.000381	0
C	-0.000978	0.000042643	-0.000381	0.001211	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1452.799666

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2905.599
AIC (smaller is better)	2913.599
AICC (smaller is better)	2913.640
BIC (smaller is better)	2933.230

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3057.81
Exponential AIC (smaller is better)	-3049.81
Exponential AICC (smaller is better)	-3049.77
Exponential BIC (smaller is better)	-3030.18

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	0.0397	0.8420
M_bin	1	3.9366	0.0472
C	1	12.4161	0.0004

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2328	0.0664	-3.3628	-3.1027	2372.93	<.0001
A	1	0.0148	0.0743	-0.1308	0.1604	0.04	0.8420
M_bin	1	0.1465	0.0739	0.0018	0.2913	3.94	0.0472
C	1	0.1272	0.0361	0.0564	0.1980	12.42	0.0004
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	11.3353	0.0008

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004404	-0.002215	-0.002280	-0.001067	0
A	-0.002215	0.005520	-0.000182	0.000074004	0
M_bin	-0.002280	-0.000182	0.005455	-0.000424	0
C	-0.001067	0.000074004	-0.000424	0.001303	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1489.898237

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2979.796
AIC (smaller is better)	2987.796
AICC (smaller is better)	2987.837
BIC (smaller is better)	3007.427

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2984.72
Exponential AIC (smaller is better)	-2976.72
Exponential AICC (smaller is better)	-2976.68
Exponential BIC (smaller is better)	-2957.09

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1507	0.6978
M_bin	1	2.6098	0.1062
C	1	7.0712	0.0078

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1847	0.0673	-3.3165	-3.0528	2242.47	<.0001
A	1	0.0290	0.0747	-0.1174	0.1753	0.15	0.6978
M_bin	1	0.1206	0.0746	-0.0257	0.2668	2.61	0.1062
C	1	0.0957	0.0360	0.0252	0.1662	7.07	0.0078
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	1.2793	0.2580

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004523	-0.002235	-0.002147	-0.001148	0
A	-0.002235	0.005575	-0.000266	0.000053560	0
M_bin	-0.002147	-0.000266	0.005570	-0.000453	0
C	-0.001148	0.000053560	-0.000453	0.001294	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1504.374243

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3008.748
AIC (smaller is better)	3016.748
AICC (smaller is better)	3016.789
BIC (smaller is better)	3036.380

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3124.72
Exponential AIC (smaller is better)	-3116.72
Exponential AICC (smaller is better)	-3116.68
Exponential BIC (smaller is better)	-3097.09

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.6644	0.4150
M_bin	1	1.1243	0.2890
C	1	7.5869	0.0059

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2370	0.0700	-3.3742	-3.0998	2137.82	<.0001
A	1	0.0600	0.0736	-0.0843	0.2043	0.66	0.4150
M_bin	1	0.0779	0.0735	-0.0661	0.2220	1.12	0.2890
C	1	0.1033	0.0375	0.0298	0.1768	7.59	0.0059
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.7742	0.3789

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004901	-0.002439	-0.002128	-0.001387	0
A	-0.002439	0.005417	-0.000372	0.000230	0
M_bin	-0.002128	-0.000372	0.005402	-0.000374	0
C	-0.001387	0.000230	-0.000374	0.001407	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1453.049866

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2906.100
AIC (smaller is better)	2914.100
AICC (smaller is better)	2914.140
BIC (smaller is better)	2933.731

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2963.11
Exponential AIC (smaller is better)	-2955.11
Exponential AICC (smaller is better)	-2955.07
Exponential BIC (smaller is better)	-2935.48

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.2828	0.0385
M_bin	1	0.0141	0.9056
C	1	20.1655	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2216	0.0687	-3.3562	-3.0871	2201.93	<.0001
A	1	0.1540	0.0744	0.0081	0.2998	4.28	0.0385
M_bin	1	0.0088	0.0746	-0.1374	0.1551	0.01	0.9056
C	1	0.1658	0.0369	0.0934	0.2381	20.17	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	8.8992	0.0029

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004714	-0.002323	-0.002421	-0.001132	0
A	-0.002323	0.005534	-0.000389	0.000165	0
M_bin	-0.002421	-0.000389	0.005566	-0.000424	0
C	-0.001132	0.000165	-0.000424	0.001363	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1468.719514

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2937.439
AIC (smaller is better)	2945.439
AICC (smaller is better)	2945.479
BIC (smaller is better)	2965.070

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2954.09
Exponential AIC (smaller is better)	-2946.09
Exponential AICC (smaller is better)	-2946.05
Exponential BIC (smaller is better)	-2926.46

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.9646	0.0465
M_bin	1	0.3240	0.5692
C	1	28.2750	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2652	0.0645	-3.3917	-3.1387	2559.18	<.0001
A	1	0.1513	0.0760	0.0024	0.3003	3.96	0.0465
M_bin	1	0.0426	0.0748	-0.1040	0.1891	0.32	0.5692
C	1	0.1904	0.0358	0.1202	0.2606	28.27	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.0743	0.0795

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004166	-0.001948	-0.002330	-0.000944	0
A	-0.001948	0.005777	-0.000379	-0.000100	0
M_bin	-0.002330	-0.000379	0.005593	-0.000393	0
C	-0.000944	-0.000100	-0.000393	0.001283	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	771
Right Censored Values	229
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1471.45602

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2942.912
AIC (smaller is better)	2950.912
AICC (smaller is better)	2950.952
BIC (smaller is better)	2970.543

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3212.50
Exponential AIC (smaller is better)	-3204.50
Exponential AICC (smaller is better)	-3204.46
Exponential BIC (smaller is better)	-3184.87

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	8.4627	0.0036
M_bin	1	2.2124	0.1369
C	1	9.8280	0.0017

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3321	0.0660	-3.4614	-3.2028	2551.64	<.0001
A	1	0.2136	0.0734	0.0697	0.3575	8.46	0.0036
M_bin	1	0.1083	0.0728	-0.0344	0.2510	2.21	0.1369
C	1	0.1095	0.0349	0.0410	0.1780	9.83	0.0017
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	8.3339	0.0039

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004351	-0.002230	-0.002150	-0.001094	0
A	-0.002230	0.005390	-0.000347	0.000176	0
M_bin	-0.002150	-0.000347	0.005300	-0.000341	0
C	-0.001094	0.000176	-0.000341	0.001220	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1452.11522

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2904.230
AIC (smaller is better)	2912.230
AICC (smaller is better)	2912.271
BIC (smaller is better)	2931.861

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2965.78
Exponential AIC (smaller is better)	-2957.78
Exponential AICC (smaller is better)	-2957.74
Exponential BIC (smaller is better)	-2938.15

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.1803	0.0409
M_bin	1	1.3981	0.2370
C	1	11.6212	0.0007

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2192	0.0678	-3.3520	-3.0863	2254.74	<.0001
A	1	0.1547	0.0757	0.0064	0.3030	4.18	0.0409
M_bin	1	0.0875	0.0740	-0.0576	0.2326	1.40	0.2370
C	1	0.1180	0.0346	0.0501	0.1858	11.62	0.0007
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	9.5373	0.0020

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004596	-0.002195	-0.002379	-0.001165	0
A	-0.002195	0.005724	-0.000575	0.000229	0
M_bin	-0.002379	-0.000575	0.005479	-0.000220	0
C	-0.001165	0.000229	-0.000220	0.001198	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1430.239313

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2860.479
AIC (smaller is better)	2868.479
AICC (smaller is better)	2868.519
BIC (smaller is better)	2888.110

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3037.13
Exponential AIC (smaller is better)	-3029.13
Exponential AICC (smaller is better)	-3029.09
Exponential BIC (smaller is better)	-3009.50

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.4136	0.1203
M_bin	1	0.0005	0.9818
C	1	21.3144	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2158	0.0649	-3.3429	-3.0887	2458.44	<.0001
A	1	0.1160	0.0747	-0.0303	0.2623	2.41	0.1203
M_bin	1	0.0017	0.0738	-0.1430	0.1464	0.00	0.9818
C	1	0.1611	0.0349	0.0927	0.2295	21.31	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	22.5549	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004206	-0.002117	-0.002128	-0.001038	0
A	-0.002117	0.005574	-0.000453	0.000118	0
M_bin	-0.002128	-0.000453	0.005449	-0.000365	0
C	-0.001038	0.000118	-0.000365	0.001218	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1493.83777

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2987.676
AIC (smaller is better)	2995.676
AICC (smaller is better)	2995.716
BIC (smaller is better)	3015.307

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3136.02
Exponential AIC (smaller is better)	-3128.02
Exponential AICC (smaller is better)	-3127.98
Exponential BIC (smaller is better)	-3108.39

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	17.7108	<.0001
M_bin	1	2.2883	0.1303
C	1	7.9038	0.0049

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3392	0.0665	-3.4694	-3.2089	2524.60	<.0001
A	1	0.3159	0.0751	0.1688	0.4631	17.71	<.0001
M_bin	1	0.1112	0.0735	-0.0329	0.2552	2.29	0.1303
C	1	0.1027	0.0365	0.0311	0.1743	7.90	0.0049
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.2314	0.1352

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004417	-0.002238	-0.002105	-0.001239	0
A	-0.002238	0.005636	-0.000100	0.000168	0
M_bin	-0.002105	-0.000100	0.005399	-0.000399	0
C	-0.001239	0.000168	-0.000399	0.001335	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1479.162839

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2958.326
AIC (smaller is better)	2966.326
AICC (smaller is better)	2966.366
BIC (smaller is better)	2985.957

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3047.46
Exponential AIC (smaller is better)	-3039.46
Exponential AICC (smaller is better)	-3039.42
Exponential BIC (smaller is better)	-3019.83

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.0389	0.0445
M_bin	1	0.0902	0.7639
C	1	26.1474	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2744	0.0665	-3.4047	-3.1442	2426.92	<.0001
A	1	0.1492	0.0742	0.0037	0.2947	4.04	0.0445
M_bin	1	0.0222	0.0739	-0.1226	0.1670	0.09	0.7639
C	1	0.1939	0.0379	0.1196	0.2682	26.15	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.5349	0.0601

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004418	-0.002175	-0.002330	-0.001105	0
A	-0.002175	0.005511	-0.000337	0.000075288	0
M_bin	-0.002330	-0.000337	0.005458	-0.000394	0
C	-0.001105	0.000075288	-0.000394	0.001438	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1503.701478

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3007.403
AIC (smaller is better)	3015.403
AICC (smaller is better)	3015.443
BIC (smaller is better)	3035.034

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2998.46
Exponential AIC (smaller is better)	-2990.46
Exponential AICC (smaller is better)	-2990.42
Exponential BIC (smaller is better)	-2970.83

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.3843	0.5353
M_bin	1	3.1725	0.0749
C	1	6.1729	0.0130

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1882	0.0663	-3.3182	-3.0581	2309.08	<.0001
A	1	0.0465	0.0751	-0.1006	0.1937	0.38	0.5353
M_bin	1	0.1336	0.0750	-0.0134	0.2807	3.17	0.0749
C	1	0.0890	0.0358	0.0188	0.1593	6.17	0.0130
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.4525	0.5011

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004402	-0.002421	-0.002012	-0.001134	0
A	-0.002421	0.005635	-0.000230	0.000247	0
M_bin	-0.002012	-0.000230	0.005628	-0.000531	0
C	-0.001134	0.000247	-0.000531	0.001284	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1483.566022

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2967.132
AIC (smaller is better)	2975.132
AICC (smaller is better)	2975.172
BIC (smaller is better)	2994.763

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3096.99
Exponential AIC (smaller is better)	-3088.99
Exponential AICC (smaller is better)	-3088.95
Exponential BIC (smaller is better)	-3069.35

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.3573	0.0117
M_bin	1	0.6840	0.4082
C	1	24.5134	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2679	0.0653	-3.3958	-3.1400	2506.68	<.0001
A	1	0.1858	0.0737	0.0414	0.3302	6.36	0.0117
M_bin	1	-0.0612	0.0740	-0.2063	0.0838	0.68	0.4082
C	1	0.1791	0.0362	0.1082	0.2500	24.51	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.4079	0.0649

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004260	-0.002263	-0.002067	-0.001051	0
A	-0.002263	0.005429	-0.000217	0.000070892	0
M_bin	-0.002067	-0.000217	0.005477	-0.000466	0
C	-0.001051	0.000070892	-0.000466	0.001308	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1480.057349

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2960.115
AIC (smaller is better)	2968.115
AICC (smaller is better)	2968.155
BIC (smaller is better)	2987.746

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3110.53
Exponential AIC (smaller is better)	-3102.53
Exponential AICC (smaller is better)	-3102.49
Exponential BIC (smaller is better)	-3082.90

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9157	0.3386
M_bin	1	0.9325	0.3342
C	1	17.0967	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2587	0.0655	-3.3870	-3.1303	2475.72	<.0001
A	1	0.0706	0.0738	-0.0740	0.2152	0.92	0.3386
M_bin	1	0.0712	0.0737	-0.0733	0.2156	0.93	0.3342
C	1	0.1501	0.0363	0.0789	0.2212	17.10	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.8129	0.0282

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004289	-0.002145	-0.002121	-0.001075	0
A	-0.002145	0.005442	-0.000287	0.000028041	0
M_bin	-0.002121	-0.000287	0.005429	-0.000434	0
C	-0.001075	0.000028041	-0.000434	0.001317	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	728
Right Censored Values	272
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1482.125654

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2964.251
AIC (smaller is better)	2972.251
AICC (smaller is better)	2972.292
BIC (smaller is better)	2991.882

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2873.52
Exponential AIC (smaller is better)	-2865.52
Exponential AICC (smaller is better)	-2865.48
Exponential BIC (smaller is better)	-2845.89

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1790	0.2776
M_bin	1	0.3881	0.5333
C	1	14.9690	0.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1684	0.0699	-3.3054	-3.0315	2056.09	<.0001
A	1	0.0820	0.0755	-0.0660	0.2301	1.18	0.2776
M_bin	1	0.0467	0.0750	-0.1003	0.1938	0.39	0.5333
C	1	0.1447	0.0374	0.0714	0.2180	14.97	0.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	1.2616	0.2613

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004882	-0.002737	-0.002399	-0.001250	0
A	-0.002737	0.005707	0.000119	0.000295	0
M_bin	-0.002399	0.000119	0.005630	-0.000417	0
C	-0.001250	0.000295	-0.000417	0.001399	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1485.201016

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2970.402
AIC (smaller is better)	2978.402
AICC (smaller is better)	2978.442
BIC (smaller is better)	2998.033

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3207.61
Exponential AIC (smaller is better)	-3199.61
Exponential AICC (smaller is better)	-3199.57
Exponential BIC (smaller is better)	-3179.98

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.5790	0.0182
M_bin	1	0.6363	0.4250
C	1	14.2100	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3051	0.0653	-3.4332	-3.1771	2559.26	<.0001
A	1	0.1758	0.0744	0.0299	0.3216	5.58	0.0182
M_bin	1	0.0582	0.0729	-0.0848	0.2012	0.64	0.4250
C	1	0.1344	0.0357	0.0645	0.2043	14.21	0.0002
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.5372	0.0332

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004268	-0.002314	-0.002179	-0.001103	0	
A	-0.002314	0.005538	-0.000003164	0.000212	0	
M_bin	-0.002179	-0.000003164	0.005321	-0.000382	0	
C	-0.001103	0.000212	-0.000382	0.001271	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA175
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	730
Right Censored Values	270
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1470.614782

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2941.230
AIC (smaller is better)	2949.230
AICC (smaller is better)	2949.270
BIC (smaller is better)	2968.861

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2869.83
Exponential AIC (smaller is better)	-2861.83
Exponential AICC (smaller is better)	-2861.79
Exponential BIC (smaller is better)	-2842.20

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.6389	0.4241
M_bin	1	0.1427	0.7056
C	1	5.7735	0.0163

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1033	0.0723	-3.2449	-2.9617	1844.46	<.0001
A	1	0.0601	0.0752	-0.0873	0.2076	0.64	0.4241
M_bin	1	0.0283	0.0748	-0.1184	0.1749	0.14	0.7056
C	1	0.0892	0.0371	0.0164	0.1620	5.77	0.0163
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.8107	0.0936

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.005221	-0.002441	-0.002401	-0.001419	0
A	-0.002441	0.005658	-0.000420	0.000224	0
M_bin	-0.002401	-0.000420	0.005600	-0.000335	0
C	-0.001419	0.000224	-0.000335	0.001378	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1497.755999

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2995.512
AIC (smaller is better)	3003.512
AICC (smaller is better)	3003.552
BIC (smaller is better)	3023.143

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3109.18
Exponential AIC (smaller is better)	-3101.18
Exponential AICC (smaller is better)	-3101.14
Exponential BIC (smaller is better)	-3081.55

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0824	0.7741
M_bin	1	3.5821	0.0584
C	1	14.7929	0.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2663	0.0668	-3.3972	-3.1355	2392.30	<.0001
A	1	0.0213	0.0743	-0.1243	0.1670	0.08	0.7741
M_bin	1	0.1385	0.0732	-0.0049	0.2819	3.58	0.0584
C	1	0.1462	0.0380	0.0717	0.2206	14.79	0.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.1237	0.1450

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004460	-0.002084	-0.002225	-0.001257	0
A	-0.002084	0.005525	-0.000313	0.000049992	0
M_bin	-0.002225	-0.000313	0.005356	-0.000315	0
C	-0.001257	0.000049992	-0.000315	0.001444	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1464.694844

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2929.390
AIC (smaller is better)	2937.390
AICC (smaller is better)	2937.430
BIC (smaller is better)	2957.021

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3007.55
Exponential AIC (smaller is better)	-2999.55
Exponential AICC (smaller is better)	-2999.51
Exponential BIC (smaller is better)	-2979.92

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.6095	0.1062
M_bin	1	0.0166	0.8974
C	1	31.6307	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2632	0.0629	-3.3865	-3.1400	2692.84	<.0001
A	1	0.1221	0.0756	-0.0260	0.2702	2.61	0.1062
M_bin	1	0.0097	0.0750	-0.1373	0.1567	0.02	0.8974
C	1	0.2059	0.0366	0.1341	0.2777	31.63	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	5.5675	0.0183

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003954	-0.001764	-0.002020	-0.000979	0
A	-0.001764	0.005713	-0.000915	-0.000213	0
M_bin	-0.002020	-0.000915	0.005624	-0.000333	0
C	-0.000979	-0.000213	-0.000333	0.001340	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1469.236603

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2938.473
AIC (smaller is better)	2946.473
AICC (smaller is better)	2946.513
BIC (smaller is better)	2966.104

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3051.76
Exponential AIC (smaller is better)	-3043.76
Exponential AICC (smaller is better)	-3043.72
Exponential BIC (smaller is better)	-3024.13

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.2298	0.2674
M_bin	1	0.5409	0.4621
C	1	2.0266	0.1546

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.0681	0.0714	-3.2082	-2.9281	1844.39	<.0001
A	1	-0.0819	0.0738	-0.2265	0.0628	1.23	0.2674
M_bin	1	0.0538	0.0732	-0.0896	0.1972	0.54	0.4621
C	1	0.0531	0.0373	-0.0200	0.1261	2.03	0.1546
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	7.2360	0.0071

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.005104	-0.002400	-0.002370	-0.001454	0
A	-0.002400	0.005449	-0.000424	0.000226	0
M_bin	-0.002370	-0.000424	0.005354	-0.000181	0
C	-0.001454	0.000226	-0.000181	0.001389	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1431.534471

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2863.069
AIC (smaller is better)	2871.069
AICC (smaller is better)	2871.109
BIC (smaller is better)	2890.700

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3000.45
Exponential AIC (smaller is better)	-2992.45
Exponential AICC (smaller is better)	-2992.41
Exponential BIC (smaller is better)	-2972.82

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.9147	0.0085
M_bin	1	1.5130	0.2187
C	1	29.8090	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3251	0.0648	-3.4520	-3.1981	2634.68	<.0001
A	1	0.1968	0.0749	0.0501	0.3436	6.91	0.0085
M_bin	1	0.0919	0.0747	-0.0545	0.2382	1.51	0.2187
C	1	0.2037	0.0373	0.1306	0.2768	29.81	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	15.3004	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004196	-0.002231	-0.002086	-0.001076	0
A	-0.002231	0.005604	-0.000150	0.000061469	0
M_bin	-0.002086	-0.000150	0.005576	-0.000487	0
C	-0.001076	0.000061469	-0.000487	0.001392	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1443.237296

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2886.475
AIC (smaller is better)	2894.475
AICC (smaller is better)	2894.515
BIC (smaller is better)	2914.106

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2959.52
Exponential AIC (smaller is better)	-2951.52
Exponential AICC (smaller is better)	-2951.48
Exponential BIC (smaller is better)	-2931.89

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.2309	0.0126
M_bin	1	0.8889	0.3458
C	1	3.8720	0.0491

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1652	0.0666	-3.2957	-3.0348	2261.86	<.0001
A	1	0.1874	0.0751	0.0403	0.3345	6.23	0.0126
M_bin	1	0.0704	0.0746	-0.0759	0.2166	0.89	0.3458
C	1	0.0718	0.0365	0.0003	0.1434	3.87	0.0491
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	14.7604	0.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004429	-0.002271	-0.002050	-0.001176	0
A	-0.002271	0.005636	-0.000609	0.000260	0
M_bin	-0.002050	-0.000609	0.005570	-0.000460	0
C	-0.001176	0.000260	-0.000460	0.001332	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1455.343807

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2910.688
AIC (smaller is better)	2918.688
AICC (smaller is better)	2918.728
BIC (smaller is better)	2938.319

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2979.58
Exponential AIC (smaller is better)	-2971.58
Exponential AICC (smaller is better)	-2971.54
Exponential BIC (smaller is better)	-2951.95

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	8.0349	0.0046
M_bin	1	0.0495	0.8240
C	1	21.5882	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2587	0.0681	-3.3921	-3.1252	2290.35	<.0001
A	1	0.2120	0.0748	0.0654	0.3585	8.03	0.0046
M_bin	1	0.0165	0.0741	-0.1287	0.1617	0.05	0.8240
C	1	0.1670	0.0359	0.0966	0.2375	21.59	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	7.9183	0.0049

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004636	-0.002261	-0.002613	-0.001044	0
A	-0.002261	0.005592	0.000064585	-0.000032698	0
M_bin	-0.002613	0.000064585	0.005487	-0.000331	0
C	-0.001044	-0.000032698	-0.000331	0.001292	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1492.492238

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2984.984
AIC (smaller is better)	2992.984
AICC (smaller is better)	2993.025
BIC (smaller is better)	3012.615

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3061.04
Exponential AIC (smaller is better)	-3053.04
Exponential AICC (smaller is better)	-3053.00
Exponential BIC (smaller is better)	-3033.41

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.6550	0.0099
M_bin	1	0.6393	0.4240
C	1	7.3076	0.0069

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2370	0.0677	-3.3697	-3.1044	2288.21	<.0001
A	1	0.1900	0.0736	0.0456	0.3343	6.65	0.0099
M_bin	1	0.0588	0.0735	-0.0853	0.2029	0.64	0.4240
C	1	0.0928	0.0343	0.0255	0.1602	7.31	0.0069
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.1284	0.1446

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004579	-0.002408	-0.002289	-0.001072	0
A	-0.002408	0.005424	-0.000132	0.000124	0
M_bin	-0.002289	-0.000132	0.005407	-0.000332	0
C	-0.001072	0.000124	-0.000332	0.001180	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1490.909234

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2981.818
AIC (smaller is better)	2989.818
AICC (smaller is better)	2989.859
BIC (smaller is better)	3009.449

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3142.08
Exponential AIC (smaller is better)	-3134.08
Exponential AICC (smaller is better)	-3134.04
Exponential BIC (smaller is better)	-3114.45

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0273	0.8688
M_bin	1	0.5532	0.4570
C	1	16.3080	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2304	0.0648	-3.3575	-3.1033	2482.96	<.0001
A	1	0.0121	0.0734	-0.1318	0.1561	0.03	0.8688
M_bin	1	0.0549	0.0738	-0.0898	0.1996	0.55	0.4570
C	1	0.1432	0.0355	0.0737	0.2127	16.31	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.4385	0.1184

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004203	-0.002249	-0.002190	-0.000925	0
A	-0.002249	0.005393	-0.000276	0.000078345	0
M_bin	-0.002190	-0.000276	0.005452	-0.000464	0
C	-0.000925	0.000078345	-0.000464	0.001257	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA184
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1488.610841

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2977.222
AIC (smaller is better)	2985.222
AICC (smaller is better)	2985.262
BIC (smaller is better)	3004.853

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3083.27
Exponential AIC (smaller is better)	-3075.27
Exponential AICC (smaller is better)	-3075.23
Exponential BIC (smaller is better)	-3055.64

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.2891	0.5908
M_bin	1	0.6549	0.4184
C	1	10.2647	0.0014

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1967	0.0667	-3.3274	-3.0661	2299.67	<.0001
A	1	0.0397	0.0739	-0.1051	0.1846	0.29	0.5908
M_bin	1	0.0596	0.0737	-0.0848	0.2041	0.65	0.4184
C	1	0.1203	0.0375	0.0467	0.1939	10.26	0.0014
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.7256	0.0536

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004444	-0.002108	-0.002120	-0.001203	0
A	-0.002108	0.005463	-0.000408	0.000053071	0
M_bin	-0.002120	-0.000408	0.005432	-0.000434	0
C	-0.001203	0.000053071	-0.000434	0.001410	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA185
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1493.079035

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2986.158
AIC (smaller is better)	2994.158
AICC (smaller is better)	2994.198
BIC (smaller is better)	3013.789

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3190.79
Exponential AIC (smaller is better)	-3182.79
Exponential AICC (smaller is better)	-3182.75
Exponential BIC (smaller is better)	-3163.16

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9220	0.3369
M_bin	1	0.6922	0.4054
C	1	20.7922	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2953	0.0648	-3.4223	-3.1683	2585.10	<.0001
A	1	0.0706	0.0736	-0.0735	0.2148	0.92	0.3369
M_bin	1	0.0608	0.0731	-0.0825	0.2041	0.69	0.4054
C	1	0.1615	0.0354	0.0921	0.2309	20.79	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.7195	0.0991

Estimated Covariance Matrix						
	Intercept	A	M_bin	C	Scale	
Intercept	0.004201	-0.002034	-0.002145	-0.001031	0	
A	-0.002034	0.005410	-0.000379	-0.000007050	0	
M_bin	-0.002145	-0.000379	0.005345	-0.000359	0	
C	-0.001031	-0.000007050	-0.000359	0.001254	0	
Scale	0	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	730
Right Censored Values	270
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1474.386524

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2948.773
AIC (smaller is better)	2956.773
AICC (smaller is better)	2956.813
BIC (smaller is better)	2976.404

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2859.62
Exponential AIC (smaller is better)	-2851.62
Exponential AICC (smaller is better)	-2851.58
Exponential BIC (smaller is better)	-2831.99

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.7348	0.1878
M_bin	1	3.6326	0.0567
C	1	4.8809	0.0272

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1483	0.0668	-3.2792	-3.0174	2221.53	<.0001
A	1	0.0996	0.0756	-0.0486	0.2477	1.73	0.1878
M_bin	1	0.1434	0.0752	-0.0041	0.2908	3.63	0.0567
C	1	0.0794	0.0359	0.0090	0.1498	4.88	0.0272
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	2.6337	0.1046

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004462	-0.002241	-0.002081	-0.001163	0
A	-0.002241	0.005714	-0.000543	0.000145	0
M_bin	-0.002081	-0.000543	0.005660	-0.000406	0
C	-0.001163	0.000145	-0.000406	0.001292	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1477.237883

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2954.476
AIC (smaller is better)	2962.476
AICC (smaller is better)	2962.516
BIC (smaller is better)	2982.107

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3141.28
Exponential AIC (smaller is better)	-3133.28
Exponential AICC (smaller is better)	-3133.24
Exponential BIC (smaller is better)	-3113.65

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1535	0.2828
M_bin	1	1.7602	0.1846
C	1	10.8177	0.0010

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2552	0.0694	-3.3912	-3.1192	2200.38	<.0001
A	1	0.0789	0.0735	-0.0651	0.2229	1.15	0.2828
M_bin	1	0.0964	0.0727	-0.0460	0.2389	1.76	0.1846
C	1	0.1181	0.0359	0.0477	0.1885	10.82	0.0010
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	5.9268	0.0149

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004816	-0.002567	-0.002393	-0.001266	0
A	-0.002567	0.005400	0.000065447	0.000232	0
M_bin	-0.002393	0.000065447	0.005281	-0.000206	0
C	-0.001266	0.000232	-0.000206	0.001289	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1450.93591

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2901.872
AIC (smaller is better)	2909.872
AICC (smaller is better)	2909.912
BIC (smaller is better)	2929.503

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3093.69
Exponential AIC (smaller is better)	-3085.69
Exponential AICC (smaller is better)	-3085.65
Exponential BIC (smaller is better)	-3066.06

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.3447	0.0118
M_bin	1	0.8090	0.3684
C	1	8.4805	0.0036

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2476	0.0659	-3.3767	-3.1185	2430.11	<.0001
A	1	0.1850	0.0735	0.0411	0.3290	6.34	0.0118
M_bin	1	0.0661	0.0735	-0.0779	0.2101	0.81	0.3684
C	1	0.1040	0.0357	0.0340	0.1740	8.48	0.0036
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	13.6162	0.0002

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004340	-0.002284	-0.002148	-0.001063	0
A	-0.002284	0.005396	-0.000237	0.000093208	0
M_bin	-0.002148	-0.000237	0.005398	-0.000381	0
C	-0.001063	0.000093208	-0.000381	0.001275	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1481.642121

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2963.284
AIC (smaller is better)	2971.284
AICC (smaller is better)	2971.324
BIC (smaller is better)	2990.915

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3066.51
Exponential AIC (smaller is better)	-3058.51
Exponential AICC (smaller is better)	-3058.47
Exponential BIC (smaller is better)	-3038.88

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0104	0.9186
M_bin	1	12.6007	0.0004
C	1	7.2157	0.0072

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2449	0.0654	-3.3731	-3.1168	2463.54	<.0001
A	1	-0.0075	0.0738	-0.1522	0.1371	0.01	0.9186
M_bin	1	0.2640	0.0744	0.1182	0.4097	12.60	0.0004
C	1	0.0967	0.0360	0.0262	0.1673	7.22	0.0072
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.9122	0.0267

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004274	-0.002252	-0.002034	-0.001048	0
A	-0.002252	0.005447	-0.000238	0.000095718	0
M_bin	-0.002034	-0.000238	0.005530	-0.000550	0
C	-0.001048	0.000095718	-0.000550	0.001297	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1472.075035

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2944.150
AIC (smaller is better)	2952.150
AICC (smaller is better)	2952.190
BIC (smaller is better)	2971.781

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3070.31
Exponential AIC (smaller is better)	-3062.31
Exponential AICC (smaller is better)	-3062.27
Exponential BIC (smaller is better)	-3042.67

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.9854	0.0144
M_bin	1	0.2450	0.6206
C	1	20.0738	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2803	0.0664	-3.4104	-3.1503	2442.72	<.0001
A	1	0.1812	0.0741	0.0360	0.3263	5.99	0.0144
M_bin	1	0.0367	0.0742	-0.1086	0.1820	0.25	0.6206
C	1	0.1708	0.0381	0.0961	0.2456	20.07	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	7.3165	0.0068

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004405	-0.002176	-0.002253	-0.001104	0
A	-0.002176	0.005484	-0.000219	0.000062469	0
M_bin	-0.002253	-0.000219	0.005499	-0.000541	0
C	-0.001104	0.000062469	-0.000541	0.001454	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1458.729362

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2917.459
AIC (smaller is better)	2925.459
AICC (smaller is better)	2925.499
BIC (smaller is better)	2945.090

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3162.60
Exponential AIC (smaller is better)	-3154.60
Exponential AICC (smaller is better)	-3154.56
Exponential BIC (smaller is better)	-3134.96

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4379	0.5081
M_bin	1	5.0662	0.0244
C	1	2.9392	0.0865

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2113	0.0637	-3.3360	-3.0865	2544.54	<.0001
A	1	0.0486	0.0735	-0.0954	0.1926	0.44	0.5081
M_bin	1	0.1677	0.0745	0.0217	0.3138	5.07	0.0244
C	1	0.0624	0.0364	-0.0089	0.1336	2.94	0.0865
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	13.9684	0.0002

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004053	-0.002228	-0.001830	-0.001034	0
A	-0.002228	0.005399	-0.000284	0.000157	0
M_bin	-0.001830	-0.000284	0.005553	-0.000653	0
C	-0.001034	0.000157	-0.000653	0.001323	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1472.106916

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2944.214
AIC (smaller is better)	2952.214
AICC (smaller is better)	2952.254
BIC (smaller is better)	2971.845

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3084.73
Exponential AIC (smaller is better)	-3076.73
Exponential AICC (smaller is better)	-3076.69
Exponential BIC (smaller is better)	-3057.10

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.2271	0.2680
M_bin	1	3.8266	0.0504
C	1	15.7255	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2741	0.0650	-3.4014	-3.1467	2539.17	<.0001
A	1	0.0817	0.0738	-0.0629	0.2264	1.23	0.2680
M_bin	1	0.1438	0.0735	-0.0003	0.2879	3.83	0.0504
C	1	0.1413	0.0356	0.0715	0.2112	15.73	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	6.5860	0.0103

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004222	-0.002102	-0.002203	-0.000994	0
A	-0.002102	0.005444	-0.000198	-0.000066871	0
M_bin	-0.002203	-0.000198	0.005404	-0.000385	0
C	-0.000994	-0.000066871	-0.000385	0.001270	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1434.257184

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2868.514
AIC (smaller is better)	2876.514
AICC (smaller is better)	2876.555
BIC (smaller is better)	2896.145

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3093.72
Exponential AIC (smaller is better)	-3085.72
Exponential AICC (smaller is better)	-3085.68
Exponential BIC (smaller is better)	-3066.08

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.2472	0.0393
M_bin	1	11.0746	0.0009
C	1	9.1113	0.0025

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3279	0.0667	-3.4587	-3.1972	2489.88	<.0001
A	1	0.1519	0.0737	0.0074	0.2964	4.25	0.0393
M_bin	1	0.2467	0.0741	0.1014	0.3920	11.07	0.0009
C	1	0.1056	0.0350	0.0370	0.1742	9.11	0.0025
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	20.0331	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004448	-0.002461	-0.002068	-0.001080	0
A	-0.002461	0.005435	-0.000144	0.000223	0
M_bin	-0.002068	-0.000144	0.005495	-0.000517	0
C	-0.001080	0.000223	-0.000517	0.001225	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	734
Right Censored Values	266
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-1460.034681

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2920.069
AIC (smaller is better)	2928.069
AICC (smaller is better)	2928.110
BIC (smaller is better)	2947.700

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2934.56
Exponential AIC (smaller is better)	-2926.56
Exponential AICC (smaller is better)	-2926.52
Exponential BIC (smaller is better)	-2906.92

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	2.0402	0.1532
M_bin	1	1.1924	0.2748
C	1	26.1894	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2599	0.0665	-3.3903	-3.1294	2399.69	<.0001
A	1	0.1065	0.0746	-0.0396	0.2527	2.04	0.1532
M_bin	1	0.0821	0.0752	-0.0653	0.2294	1.19	0.2748
C	1	0.1946	0.0380	0.1201	0.2691	26.19	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.6791	0.0305

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004428	-0.002443	-0.002081	-0.001139	0
A	-0.002443	0.005561	-0.000235	0.000141	0
M_bin	-0.002081	-0.000235	0.005652	-0.000497	0
C	-0.001139	0.000141	-0.000497	0.001446	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1480.670163

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2961.340
AIC (smaller is better)	2969.340
AICC (smaller is better)	2969.381
BIC (smaller is better)	2988.971

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3072.65
Exponential AIC (smaller is better)	-3064.65
Exponential AICC (smaller is better)	-3064.61
Exponential BIC (smaller is better)	-3045.02

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.1627	0.0753
M_bin	1	1.3653	0.2426
C	1	10.7377	0.0010

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2414	0.0655	-3.3698	-3.1130	2449.60	<.0001
A	1	0.1316	0.0740	-0.0134	0.2766	3.16	0.0753
M_bin	1	0.0862	0.0737	-0.0584	0.2307	1.37	0.2426
C	1	0.1196	0.0365	0.0481	0.1912	10.74	0.0010
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	4.5852	0.0322

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004289	-0.002194	-0.002047	-0.001136	0
A	-0.002194	0.005475	-0.000448	0.000118	0
M_bin	-0.002047	-0.000448	0.005437	-0.000367	0
C	-0.001136	0.000118	-0.000367	0.001333	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1490.123078

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2980.246
AIC (smaller is better)	2988.246
AICC (smaller is better)	2988.286
BIC (smaller is better)	3007.877

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3152.54
Exponential AIC (smaller is better)	-3144.54
Exponential AICC (smaller is better)	-3144.50
Exponential BIC (smaller is better)	-3124.91

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.9486	0.1627
M_bin	1	0.0126	0.9106
C	1	16.3215	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2361	0.0640	-3.3615	-3.1108	2559.71	<.0001
A	1	0.1039	0.0744	-0.0420	0.2498	1.95	0.1627
M_bin	1	-0.0083	0.0739	-0.1531	0.1366	0.01	0.9106
C	1	0.1428	0.0354	0.0735	0.2121	16.32	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	3.8195	0.0507

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004091	-0.001982	-0.002147	-0.000956	0
A	-0.001982	0.005539	-0.000271	-0.000010381	0
M_bin	-0.002147	-0.000271	0.005462	-0.000523	0
C	-0.000956	-0.000010381	-0.000523	0.001250	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1470.286453

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2940.573
AIC (smaller is better)	2948.573
AICC (smaller is better)	2948.613
BIC (smaller is better)	2968.204

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3079.79
Exponential AIC (smaller is better)	-3071.79
Exponential AICC (smaller is better)	-3071.75
Exponential BIC (smaller is better)	-3052.16

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.5156	0.0608
M_bin	1	0.0140	0.9057
C	1	20.4052	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2625	0.0667	-3.3933	-3.1317	2389.13	<.0001
A	1	0.1388	0.0740	-0.0063	0.2839	3.52	0.0608
M_bin	1	0.0087	0.0733	-0.1350	0.1524	0.01	0.9057
C	1	0.1662	0.0368	0.0941	0.2384	20.41	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	6.9056	0.0086

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004455	-0.002097	-0.002138	-0.001242	0
A	-0.002097	0.005481	-0.000394	0.000025944	0
M_bin	-0.002138	-0.000394	0.005375	-0.000269	0
C	-0.001242	0.000025944	-0.000269	0.001354	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1498.314396

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2996.629
AIC (smaller is better)	3004.629
AICC (smaller is better)	3004.669
BIC (smaller is better)	3024.260

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3014.21
Exponential AIC (smaller is better)	-3006.21
Exponential AICC (smaller is better)	-3006.17
Exponential BIC (smaller is better)	-2986.58

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.2573	0.1330
M_bin	1	0.0444	0.8331
C	1	16.0136	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2060	0.0667	-3.3368	-3.0752	2308.59	<.0001
A	1	0.1115	0.0742	-0.0339	0.2569	2.26	0.1330
M_bin	1	0.0156	0.0739	-0.1292	0.1603	0.04	0.8331
C	1	0.1396	0.0349	0.0712	0.2080	16.01	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.9725	0.3241

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004452	-0.002238	-0.002441	-0.000975	0
A	-0.002238	0.005504	-0.000153	0.000000491	0
M_bin	-0.002441	-0.000153	0.005457	-0.000323	0
C	-0.000975	0.000000491	-0.000323	0.001218	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1493.695351

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2987.391
AIC (smaller is better)	2995.391
AICC (smaller is better)	2995.431
BIC (smaller is better)	3015.022

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2924.60
Exponential AIC (smaller is better)	-2916.60
Exponential AICC (smaller is better)	-2916.56
Exponential BIC (smaller is better)	-2896.97

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7610	0.3830
M_bin	1	1.0321	0.3097
C	1	32.8385	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2672	0.0668	-3.3982	-3.1362	2388.68	<.0001
A	1	0.0655	0.0750	-0.0816	0.2125	0.76	0.3830
M_bin	1	0.0760	0.0748	-0.0706	0.2226	1.03	0.3097
C	1	0.2060	0.0360	0.1356	0.2765	32.84	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	0.1340	0.7144

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004469	-0.002256	-0.002201	-0.001125	0
A	-0.002256	0.005629	-0.000463	0.000046490	0
M_bin	-0.002201	-0.000463	0.005594	-0.000274	0
C	-0.001125	0.000046490	-0.000274	0.001292	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Log(Ycen_noint)
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	4
Name of Distribution	Exponential
Log Likelihood	-1482.292881

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2964.586
AIC (smaller is better)	2972.586
AICC (smaller is better)	2972.626
BIC (smaller is better)	2992.217

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3018.03
Exponential AIC (smaller is better)	-3010.03
Exponential AICC (smaller is better)	-3009.99
Exponential BIC (smaller is better)	-2990.40

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.5232	0.0334
M_bin	1	4.9331	0.0263
C	1	10.5905	0.0011

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3034	0.0687	-3.4379	-3.1688	2314.01	<.0001
A	1	0.1579	0.0743	0.0124	0.3035	4.52	0.0334
M_bin	1	0.1671	0.0752	0.0196	0.3146	4.93	0.0263
C	1	0.1235	0.0380	0.0491	0.1979	10.59	0.0011
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	1.6805	0.1949

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004716	-0.002669	-0.002328	-0.001135	0
A	-0.002669	0.005514	0.000361	0.000081675	0
M_bin	-0.002328	0.000361	0.005660	-0.000569	0
C	-0.001135	0.000081675	-0.000569	0.001441	0
Scale	0	0	0	0	0

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	100000
Noncensored Values	75151
Right Censored Values	24849
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Exponential
Log Likelihood	-147564.7433

Number of Observations Read	100000
Number of Observations Used	100000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	295129.5
AIC (smaller is better)	295137.5
AICC (smaller is better)	295137.5
BIC (smaller is better)	295175.5

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-304334
Exponential AIC (smaller is better)	-304326
Exponential AICC (smaller is better)	-304326
Exponential BIC (smaller is better)	-304288

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	204.5662	<.0001
M_bin	1	121.5193	<.0001
C	1	1240.6054	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2323	0.0066	-3.2453	-3.2193	238413	<.0001
A	1	0.1061	0.0074	0.0916	0.1207	204.57	<.0001
M_bin	1	0.0814	0.0074	0.0670	0.0959	121.52	<.0001
C	1	0.1280	0.0036	0.1209	0.1351	1240.61	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		
Weibull Shape	0	1.0000	0.0000	1.0000	1.0000		

Lagrange Multiplier Statistics		
Parameter	Chi-Square	Pr > ChiSq
Scale	483.2278	<.0001

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.000043822	-0.000022043	-0.000021755	-0.000011101	0
A	-0.000022043	0.000055052	-0.000002886	0.000000735	0
M_bin	-0.000021755	-0.000002886	0.000054577	-0.000003989	0
C	-0.000011101	0.000000735	-0.000003989	0.000013206	0
Scale	0	0	0	0	0

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	50663
2	0	49337

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	138613.85	136152.47
SC	138623.37	136181.01
-2 Log L	138611.85	136146.47

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2465.3852	2	<.0001	
Score	2437.6094	2	<.0001	
Wald	2383.2263	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3683	0.0108	1171.3459	<.0001
A	1	0.2120	0.0130	267.5162	<.0001
C	1	0.2963	0.00640	2143.2942	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.236	1.205	1.268
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	2499560431	c	0.593

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.11417	0.076260	0.98474	1.24006
2	marginal pnde	1.11417	0.076260	0.98474	1.24006
3	marginal pnie	1.00389	0.005132	0.99144	1.01457
4	marginal tnde	1.11417	0.076260	0.98474	1.24006
5	marginal tnie	1.00389	0.005132	0.99144	1.01457
6	marginal total effect	1.11841	0.075330	0.98996	1.24952
7	conditional cde	1.11417	0.076260	0.98474	1.24006
8	conditional pnde	1.11417	0.076260	0.98474	1.24006
9	conditional pnie	1.00390	0.005134	0.99144	1.01458
10	conditional tnde	1.11417	0.076260	0.98474	1.24006
11	conditional tnie	1.00390	0.005134	0.99144	1.01458
12	conditional total effect	1.11841	0.075330	0.98996	1.24953

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1477.390732

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2954.781
AIC (smaller is better)	2964.781
AICC (smaller is better)	2964.842
BIC (smaller is better)	2989.320

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3035.82
Weibull AIC (smaller is better)	-3025.82
Weibull AICC (smaller is better)	-3025.76
Weibull BIC (smaller is better)	-3001.28

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.3610	0.1244
M_bin	1	0.8349	0.3609
C	1	12.4915	0.0004

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2166	0.0625	-3.3391	-3.0941	2647.95	<.0001
A	1	0.1073	0.0698	-0.0296	0.2441	2.36	0.1244
M_bin	1	0.0635	0.0695	-0.0727	0.1998	0.83	0.3609
C	1	0.1209	0.0342	0.0539	0.1880	12.49	0.0004
Scale	1	0.9401	0.0300	0.8831	1.0008		
Weibull Shape	1	1.0637	0.0340	0.9992	1.1324		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003907	-0.001972	-0.001940	-0.000990	-0.000080713
A	-0.001972	0.004875	-0.000253	0.000080394	0.000056107
M_bin	-0.001940	-0.000253	0.004835	-0.000351	0.000039277
C	-0.000990	0.000080394	-0.000351	0.001171	0.000068869
Scale	-0.000080713	0.000056107	0.000039277	0.000068869	0.000901

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	1.11325	0.12440	0.97087	1.27651
2	marginal pnde	1.11325	0.12440	0.97087	1.27651
3	marginal pnie	1.00326	0.42803	0.99522	1.01136
4	marginal tnde	1.11325	0.12440	0.97087	1.27651
5	marginal tnie	1.00326	0.42790	0.99522	1.01135
6	marginal total effect	1.11688	0.11306	0.97415	1.28051
7	conditional cde	1.11325	0.12440	0.97087	1.27651
8	conditional pnde	1.11325	0.12440	0.97087	1.27651
9	conditional pnie	1.00326	0.42807	0.99522	1.01136
10	conditional tnde	1.11325	0.12440	0.97087	1.27651
11	conditional tnie	1.00326	0.42795	0.99522	1.01136
12	conditional total effect	1.11688	0.11305	0.97416	1.28051

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1467.182501

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2934.365
AIC (smaller is better)	2944.365
AICC (smaller is better)	2944.425
BIC (smaller is better)	2968.904

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2942.22
Weibull AIC (smaller is better)	-2932.22
Weibull AICC (smaller is better)	-2932.16
Weibull BIC (smaller is better)	-2907.68

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.5189	0.0188
M_bin	1	3.7109	0.0541
C	1	7.4925	0.0062

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2193	0.0617	-3.3402	-3.0983	2721.66	<.0001
A	1	0.1659	0.0706	0.0275	0.3043	5.52	0.0188
M_bin	1	0.1362	0.0707	-0.0024	0.2747	3.71	0.0541
C	1	0.0970	0.0354	0.0276	0.1665	7.49	0.0062
Scale	1	0.9424	0.0304	0.8848	1.0039		
Weibull Shape	1	1.0611	0.0342	0.9962	1.1302		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003808	-0.001935	-0.001883	-0.000976	-0.000096297
A	-0.001935	0.004987	-0.000039787	-0.000106	0.000104
M_bin	-0.001883	-0.000039787	0.004995	-0.000412	0.000098780
C	-0.000976	-0.000106	-0.000412	0.001257	0.000053314
Scale	-0.000096297	0.000104	0.000098780	0.000053314	0.000922

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	734
Right Censored Values	266
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1456.030204

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2912.060
AIC (smaller is better)	2922.060
AICC (smaller is better)	2922.121
BIC (smaller is better)	2946.599

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2942.04
Weibull AIC (smaller is better)	-2932.04
Weibull AICC (smaller is better)	-2931.98
Weibull BIC (smaller is better)	-2907.51

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.0314	0.1541
M_bin	1	1.8668	0.1718
C	1	32.5446	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2830	0.0628	-3.4060	-3.1599	2734.13	<.0001
A	1	0.0997	0.0699	-0.0374	0.2367	2.03	0.1541
M_bin	1	0.0955	0.0699	-0.0415	0.2325	1.87	0.1718
C	1	0.1915	0.0336	0.1257	0.2572	32.54	<.0001
Scale	1	0.9329	0.0301	0.8757	0.9939		
Weibull Shape	1	1.0719	0.0346	1.0061	1.1420		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003942	-0.002071	-0.002074	-0.000902	-0.000098511
A	-0.002071	0.004891	0.000204	-0.000064972	0.000041352
M_bin	-0.002074	0.000204	0.004888	-0.000376	0.000046387
C	-0.000902	-0.000064972	-0.000376	0.001126	0.000108
Scale	-0.000098511	0.000041352	0.000046387	0.000108	0.000909

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1473.628667

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2947.257
AIC (smaller is better)	2957.257
AICC (smaller is better)	2957.318
BIC (smaller is better)	2981.796

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3050.17
Weibull AIC (smaller is better)	-3040.17
Weibull AICC (smaller is better)	-3040.11
Weibull BIC (smaller is better)	-3015.64

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.4233	0.0355
M_bin	1	0.0212	0.8843
C	1	14.9810	0.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2290	0.0639	-3.3543	-3.1038	2553.69	<.0001
A	1	0.1457	0.0693	0.0099	0.2815	4.42	0.0355
M_bin	1	0.0102	0.0698	-0.1266	0.1469	0.02	0.8843
C	1	0.1299	0.0336	0.0641	0.1956	14.98	0.0001
Scale	1	0.9391	0.0299	0.8824	0.9995		
Weibull Shape	1	1.0648	0.0339	1.0005	1.1333		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004083	-0.002194	-0.002016	-0.000947	-0.000080884
A	-0.002194	0.004801	-0.000094029	0.000147	0.000061846
M_bin	-0.002016	-0.000094029	0.004867	-0.000424	0.000009456
C	-0.000947	0.000147	-0.000424	0.001126	0.000075393
Scale	-0.000080884	0.000061846	0.000009456	0.000075393	0.000892

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1474.876936

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2949.754
AIC (smaller is better)	2959.754
AICC (smaller is better)	2959.814
BIC (smaller is better)	2984.293

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3015.98
Weibull AIC (smaller is better)	-3005.98
Weibull AICC (smaller is better)	-3005.91
Weibull BIC (smaller is better)	-2981.44

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7136	0.3983
M_bin	1	1.8384	0.1751
C	1	25.6452	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2515	0.0608	-3.3706	-3.1324	2862.38	<.0001
A	1	0.0598	0.0708	-0.0790	0.1986	0.71	0.3983
M_bin	1	0.0956	0.0705	-0.0426	0.2338	1.84	0.1751
C	1	0.1665	0.0329	0.1020	0.2309	25.65	<.0001
Scale	1	0.9487	0.0304	0.8911	1.0101		
Weibull Shape	1	1.0541	0.0337	0.9900	1.1223		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003693	-0.001787	-0.001983	-0.000808	-0.000100
A	-0.001787	0.005012	-0.000575	-0.000114	0.000023699
M_bin	-0.001983	-0.000575	0.004974	-0.000241	0.000056192
C	-0.000808	-0.000114	-0.000241	0.001081	0.000104
Scale	-0.000100	0.000023699	0.000056192	0.000104	0.000921

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1461.077176

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2922.154
AIC (smaller is better)	2932.154
AICC (smaller is better)	2932.215
BIC (smaller is better)	2956.693

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3041.18
Weibull AIC (smaller is better)	-3031.18
Weibull AICC (smaller is better)	-3031.12
Weibull BIC (smaller is better)	-3006.64

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.6002	0.0320
M_bin	1	2.8167	0.0933
C	1	19.4588	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2991	0.0639	-3.4243	-3.1739	2667.41	<.0001
A	1	0.1478	0.0689	0.0127	0.2828	4.60	0.0320
M_bin	1	0.1149	0.0684	-0.0193	0.2490	2.82	0.0933
C	1	0.1481	0.0336	0.0823	0.2138	19.46	<.0001
Scale	1	0.9265	0.0294	0.8706	0.9861		
Weibull Shape	1	1.0793	0.0343	1.0141	1.1487		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004080	-0.002034	-0.001963	-0.001067	-0.000118
A	-0.002034	0.004747	-0.000358	0.000197	0.000073951
M_bin	-0.001963	-0.000358	0.004684	-0.000278	0.000061140
C	-0.001067	0.000197	-0.000278	0.001126	0.000078305
Scale	-0.000118	0.000073951	0.000061140	0.000078305	0.000867

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1513.683372

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3027.367
AIC (smaller is better)	3037.367
AICC (smaller is better)	3037.427
BIC (smaller is better)	3061.906

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2942.47
Weibull AIC (smaller is better)	-2932.47
Weibull AICC (smaller is better)	-2932.41
Weibull BIC (smaller is better)	-2907.93

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.6588	0.4170
M_bin	1	5.6871	0.0171
C	1	10.5278	0.0012

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2150	0.0662	-3.3447	-3.0852	2358.40	<.0001
A	1	0.0602	0.0742	-0.0852	0.2056	0.66	0.4170
M_bin	1	0.1782	0.0747	0.0317	0.3246	5.69	0.0171
C	1	0.1167	0.0360	0.0462	0.1873	10.53	0.0012
Scale	1	1.0012	0.0324	0.9397	1.0668		
Weibull Shape	1	0.9988	0.0323	0.9374	1.0642		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004383	-0.002317	-0.002159	-0.001021	-0.000085402
A	-0.002317	0.005504	-0.000411	-0.000046684	0.000015889
M_bin	-0.002159	-0.000411	0.005581	-0.000296	0.000133
C	-0.001021	-0.000046684	-0.000296	0.001294	0.000077400
Scale	-0.000085402	0.000015889	0.000133	0.000077400	0.001051

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1472.685403

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2945.371
AIC (smaller is better)	2955.371
AICC (smaller is better)	2955.431
BIC (smaller is better)	2979.910

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3079.57
Weibull AIC (smaller is better)	-3069.57
Weibull AICC (smaller is better)	-3069.51
Weibull BIC (smaller is better)	-3045.03

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.6959	0.4042
M_bin	1	5.7807	0.0162
C	1	8.1157	0.0044

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2196	0.0591	-3.3353	-3.1038	2972.36	<.0001
A	1	0.0580	0.0696	-0.0783	0.1943	0.70	0.4042
M_bin	1	0.1658	0.0689	0.0306	0.3009	5.78	0.0162
C	1	0.0924	0.0324	0.0288	0.1560	8.12	0.0044
Scale	1	0.9324	0.0296	0.8762	0.9921		
Weibull Shape	1	1.0725	0.0340	1.0079	1.1413		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003487	-0.001824	-0.001805	-0.000837	-0.000090309
A	-0.001824	0.004838	-0.000196	0.000032912	0.000026690
M_bin	-0.001805	-0.000196	0.004753	-0.000355	0.000082309
C	-0.000837	0.000032912	-0.000355	0.001053	0.000058478
Scale	-0.000090309	0.000026690	0.000082309	0.000058478	0.000874

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1448.173404

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2896.347
AIC (smaller is better)	2906.347
AICC (smaller is better)	2906.407
BIC (smaller is better)	2930.886

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3105.16
Weibull AIC (smaller is better)	-3095.16
Weibull AICC (smaller is better)	-3095.10
Weibull BIC (smaller is better)	-3070.62

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.5480	0.0596
M_bin	1	0.0176	0.8946
C	1	15.0939	0.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2038	0.0572	-3.3159	-3.0918	3139.67	<.0001
A	1	0.1253	0.0665	-0.0051	0.2556	3.55	0.0596
M_bin	1	0.0088	0.0668	-0.1220	0.1397	0.02	0.8946
C	1	0.1232	0.0317	0.0610	0.1853	15.09	0.0001
Scale	1	0.8977	0.0284	0.8437	0.9552		
Weibull Shape	1	1.1139	0.0353	1.0469	1.1852		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003269	-0.001747	-0.001651	-0.000742	-0.000082183
A	-0.001747	0.004422	-0.000502	0.000155	0.000057778
M_bin	-0.001651	-0.000502	0.004456	-0.000409	0.000023738
C	-0.000742	0.000155	-0.000409	0.001005	0.000064781
Scale	-0.000082183	0.000057778	0.000023738	0.000064781	0.000808

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1497.292011

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2994.584
AIC (smaller is better)	3004.584
AICC (smaller is better)	3004.644
BIC (smaller is better)	3029.123

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3084.29
Weibull AIC (smaller is better)	-3074.29
Weibull AICC (smaller is better)	-3074.23
Weibull BIC (smaller is better)	-3049.75

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	7.6267	0.0058
M_bin	1	0.0303	0.8619
C	1	12.9485	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2560	0.0645	-3.3825	-3.1295	2546.53	<.0001
A	1	0.1955	0.0708	0.0568	0.3342	7.63	0.0058
M_bin	1	0.0124	0.0712	-0.1272	0.1520	0.03	0.8619
C	1	0.1258	0.0350	0.0573	0.1943	12.95	0.0003
Scale	1	0.9638	0.0306	0.9057	1.0256		
Weibull Shape	1	1.0375	0.0329	0.9750	1.1041		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004163	-0.002252	-0.002008	-0.001011	-0.000111
A	-0.002252	0.005011	-0.000076777	0.000084589	0.000120
M_bin	-0.002008	-0.000076777	0.005074	-0.000420	0.000007729
C	-0.001011	0.000084589	-0.000420	0.001222	0.000075466
Scale	-0.000111	0.000120	0.000007729	0.000075466	0.000935

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1482.097257

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2964.195
AIC (smaller is better)	2974.195
AICC (smaller is better)	2974.255
BIC (smaller is better)	2998.733

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3156.62
Weibull AIC (smaller is better)	-3146.62
Weibull AICC (smaller is better)	-3146.56
Weibull BIC (smaller is better)	-3122.08

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.7432	0.0166
M_bin	1	0.7054	0.4010
C	1	3.4299	0.0640

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1669	0.0608	-3.2861	-3.0477	2711.83	<.0001
A	1	0.1665	0.0695	0.0303	0.3027	5.74	0.0166
M_bin	1	-0.0577	0.0687	-0.1922	0.0769	0.71	0.4010
C	1	0.0635	0.0343	-0.0037	0.1306	3.43	0.0640
Scale	1	0.9381	0.0295	0.8821	0.9976		
Weibull Shape	1	1.0660	0.0335	1.0024	1.1337		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003698	-0.001775	-0.001892	-0.000958	-0.000040392
A	-0.001775	0.004829	-0.000202	-0.000060098	0.000090912
M_bin	-0.001892	-0.000202	0.004713	-0.000312	-0.000051186
C	-0.000958	-0.000060098	-0.000312	0.001175	0.000035564
Scale	-0.000040392	0.000090912	-0.000051186	0.000035564	0.000868

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1454.362614

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2908.725
AIC (smaller is better)	2918.725
AICC (smaller is better)	2918.786
BIC (smaller is better)	2943.264

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2937.92
Weibull AIC (smaller is better)	-2927.92
Weibull AICC (smaller is better)	-2927.86
Weibull BIC (smaller is better)	-2903.38

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1446	0.7037
M_bin	1	0.0131	0.9089
C	1	6.7706	0.0093

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.0812	0.0625	-3.2038	-2.9586	2427.73	<.0001
A	1	0.0258	0.0679	-0.1072	0.1588	0.14	0.7037
M_bin	1	0.0078	0.0680	-0.1254	0.1410	0.01	0.9089
C	1	0.0867	0.0333	0.0214	0.1519	6.77	0.0093
Scale	1	0.9121	0.0295	0.8562	0.9717		
Weibull Shape	1	1.0963	0.0354	1.0291	1.1680		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003911	-0.001902	-0.001873	-0.000990	-0.000011381
A	-0.001902	0.004605	-0.000500	0.000121	-0.000001302
M_bin	-0.001873	-0.000500	0.004620	-0.000300	0.000006089
C	-0.000990	0.000121	-0.000300	0.001109	0.000054712
Scale	-0.000011381	-0.000001302	0.000006089	0.000054712	0.000868

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1447.064131

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2894.128
AIC (smaller is better)	2904.128
AICC (smaller is better)	2904.189
BIC (smaller is better)	2928.667

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3031.35
Weibull AIC (smaller is better)	-3021.35
Weibull AICC (smaller is better)	-3021.29
Weibull BIC (smaller is better)	-2996.81

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1710	0.6792
M_bin	1	1.3543	0.2445
C	1	15.8530	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1906	0.0592	-3.3066	-3.0745	2903.70	<.0001
A	1	0.0279	0.0674	-0.1043	0.1601	0.17	0.6792
M_bin	1	0.0778	0.0669	-0.0533	0.2089	1.35	0.2445
C	1	0.1327	0.0333	0.0674	0.1980	15.85	<.0001
Scale	1	0.9025	0.0288	0.8478	0.9608		
Weibull Shape	1	1.1080	0.0354	1.0408	1.1796		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003506	-0.001808	-0.001818	-0.000879	-0.000073551
A	-0.001808	0.004548	0.000020899	0.000012172	0.000016282
M_bin	-0.001818	0.000020899	0.004474	-0.000370	0.000054456
C	-0.000879	0.000012172	-0.000370	0.001111	0.000068738
Scale	-0.000073551	0.000016282	0.000054456	0.000068738	0.000831

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	725
Right Censored Values	275
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1470.257237

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2940.514
AIC (smaller is better)	2950.514
AICC (smaller is better)	2950.575
BIC (smaller is better)	2975.053

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2879.57
Weibull AIC (smaller is better)	-2869.57
Weibull AICC (smaller is better)	-2869.51
Weibull BIC (smaller is better)	-2845.03

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.2939	0.1299
M_bin	1	1.7752	0.1827
C	1	8.9098	0.0028

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.0820	0.0669	-3.2130	-2.9509	2123.44	<.0001
A	1	0.1086	0.0717	-0.0320	0.2492	2.29	0.1299
M_bin	1	-0.0959	0.0720	-0.2370	0.0452	1.78	0.1827
C	1	0.1011	0.0339	0.0347	0.1675	8.91	0.0028
Scale	1	0.9587	0.0311	0.8997	1.0215		
Weibull Shape	1	1.0431	0.0338	0.9789	1.1115		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004473	-0.002176	-0.002435	-0.000957	0.000016803
A	-0.002176	0.005146	-0.000224	0.000009707	0.000066989
M_bin	-0.002435	-0.000224	0.005180	-0.000274	-0.000065481
C	-0.000957	0.000009707	-0.000274	0.001147	0.000058452
Scale	0.000016803	0.000066989	-0.000065481	0.000058452	0.000964

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1478.570567

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2957.141
AIC (smaller is better)	2967.141
AICC (smaller is better)	2967.201
BIC (smaller is better)	2991.680

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2965.20
Weibull AIC (smaller is better)	-2955.20
Weibull AICC (smaller is better)	-2955.14
Weibull BIC (smaller is better)	-2930.66

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	2.2561	0.1331
M_bin	1	5.4375	0.0197
C	1	16.3626	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2689	0.0654	-3.3971	-3.1408	2499.54	<.0001
A	1	0.1070	0.0712	-0.0326	0.2466	2.26	0.1331
M_bin	1	0.1647	0.0706	0.0263	0.3031	5.44	0.0197
C	1	0.1415	0.0350	0.0729	0.2101	16.36	<.0001
Scale	1	0.9539	0.0307	0.8956	1.0161		
Weibull Shape	1	1.0483	0.0338	0.9842	1.1166		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004275	-0.002080	-0.002190	-0.001102	-0.000123
A	-0.002080	0.005074	-0.000144	0.000059570	0.000044749
M_bin	-0.002190	-0.000144	0.004989	-0.000260	0.000109
C	-0.001102	0.000059570	-0.000260	0.001224	0.000090350
Scale	-0.000123	0.000044749	0.000109	0.000090350	0.000943

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1498.343114

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2996.686
AIC (smaller is better)	3006.686
AICC (smaller is better)	3006.747
BIC (smaller is better)	3031.225

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3020.21
Weibull AIC (smaller is better)	-3010.21
Weibull AICC (smaller is better)	-3010.15
Weibull BIC (smaller is better)	-2985.67

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.0365	0.1536
M_bin	1	0.0089	0.9248
C	1	8.3684	0.0038

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1690	0.0655	-3.2974	-3.0406	2341.14	<.0001
A	1	0.1029	0.0721	-0.0384	0.2443	2.04	0.1536
M_bin	1	0.0068	0.0718	-0.1340	0.1475	0.01	0.9248
C	1	0.1020	0.0353	0.0329	0.1712	8.37	0.0038
Scale	1	0.9714	0.0310	0.9124	1.0342		
Weibull Shape	1	1.0294	0.0329	0.9669	1.0960		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004290	-0.002260	-0.002111	-0.001106	-0.000046477
A	-0.002260	0.005203	0.000022538	0.000080044	0.000063012
M_bin	-0.002111	0.000022538	0.005157	-0.000326	0.000001378
C	-0.001106	0.000080044	-0.000326	0.001244	0.000053783
Scale	-0.000046477	0.000063012	0.000001378	0.000053783	0.000964

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA116
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1491.938827

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2983.878
AIC (smaller is better)	2993.878
AICC (smaller is better)	2993.938
BIC (smaller is better)	3018.416

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2855.32
Weibull AIC (smaller is better)	-2845.32
Weibull AICC (smaller is better)	-2845.26
Weibull BIC (smaller is better)	-2820.78

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.2498	0.0714
M_bin	1	0.0102	0.9197
C	1	6.2947	0.0121

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1004	0.0644	-3.2265	-2.9743	2321.36	<.0001
A	1	0.1361	0.0755	-0.0119	0.2841	3.25	0.0714
M_bin	1	-0.0075	0.0745	-0.1535	0.1385	0.01	0.9197
C	1	0.0843	0.0336	0.0184	0.1501	6.29	0.0121
Scale	1	0.9777	0.0319	0.9171	1.0423		
Weibull Shape	1	1.0228	0.0334	0.9594	1.0904		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004141	-0.001943	-0.002010	-0.001034	0.000009834
A	-0.001943	0.005700	-0.001092	0.000200	0.000065469
M_bin	-0.002010	-0.001092	0.005549	-0.000337	-0.000011833
C	-0.001034	0.000200	-0.000337	0.001128	0.000045890
Scale	0.000009834	0.000065469	-0.000011833	0.000045890	0.001019

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1461.118233

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2922.236
AIC (smaller is better)	2932.236
AICC (smaller is better)	2932.297
BIC (smaller is better)	2956.775

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3024.22
Weibull AIC (smaller is better)	-3014.22
Weibull AICC (smaller is better)	-3014.16
Weibull BIC (smaller is better)	-2989.68

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	0.9083	0.3406
M_bin	1	0.7626	0.3825
C	1	6.1171	0.0134

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1501	0.0618	-3.2712	-3.0290	2599.62	<.0001
A	1	0.0644	0.0676	-0.0681	0.1969	0.91	0.3406
M_bin	1	0.0591	0.0677	-0.0735	0.1917	0.76	0.3825
C	1	0.0798	0.0323	0.0166	0.1431	6.12	0.0134
Scale	1	0.9182	0.0293	0.8626	0.9775		
Weibull Shape	1	1.0890	0.0348	1.0230	1.1593		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003817	-0.001936	-0.001862	-0.000926	-0.000046858
A	-0.001936	0.004571	-0.000222	0.000037467	0.000042994
M_bin	-0.001862	-0.000222	0.004579	-0.000282	0.000004841
C	-0.000926	0.000037467	-0.000282	0.001041	0.000051722
Scale	-0.000046858	0.000042994	0.000004841	0.000051722	0.000859

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1505.563142

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3011.126
AIC (smaller is better)	3021.126
AICC (smaller is better)	3021.187
BIC (smaller is better)	3045.665

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3055.76
Weibull AIC (smaller is better)	-3045.76
Weibull AICC (smaller is better)	-3045.70
Weibull BIC (smaller is better)	-3021.22

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0711	0.7897
M_bin	1	0.2494	0.6175
C	1	9.2601	0.0023

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1567	0.0642	-3.2825	-3.0308	2415.31	<.0001
A	1	-0.0195	0.0732	-0.1629	0.1239	0.07	0.7897
M_bin	1	0.0366	0.0732	-0.1070	0.1801	0.25	0.6175
C	1	0.1135	0.0373	0.0404	0.1866	9.26	0.0023
Scale	1	0.9774	0.0311	0.9183	1.0404		
Weibull Shape	1	1.0231	0.0326	0.9612	1.0890		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004126	-0.001974	-0.001902	-0.001133	-0.000042259
A	-0.001974	0.005352	-0.000718	0.000126	-0.000021086
M_bin	-0.001902	-0.000718	0.005364	-0.000503	0.000030089
C	-0.001133	0.000126	-0.000503	0.001392	0.000068067
Scale	-0.000042259	-0.000021086	0.000030089	0.000068067	0.000969

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1448.945451

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2897.891
AIC (smaller is better)	2907.891
AICC (smaller is better)	2907.951
BIC (smaller is better)	2932.430

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2978.83
Weibull AIC (smaller is better)	-2968.83
Weibull AICC (smaller is better)	-2968.77
Weibull BIC (smaller is better)	-2944.29

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0002	0.9880
M_bin	1	0.6816	0.4090
C	1	9.2759	0.0023

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1334	0.0609	-3.2528	-3.0139	2643.30	<.0001
A	1	0.0010	0.0679	-0.1321	0.1342	0.00	0.9880
M_bin	1	0.0563	0.0682	-0.0774	0.1901	0.68	0.4090
C	1	0.1033	0.0339	0.0368	0.1697	9.28	0.0023
Scale	1	0.9119	0.0292	0.8564	0.9710		
Weibull Shape	1	1.0966	0.0351	1.0298	1.1676		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003714	-0.001958	-0.001733	-0.000953	-0.000016852
A	-0.001958	0.004617	-0.000344	0.000154	-0.000021167
M_bin	-0.001733	-0.000344	0.004657	-0.000416	0.000027719
C	-0.000953	0.000154	-0.000416	0.001149	0.000053315
Scale	-0.000016852	-0.000021167	0.000027719	0.000053315	0.000854

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1475.75306

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2951.506
AIC (smaller is better)	2961.506
AICC (smaller is better)	2961.566
BIC (smaller is better)	2986.045

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3033.71
Weibull AIC (smaller is better)	-3023.71
Weibull AICC (smaller is better)	-3023.65
Weibull BIC (smaller is better)	-2999.17

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.7459	0.0975
M_bin	1	0.0465	0.8293
C	1	17.7801	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1948	0.0641	-3.3206	-3.0691	2481.24	<.0001
A	1	0.1154	0.0696	-0.0211	0.2519	2.75	0.0975
M_bin	1	-0.0149	0.0689	-0.1498	0.1201	0.05	0.8293
C	1	0.1409	0.0334	0.0754	0.2063	17.78	<.0001
Scale	1	0.9381	0.0300	0.8812	0.9988		
Weibull Shape	1	1.0659	0.0341	1.0012	1.1349		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004114	-0.002073	-0.002223	-0.000985	-0.000063992
A	-0.002073	0.004849	-0.000110	0.000122	0.000065096
M_bin	-0.002223	-0.000110	0.004743	-0.000212	-0.000017883
C	-0.000985	0.000122	-0.000212	0.001116	0.000079474
Scale	-0.000063992	0.000065096	-0.000017883	0.000079474	0.000899

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1491.167179

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2982.334
AIC (smaller is better)	2992.334
AICC (smaller is better)	2992.395
BIC (smaller is better)	3016.873

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3200.85
Weibull AIC (smaller is better)	-3190.85
Weibull AICC (smaller is better)	-3190.79
Weibull BIC (smaller is better)	-3166.32

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1042	0.2933
M_bin	1	0.4685	0.4937
C	1	19.3309	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2754	0.0621	-3.3971	-3.1538	2785.83	<.0001
A	1	0.0725	0.0690	-0.0627	0.2076	1.10	0.2933
M_bin	1	0.0471	0.0688	-0.0877	0.1819	0.47	0.4937
C	1	0.1490	0.0339	0.0826	0.2154	19.33	<.0001
Scale	1	0.9394	0.0295	0.8833	0.9990		
Weibull Shape	1	1.0645	0.0334	1.0010	1.1321		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003851	-0.001915	-0.001934	-0.000957	-0.000107
A	-0.001915	0.004755	-0.000245	0.000090955	0.000035197
M_bin	-0.001934	-0.000245	0.004732	-0.000391	0.000026550
C	-0.000957	0.000090955	-0.000391	0.001148	0.000080565
Scale	-0.000107	0.000035197	0.000026550	0.000080565	0.000870

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1434.100659

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2868.201
AIC (smaller is better)	2878.201
AICC (smaller is better)	2878.262
BIC (smaller is better)	2902.740

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2994.01
Weibull AIC (smaller is better)	-2984.01
Weibull AICC (smaller is better)	-2983.95
Weibull BIC (smaller is better)	-2959.47

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0014	0.9700
M_bin	1	7.0571	0.0079
C	1	6.7876	0.0092

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1706	0.0585	-3.2853	-3.0559	2935.10	<.0001
A	1	-0.0025	0.0663	-0.1325	0.1275	0.00	0.9700
M_bin	1	0.1771	0.0667	0.0464	0.3077	7.06	0.0079
C	1	0.0859	0.0330	0.0213	0.1506	6.79	0.0092
Scale	1	0.8894	0.0284	0.8354	0.9468		
Weibull Shape	1	1.1244	0.0359	1.0561	1.1970		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003425	-0.001748	-0.001614	-0.000885	-0.000059690
A	-0.001748	0.004398	-0.000302	0.000089975	0.000002174
M_bin	-0.001614	-0.000302	0.004442	-0.000434	0.000092788
C	-0.000885	0.000089975	-0.000434	0.001088	0.000044600
Scale	-0.000059690	0.000002174	0.000092788	0.000044600	0.000807

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	732
Right Censored Values	268
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1475.615677

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2951.231
AIC (smaller is better)	2961.231
AICC (smaller is better)	2961.292
BIC (smaller is better)	2985.770

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2908.09
Weibull AIC (smaller is better)	-2898.09
Weibull AICC (smaller is better)	-2898.03
Weibull BIC (smaller is better)	-2873.55

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.2196	0.0728
M_bin	1	0.0460	0.8302
C	1	28.3102	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2133	0.0646	-3.3398	-3.0867	2476.23	<.0001
A	1	0.1283	0.0715	-0.0118	0.2684	3.22	0.0728
M_bin	1	-0.0155	0.0724	-0.1575	0.1264	0.05	0.8302
C	1	0.1883	0.0354	0.1189	0.2576	28.31	<.0001
Scale	1	0.9560	0.0310	0.8971	1.0188		
Weibull Shape	1	1.0461	0.0339	0.9816	1.1147		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004170	-0.002166	-0.002114	-0.000940	-0.000075216
A	-0.002166	0.005111	-0.000266	0.000108	0.000060431
M_bin	-0.002114	-0.000266	0.005248	-0.000541	-0.000025094
C	-0.000940	0.000108	-0.000541	0.001252	0.000128
Scale	-0.000075216	0.000060431	-0.000025094	0.000128	0.000962

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1469.539723

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2939.079
AIC (smaller is better)	2949.079
AICC (smaller is better)	2949.140
BIC (smaller is better)	2973.618

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3011.79
Weibull AIC (smaller is better)	-3001.79
Weibull AICC (smaller is better)	-3001.73
Weibull BIC (smaller is better)	-2977.25

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0035	0.9527
M_bin	1	1.8414	0.1748
C	1	12.1738	0.0005

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1729	0.0638	-3.2980	-3.0478	2470.05	<.0001
A	1	-0.0041	0.0686	-0.1385	0.1304	0.00	0.9527
M_bin	1	0.0934	0.0688	-0.0415	0.2282	1.84	0.1748
C	1	0.1177	0.0337	0.0516	0.1838	12.17	0.0005
Scale	1	0.9306	0.0298	0.8740	0.9909		
Weibull Shape	1	1.0746	0.0344	1.0092	1.1441		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004076	-0.002069	-0.002146	-0.000932	-0.000035908
A	-0.002069	0.004704	-0.000032874	0.000023566	-0.000032761
M_bin	-0.002146	-0.000032874	0.004733	-0.000319	0.000039770
C	-0.000932	0.000023566	-0.000319	0.001138	0.000064673
Scale	-0.000035908	-0.000032761	0.000039770	0.000064673	0.000887

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1529.988755

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3059.978
AIC (smaller is better)	3069.978
AICC (smaller is better)	3070.038
BIC (smaller is better)	3094.516

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3114.11
Weibull AIC (smaller is better)	-3104.11
Weibull AICC (smaller is better)	-3104.05
Weibull BIC (smaller is better)	-3079.57

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7284	0.3934
M_bin	1	1.2428	0.2649
C	1	3.0173	0.0824

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1875	0.0676	-3.3199	-3.0551	2226.48	<.0001
A	1	0.0627	0.0735	-0.0813	0.2068	0.73	0.3934
M_bin	1	0.0822	0.0737	-0.0623	0.2267	1.24	0.2649
C	1	0.0627	0.0361	-0.0080	0.1333	3.02	0.0824
Scale	1	1.0000	0.0317	0.9398	1.0641		
Weibull Shape	1	1.0000	0.0317	0.9397	1.0641		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004563	-0.002220	-0.002060	-0.001206	-0.000075320
A	-0.002220	0.005405	-0.000498	0.000087335	0.000029419
M_bin	-0.002060	-0.000498	0.005437	-0.000380	0.000061234
C	-0.001206	0.000087335	-0.000380	0.001301	0.000048762
Scale	-0.000075320	0.000029419	0.000061234	0.000048762	0.001005

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1450.797576

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2901.595
AIC (smaller is better)	2911.595
AICC (smaller is better)	2911.656
BIC (smaller is better)	2936.134

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3061.36
Weibull AIC (smaller is better)	-3051.36
Weibull AICC (smaller is better)	-3051.30
Weibull BIC (smaller is better)	-3026.82

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.0462	0.1526
M_bin	1	1.6438	0.1998
C	1	25.3874	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2589	0.0588	-3.3742	-3.1436	3067.88	<.0001
A	1	0.0979	0.0685	-0.0363	0.2322	2.05	0.1526
M_bin	1	0.0862	0.0672	-0.0456	0.2179	1.64	0.1998
C	1	0.1645	0.0327	0.1005	0.2285	25.39	<.0001
Scale	1	0.9133	0.0291	0.8581	0.9721		
Weibull Shape	1	1.0949	0.0348	1.0287	1.1654		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003462	-0.001659	-0.001912	-0.000837	-0.000114
A	-0.001659	0.004688	-0.000361	0.000012431	0.000062856
M_bin	-0.001912	-0.000361	0.004516	-0.000239	0.000031801
C	-0.000837	0.000012431	-0.000239	0.001066	0.000098078
Scale	-0.000114	0.000062856	0.000031801	0.000098078	0.000845

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1461.651012

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2923.302
AIC (smaller is better)	2933.302
AICC (smaller is better)	2933.362
BIC (smaller is better)	2957.841

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3066.09
Weibull AIC (smaller is better)	-3056.09
Weibull AICC (smaller is better)	-3056.03
Weibull BIC (smaller is better)	-3031.55

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	30.1918	<.0001
M_bin	1	0.4504	0.5021
C	1	16.9118	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3182	0.0641	-3.4438	-3.1926	2680.41	<.0001
A	1	0.3839	0.0699	0.2470	0.5208	30.19	<.0001
M_bin	1	-0.0467	0.0696	-0.1830	0.0896	0.45	0.5021
C	1	0.1424	0.0346	0.0745	0.2102	16.91	<.0001
Scale	1	0.9332	0.0296	0.8769	0.9931		
Weibull Shape	1	1.0716	0.0340	1.0069	1.1404		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004108	-0.002124	-0.002096	-0.000993	-0.000137
A	-0.002124	0.004881	0.000000352	0.000137	0.000225
M_bin	-0.002096	0.000000352	0.004838	-0.000456	-0.000029298
C	-0.000993	0.000137	-0.000456	0.001199	0.000080183
Scale	-0.000137	0.000225	-0.000029298	0.000080183	0.000878

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1488.178875

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2976.358
AIC (smaller is better)	2986.358
AICC (smaller is better)	2986.418
BIC (smaller is better)	3010.897

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3080.70
Weibull AIC (smaller is better)	-3070.70
Weibull AICC (smaller is better)	-3070.64
Weibull BIC (smaller is better)	-3046.16

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7906	0.3739
M_bin	1	0.2679	0.6047
C	1	17.7693	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2273	0.0642	-3.3532	-3.1015	2526.42	<.0001
A	1	0.0623	0.0700	-0.0750	0.1995	0.79	0.3739
M_bin	1	0.0360	0.0696	-0.1003	0.1724	0.27	0.6047
C	1	0.1463	0.0347	0.0783	0.2143	17.77	<.0001
Scale	1	0.9511	0.0303	0.8936	1.0123		
Weibull Shape	1	1.0515	0.0335	0.9879	1.1191		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004123	-0.001964	-0.002249	-0.000971	-0.000078951
A	-0.001964	0.004903	-0.000053085	-0.000149	0.000037453
M_bin	-0.002249	-0.000053085	0.004839	-0.000209	0.000015187
C	-0.000971	-0.000149	-0.000209	0.001204	0.000080792
Scale	-0.000078951	0.000037453	0.000015187	0.000080792	0.000916

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1450.202433

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2900.405
AIC (smaller is better)	2910.405
AICC (smaller is better)	2910.465
BIC (smaller is better)	2934.944

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2914.82
Weibull AIC (smaller is better)	-2904.82
Weibull AICC (smaller is better)	-2904.76
Weibull BIC (smaller is better)	-2880.29

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.5715	0.0104
M_bin	1	0.2471	0.6191
C	1	15.7369	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2099	0.0610	-3.3295	-3.0904	2770.33	<.0001
A	1	0.1787	0.0697	0.0421	0.3154	6.57	0.0104
M_bin	1	0.0347	0.0698	-0.1021	0.1715	0.25	0.6191
C	1	0.1414	0.0357	0.0716	0.2113	15.74	<.0001
Scale	1	0.9249	0.0299	0.8681	0.9854		
Weibull Shape	1	1.0812	0.0350	1.0148	1.1519		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003719	-0.001883	-0.001792	-0.000973	-0.000086063
A	-0.001883	0.004861	-0.000496	0.000107	0.000110
M_bin	-0.001792	-0.000496	0.004874	-0.000447	0.000024241
C	-0.000973	0.000107	-0.000447	0.001271	0.000086556
Scale	-0.000086063	0.000110	0.000024241	0.000086556	0.000894

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1482.368891

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2964.738
AIC (smaller is better)	2974.738
AICC (smaller is better)	2974.798
BIC (smaller is better)	2999.277

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3140.25
Weibull AIC (smaller is better)	-3130.25
Weibull AICC (smaller is better)	-3130.19
Weibull BIC (smaller is better)	-3105.71

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.2797	0.2579
M_bin	1	0.6748	0.4114
C	1	16.8691	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2526	0.0606	-3.3714	-3.1339	2880.86	<.0001
A	1	0.0800	0.0707	-0.0586	0.2186	1.28	0.2579
M_bin	1	0.0575	0.0700	-0.0797	0.1947	0.67	0.4114
C	1	0.1453	0.0354	0.0759	0.2146	16.87	<.0001
Scale	1	0.9436	0.0297	0.8871	1.0037		
Weibull Shape	1	1.0597	0.0334	0.9963	1.1272		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003672	-0.001908	-0.001722	-0.001021	-0.000113
A	-0.001908	0.005003	-0.000594	0.000244	0.000038813
M_bin	-0.001722	-0.000594	0.004898	-0.000433	0.000049933
C	-0.001021	0.000244	-0.000433	0.001251	0.000087376
Scale	-0.000113	0.000038813	0.000049933	0.000087376	0.000883

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	772
Right Censored Values	228
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1504.308301

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3008.617
AIC (smaller is better)	3018.617
AICC (smaller is better)	3018.677
BIC (smaller is better)	3043.155

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3241.49
Weibull AIC (smaller is better)	-3231.49
Weibull AICC (smaller is better)	-3231.43
Weibull BIC (smaller is better)	-3206.95

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.6064	0.4361
M_bin	1	0.2480	0.6185
C	1	11.8185	0.0006

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2468	0.0627	-3.3698	-3.1239	2678.83	<.0001
A	1	0.0542	0.0696	-0.0822	0.1907	0.61	0.4361
M_bin	1	0.0347	0.0696	-0.1018	0.1711	0.25	0.6185
C	1	0.1154	0.0336	0.0496	0.1813	11.82	0.0006
Scale	1	0.9554	0.0298	0.8987	1.0157		
Weibull Shape	1	1.0467	0.0327	0.9846	1.1128		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003935	-0.002095	-0.001923	-0.000960	-0.000075020
A	-0.002095	0.004847	-0.000319	0.000151	0.000022679
M_bin	-0.001923	-0.000319	0.004846	-0.000332	0.000015120
C	-0.000960	0.000151	-0.000332	0.001128	0.000056155
Scale	-0.000075020	0.000022679	0.000015120	0.000056155	0.000890

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	762
Right Censored Values	238
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1484.348254

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2968.697
AIC (smaller is better)	2978.697
AICC (smaller is better)	2978.757
BIC (smaller is better)	3003.235

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3164.45
Weibull AIC (smaller is better)	-3154.45
Weibull AICC (smaller is better)	-3154.39
Weibull BIC (smaller is better)	-3129.92

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.6297	0.2017
M_bin	1	0.0394	0.8427
C	1	30.0812	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2707	0.0599	-3.3880	-3.1533	2985.28	<.0001
A	1	0.0894	0.0700	-0.0479	0.2267	1.63	0.2017
M_bin	1	-0.0138	0.0694	-0.1498	0.1223	0.04	0.8427
C	1	0.1863	0.0340	0.1197	0.2528	30.08	<.0001
Scale	1	0.9458	0.0298	0.8892	1.0060		
Weibull Shape	1	1.0573	0.0333	0.9940	1.1246		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003583	-0.001851	-0.001945	-0.000833	-0.000102
A	-0.001851	0.004905	-0.000086426	-0.000071731	0.000036820
M_bin	-0.001945	-0.000086426	0.004818	-0.000354	-0.000007552
C	-0.000833	-0.000071731	-0.000354	0.001153	0.000105
Scale	-0.000102	0.000036820	-0.000007552	0.000105	0.000887

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1492.796139

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2985.592
AIC (smaller is better)	2995.592
AICC (smaller is better)	2995.653
BIC (smaller is better)	3020.131

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3064.14
Weibull AIC (smaller is better)	-3054.14
Weibull AICC (smaller is better)	-3054.08
Weibull BIC (smaller is better)	-3029.60

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	7.5942	0.0059
M_bin	1	6.7510	0.0094
C	1	13.6799	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3247	0.0628	-3.4478	-3.2015	2799.17	<.0001
A	1	0.1972	0.0716	0.0569	0.3375	7.59	0.0059
M_bin	1	0.1834	0.0706	0.0451	0.3218	6.75	0.0094
C	1	0.1298	0.0351	0.0610	0.1985	13.68	0.0002
Scale	1	0.9573	0.0306	0.8992	1.0191		
Weibull Shape	1	1.0446	0.0333	0.9813	1.1121		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003949	-0.001970	-0.001966	-0.001062	-0.000128
A	-0.001970	0.005121	-0.000278	0.000082476	0.000109
M_bin	-0.001966	-0.000278	0.004983	-0.000311	0.000089197
C	-0.001062	0.000082476	-0.000311	0.001231	0.000069132
Scale	-0.000128	0.000109	0.000089197	0.000069132	0.000934

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1451.409007

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2902.818
AIC (smaller is better)	2912.818
AICC (smaller is better)	2912.878
BIC (smaller is better)	2937.357

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2980.72
Weibull AIC (smaller is better)	-2970.72
Weibull AICC (smaller is better)	-2970.66
Weibull BIC (smaller is better)	-2946.18

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	2.4181	0.1199
M_bin	1	0.1774	0.6736
C	1	8.2245	0.0041

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1344	0.0584	-3.2489	-3.0198	2876.63	<.0001
A	1	0.1052	0.0677	-0.0274	0.2378	2.42	0.1199
M_bin	1	0.0284	0.0674	-0.1037	0.1605	0.18	0.6736
C	1	0.0924	0.0322	0.0292	0.1555	8.22	0.0041
Scale	1	0.9023	0.0290	0.8472	0.9610		
Weibull Shape	1	1.1083	0.0357	1.0405	1.1804		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003415	-0.001789	-0.001656	-0.000855	-0.000050918
A	-0.001789	0.004579	-0.000213	0.000096536	0.000062270
M_bin	-0.001656	-0.000213	0.004543	-0.000425	0.000027059
C	-0.000855	0.000096536	-0.000425	0.001037	0.000048580
Scale	-0.000050918	0.000062270	0.000027059	0.000048580	0.000843

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1462.633561

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2925.267
AIC (smaller is better)	2935.267
AICC (smaller is better)	2935.327
BIC (smaller is better)	2959.806

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2999.85
Weibull AIC (smaller is better)	-2989.85
Weibull AICC (smaller is better)	-2989.79
Weibull BIC (smaller is better)	-2965.31

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.9791	0.0461
M_bin	1	0.5456	0.4601
C	1	13.7588	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2132	0.0615	-3.3337	-3.0927	2731.13	<.0001
A	1	0.1388	0.0696	0.0024	0.2752	3.98	0.0461
M_bin	1	0.0507	0.0686	-0.0838	0.1851	0.55	0.4601
C	1	0.1241	0.0335	0.0585	0.1897	13.76	0.0002
Scale	1	0.9272	0.0297	0.8708	0.9872		
Weibull Shape	1	1.0785	0.0345	1.0129	1.1484		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003780	-0.001814	-0.001920	-0.000976	-0.000084986
A	-0.001814	0.004841	-0.000277	0.000039356	0.000060627
M_bin	-0.001920	-0.000277	0.004705	-0.000293	0.000030951
C	-0.000976	0.000039356	-0.000293	0.001120	0.000078481
Scale	-0.000084986	0.000060627	0.000030951	0.000078481	0.000881

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1466.475317

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2932.951
AIC (smaller is better)	2942.951
AICC (smaller is better)	2943.011
BIC (smaller is better)	2967.489

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3082.39
Weibull AIC (smaller is better)	-3072.39
Weibull AICC (smaller is better)	-3072.33
Weibull BIC (smaller is better)	-3047.85

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.3019	0.1292
M_bin	1	6.5567	0.0104
C	1	5.7662	0.0163

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2433	0.0605	-3.3618	-3.1248	2877.44	<.0001
A	1	0.1046	0.0689	-0.0305	0.2397	2.30	0.1292
M_bin	1	0.1746	0.0682	0.0410	0.3083	6.56	0.0104
C	1	0.0798	0.0332	0.0147	0.1449	5.77	0.0163
Scale	1	0.9229	0.0293	0.8672	0.9821		
Weibull Shape	1	1.0836	0.0344	1.0183	1.1531		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003656	-0.001807	-0.001738	-0.000996	-0.000087946
A	-0.001807	0.004754	-0.000437	0.000116	0.000062574
M_bin	-0.001738	-0.000437	0.004650	-0.000294	0.000086496
C	-0.000996	0.000116	-0.000294	0.001104	0.000041859
Scale	-0.000087946	0.000062574	0.000086496	0.000041859	0.000858

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1418.45425

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2836.908
AIC (smaller is better)	2846.908
AICC (smaller is better)	2846.969
BIC (smaller is better)	2871.447

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3010.10
Weibull AIC (smaller is better)	-3000.10
Weibull AICC (smaller is better)	-3000.04
Weibull BIC (smaller is better)	-2975.56

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.9848	0.0459
M_bin	1	9.2247	0.0024
C	1	5.3044	0.0213

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2246	0.0603	-3.3427	-3.1064	2860.59	<.0001
A	1	0.1270	0.0636	0.0023	0.2516	3.98	0.0459
M_bin	1	0.1938	0.0638	0.0687	0.3189	9.22	0.0024
C	1	0.0766	0.0333	0.0114	0.1418	5.30	0.0213
Scale	1	0.8654	0.0277	0.8128	0.9214		
Weibull Shape	1	1.1555	0.0370	1.0853	1.2303		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003635	-0.001793	-0.001748	-0.000979	-0.000104
A	-0.001793	0.004046	0.000033799	-0.000007907	0.000072259
M_bin	-0.001748	0.000033799	0.004071	-0.000270	0.000118
C	-0.000979	-0.000007907	-0.000270	0.001107	0.000036693
Scale	-0.000104	0.000072259	0.000118	0.000036693	0.000766

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1466.907041

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2933.814
AIC (smaller is better)	2943.814
AICC (smaller is better)	2943.874
BIC (smaller is better)	2968.353

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3093.67
Weibull AIC (smaller is better)	-3083.67
Weibull AICC (smaller is better)	-3083.61
Weibull BIC (smaller is better)	-3059.13

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	14.9269	0.0001
M_bin	1	0.2444	0.6210
C	1	5.0361	0.0248

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2066	0.0622	-3.3285	-3.0846	2655.93	<.0001
A	1	0.2644	0.0684	0.1302	0.3985	14.93	0.0001
M_bin	1	-0.0338	0.0683	-0.1676	0.1001	0.24	0.6210
C	1	0.0771	0.0343	0.0098	0.1444	5.04	0.0248
Scale	1	0.9213	0.0292	0.8659	0.9803		
Weibull Shape	1	1.0854	0.0344	1.0201	1.1549		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003871	-0.001754	-0.001860	-0.001018	-0.000082362
A	-0.001754	0.004682	-0.000347	0.000025500	0.000153
M_bin	-0.001860	-0.000347	0.004661	-0.000424	-0.000025871
C	-0.001018	0.000025500	-0.000424	0.001179	0.000043897
Scale	-0.000082362	0.000153	-0.000025871	0.000043897	0.000851

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1473.47989

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2946.960
AIC (smaller is better)	2956.960
AICC (smaller is better)	2957.020
BIC (smaller is better)	2981.499

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3037.82
Weibull AIC (smaller is better)	-3027.82
Weibull AICC (smaller is better)	-3027.76
Weibull BIC (smaller is better)	-3003.28

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.7867	0.3751
M_bin	1	1.6910	0.1935
C	1	12.4286	0.0004

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2055	0.0625	-3.3280	-3.0830	2629.90	<.0001
A	1	0.0612	0.0690	-0.0740	0.1965	0.79	0.3751
M_bin	1	0.0898	0.0690	-0.0455	0.2251	1.69	0.1935
C	1	0.1171	0.0332	0.0520	0.1822	12.43	0.0004
Scale	1	0.9371	0.0299	0.8803	0.9975		
Weibull Shape	1	1.0671	0.0340	1.0025	1.1360		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003907	-0.002063	-0.002076	-0.000874	-0.000069639
A	-0.002063	0.004763	-0.000139	0.000038957	0.000029201
M_bin	-0.002076	-0.000139	0.004765	-0.000273	0.000044966
C	-0.000874	0.000038957	-0.000273	0.001103	0.000069892
Scale	-0.000069639	0.000029201	0.000044966	0.000069892	0.000894

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	772
Right Censored Values	228
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1502.305936

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3004.612
AIC (smaller is better)	3014.612
AICC (smaller is better)	3014.672
BIC (smaller is better)	3039.151

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3228.76
Weibull AIC (smaller is better)	-3218.76
Weibull AICC (smaller is better)	-3218.70
Weibull BIC (smaller is better)	-3194.22

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.3544	0.1249
M_bin	1	2.0758	0.1497
C	1	6.1567	0.0131

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2649	0.0606	-3.3837	-3.1461	2901.79	<.0001
A	1	0.1080	0.0704	-0.0299	0.2458	2.35	0.1249
M_bin	1	0.1020	0.0708	-0.0367	0.2407	2.08	0.1497
C	1	0.0865	0.0348	0.0182	0.1547	6.16	0.0131
Scale	1	0.9540	0.0298	0.8973	1.0144		
Weibull Shape	1	1.0482	0.0328	0.9858	1.1145		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003674	-0.001885	-0.001754	-0.000925	-0.000092079
A	-0.001885	0.004950	-0.000458	0.000122	0.000045455
M_bin	-0.001754	-0.000458	0.005008	-0.000551	0.000057107
C	-0.000925	0.000122	-0.000551	0.001214	0.000041863
Scale	-0.000092079	0.000045455	0.000057107	0.000041863	0.000891

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1494.528555

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2989.057
AIC (smaller is better)	2999.057
AICC (smaller is better)	2999.117
BIC (smaller is better)	3023.596

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3075.04
Weibull AIC (smaller is better)	-3065.04
Weibull AICC (smaller is better)	-3064.98
Weibull BIC (smaller is better)	-3040.50

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	9.8014	0.0017
M_bin	1	7.4112	0.0065
C	1	9.9803	0.0016

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3272	0.0624	-3.4496	-3.2049	2840.40	<.0001
A	1	0.2260	0.0722	0.0845	0.3675	9.80	0.0017
M_bin	1	0.1935	0.0711	0.0542	0.3329	7.41	0.0065
C	1	0.1103	0.0349	0.0419	0.1787	9.98	0.0016
Scale	1	0.9621	0.0306	0.9040	1.0240		
Weibull Shape	1	1.0394	0.0331	0.9766	1.1062		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003897	-0.001885	-0.002012	-0.001001	-0.000158
A	-0.001885	0.005212	-0.000199	-0.000028560	0.000136
M_bin	-0.002012	-0.000199	0.005054	-0.000358	0.000123
C	-0.001001	-0.000028560	-0.000358	0.001219	0.000068052
Scale	-0.000158	0.000136	0.000123	0.000068052	0.000936

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1462.602679

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2925.205
AIC (smaller is better)	2935.205
AICC (smaller is better)	2935.266
BIC (smaller is better)	2959.744

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3085.98
Weibull AIC (smaller is better)	-3075.98
Weibull AICC (smaller is better)	-3075.92
Weibull BIC (smaller is better)	-3051.44

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.4248	0.0642
M_bin	1	2.6136	0.1059
C	1	3.2966	0.0694

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1931	0.0613	-3.3132	-3.0729	2712.58	<.0001
A	1	0.1249	0.0675	-0.0074	0.2572	3.42	0.0642
M_bin	1	0.1082	0.0670	-0.0230	0.2395	2.61	0.1059
C	1	0.0593	0.0326	-0.0047	0.1232	3.30	0.0694
Scale	1	0.9120	0.0289	0.8570	0.9705		
Weibull Shape	1	1.0965	0.0348	1.0303	1.1668		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003759	-0.001967	-0.001827	-0.000978	-0.000068735
A	-0.001967	0.004556	-0.000055700	0.000134	0.000054692
M_bin	-0.001827	-0.000055700	0.004483	-0.000304	0.000062659
C	-0.000978	0.000134	-0.000304	0.001065	0.000032116
Scale	-0.000068735	0.000054692	0.000062659	0.000032116	0.000838

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA143
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1487.884323

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2975.769
AIC (smaller is better)	2985.769
AICC (smaller is better)	2985.829
BIC (smaller is better)	3010.307

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3082.50
Weibull AIC (smaller is better)	-3072.50
Weibull AICC (smaller is better)	-3072.44
Weibull BIC (smaller is better)	-3047.96

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.6159	0.4326
M_bin	1	0.6081	0.4355
C	1	3.2817	0.0701

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1379	0.0657	-3.2666	-3.0091	2281.67	<.0001
A	1	0.0541	0.0689	-0.0810	0.1891	0.62	0.4326
M_bin	1	0.0537	0.0689	-0.0813	0.1887	0.61	0.4355
C	1	0.0617	0.0340	-0.0051	0.1284	3.28	0.0701
Scale	1	0.9407	0.0299	0.8840	1.0011		
Weibull Shape	1	1.0631	0.0337	0.9989	1.1313		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004315	-0.002293	-0.002006	-0.001104	-0.000049292
A	-0.002293	0.004746	-0.000139	0.000229	0.000029732
M_bin	-0.002006	-0.000139	0.004745	-0.000324	0.000035352
C	-0.001104	0.000229	-0.000324	0.001158	0.000032445
Scale	-0.000049292	0.000029732	0.000035352	0.000032445	0.000891

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	732
Right Censored Values	268
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1486.236186

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2972.472
AIC (smaller is better)	2982.472
AICC (smaller is better)	2982.533
BIC (smaller is better)	3007.011

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2936.17
Weibull AIC (smaller is better)	-2926.17
Weibull AICC (smaller is better)	-2926.11
Weibull BIC (smaller is better)	-2901.63

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	14.3774	0.0001
M_bin	1	2.4697	0.1161
C	1	23.7485	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3335	0.0634	-3.4579	-3.2092	2762.22	<.0001
A	1	0.2849	0.0751	0.1376	0.4322	14.38	0.0001
M_bin	1	0.1152	0.0733	-0.0285	0.2589	2.47	0.1161
C	1	0.1766	0.0362	0.1056	0.2476	23.75	<.0001
Scale	1	0.9737	0.0316	0.9137	1.0376		
Weibull Shape	1	1.0270	0.0333	0.9637	1.0944		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004023	-0.002034	-0.001994	-0.001092	-0.000138
A	-0.002034	0.005646	-0.000453	0.000189	0.000168
M_bin	-0.001994	-0.000453	0.005375	-0.000437	0.000062563
C	-0.001092	0.000189	-0.000437	0.001313	0.000109
Scale	-0.000138	0.000168	0.000062563	0.000109	0.000998

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	723
Right Censored Values	277
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1464.200735

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2928.401
AIC (smaller is better)	2938.401
AICC (smaller is better)	2938.462
BIC (smaller is better)	2962.940

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2880.86
Weibull AIC (smaller is better)	-2870.86
Weibull AICC (smaller is better)	-2870.80
Weibull BIC (smaller is better)	-2846.32

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	20.7778	<.0001
M_bin	1	4.1340	0.0420
C	1	13.2412	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3062	0.0635	-3.4307	-3.1817	2709.09	<.0001
A	1	0.3358	0.0737	0.1914	0.4803	20.78	<.0001
M_bin	1	0.1454	0.0715	0.0052	0.2855	4.13	0.0420
C	1	0.1258	0.0346	0.0581	0.1936	13.24	0.0003
Scale	1	0.9552	0.0310	0.8963	1.0180		
Weibull Shape	1	1.0469	0.0340	0.9823	1.1157		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004035	-0.002086	-0.002200	-0.001025	-0.000114
A	-0.002086	0.005429	-0.000076541	0.000103	0.000204
M_bin	-0.002200	-0.000076541	0.005113	-0.000231	0.000085748
C	-0.001025	0.000103	-0.000231	0.001196	0.000070040
Scale	-0.000114	0.000204	0.000085748	0.000070040	0.000962

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1466.124952

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2932.250
AIC (smaller is better)	2942.250
AICC (smaller is better)	2942.310
BIC (smaller is better)	2966.789

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2798.44
Weibull AIC (smaller is better)	-2788.44
Weibull AICC (smaller is better)	-2788.38
Weibull BIC (smaller is better)	-2763.90

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.5724	0.0325
M_bin	1	0.0750	0.7841
C	1	8.1777	0.0042

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1027	0.0656	-3.2313	-2.9741	2235.99	<.0001
A	1	0.1544	0.0722	0.0129	0.2960	4.57	0.0325
M_bin	1	-0.0197	0.0719	-0.1605	0.1211	0.08	0.7841
C	1	0.1013	0.0354	0.0319	0.1707	8.18	0.0042
Scale	1	0.9517	0.0312	0.8924	1.0149		
Weibull Shape	1	1.0508	0.0345	0.9853	1.1205		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004305	-0.002190	-0.002046	-0.001128	0.000006897
A	-0.002190	0.005216	-0.000219	0.000145	0.000094005
M_bin	-0.002046	-0.000219	0.005163	-0.000393	-0.000021982
C	-0.001128	0.000145	-0.000393	0.001254	0.000048185
Scale	0.000006897	0.000094005	-0.000021982	0.000048185	0.000975

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1441.901131

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2883.802
AIC (smaller is better)	2893.802
AICC (smaller is better)	2893.863
BIC (smaller is better)	2918.341

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2949.43
Weibull AIC (smaller is better)	-2939.43
Weibull AICC (smaller is better)	-2939.37
Weibull BIC (smaller is better)	-2914.89

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.6539	0.0310
M_bin	1	9.2577	0.0023
C	1	18.8061	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2944	0.0610	-3.4139	-3.1749	2920.51	<.0001
A	1	0.1464	0.0679	0.0134	0.2795	4.65	0.0310
M_bin	1	0.2049	0.0673	0.0729	0.3369	9.26	0.0023
C	1	0.1383	0.0319	0.0758	0.2008	18.81	<.0001
Scale	1	0.9081	0.0293	0.8524	0.9674		
Weibull Shape	1	1.1012	0.0355	1.0337	1.1731		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003716	-0.001899	-0.002000	-0.000882	-0.000104
A	-0.001899	0.004608	0.000041631	-0.000043635	0.000072396
M_bin	-0.002000	0.000041631	0.004534	-0.000176	0.000112
C	-0.000882	-0.000043635	-0.000176	0.001017	0.000067007
Scale	-0.000104	0.000072396	0.000112	0.000067007	0.000859

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	732
Right Censored Values	268
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1466.496288

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2932.993
AIC (smaller is better)	2942.993
AICC (smaller is better)	2943.053
BIC (smaller is better)	2967.531

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2902.99
Weibull AIC (smaller is better)	-2892.99
Weibull AICC (smaller is better)	-2892.93
Weibull BIC (smaller is better)	-2868.45

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.6414	0.0312
M_bin	1	0.8393	0.3596
C	1	8.9661	0.0028

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1209	0.0624	-3.2432	-2.9986	2502.14	<.0001
A	1	0.1541	0.0715	0.0139	0.2943	4.64	0.0312
M_bin	1	-0.0659	0.0720	-0.2070	0.0751	0.84	0.3596
C	1	0.1058	0.0353	0.0365	0.1750	8.97	0.0028
Scale	1	0.9420	0.0305	0.8841	1.0038		
Weibull Shape	1	1.0615	0.0344	0.9962	1.1311		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003893	-0.001927	-0.001705	-0.001040	-0.000015088
A	-0.001927	0.005118	-0.000887	0.000189	0.000076593
M_bin	-0.001705	-0.000887	0.005181	-0.000503	-0.000048211
C	-0.001040	0.000189	-0.000503	0.001247	0.000066853
Scale	-0.000015088	0.000076593	-0.000048211	0.000066853	0.000931

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1477.913759

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2955.828
AIC (smaller is better)	2965.828
AICC (smaller is better)	2965.888
BIC (smaller is better)	2990.366

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3039.46
Weibull AIC (smaller is better)	-3029.46
Weibull AICC (smaller is better)	-3029.40
Weibull BIC (smaller is better)	-3004.92

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.0100	0.0252
M_bin	1	0.0789	0.7788
C	1	5.4263	0.0198

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1548	0.0611	-3.2746	-3.0350	2663.62	<.0001
A	1	0.1547	0.0691	0.0192	0.2901	5.01	0.0252
M_bin	1	-0.0198	0.0705	-0.1579	0.1183	0.08	0.7788
C	1	0.0831	0.0357	0.0132	0.1530	5.43	0.0198
Scale	1	0.9373	0.0299	0.8805	0.9977		
Weibull Shape	1	1.0669	0.0340	1.0023	1.1357		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003737	-0.001926	-0.001836	-0.000873	-0.000031829
A	-0.001926	0.004776	-0.000275	-0.000010629	0.000064617
M_bin	-0.001836	-0.000275	0.004965	-0.000591	-0.000001188
C	-0.000873	-0.000010629	-0.0000591	0.001272	0.000033719
Scale	-0.000031829	0.000064617	-0.000001188	0.000033719	0.000893

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1506.608056

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3013.216
AIC (smaller is better)	3023.216
AICC (smaller is better)	3023.276
BIC (smaller is better)	3047.755

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3060.51
Weibull AIC (smaller is better)	-3050.51
Weibull AICC (smaller is better)	-3050.45
Weibull BIC (smaller is better)	-3025.97

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	2.3631	0.1242
M_bin	1	0.1576	0.6914
C	1	5.7595	0.0164

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1435	0.0666	-3.2741	-3.0129	2224.99	<.0001
A	1	0.1101	0.0716	-0.0303	0.2505	2.36	0.1242
M_bin	1	-0.0281	0.0708	-0.1670	0.1107	0.16	0.6914
C	1	0.0831	0.0346	0.0152	0.1510	5.76	0.0164
Scale	1	0.9670	0.0309	0.9083	1.0296		
Weibull Shape	1	1.0341	0.0331	0.9712	1.1010		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004441	-0.002192	-0.002168	-0.001171	-0.000043719
A	-0.002192	0.005131	-0.000299	0.000188	0.000061315
M_bin	-0.002168	-0.000299	0.005018	-0.000242	-0.000007296
C	-0.001171	0.000188	-0.000242	0.001199	0.000048766
Scale	-0.000043719	0.000061315	-0.000007296	0.000048766	0.000957

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1448.224116

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2896.448
AIC (smaller is better)	2906.448
AICC (smaller is better)	2906.509
BIC (smaller is better)	2930.987

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3204.97
Weibull AIC (smaller is better)	-3194.97
Weibull AICC (smaller is better)	-3194.91
Weibull BIC (smaller is better)	-3170.43

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	12.0616	0.0005
M_bin	1	1.4182	0.2337
C	1	29.5032	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3709	0.0579	-3.4844	-3.2573	3385.65	<.0001
A	1	0.2299	0.0662	0.1001	0.3596	12.06	0.0005
M_bin	1	0.0783	0.0658	-0.0506	0.2072	1.42	0.2337
C	1	0.1784	0.0328	0.1140	0.2427	29.50	<.0001
Scale	1	0.8958	0.0281	0.8425	0.9526		
Weibull Shape	1	1.1163	0.0350	1.0498	1.1870		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003356	-0.001777	-0.001581	-0.000902	-0.000158
A	-0.001777	0.004381	-0.000347	0.000172	0.000114
M_bin	-0.001581	-0.000347	0.004326	-0.000360	0.000038969
C	-0.000902	0.000172	-0.000360	0.001078	0.000091934
Scale	-0.000158	0.000114	0.000038969	0.000091934	0.000788

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1439.886278

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2879.773
AIC (smaller is better)	2889.773
AICC (smaller is better)	2889.833
BIC (smaller is better)	2914.311

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2918.33
Weibull AIC (smaller is better)	-2908.33
Weibull AICC (smaller is better)	-2908.27
Weibull BIC (smaller is better)	-2883.79

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0363	0.8489
M_bin	1	0.5073	0.4763
C	1	13.9503	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.0782	0.0639	-3.2035	-2.9530	2320.50	<.0001
A	1	-0.0129	0.0677	-0.1457	0.1199	0.04	0.8489
M_bin	1	-0.0485	0.0681	-0.1819	0.0849	0.51	0.4763
C	1	0.1264	0.0338	0.0601	0.1927	13.95	0.0002
Scale	1	0.9088	0.0292	0.8533	0.9679		
Weibull Shape	1	1.1003	0.0354	1.0331	1.1719		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004083	-0.002083	-0.002046	-0.000985	-0.000003116
A	-0.002083	0.004588	-0.000120	0.000145	-0.000016301
M_bin	-0.002046	-0.000120	0.004632	-0.000368	-0.000029085
C	-0.000985	0.000145	-0.000368	0.001145	0.000073845
Scale	-0.000003116	-0.000016301	-0.000029085	0.000073845	0.000854

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1468.282369

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2936.565
AIC (smaller is better)	2946.565
AICC (smaller is better)	2946.625
BIC (smaller is better)	2971.104

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3188.09
Weibull AIC (smaller is better)	-3178.09
Weibull AICC (smaller is better)	-3178.02
Weibull BIC (smaller is better)	-3153.55

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	5.7075	0.0169
M_bin	1	0.4702	0.4929
C	1	13.6921	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2627	0.0588	-3.3780	-3.1474	3075.95	<.0001
A	1	0.1623	0.0679	0.0291	0.2954	5.71	0.0169
M_bin	1	0.0457	0.0667	-0.0850	0.1764	0.47	0.4929
C	1	0.1200	0.0324	0.0564	0.1835	13.69	0.0002
Scale	1	0.9158	0.0287	0.8612	0.9738		
Weibull Shape	1	1.0920	0.0342	1.0269	1.1611		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003461	-0.001771	-0.001803	-0.000881	-0.000112
A	-0.001771	0.004615	-0.000174	0.000078953	0.000079389
M_bin	-0.001803	-0.000174	0.004446	-0.000278	0.000033602
C	-0.000881	0.000078953	-0.000278	0.001051	0.000065661
Scale	-0.000112	0.000079389	0.000033602	0.000065661	0.000824

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1477.109599

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2954.219
AIC (smaller is better)	2964.219
AICC (smaller is better)	2964.280
BIC (smaller is better)	2988.758

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3081.59
Weibull AIC (smaller is better)	-3071.59
Weibull AICC (smaller is better)	-3071.53
Weibull BIC (smaller is better)	-3047.05

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.6870	0.1012
M_bin	1	0.0003	0.9859
C	1	5.1931	0.0227

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1556	0.0632	-3.2795	-3.0318	2493.24	<.0001
A	1	0.1119	0.0682	-0.0219	0.2456	2.69	0.1012
M_bin	1	0.0012	0.0689	-0.1338	0.1362	0.00	0.9859
C	1	0.0773	0.0339	0.0108	0.1437	5.19	0.0227
Scale	1	0.9304	0.0295	0.8743	0.9902		
Weibull Shape	1	1.0748	0.0341	1.0099	1.1437		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003994	-0.002177	-0.001829	-0.000999	-0.000038463
A	-0.002177	0.004657	-0.000113	0.000179	0.000058035
M_bin	-0.001829	-0.000113	0.004743	-0.000454	-0.000009732
C	-0.000999	0.000179	-0.000454	0.001149	0.000033681
Scale	-0.000038463	0.000058035	-0.000009732	0.000033681	0.000872

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1457.29855

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2914.597
AIC (smaller is better)	2924.597
AICC (smaller is better)	2924.657
BIC (smaller is better)	2949.136

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2939.98
Weibull AIC (smaller is better)	-2929.98
Weibull AICC (smaller is better)	-2929.91
Weibull BIC (smaller is better)	-2905.44

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8568	0.3546
M_bin	1	1.3586	0.2438
C	1	2.9300	0.0869

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1040	0.0615	-3.2245	-2.9835	2547.77	<.0001
A	1	0.0633	0.0684	-0.0708	0.1974	0.86	0.3546
M_bin	1	0.0793	0.0681	-0.0541	0.2127	1.36	0.2438
C	1	0.0574	0.0336	-0.0083	0.1232	2.93	0.0869
Scale	1	0.9171	0.0296	0.8609	0.9769		
Weibull Shape	1	1.0904	0.0352	1.0236	1.1616		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003782	-0.001846	-0.001846	-0.000986	-0.000027161
A	-0.001846	0.004680	-0.000215	0.000009143	0.000035188
M_bin	-0.001846	-0.000215	0.004633	-0.000303	0.000041036
C	-0.000986	0.000009143	-0.000303	0.001126	0.000036823
Scale	-0.000027161	0.000035188	0.000041036	0.000036823	0.000875

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1473.031226

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2946.062
AIC (smaller is better)	2956.062
AICC (smaller is better)	2956.123
BIC (smaller is better)	2980.601

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3097.31
Weibull AIC (smaller is better)	-3087.31
Weibull AICC (smaller is better)	-3087.25
Weibull BIC (smaller is better)	-3062.77

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.2741	0.1315
M_bin	1	0.3612	0.5478
C	1	28.3357	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2821	0.0613	-3.4023	-3.1619	2863.10	<.0001
A	1	0.1040	0.0690	-0.0312	0.2393	2.27	0.1315
M_bin	1	0.0416	0.0692	-0.0941	0.1772	0.36	0.5478
C	1	0.1830	0.0344	0.1156	0.2504	28.34	<.0001
Scale	1	0.9348	0.0296	0.8786	0.9947		
Weibull Shape	1	1.0697	0.0339	1.0053	1.1382		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003762	-0.001952	-0.001826	-0.000946	-0.000127
A	-0.001952	0.004760	-0.000362	0.000105	0.000058511
M_bin	-0.001826	-0.000362	0.004790	-0.000397	0.000049294
C	-0.000946	0.000105	-0.000397	0.001182	0.000098514
Scale	-0.000127	0.000058511	0.000049294	0.000098514	0.000877

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1442.411484

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2884.823
AIC (smaller is better)	2894.823
AICC (smaller is better)	2894.883
BIC (smaller is better)	2919.362

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2970.64
Weibull AIC (smaller is better)	-2960.64
Weibull AICC (smaller is better)	-2960.58
Weibull BIC (smaller is better)	-2936.10

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.4977	0.0615
M_bin	1	0.1630	0.6864
C	1	26.8342	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2235	0.0591	-3.3394	-3.1076	2973.15	<.0001
A	1	0.1273	0.0681	-0.0061	0.2608	3.50	0.0615
M_bin	1	0.0271	0.0671	-0.1045	0.1587	0.16	0.6864
C	1	0.1752	0.0338	0.1089	0.2414	26.83	<.0001
Scale	1	0.9055	0.0292	0.8501	0.9646		
Weibull Shape	1	1.1043	0.0356	1.0367	1.1764		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003495	-0.001715	-0.001908	-0.000859	-0.000081207
A	-0.001715	0.004635	-0.000206	-0.000028422	0.000065707
M_bin	-0.001908	-0.000206	0.004506	-0.000279	0.000014194
C	-0.000859	-0.000028422	-0.000279	0.001143	0.000098184
Scale	-0.000081207	0.000065707	0.000014194	0.000098184	0.000852

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	778
Right Censored Values	222
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1473.899129

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2947.798
AIC (smaller is better)	2957.798
AICC (smaller is better)	2957.859
BIC (smaller is better)	2982.337

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3267.28
Weibull AIC (smaller is better)	-3257.28
Weibull AICC (smaller is better)	-3257.22
Weibull BIC (smaller is better)	-3232.74

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	2.7209	0.0990
M_bin	1	7.4719	0.0063
C	1	4.1501	0.0416

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2957	0.0626	-3.4184	-3.1730	2771.79	<.0001
A	1	0.1111	0.0674	-0.0209	0.2432	2.72	0.0990
M_bin	1	0.1806	0.0661	0.0511	0.3101	7.47	0.0063
C	1	0.0699	0.0343	0.0026	0.1371	4.15	0.0416
Scale	1	0.9179	0.0285	0.8637	0.9755		
Weibull Shape	1	1.0894	0.0338	1.0251	1.1578		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003919	-0.001821	-0.001936	-0.001178	-0.000111
A	-0.001821	0.004540	-0.000235	0.000119	0.000045448
M_bin	-0.001936	-0.000235	0.004365	-0.000081947	0.000088963
C	-0.001178	0.000119	-0.000081947	0.001177	0.000033752
Scale	-0.000111	0.000045448	0.000088963	0.000033752	0.000813

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1483.572846

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2967.146
AIC (smaller is better)	2977.146
AICC (smaller is better)	2977.206
BIC (smaller is better)	3001.684

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3035.24
Weibull AIC (smaller is better)	-3025.24
Weibull AICC (smaller is better)	-3025.18
Weibull BIC (smaller is better)	-3000.70

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.6589	0.1978
M_bin	1	2.0870	0.1486
C	1	5.2676	0.0217

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1927	0.0650	-3.3201	-3.0653	2411.74	<.0001
A	1	0.0904	0.0702	-0.0472	0.2279	1.66	0.1978
M_bin	1	0.1009	0.0698	-0.0360	0.2377	2.09	0.1486
C	1	0.0792	0.0345	0.0116	0.1468	5.27	0.0217
Scale	1	0.9469	0.0302	0.8895	1.0081		
Weibull Shape	1	1.0561	0.0337	0.9920	1.1242		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004227	-0.002148	-0.002194	-0.001035	-0.000057924
A	-0.002148	0.004924	-0.000085252	0.000122	0.000051796
M_bin	-0.002194	-0.000085252	0.004874	-0.000299	0.000045722
C	-0.001035	0.000122	-0.000299	0.001191	0.000046639
Scale	-0.000057924	0.000051796	0.000045722	0.000046639	0.000913

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1474.925255

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2949.851
AIC (smaller is better)	2959.851
AICC (smaller is better)	2959.911
BIC (smaller is better)	2984.389

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3027.09
Weibull AIC (smaller is better)	-3017.09
Weibull AICC (smaller is better)	-3017.03
Weibull BIC (smaller is better)	-2992.55

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	1.0559	0.3041
M_bin	1	5.3219	0.0211
C	1	17.9755	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2616	0.0627	-3.3846	-3.1386	2701.77	<.0001
A	1	0.0717	0.0697	-0.0650	0.2084	1.06	0.3041
M_bin	1	0.1597	0.0692	0.0240	0.2954	5.32	0.0211
C	1	0.1434	0.0338	0.0771	0.2097	17.98	<.0001
Scale	1	0.9377	0.0300	0.8807	0.9984		
Weibull Shape	1	1.0665	0.0341	1.0016	1.1355		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003937	-0.002034	-0.001913	-0.001042	-0.000129
A	-0.002034	0.004864	-0.000205	0.000141	0.000044381
M_bin	-0.001913	-0.000205	0.004792	-0.000289	0.000110
C	-0.001042	0.000141	-0.000289	0.001144	0.000085200
Scale	-0.000129	0.000044381	0.000110	0.000085200	0.000901

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1496.146202

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2992.292
AIC (smaller is better)	3002.292
AICC (smaller is better)	3002.353
BIC (smaller is better)	3026.831

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3105.80
Weibull AIC (smaller is better)	-3095.80
Weibull AICC (smaller is better)	-3095.74
Weibull BIC (smaller is better)	-3071.26

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.2951	0.0121
M_bin	1	0.1118	0.7381
C	1	15.4937	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2370	0.0648	-3.3640	-3.1101	2497.33	<.0001
A	1	0.1784	0.0711	0.0390	0.3177	6.30	0.0121
M_bin	1	-0.0234	0.0701	-0.1608	0.1139	0.11	0.7381
C	1	0.1374	0.0349	0.0690	0.2059	15.49	<.0001
Scale	1	0.9532	0.0303	0.8957	1.0144		
Weibull Shape	1	1.0491	0.0333	0.9858	1.1165		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004196	-0.002083	-0.002165	-0.001070	-0.000083869
A	-0.002083	0.005054	-0.000189	0.000199	0.000073045
M_bin	-0.002165	-0.000189	0.004913	-0.000360	-0.000004023
C	-0.001070	0.000199	-0.000360	0.001219	0.000077027
Scale	-0.000083869	0.000073045	-0.000004023	0.000077027	0.000916

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1468.504512

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2937.009
AIC (smaller is better)	2947.009
AICC (smaller is better)	2947.069
BIC (smaller is better)	2971.548

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3085.00
Weibull AIC (smaller is better)	-3075.00
Weibull AICC (smaller is better)	-3074.94
Weibull BIC (smaller is better)	-3050.47

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	2.1936	0.1386
M_bin	1	0.2338	0.6288
C	1	15.6896	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2226	0.0620	-3.3442	-3.1011	2702.19	<.0001
A	1	0.1023	0.0691	-0.0331	0.2377	2.19	0.1386
M_bin	1	0.0328	0.0679	-0.1002	0.1658	0.23	0.6288
C	1	0.1351	0.0341	0.0683	0.2020	15.69	<.0001
Scale	1	0.9274	0.0294	0.8716	0.9869		
Weibull Shape	1	1.0782	0.0342	1.0133	1.1473		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003843	-0.001992	-0.002066	-0.000994	-0.000085653
A	-0.001992	0.004773	0.000079270	0.000069695	0.000063129
M_bin	-0.002066	0.000079270	0.004604	-0.000214	0.000020783
C	-0.000994	0.000069695	-0.000214	0.001164	0.000074014
Scale	-0.000085653	0.000063129	0.000020783	0.000074014	0.000864

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1444.227935

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2888.456
AIC (smaller is better)	2898.456
AICC (smaller is better)	2898.516
BIC (smaller is better)	2922.995

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2996.43
Weibull AIC (smaller is better)	-2986.43
Weibull AICC (smaller is better)	-2986.37
Weibull BIC (smaller is better)	-2961.89

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.9851	0.3209
M_bin	1	0.2972	0.5857
C	1	11.8675	0.0006

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1521	0.0613	-3.2722	-3.0320	2646.31	<.0001
A	1	0.0666	0.0671	-0.0649	0.1981	0.99	0.3209
M_bin	1	0.0361	0.0662	-0.0937	0.1659	0.30	0.5857
C	1	0.1093	0.0317	0.0471	0.1715	11.87	0.0006
Scale	1	0.8979	0.0288	0.8433	0.9561		
Weibull Shape	1	1.1137	0.0357	1.0459	1.1859		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003755	-0.001952	-0.001951	-0.000914	-0.000040330
A	-0.001952	0.004504	-0.000141	0.000196	0.000019778
M_bin	-0.001951	-0.000141	0.004384	-0.000258	0.000015472
C	-0.000914	0.000196	-0.000258	0.001007	0.000058415
Scale	-0.000040330	0.000019778	0.000015472	0.000058415	0.000828

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1484.46223

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2968.924
AIC (smaller is better)	2978.924
AICC (smaller is better)	2978.985
BIC (smaller is better)	3003.463

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2989.25
Weibull AIC (smaller is better)	-2979.25
Weibull AICC (smaller is better)	-2979.19
Weibull BIC (smaller is better)	-2954.71

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	3.3140	0.0687
M_bin	1	0.3267	0.5676
C	1	2.6074	0.1064

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1327	0.0643	-3.2587	-3.0068	2376.45	<.0001
A	1	0.1308	0.0719	-0.0100	0.2716	3.31	0.0687
M_bin	1	0.0404	0.0707	-0.0982	0.1790	0.33	0.5676
C	1	0.0528	0.0327	-0.0113	0.1170	2.61	0.1064
Scale	1	0.9538	0.0305	0.8958	1.0156		
Weibull Shape	1	1.0484	0.0336	0.9847	1.1163		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004130	-0.002046	-0.002227	-0.000945	-0.000034116
A	-0.002046	0.005163	0.000030911	0.000042332	0.000067268
M_bin	-0.002227	0.000030911	0.005000	-0.000343	0.000029705
C	-0.000945	0.000042332	-0.000343	0.001070	0.000029120
Scale	-0.000034116	0.000067268	0.000029705	0.000029120	0.000933

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1496.467228

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2992.934
AIC (smaller is better)	3002.934
AICC (smaller is better)	3002.995
BIC (smaller is better)	3027.473

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2924.82
Weibull AIC (smaller is better)	-2914.82
Weibull AICC (smaller is better)	-2914.76
Weibull BIC (smaller is better)	-2890.28

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4073	0.5234
M_bin	1	2.6215	0.1054
C	1	16.7913	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2119	0.0656	-3.3404	-3.0833	2398.07	<.0001
A	1	0.0462	0.0724	-0.0957	0.1882	0.41	0.5234
M_bin	1	0.1189	0.0734	-0.0250	0.2629	2.62	0.1054
C	1	0.1467	0.0358	0.0766	0.2169	16.79	<.0001
Scale	1	0.9763	0.0318	0.9159	1.0406		
Weibull Shape	1	1.0243	0.0334	0.9610	1.0918		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004302	-0.002219	-0.002065	-0.000984	-0.000085482
A	-0.002219	0.005247	-0.000438	-0.000017108	0.000014232
M_bin	-0.002065	-0.000438	0.005395	-0.000448	0.000081891
C	-0.000984	-0.000017108	-0.000448	0.001282	0.000103
Scale	-0.000085482	0.000014232	0.000081891	0.000103	0.001011

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1492.99132

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2985.983
AIC (smaller is better)	2995.983
AICC (smaller is better)	2996.043
BIC (smaller is better)	3020.521

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2905.56
Weibull AIC (smaller is better)	-2895.56
Weibull AICC (smaller is better)	-2895.50
Weibull BIC (smaller is better)	-2871.02

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.3160	0.2513
M_bin	1	0.3321	0.5644
C	1	17.0586	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1854	0.0646	-3.3120	-3.0588	2431.64	<.0001
A	1	0.0845	0.0736	-0.0599	0.2288	1.32	0.2513
M_bin	1	0.0426	0.0738	-0.1022	0.1873	0.33	0.5644
C	1	0.1490	0.0361	0.0783	0.2196	17.06	<.0001
Scale	1	0.9792	0.0318	0.9188	1.0435		
Weibull Shape	1	1.0213	0.0331	0.9584	1.0884		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004173	-0.002206	-0.001904	-0.001100	-0.000053340
A	-0.002206	0.005423	-0.000530	0.000147	0.000042464
M_bin	-0.001904	-0.000530	0.005453	-0.000411	0.000030301
C	-0.001100	0.000147	-0.000411	0.001301	0.000089962
Scale	-0.000053340	0.000042464	0.000030301	0.000089962	0.001010

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1463.937311

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2927.875
AIC (smaller is better)	2937.875
AICC (smaller is better)	2937.935
BIC (smaller is better)	2962.413

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3087.79
Weibull AIC (smaller is better)	-3077.79
Weibull AICC (smaller is better)	-3077.73
Weibull BIC (smaller is better)	-3053.25

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	13.1813	0.0003
M_bin	1	3.8218	0.0506
C	1	9.5003	0.0021

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.3165	0.0603	-3.4346	-3.1984	3028.64	<.0001
A	1	0.2541	0.0700	0.1169	0.3912	13.18	0.0003
M_bin	1	0.1359	0.0695	-0.0003	0.2722	3.82	0.0506
C	1	0.1092	0.0354	0.0398	0.1786	9.50	0.0021
Scale	1	0.9283	0.0294	0.8725	0.9878		
Weibull Shape	1	1.0772	0.0341	1.0124	1.1462		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003632	-0.001813	-0.001826	-0.000945	-0.000133
A	-0.001813	0.004898	-0.000062696	0.000006004	0.000123
M_bin	-0.001826	-0.000062696	0.004833	-0.000542	0.000102
C	-0.000945	0.000006004	-0.000542	0.001255	0.000054855
Scale	-0.000133	0.000123	0.000102	0.000054855	0.000864

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1515.008978

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3030.018
AIC (smaller is better)	3040.018
AICC (smaller is better)	3040.078
BIC (smaller is better)	3064.557

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3080.62
Weibull AIC (smaller is better)	-3070.62
Weibull AICC (smaller is better)	-3070.56
Weibull BIC (smaller is better)	-3046.08

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	8.6189	0.0033
M_bin	1	0.2926	0.5886
C	1	13.0083	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2863	0.0652	-3.4141	-3.1584	2537.77	<.0001
A	1	0.2168	0.0738	0.0720	0.3615	8.62	0.0033
M_bin	1	0.0398	0.0735	-0.1043	0.1838	0.29	0.5886
C	1	0.1334	0.0370	0.0609	0.2060	13.01	0.0003
Scale	1	0.9903	0.0315	0.9304	1.0541		
Weibull Shape	1	1.0098	0.0322	0.9487	1.0748		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004256	-0.002049	-0.002165	-0.001076	-0.000124
A	-0.002049	0.005451	-0.000366	0.000017937	0.000126
M_bin	-0.002165	-0.000366	0.005402	-0.000449	0.000043122
C	-0.001076	0.000017937	-0.000449	0.001369	0.000081473
Scale	-0.000124	0.000126	0.000043122	0.000081473	0.000995

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	774
Right Censored Values	226
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1466.592921

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2933.186
AIC (smaller is better)	2943.186
AICC (smaller is better)	2943.246
BIC (smaller is better)	2967.725

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3201.83
Weibull AIC (smaller is better)	-3191.83
Weibull AICC (smaller is better)	-3191.77
Weibull BIC (smaller is better)	-3167.30

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	1.5604	0.2116
M_bin	1	2.0040	0.1569
C	1	6.5061	0.0108

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2267	0.0605	-3.3453	-3.1082	2846.43	<.0001
A	1	0.0830	0.0664	-0.0472	0.2132	1.56	0.2116
M_bin	1	0.0933	0.0659	-0.0359	0.2226	2.00	0.1569
C	1	0.0873	0.0342	0.0202	0.1544	6.51	0.0108
Scale	1	0.9077	0.0284	0.8537	0.9652		
Weibull Shape	1	1.1016	0.0345	1.0361	1.1714		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003658	-0.001829	-0.001749	-0.001031	-0.000095038
A	-0.001829	0.004415	-0.000140	0.000091063	0.000045665
M_bin	-0.001749	-0.000140	0.004348	-0.000298	0.000051263
C	-0.001031	0.000091063	-0.000298	0.001172	0.000046238
Scale	-0.000095038	0.000045665	0.000051263	0.000046238	0.000808

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1492.647683

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2985.295
AIC (smaller is better)	2995.295
AICC (smaller is better)	2995.356
BIC (smaller is better)	3019.834

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3094.33
Weibull AIC (smaller is better)	-3084.33
Weibull AICC (smaller is better)	-3084.27
Weibull BIC (smaller is better)	-3059.79

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	7.8093	0.0052
M_bin	1	0.7385	0.3901
C	1	7.1550	0.0075

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1853	0.0624	-3.3077	-3.0630	2603.63	<.0001
A	1	0.1995	0.0714	0.0596	0.3394	7.81	0.0052
M_bin	1	-0.0610	0.0710	-0.2002	0.0782	0.74	0.3901
C	1	0.0964	0.0360	0.0258	0.1670	7.15	0.0075
Scale	1	0.9544	0.0303	0.8969	1.0156		
Weibull Shape	1	1.0478	0.0332	0.9847	1.1149		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003897	-0.001981	-0.001881	-0.001037	-0.000067342
A	-0.001981	0.005097	-0.000109	0.000071479	0.000115
M_bin	-0.001881	-0.000109	0.005042	-0.000539	-0.000035233
C	-0.001037	0.000071479	-0.000539	0.001298	0.000058157
Scale	-0.000067342	0.000115	-0.000035233	0.000058157	0.000915

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	772
Right Censored Values	228
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1445.953604

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2891.907
AIC (smaller is better)	2901.907
AICC (smaller is better)	2901.968
BIC (smaller is better)	2926.446

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3236.44
Weibull AIC (smaller is better)	-3226.44
Weibull AICC (smaller is better)	-3226.38
Weibull BIC (smaller is better)	-3201.90

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.9636	0.0259
M_bin	1	0.0334	0.8550
C	1	20.9923	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2889	0.0576	-3.4018	-3.1760	3259.56	<.0001
A	1	0.1461	0.0656	0.0176	0.2745	4.96	0.0259
M_bin	1	0.0119	0.0651	-0.1157	0.1395	0.03	0.8550
C	1	0.1448	0.0316	0.0828	0.2067	20.99	<.0001
Scale	1	0.8921	0.0277	0.8394	0.9482		
Weibull Shape	1	1.1209	0.0349	1.0546	1.1913		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003319	-0.001708	-0.001676	-0.000820	-0.000113
A	-0.001708	0.004298	-0.000291	0.000097919	0.000079542
M_bin	-0.001676	-0.000291	0.004237	-0.000306	0.000011634
C	-0.000820	0.000097919	-0.000306	0.000999	0.000069496
Scale	-0.000113	0.000079542	0.000011634	0.000069496	0.000770

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	734
Right Censored Values	266
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1438.438447

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2876.877
AIC (smaller is better)	2886.877
AICC (smaller is better)	2886.937
BIC (smaller is better)	2911.416

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2921.30
Weibull AIC (smaller is better)	-2911.30
Weibull AICC (smaller is better)	-2911.24
Weibull BIC (smaller is better)	-2886.76

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1136	0.7361
M_bin	1	4.1789	0.0409
C	1	11.1525	0.0008

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1835	0.0596	-3.3004	-3.0666	2848.95	<.0001
A	1	0.0232	0.0687	-0.1115	0.1578	0.11	0.7361
M_bin	1	0.1418	0.0694	0.0058	0.2778	4.18	0.0409
C	1	0.1144	0.0343	0.0473	0.1815	11.15	0.0008
Scale	1	0.9090	0.0293	0.8534	0.9683		
Weibull Shape	1	1.1001	0.0355	1.0328	1.1718		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003557	-0.001671	-0.001660	-0.000915	-0.000059607
A	-0.001671	0.004718	-0.000700	0.000032429	0.000008692
M_bin	-0.001660	-0.000700	0.004812	-0.000477	0.000083863
C	-0.000915	0.000032429	-0.000477	0.001173	0.000062492
Scale	-0.000059607	0.000008692	0.000083863	0.000062492	0.000858

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1498.123239

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2996.246
AIC (smaller is better)	3006.246
AICC (smaller is better)	3006.307
BIC (smaller is better)	3030.785

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2967.50
Weibull AIC (smaller is better)	-2957.50
Weibull AICC (smaller is better)	-2957.44
Weibull BIC (smaller is better)	-2932.96

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	0.0274	0.8686
M_bin	1	0.6870	0.4072
C	1	5.5871	0.0181

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1276	0.0686	-3.2620	-2.9931	2078.65	<.0001
A	1	0.0119	0.0720	-0.1292	0.1531	0.03	0.8686
M_bin	1	0.0599	0.0722	-0.0817	0.2015	0.69	0.4072
C	1	0.0862	0.0365	0.0147	0.1576	5.59	0.0181
Scale	1	0.9730	0.0314	0.9135	1.0365		
Weibull Shape	1	1.0277	0.0331	0.9648	1.0947		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004706	-0.002387	-0.002139	-0.001253	-0.000032987
A	-0.002387	0.005186	-0.000173	0.000145	0.000005943
M_bin	-0.002139	-0.000173	0.005220	-0.000369	0.000039972
C	-0.001253	0.000145	-0.000369	0.001329	0.000056788
Scale	-0.000032987	0.000005943	0.000039972	0.000056788	0.000984

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1476.304175

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2952.608
AIC (smaller is better)	2962.608
AICC (smaller is better)	2962.669
BIC (smaller is better)	2987.147

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2926.12
Weibull AIC (smaller is better)	-2916.12
Weibull AICC (smaller is better)	-2916.06
Weibull BIC (smaller is better)	-2891.58

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	0.8217	0.3647
M_bin	1	8.1465	0.0043
C	1	11.6477	0.0006

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2294	0.0636	-3.3541	-3.1047	2576.96	<.0001
A	1	0.0656	0.0724	-0.0763	0.2076	0.82	0.3647
M_bin	1	0.2028	0.0711	0.0635	0.3421	8.15	0.0043
C	1	0.1220	0.0357	0.0519	0.1920	11.65	0.0006
Scale	1	0.9557	0.0309	0.8970	1.0183		
Weibull Shape	1	1.0463	0.0339	0.9820	1.1148		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004047	-0.001908	-0.002168	-0.001145	-0.000080131
A	-0.001908	0.005244	-0.000300	-0.000012388	0.000029412
M_bin	-0.002168	-0.000300	0.005049	-0.000045741	0.000125
C	-0.001145	-0.000012388	-0.000045741	0.001277	0.000073529
Scale	-0.000080131	0.000029412	0.000125	0.000073529	0.000956

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA175
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1517.219831

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3034.440
AIC (smaller is better)	3044.440
AICC (smaller is better)	3044.500
BIC (smaller is better)	3068.978

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3110.86
Weibull AIC (smaller is better)	-3100.86
Weibull AICC (smaller is better)	-3100.80
Weibull BIC (smaller is better)	-3076.32

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.1659	0.2802
M_bin	1	4.9590	0.0260
C	1	9.7141	0.0018

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2817	0.0662	-3.4116	-3.1519	2453.81	<.0001
A	1	0.0786	0.0728	-0.0641	0.2214	1.17	0.2802
M_bin	1	0.1626	0.0730	0.0195	0.3058	4.96	0.0260
C	1	0.1098	0.0352	0.0408	0.1788	9.71	0.0018
Scale	1	0.9869	0.0313	0.9274	1.0502		
Weibull Shape	1	1.0133	0.0322	0.9522	1.0783		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004389	-0.002328	-0.002011	-0.001159	-0.000112
A	-0.002328	0.005305	-0.000041169	0.000110	0.000066375
M_bin	-0.002011	-0.000041169	0.005333	-0.000384	0.000096299
C	-0.001159	0.000110	-0.000384	0.001241	0.000060507
Scale	-0.000112	0.000066375	0.000096299	0.000060507	0.000981

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1506.378736

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3012.757
AIC (smaller is better)	3022.757
AICC (smaller is better)	3022.818
BIC (smaller is better)	3047.296

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2948.74
Weibull AIC (smaller is better)	-2938.74
Weibull AICC (smaller is better)	-2938.68
Weibull BIC (smaller is better)	-2914.20

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8846	0.3470
M_bin	1	2.1654	0.1411
C	1	12.8752	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2247	0.0692	-3.3604	-3.0891	2171.46	<.0001
A	1	0.0710	0.0755	-0.0770	0.2191	0.88	0.3470
M_bin	1	0.1097	0.0745	-0.0364	0.2557	2.17	0.1411
C	1	0.1335	0.0372	0.0606	0.2065	12.88	0.0003
Scale	1	0.9985	0.0322	0.9374	1.0637		
Weibull Shape	1	1.0015	0.0323	0.9401	1.0668		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004789	-0.002581	-0.002287	-0.001317	-0.000080476
A	-0.002581	0.005706	0.000015514	0.000274	0.000043570
M_bin	-0.002287	0.000015514	0.005555	-0.000346	0.000082325
C	-0.001317	0.000274	-0.000346	0.001385	0.000083099
Scale	-0.000080476	0.000043570	0.000082325	0.000083099	0.001036

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1469.39155

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2938.783
AIC (smaller is better)	2948.783
AICC (smaller is better)	2948.843
BIC (smaller is better)	2973.322

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2992.54
Weibull AIC (smaller is better)	-2982.54
Weibull AICC (smaller is better)	-2982.48
Weibull BIC (smaller is better)	-2958.00

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	2.8797	0.0897
M_bin	1	0.7118	0.3989
C	1	6.5028	0.0108

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1701	0.0618	-3.2912	-3.0490	2631.82	<.0001
A	1	0.1172	0.0690	-0.0182	0.2525	2.88	0.0897
M_bin	1	0.0585	0.0693	-0.0774	0.1944	0.71	0.3989
C	1	0.0850	0.0333	0.0197	0.1504	6.50	0.0108
Scale	1	0.9292	0.0299	0.8724	0.9898		
Weibull Shape	1	1.0762	0.0346	1.0104	1.1463		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003818	-0.001984	-0.001960	-0.000873	-0.000041526
A	-0.001984	0.004766	-0.000061083	0.000021291	0.000057196
M_bin	-0.001960	-0.000061083	0.004806	-0.000431	0.000027057
C	-0.000873	0.000021291	-0.000431	0.001112	0.000046209
Scale	-0.000041526	0.000057196	0.000027057	0.000046209	0.000895

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	728
Right Censored Values	272
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1460.771897

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2921.544
AIC (smaller is better)	2931.544
AICC (smaller is better)	2931.604
BIC (smaller is better)	2956.083

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2865.28
Weibull AIC (smaller is better)	-2855.28
Weibull AICC (smaller is better)	-2855.21
Weibull BIC (smaller is better)	-2830.74

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.0254	0.8733
M_bin	1	2.3116	0.1284
C	1	23.7307	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1863	0.0636	-3.3110	-3.0617	2510.66	<.0001
A	1	-0.0113	0.0708	-0.1501	0.1275	0.03	0.8733
M_bin	1	0.1071	0.0704	-0.0310	0.2452	2.31	0.1284
C	1	0.1760	0.0361	0.1052	0.2468	23.73	<.0001
Scale	1	0.9402	0.0307	0.8820	1.0023		
Weibull Shape	1	1.0636	0.0347	0.9977	1.1338		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004044	-0.001864	-0.002035	-0.001078	-0.000053430
A	-0.001864	0.005017	-0.000437	-0.000041745	-0.000002590
M_bin	-0.002035	-0.000437	0.004962	-0.000277	0.000054673
C	-0.001078	-0.000041745	-0.000277	0.001305	0.000095943
Scale	-0.000053430	-0.000002590	0.000054673	0.000095943	0.000940

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1481.187125

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2962.374
AIC (smaller is better)	2972.374
AICC (smaller is better)	2972.435
BIC (smaller is better)	2996.913

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3065.58
Weibull AIC (smaller is better)	-3055.58
Weibull AICC (smaller is better)	-3055.52
Weibull BIC (smaller is better)	-3031.04

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	0.0046	0.9458
M_bin	1	0.4780	0.4893
C	1	17.9307	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2055	0.0624	-3.3278	-3.0831	2636.95	<.0001
A	1	0.0047	0.0697	-0.1319	0.1413	0.00	0.9458
M_bin	1	0.0483	0.0698	-0.0886	0.1851	0.48	0.4893
C	1	0.1495	0.0353	0.0803	0.2187	17.93	<.0001
Scale	1	0.9453	0.0301	0.8881	1.0062		
Weibull Shape	1	1.0578	0.0337	0.9938	1.1260		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003897	-0.001976	-0.001862	-0.001039	-0.000072870
A	-0.001976	0.004858	-0.000239	-0.000006604	0.000004034
M_bin	-0.001862	-0.000239	0.004872	-0.000316	0.000040362
C	-0.001039	-0.000006604	-0.000316	0.001247	0.000079368
Scale	-0.000072870	0.000004034	0.000040362	0.000079368	0.000906

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1470.552869

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2941.106
AIC (smaller is better)	2951.106
AICC (smaller is better)	2951.166
BIC (smaller is better)	2975.645

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2970.72
Weibull AIC (smaller is better)	-2960.72
Weibull AICC (smaller is better)	-2960.66
Weibull BIC (smaller is better)	-2936.18

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	9.9095	0.0016
M_bin	1	1.2274	0.2679
C	1	13.5538	0.0002

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2488	0.0621	-3.3704	-3.1271	2740.44	<.0001
A	1	0.2270	0.0721	0.0857	0.3683	9.91	0.0016
M_bin	1	0.0776	0.0700	-0.0597	0.2149	1.23	0.2679
C	1	0.1260	0.0342	0.0589	0.1931	13.55	0.0002
Scale	1	0.9445	0.0304	0.8868	1.0060		
Weibull Shape	1	1.0587	0.0340	0.9941	1.1276		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003851	-0.001791	-0.002097	-0.001001	-0.000117
A	-0.001791	0.005198	-0.000492	0.000077978	0.000159
M_bin	-0.002097	-0.000492	0.004905	-0.000197	0.000042134
C	-0.001001	0.000077978	-0.000197	0.001172	0.000083260
Scale	-0.000117	0.000159	0.000042134	0.000083260	0.000923

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1511.789076

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3023.578
AIC (smaller is better)	3033.578
AICC (smaller is better)	3033.639
BIC (smaller is better)	3058.117

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3133.15
Weibull AIC (smaller is better)	-3123.15
Weibull AICC (smaller is better)	-3123.09
Weibull BIC (smaller is better)	-3098.61

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	3.5016	0.0613
M_bin	1	0.6664	0.4143
C	1	15.7591	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2783	0.0626	-3.4010	-3.1555	2741.43	<.0001
A	1	0.1361	0.0728	-0.0065	0.2788	3.50	0.0613
M_bin	1	0.0589	0.0722	-0.0825	0.2004	0.67	0.4143
C	1	0.1359	0.0342	0.0688	0.2030	15.76	<.0001
Scale	1	0.9800	0.0310	0.9211	1.0427		
Weibull Shape	1	1.0204	0.0323	0.9591	1.0857		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003920	-0.001879	-0.001990	-0.000966	-0.000115
A	-0.001879	0.005294	-0.000594	-0.000033458	0.000090917
M_bin	-0.001990	-0.000594	0.005209	-0.000281	0.000034600
C	-0.000966	-0.000033458	-0.000281	0.001172	0.000076061
Scale	-0.000115	0.000090917	0.000034600	0.000076061	0.000961

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1501.108942

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3002.218
AIC (smaller is better)	3012.218
AICC (smaller is better)	3012.278
BIC (smaller is better)	3036.757

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3168.93
Weibull AIC (smaller is better)	-3158.93
Weibull AICC (smaller is better)	-3158.87
Weibull BIC (smaller is better)	-3134.39

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.5005	0.2206
M_bin	1	3.1468	0.0761
C	1	3.4516	0.0632

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2225	0.0626	-3.3453	-3.0997	2646.88	<.0001
A	1	0.0856	0.0699	-0.0514	0.2227	1.50	0.2206
M_bin	1	0.1239	0.0699	-0.0130	0.2608	3.15	0.0761
C	1	0.0619	0.0333	-0.0034	0.1273	3.45	0.0632
Scale	1	0.9519	0.0300	0.8949	1.0124		
Weibull Shape	1	1.0506	0.0331	0.9877	1.1174		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003923	-0.001928	-0.001832	-0.001008	-0.000082097
A	-0.001928	0.004889	-0.000418	0.000085603	0.000027616
M_bin	-0.001832	-0.000418	0.004880	-0.000364	0.000070629
C	-0.001008	0.000085603	-0.000364	0.001111	0.000038234
Scale	-0.000082097	0.000027616	0.000070629	0.000038234	0.000898

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1483.249723

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2966.499
AIC (smaller is better)	2976.499
AICC (smaller is better)	2976.560
BIC (smaller is better)	3001.038

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3079.58
Weibull AIC (smaller is better)	-3069.58
Weibull AICC (smaller is better)	-3069.52
Weibull BIC (smaller is better)	-3045.04

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.0379	0.0248
M_bin	1	0.1560	0.6928
C	1	15.0447	0.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2357	0.0606	-3.3545	-3.1169	2848.41	<.0001
A	1	0.1590	0.0708	0.0202	0.2978	5.04	0.0248
M_bin	1	0.0275	0.0697	-0.1091	0.1641	0.16	0.6928
C	1	0.1310	0.0338	0.0648	0.1971	15.04	0.0001
Scale	1	0.9417	0.0300	0.8848	1.0024		
Weibull Shape	1	1.0619	0.0338	0.9976	1.1302		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003676	-0.001946	-0.001808	-0.000960	-0.000087699
A	-0.001946	0.005017	-0.000365	0.000200	0.000073454
M_bin	-0.001808	-0.000365	0.004858	-0.000379	0.000017703
C	-0.000960	0.000200	-0.000379	0.001140	0.000078325
Scale	-0.000087699	0.000073454	0.000017703	0.000078325	0.000899

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA184
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	787
Right Censored Values	213
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1460.419019

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2920.838
AIC (smaller is better)	2930.838
AICC (smaller is better)	2930.898
BIC (smaller is better)	2955.377

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3285.25
Weibull AIC (smaller is better)	-3275.25
Weibull AICC (smaller is better)	-3275.19
Weibull BIC (smaller is better)	-3250.71

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.6021	0.0179
M_bin	1	0.1083	0.7421
C	1	12.7962	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2565	0.0556	-3.3655	-3.1476	3429.61	<.0001
A	1	0.1543	0.0652	0.0265	0.2821	5.60	0.0179
M_bin	1	0.0214	0.0650	-0.1060	0.1488	0.11	0.7421
C	1	0.1171	0.0327	0.0530	0.1813	12.80	0.0003
Scale	1	0.8907	0.0277	0.8379	0.9467		
Weibull Shape	1	1.1228	0.0350	1.0563	1.1934		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003092	-0.001607	-0.001456	-0.000837	-0.000116
A	-0.001607	0.004251	-0.000337	0.000081663	0.000083311
M_bin	-0.001456	-0.000337	0.004227	-0.000398	0.000018271
C	-0.000837	0.000081663	-0.000398	0.001072	0.000056576
Scale	-0.000116	0.000083311	0.000018271	0.000056576	0.000769

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA185
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1464.072392

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2928.145
AIC (smaller is better)	2938.145
AICC (smaller is better)	2938.205
BIC (smaller is better)	2962.684

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3140.21
Weibull AIC (smaller is better)	-3130.21
Weibull AICC (smaller is better)	-3130.15
Weibull BIC (smaller is better)	-3105.67

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.4634	0.4960
M_bin	1	1.3710	0.2416
C	1	7.6242	0.0058

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1954	0.0599	-3.3127	-3.0780	2847.06	<.0001
A	1	0.0454	0.0666	-0.0852	0.1760	0.46	0.4960
M_bin	1	0.0790	0.0675	-0.0533	0.2113	1.37	0.2416
C	1	0.0918	0.0333	0.0266	0.1570	7.62	0.0058
Scale	1	0.9117	0.0287	0.8572	0.9696		
Weibull Shape	1	1.0969	0.0345	1.0313	1.1666		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003586	-0.001843	-0.001615	-0.000913	-0.000072333
A	-0.001843	0.004440	-0.000380	0.000081645	0.000011870
M_bin	-0.001615	-0.000380	0.004555	-0.000447	0.000047099
C	-0.000913	0.000081645	-0.000447	0.001106	0.000047710
Scale	-0.000072333	0.000011870	0.000047099	0.000047710	0.000822

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1499.50274

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2999.005
AIC (smaller is better)	3009.005
AICC (smaller is better)	3009.066
BIC (smaller is better)	3033.544

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3027.53
Weibull AIC (smaller is better)	-3017.53
Weibull AICC (smaller is better)	-3017.47
Weibull BIC (smaller is better)	-2992.99

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.4467	0.2291
M_bin	1	2.0571	0.1515
C	1	7.1290	0.0076

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2056	0.0668	-3.3366	-3.0747	2302.58	<.0001
A	1	0.0867	0.0721	-0.0546	0.2280	1.45	0.2291
M_bin	1	0.1025	0.0715	-0.0376	0.2426	2.06	0.1515
C	1	0.0929	0.0348	0.0247	0.1611	7.13	0.0076
Scale	1	0.9717	0.0311	0.9126	1.0345		
Weibull Shape	1	1.0292	0.0329	0.9666	1.0957		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004463	-0.002249	-0.002397	-0.001071	-0.000062925
A	-0.002249	0.005196	0.000050279	0.000049209	0.000038971
M_bin	-0.002397	0.000050279	0.005110	-0.000236	0.000067626
C	-0.001071	0.000049209	-0.000236	0.001211	0.000048514
Scale	-0.000062925	0.000038971	0.000067626	0.000048514	0.000965

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1457.14963

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2914.299
AIC (smaller is better)	2924.299
AICC (smaller is better)	2924.360
BIC (smaller is better)	2948.838

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3087.67
Weibull AIC (smaller is better)	-3077.67
Weibull AICC (smaller is better)	-3077.61
Weibull BIC (smaller is better)	-3053.13

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	5.9514	0.0147
M_bin	1	1.4910	0.2221
C	1	18.7612	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2849	0.0595	-3.4015	-3.1684	3051.39	<.0001
A	1	0.1646	0.0675	0.0324	0.2968	5.95	0.0147
M_bin	1	0.0823	0.0674	-0.0498	0.2144	1.49	0.2221
C	1	0.1463	0.0338	0.0801	0.2125	18.76	<.0001
Scale	1	0.9120	0.0289	0.8570	0.9705		
Weibull Shape	1	1.0965	0.0348	1.0304	1.1668		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003536	-0.001804	-0.001678	-0.000949	-0.000116
A	-0.001804	0.004551	-0.000377	0.000066679	0.000079377
M_bin	-0.001678	-0.000377	0.004541	-0.000314	0.000059902
C	-0.000949	0.000066679	-0.000314	0.001141	0.000075694
Scale	-0.000116	0.000079377	0.000059902	0.000075694	0.000837

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1000
Noncensored Values	772
Right Censored Values	228
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-1471.476774

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2942.954
AIC (smaller is better)	2952.954
AICC (smaller is better)	2953.014
BIC (smaller is better)	2977.492

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3197.94
Weibull AIC (smaller is better)	-3187.94
Weibull AICC (smaller is better)	-3187.88
Weibull BIC (smaller is better)	-3163.40

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.3730	0.5414
M_bin	1	0.0139	0.9062
C	1	8.2851	0.0040

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1798	0.0588	-3.2950	-3.0646	2927.64	<.0001
A	1	0.0411	0.0672	-0.0907	0.1729	0.37	0.5414
M_bin	1	0.0080	0.0675	-0.1244	0.1403	0.01	0.9062
C	1	0.0963	0.0335	0.0307	0.1619	8.29	0.0040
Scale	1	0.9165	0.0287	0.8620	0.9744		
Weibull Shape	1	1.0911	0.0341	1.0262	1.1601		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003454	-0.001730	-0.001687	-0.000862	-0.000060820
A	-0.001730	0.004522	-0.000314	0.000035025	0.000016401
M_bin	-0.001687	-0.000314	0.004557	-0.000453	0.000010077
C	-0.000862	0.000035025	-0.000453	0.001120	0.000045577
Scale	-0.000060820	0.000016401	0.000010077	0.000045577	0.000821

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1501.440963

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3002.882
AIC (smaller is better)	3012.882
AICC (smaller is better)	3012.942
BIC (smaller is better)	3037.421

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3077.25
Weibull AIC (smaller is better)	-3067.25
Weibull AICC (smaller is better)	-3067.19
Weibull BIC (smaller is better)	-3042.71

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.9696	0.1605
M_bin	1	0.2539	0.6143
C	1	17.2865	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2306	0.0637	-3.3555	-3.1057	2570.30	<.0001
A	1	0.1004	0.0715	-0.0398	0.2406	1.97	0.1605
M_bin	1	0.0358	0.0710	-0.1034	0.1750	0.25	0.6143
C	1	0.1396	0.0336	0.0738	0.2055	17.29	<.0001
Scale	1	0.9679	0.0308	0.9093	1.0303		
Weibull Shape	1	1.0332	0.0329	0.9706	1.0998		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004061	-0.002164	-0.002120	-0.000961	-0.000083838
A	-0.002164	0.005116	-0.000114	0.000080946	0.000069268
M_bin	-0.002120	-0.000114	0.005043	-0.000264	0.000010804
C	-0.000961	0.000080946	-0.000264	0.001128	0.000077435
Scale	-0.000083838	0.000069268	0.000010804	0.000077435	0.000952

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1456.640458

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2913.281
AIC (smaller is better)	2923.281
AICC (smaller is better)	2923.341
BIC (smaller is better)	2947.820

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3037.93
Weibull AIC (smaller is better)	-3027.93
Weibull AICC (smaller is better)	-3027.87
Weibull BIC (smaller is better)	-3003.39

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	5.6614	0.0173
M_bin	1	0.2150	0.6429
C	1	9.0552	0.0026

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1999	0.0619	-3.3211	-3.0787	2676.30	<.0001
A	1	0.1596	0.0671	0.0281	0.2911	5.66	0.0173
M_bin	1	0.0315	0.0680	-0.1018	0.1648	0.22	0.6429
C	1	0.1001	0.0333	0.0349	0.1653	9.06	0.0026
Scale	1	0.9126	0.0290	0.8574	0.9713		
Weibull Shape	1	1.0958	0.0349	1.0295	1.1664		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003826	-0.001886	-0.001927	-0.000872	-0.000076917
A	-0.001886	0.004501	-0.000146	-0.000004462	0.000082008
M_bin	-0.001927	-0.000146	0.004625	-0.000453	0.000015961
C	-0.000872	-0.000004462	-0.000453	0.001107	0.000051939
Scale	-0.000076917	0.000082008	0.000015961	0.000051939	0.000844

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1502.338172

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3004.676
AIC (smaller is better)	3014.676
AICC (smaller is better)	3014.737
BIC (smaller is better)	3039.215

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3095.26
Weibull AIC (smaller is better)	-3085.26
Weibull AICC (smaller is better)	-3085.20
Weibull BIC (smaller is better)	-3060.73

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Chi-Square	Pr > ChiSq
A	1	0.3443	0.5574
M_bin	1	0.3505	0.5539
C	1	17.9957	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1513	0.0647	-3.2780	-3.0245	2373.97	<.0001
A	1	-0.0420	0.0716	-0.1823	0.0983	0.34	0.5574
M_bin	1	-0.0423	0.0714	-0.1822	0.0977	0.35	0.5539
C	1	0.1487	0.0351	0.0800	0.2174	18.00	<.0001
Scale	1	0.9696	0.0308	0.9111	1.0318		
Weibull Shape	1	1.0314	0.0327	0.9692	1.0976		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004183	-0.002174	-0.002061	-0.001046	-0.000041492
A	-0.002174	0.005123	-0.000233	0.000132	-0.000045668
M_bin	-0.002061	-0.000233	0.005098	-0.000379	-0.000016570
C	-0.001046	0.000132	-0.000379	0.001229	0.000089772
Scale	-0.000041492	-0.000045668	-0.000016570	0.000089772	0.000947

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1493.591974

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2987.184
AIC (smaller is better)	2997.184
AICC (smaller is better)	2997.244
BIC (smaller is better)	3021.723

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3130.33
Weibull AIC (smaller is better)	-3120.33
Weibull AICC (smaller is better)	-3120.27
Weibull BIC (smaller is better)	-3095.80

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.8140	0.3669
M_bin	1	0.0998	0.7521
C	1	9.3832	0.0022

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1921	0.0634	-3.3163	-3.0679	2535.79	<.0001
A	1	0.0622	0.0690	-0.0729	0.1974	0.81	0.3669
M_bin	1	0.0219	0.0693	-0.1139	0.1576	0.10	0.7521
C	1	0.1012	0.0330	0.0364	0.1659	9.38	0.0022
Scale	1	0.9461	0.0299	0.8892	1.0066		
Weibull Shape	1	1.0570	0.0334	0.9934	1.1246		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004018	-0.002027	-0.001980	-0.000942	-0.000059671
A	-0.002027	0.004755	-0.000159	-0.000012316	0.000013366
M_bin	-0.001980	-0.000159	0.004798	-0.000326	0.000023405
C	-0.000942	-0.000012316	-0.000326	0.001091	0.000052735
Scale	-0.000059671	0.000013366	0.000023405	0.000052735	0.000896

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1464.853504

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2929.707
AIC (smaller is better)	2939.707
AICC (smaller is better)	2939.767
BIC (smaller is better)	2964.246

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3033.57
Weibull AIC (smaller is better)	-3023.57
Weibull AICC (smaller is better)	-3023.51
Weibull BIC (smaller is better)	-2999.03

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	1.4945	0.2215
M_bin	1	3.5406	0.0599
C	1	12.8893	0.0003

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2376	0.0625	-3.3601	-3.1152	2684.93	<.0001
A	1	0.0834	0.0682	-0.0503	0.2170	1.49	0.2215
M_bin	1	0.1281	0.0681	-0.0053	0.2615	3.54	0.0599
C	1	0.1239	0.0345	0.0563	0.1916	12.89	0.0003
Scale	1	0.9234	0.0295	0.8674	0.9830		
Weibull Shape	1	1.0830	0.0346	1.0173	1.1529		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003904	-0.001986	-0.001906	-0.001027	-0.000099857
A	-0.001986	0.004651	-0.000279	0.000105	0.000061227
M_bin	-0.001906	-0.000279	0.004633	-0.000272	0.000067128
C	-0.001027	0.000105	-0.000272	0.001192	0.000073092
Scale	-0.000099857	0.000061227	0.000067128	0.000073092	0.000869

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1496.762765

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2993.526
AIC (smaller is better)	3003.526
AICC (smaller is better)	3003.586
BIC (smaller is better)	3028.064

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3003.83
Weibull AIC (smaller is better)	-2993.83
Weibull AICC (smaller is better)	-2993.77
Weibull BIC (smaller is better)	-2969.29

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.8503	0.0089
M_bin	1	0.5058	0.4770
C	1	10.7583	0.0010

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2376	0.0671	-3.3691	-3.1062	2330.09	<.0001
A	1	0.1888	0.0721	0.0474	0.3301	6.85	0.0089
M_bin	1	0.0512	0.0721	-0.0900	0.1925	0.51	0.4770
C	1	0.1168	0.0356	0.0470	0.1866	10.76	0.0010
Scale	1	0.9713	0.0311	0.9121	1.0343		
Weibull Shape	1	1.0296	0.0330	0.9669	1.0964		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004499	-0.002342	-0.002230	-0.001111	-0.000098654
A	-0.002342	0.005202	-0.000174	0.000194	0.000109
M_bin	-0.002230	-0.000174	0.005191	-0.000381	0.000040156
C	-0.001111	0.000194	-0.000381	0.001269	0.000070353
Scale	-0.000098654	0.000109	0.000040156	0.000070353	0.000970

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1478.64941

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2957.299
AIC (smaller is better)	2967.299
AICC (smaller is better)	2967.359
BIC (smaller is better)	2991.838

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3173.28
Weibull AIC (smaller is better)	-3163.28
Weibull AICC (smaller is better)	-3163.22
Weibull BIC (smaller is better)	-3138.74

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	4.9739	0.0257
M_bin	1	1.1220	0.2895
C	1	11.3536	0.0008

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2842	0.0620	-3.4058	-3.1627	2805.08	<.0001
A	1	0.1541	0.0691	0.0187	0.2896	4.97	0.0257
M_bin	1	0.0728	0.0687	-0.0619	0.2076	1.12	0.2895
C	1	0.1141	0.0339	0.0477	0.1804	11.35	0.0008
Scale	1	0.9361	0.0293	0.8804	0.9954		
Weibull Shape	1	1.0682	0.0335	1.0046	1.1359		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.003845	-0.002001	-0.001962	-0.000951	-0.000112
A	-0.002001	0.004777	0.000066609	0.000044014	0.000077063
M_bin	-0.001962	0.000066609	0.004726	-0.000387	0.000036696
C	-0.000951	0.000044014	-0.000387	0.001146	0.000065208
Scale	-0.000112	0.000077063	0.000036696	0.000065208	0.000860

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1506.686788

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3013.374
AIC (smaller is better)	3023.374
AICC (smaller is better)	3023.434
BIC (smaller is better)	3047.912

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2886.26
Weibull AIC (smaller is better)	-2876.26
Weibull AICC (smaller is better)	-2876.20
Weibull BIC (smaller is better)	-2851.73

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.1286	0.7199
M_bin	1	0.2892	0.5907
C	1	8.2700	0.0040

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1168	0.0666	-3.2473	-2.9863	2190.95	<.0001
A	1	0.0269	0.0751	-0.1202	0.1741	0.13	0.7199
M_bin	1	0.0406	0.0755	-0.1074	0.1886	0.29	0.5907
C	1	0.1053	0.0366	0.0335	0.1771	8.27	0.0040
Scale	1	0.9945	0.0324	0.9330	1.0601		
Weibull Shape	1	1.0055	0.0328	0.9433	1.0718		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004434	-0.002192	-0.001979	-0.001158	-0.000014327
A	-0.002192	0.005635	-0.000780	0.000134	0.000014775
M_bin	-0.001979	-0.000780	0.005700	-0.000480	0.000043131
C	-0.001158	0.000134	-0.000480	0.001341	0.000062765
Scale	-0.000014327	0.000014775	0.000043131	0.000062765	0.001051

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1484.218102

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2968.436
AIC (smaller is better)	2978.436
AICC (smaller is better)	2978.497
BIC (smaller is better)	3002.975

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2915.99
Weibull AIC (smaller is better)	-2905.99
Weibull AICC (smaller is better)	-2905.93
Weibull BIC (smaller is better)	-2881.45

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	7.5906	0.0059
M_bin	1	0.5431	0.4611
C	1	7.8497	0.0051

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.1936	0.0647	-3.3204	-3.0668	2436.88	<.0001
A	1	0.1988	0.0722	0.0574	0.3403	7.59	0.0059
M_bin	1	0.0529	0.0718	-0.0878	0.1936	0.54	0.4611
C	1	0.0970	0.0346	0.0292	0.1649	7.85	0.0051
Scale	1	0.9635	0.0312	0.9043	1.0267		
Weibull Shape	1	1.0378	0.0336	0.9740	1.1059		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004185	-0.002171	-0.002127	-0.001023	-0.000054880
A	-0.002171	0.005208	-0.000119	0.000034371	0.000120
M_bin	-0.002127	-0.000119	0.005155	-0.000301	0.000019089
C	-0.001023	0.000034371	-0.000301	0.001200	0.000057488
Scale	-0.000054880	0.000120	0.000019089	0.000057488	0.000974

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1496.974093

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2993.948
AIC (smaller is better)	3003.948
AICC (smaller is better)	3004.009
BIC (smaller is better)	3028.487

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3023.78
Weibull AIC (smaller is better)	-3013.78
Weibull AICC (smaller is better)	-3013.72
Weibull BIC (smaller is better)	-2989.24

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	0.2398	0.6244
M_bin	1	1.2171	0.2699
C	1	23.7962	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2411	0.0650	-3.3684	-3.1137	2487.70	<.0001
A	1	0.0353	0.0721	-0.1060	0.1766	0.24	0.6244
M_bin	1	0.0797	0.0722	-0.0619	0.2213	1.22	0.2699
C	1	0.1716	0.0352	0.1026	0.2405	23.80	<.0001
Scale	1	0.9721	0.0311	0.9130	1.0351		
Weibull Shape	1	1.0286	0.0329	0.9661	1.0953		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004223	-0.002181	-0.002190	-0.000981	-0.000088007
A	-0.002181	0.005199	-0.000289	0.000115	0.000001073
M_bin	-0.002190	-0.000289	0.005217	-0.000395	0.000053003
C	-0.000981	0.000115	-0.000395	0.001237	0.000102
Scale	-0.000088007	0.000001073	0.000053003	0.000102	0.000969

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1483.676573

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	2967.353
AIC (smaller is better)	2977.353
AICC (smaller is better)	2977.414
BIC (smaller is better)	3001.892

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2954.69
Weibull AIC (smaller is better)	-2944.69
Weibull AICC (smaller is better)	-2944.63
Weibull BIC (smaller is better)	-2920.15

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	6.0741	0.0137
M_bin	1	0.1300	0.7184
C	1	16.1391	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2142	0.0639	-3.3395	-3.0889	2528.75	<.0001
A	1	0.1744	0.0708	0.0357	0.3131	6.07	0.0137
M_bin	1	0.0253	0.0702	-0.1123	0.1630	0.13	0.7184
C	1	0.1439	0.0358	0.0737	0.2141	16.14	<.0001
Scale	1	0.9482	0.0307	0.8900	1.0103		
Weibull Shape	1	1.0546	0.0341	0.9898	1.1236		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004085	-0.001905	-0.002032	-0.001102	-0.000082539
A	-0.001905	0.005008	-0.000435	0.000005302	0.000114
M_bin	-0.002032	-0.000435	0.004931	-0.000255	0.000022062
C	-0.001102	0.000005302	-0.000255	0.001283	0.000073329
Scale	-0.000082539	0.000114	0.000022062	0.000073329	0.000941

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Log(Ycen_noint)
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	5
Name of Distribution	Weibull
Log Likelihood	-1524.460527

Number of Observations Read	1000
Number of Observations Used	1000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	3048.921
AIC (smaller is better)	3058.921
AICC (smaller is better)	3058.981
BIC (smaller is better)	3083.460

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-3132.17
Weibull AIC (smaller is better)	-3122.17
Weibull AICC (smaller is better)	-3122.11
Weibull BIC (smaller is better)	-3097.63

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	7.2542	0.0071
M_bin	1	0.2983	0.5850
C	1	12.2696	0.0005

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2893	0.0659	-3.4186	-3.1601	2489.41	<.0001
A	1	0.1985	0.0737	0.0541	0.3430	7.25	0.0071
M_bin	1	0.0399	0.0730	-0.1033	0.1830	0.30	0.5850
C	1	0.1265	0.0361	0.0557	0.1973	12.27	0.0005
Scale	1	0.9944	0.0315	0.9344	1.0582		
Weibull Shape	1	1.0057	0.0319	0.9450	1.0702		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.004346	-0.002087	-0.002080	-0.001191	-0.000128
A	-0.002087	0.005434	-0.000630	0.000106	0.000114
M_bin	-0.002080	-0.000630	0.005334	-0.000247	0.000029185
C	-0.001191	0.000106	-0.000247	0.001305	0.000082468
Scale	-0.000128	0.000114	0.000029185	0.000082468	0.000995

The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_noint)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	100000
Noncensored Values	75010
Right Censored Values	24990
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	5
Name of Distribution	Weibull
Log Likelihood	-147886.6238

Number of Observations Read	100000
Number of Observations Used	100000

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_bin	M_bin
C	C

Fit Statistics	
-2 Log Likelihood	295773.2
AIC (smaller is better)	295783.2
AICC (smaller is better)	295783.2
BIC (smaller is better)	295830.8

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-303673
Weibull AIC (smaller is better)	-303663
Weibull AICC (smaller is better)	-303663
Weibull BIC (smaller is better)	-303615

Algorithm converged.

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	1	262.9560	<.0001
M_bin	1	80.5051	<.0001
C	1	1180.0105	<.0001

The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.2156	0.0063	-3.2279	-3.2034	263981	<.0001
A	1	0.1134	0.0070	0.0997	0.1271	262.96	<.0001
M_bin	1	0.0625	0.0070	0.0489	0.0762	80.51	<.0001
C	1	0.1176	0.0034	0.1109	0.1243	1180.01	<.0001
Scale	1	0.9422	0.0030	0.9363	0.9481		
Weibull Shape	1	1.0614	0.0034	1.0547	1.0680		

Estimated Covariance Matrix					
	Intercept	A	M_bin	C	Scale
Intercept	0.000039170	-0.000019799	-0.000019489	-0.000009869	-0.000000799
A	-0.000019799	0.000048908	-0.000002561	0.000000751	0.000000597
M_bin	-0.000019489	-0.000002561	0.000048534	-0.000003480	0.000000374
C	-0.000009869	0.000000751	-0.000003480	0.000011715	0.000000671
Scale	-0.000000799	0.000000597	0.000000374	0.000000671	0.000009045

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	50644
2	0	49356

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	138614.85	136240.63
SC	138624.36	136269.17
-2 Log L	138612.85	136234.63

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2378.2189	2	<.0001	
Score	2352.3108	2	<.0001	
Wald	2301.6133	2	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-0.3561	0.0107	1101.5148	<.0001
A	1	0.1960	0.0129	229.3703	<.0001
C	1	0.2911	0.00636	2095.3967	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.216	1.186	1.248
C	1.338	1.321	1.355

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	2499585264	c	0.592

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.12306	0.086891	0.98718	1.32964
2	marginal pnde	1.12306	0.086891	0.98718	1.32964
3	marginal pnie	1.00300	0.004571	0.99490	1.01510
4	marginal tnde	1.12306	0.086891	0.98718	1.32964
5	marginal tnie	1.00300	0.004571	0.99490	1.01510
6	marginal total effect	1.12639	0.086826	0.98646	1.34407
7	conditional cde	1.12306	0.086891	0.98718	1.32964
8	conditional pnde	1.12306	0.086891	0.98718	1.32964
9	conditional pnie	1.00300	0.004573	0.99490	1.01511
10	conditional tnde	1.12306	0.086891	0.98718	1.32964
11	conditional tnie	1.00300	0.004573	0.99490	1.01511
12	conditional total effect	1.12639	0.086825	0.98646	1.34408