

## The REG Procedure

Model: MODEL1

Dependent Variable: Y\_cont\_int

Number of Observations Read	1000
Number of Observations Used	1000

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	30.23039	7.55760	7.38	<.0001
Error	995	1019.01338	1.02413		
Corrected Total	999	1049.24378			

Root MSE	1.01200	R-Square	0.0288
Dependent Mean	-3.02355	Adj R-Sq	0.0249
Coeff Var	-33.47040		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-3.10800	0.05351	-58.08	<.0001
A	1	0.01847	0.06514	0.28	0.7768
M_cont	1	0.08415	0.04119	2.04	0.0413
int	1	0.10699	0.06058	1.77	0.0777
C	1	0.06148	0.03170	1.94	0.0527

Obs	Intercept	A	M_cont	int	C
1	-3.10800	0.018469	0.084147	0.10699	0.061482
2	0.00286	-0.001820	0.000199	-0.00007	-0.001041
3	-0.00182	0.004243	-0.000009	-0.00032	0.000035
4	0.00020	-0.000009	0.001697	-0.00167	-0.000190
5	-0.00007	-0.000323	-0.001674	0.00367	0.000069
6	-0.00104	0.000035	-0.000190	0.00007	0.001005

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	36.70777	18.35388	16.67	<.0001
Error	997	1097.64333	1.10095		
Corrected Total	999	1134.35110			

Root MSE	1.04926	R-Square	0.0324
Dependent Mean	0.06887	Adj R-Sq	0.0304
Coeff Var	1523.46932		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.17686	0.05518	-3.20	0.0014
A	1	0.16769	0.06710	2.50	0.0126
C	1	0.16923	0.03240	5.22	<.0001

Obs	Intercept	A	C
1	-0.17686	0.16769	0.16923
2	0.00305	-0.00193	-0.00109
3	-0.00193	0.00450	0.00002
4	-0.00109	0.00002	0.00105

x1
0

w
0.1101917

h1
-0.002564

Obs	effect	Estimate	s_e_	p_value	_95_CI_lower	_95_CI_upper
1	marginal cde	0.018469	0.065140	0.77677	-0.10920	0.14614
2	marginal pnde	0.018195	0.065321	0.78059	-0.10983	0.14622
3	marginal pnie	0.014111	0.008922	0.11374	-0.00338	0.03160
4	marginal tnde	0.036137	0.065315	0.58008	-0.09188	0.16415
5	marginal tnie	0.032052	0.014874	0.03117	0.00290	0.06121
6	marginal total effect	0.050247	0.065548	0.44333	-0.07823	0.17872
7	conditional cde	0.018469	0.065140	0.77677	-0.10920	0.14614
8	conditional pnde	0.017654	0.065347	0.78705	-0.11043	0.14573
9	conditional pnie	0.014111	0.008922	0.11374	-0.00338	0.03160
10	conditional tnde	0.035595	0.065294	0.58565	-0.09238	0.16357
11	conditional tnie	0.032052	0.010406	0.00207	0.01166	0.05245
12	conditional total effect	0.049706	0.065548	0.44826	-0.07877	0.17818

Obs	Intercept	A	C
1	-0.28622	0.32770	0.18677
2	0.00321	-0.00212	-0.00111
3	-0.00212	0.00464	0.00007
4	-0.00111	0.00007	0.00106

Obs	Intercept	A	C
1	-0.24676	0.17231	0.16062
2	0.00292	-0.00184	-0.00107
3	-0.00184	0.00415	0.00007
4	-0.00107	0.00007	0.00100

Obs	Intercept	A	C
1	-0.10619	0.080000	0.14395
2	0.00302	-0.002102	-0.00101
3	-0.00210	0.004389	0.00013
4	-0.00101	0.000133	0.00097

Obs	Intercept	A	C
1	-0.16943	0.11492	0.16552
2	0.00317	-0.00205	-0.00111
3	-0.00205	0.00457	0.00007
4	-0.00111	0.00007	0.00103

Obs	Intercept	A	C
1	-0.17954	0.22728	0.20239
2	0.00269	-0.00177	-0.00095
3	-0.00177	0.00423	-0.00004
4	-0.00095	-0.00004	0.00103

Obs	Intercept	A	C
1	-0.15283	0.18168	0.19214
2	0.00286	-0.00175	-0.00107
3	-0.00175	0.00444	-0.00005
4	-0.00107	-0.00005	0.00109

Obs	Intercept	A	C
1	-0.20248	0.15990	0.18946
2	0.00296	-0.00190	-0.00102
3	-0.00190	0.00463	-0.00007
4	-0.00102	-0.00007	0.00105

Obs	Intercept	A	C
1	-0.13832	0.17322	0.16924
2	0.00340	-0.00226	-0.00119
3	-0.00226	0.00493	0.00014
4	-0.00119	0.00014	0.00109

Obs	Intercept	A	C
1	-0.15821	0.16043	0.16046
2	0.00310	-0.00202	-0.00109
3	-0.00202	0.00467	0.00005
4	-0.00109	0.00005	0.00106

Obs	Intercept	A	C
1	-0.092125	0.021514	0.20270
2	0.002724	-0.001840	-0.00091
3	-0.001840	0.004066	0.00002
4	-0.000914	0.000019	0.00093

Obs	Intercept	A	C
1	-0.14966	0.15678	0.13374
2	0.00291	-0.00178	-0.00110
3	-0.00178	0.00447	0.00003
4	-0.00110	0.00003	0.00105

Obs	Intercept	A	C
1	-0.16655	0.23208	0.16385
2	0.00267	-0.00180	-0.00089
3	-0.00180	0.00421	-0.00001
4	-0.00089	-0.00001	0.00092

Obs	Intercept	A	C
1	-0.19208	0.16089	0.19128
2	0.00295	-0.00184	-0.00108
3	-0.00184	0.00444	-0.00004
4	-0.00108	-0.00004	0.00108

Obs	Intercept	A	C
1	-0.11296	0.055194	0.19091
2	0.00300	-0.001949	-0.00104
3	-0.00195	0.004563	-0.00005
4	-0.00104	-0.000050	0.00108

Obs	Intercept	A	C
1	-0.21071	0.25162	0.16181
2	0.00271	-0.00177	-0.00092
3	-0.00177	0.00430	0.00005
4	-0.00092	0.00005	0.00085

Obs	Intercept	A	C
1	-0.14550	0.10195	0.18118
2	0.00299	-0.00191	-0.00104
3	-0.00191	0.00469	-0.00010
4	-0.00104	-0.00010	0.00110

Obs	Intercept	A	C
1	-0.27592	0.28892	0.20387
2	0.00288	-0.00181	-0.00105
3	-0.00181	0.00402	0.00005
4	-0.00105	0.00005	0.00098

Obs	Intercept	A	C
1	-0.17530	0.16558	0.15136
2	0.00274	-0.00171	-0.00100
3	-0.00171	0.00399	-0.00002
4	-0.00100	-0.00002	0.00098

Obs	Intercept	A	C
1	-0.15309	0.23623	0.13531
2	0.00327	-0.00186	-0.00126
3	-0.00186	0.00455	0.00001
4	-0.00126	0.00001	0.00111

Obs	Intercept	A	C
1	-0.25132	0.11457	0.19136
2	0.00308	-0.00195	-0.00111
3	-0.00195	0.00454	0.00002
4	-0.00111	0.00002	0.00105

Obs	Intercept	A	C
1	-0.25681	0.15610	0.19934
2	0.00276	-0.00173	-0.00098
3	-0.00173	0.00421	-0.00002
4	-0.00098	-0.00002	0.00096

Obs	Intercept	A	C
1	-0.21689	0.20700	0.21085
2	0.00323	-0.00212	-0.00113
3	-0.00212	0.00472	-0.00002
4	-0.00113	-0.00002	0.00117

Obs	Intercept	A	C
1	-0.15497	0.11876	0.13540
2	0.00283	-0.00175	-0.00105
3	-0.00175	0.00430	0.00000
4	-0.00105	0.00000	0.00102

Obs	Intercept	A	C
1	-0.19239	0.17180	0.17884
2	0.00327	-0.00202	-0.00119
3	-0.00202	0.00453	0.00008
4	-0.00119	0.00008	0.00106

Obs	Intercept	A	C
1	-0.16671	0.16280	0.16913
2	0.00298	-0.00190	-0.00102
3	-0.00190	0.00459	-0.00014
4	-0.00102	-0.00014	0.00110

Obs	Intercept	A	C
1	-0.16212	0.22417	0.15574
2	0.00319	-0.00205	-0.00110
3	-0.00205	0.00449	0.00003
4	-0.00110	0.00003	0.00102

Obs	Intercept	A	C
1	-0.25671	0.26520	0.23879
2	0.00296	-0.00182	-0.00108
3	-0.00182	0.00408	0.00002
4	-0.00108	0.00002	0.00100

Obs	Intercept	A	C
1	-0.22662	0.24972	0.18905
2	0.00288	-0.00190	-0.00099
3	-0.00190	0.00453	-0.00009
4	-0.00099	-0.00009	0.00107

Obs	Intercept	A	C
1	-0.17746	0.24704	0.19009
2	0.00303	-0.00193	-0.00104
3	-0.00193	0.00470	-0.00006
4	-0.00104	-0.00006	0.00104

Obs	Intercept	A	C
1	-0.083712	0.12639	0.13101
2	0.002897	-0.00186	-0.00106
3	-0.001862	0.00431	0.00004
4	-0.001059	0.00004	0.00104

Obs	Intercept	A	C
1	-0.14883	0.22758	0.14806
2	0.00301	-0.00188	-0.00110
3	-0.00188	0.00425	0.00004
4	-0.00110	0.00004	0.00102

Obs	Intercept	A	C
1	-0.23548	0.070177	0.22164
2	0.00309	-0.001973	-0.00114
3	-0.00197	0.004396	0.00012
4	-0.00114	0.000117	0.00104

Obs	Intercept	A	C
1	-0.12450	0.17183	0.11458
2	0.00290	-0.00178	-0.00107
3	-0.00178	0.00444	-0.00004
4	-0.00107	-0.00004	0.00106

Obs	Intercept	A	C
1	-0.098503	0.10150	0.14770
2	0.002913	-0.00194	-0.00102
3	-0.001936	0.00465	0.00004
4	-0.001024	0.00004	0.00104

Obs	Intercept	A	C
1	-0.23891	0.20573	0.20682
2	0.00295	-0.00180	-0.00108
3	-0.00180	0.00455	-0.00006
4	-0.00108	-0.00006	0.00106

Obs	Intercept	A	C
1	-0.11665	0.080353	0.12530
2	0.00318	-0.002073	-0.00103
3	-0.00207	0.004711	-0.00008
4	-0.00103	-0.000083	0.00103

Obs	Intercept	A	C
1	-0.12140	0.027121	0.20885
2	0.00269	-0.001680	-0.00099
3	-0.00168	0.004137	0.00003
4	-0.00099	0.000028	0.00093

Obs	Intercept	A	C
1	-0.16605	0.092580	0.16992
2	0.00308	-0.002003	-0.00114
3	-0.00200	0.004816	0.00009
4	-0.00114	0.000087	0.00111

Obs	Intercept	A	C
1	-0.16092	0.12356	0.17815
2	0.00322	-0.00208	-0.00110
3	-0.00208	0.00464	0.00003
4	-0.00110	0.00003	0.00104

Obs	Intercept	A	C
1	-0.26071	0.24581	0.22781
2	0.00322	-0.00211	-0.00111
3	-0.00211	0.00474	0.00006
4	-0.00111	0.00006	0.00105

Obs	Intercept	A	C
1	-0.20527	0.15887	0.18514
2	0.00301	-0.00191	-0.00111
3	-0.00191	0.00447	0.00003
4	-0.00111	0.00003	0.00108

Obs	Intercept	A	C
1	-0.18008	0.21250	0.15650
2	0.00302	-0.00197	-0.00109
3	-0.00197	0.00428	0.00010
4	-0.00109	0.00010	0.00104

Obs	Intercept	A	C
1	-0.098067	0.004477155	0.12357
2	0.002792	-.001761257	-0.00098
3	-0.001761	0.004193948	-0.00004
4	-0.000984	-.000036966	0.00097

Obs	Intercept	A	C
1	-0.16975	0.086897	0.23925
2	0.00281	-0.001750	-0.00102
3	-0.00175	0.004372	0.00001
4	-0.00102	0.000005	0.00098

Obs	Intercept	A	C
1	-0.16142	0.096866	0.11268
2	0.00301	-0.001951	-0.00106
3	-0.00195	0.004292	0.00005
4	-0.00106	0.000049	0.00102

Obs	Intercept	A	C
1	-0.18438	0.12516	0.19608
2	0.00316	-0.00208	-0.00116
3	-0.00208	0.00466	0.00012
4	-0.00116	0.00012	0.00111

Obs	Intercept	A	C
1	-0.20753	0.26406	0.15006
2	0.00327	-0.00199	-0.00120
3	-0.00199	0.00479	-0.00006
4	-0.00120	-0.00006	0.00117

Obs	Intercept	A	C
1	-0.088650	0.093007	0.171117
2	0.002943	-0.001861	-0.00104
3	-0.001861	0.004261	-0.00005
4	-0.001043	-0.000047	0.00105

Obs	Intercept	A	C
1	-0.12678	0.10316	0.13382
2	0.00277	-0.00168	-0.00099
3	-0.00168	0.00420	-0.00010
4	-0.00099	-0.00010	0.00099

Obs	Intercept	A	C
1	-0.23035	0.24084	0.19248
2	0.00296	-0.00197	-0.00106
3	-0.00197	0.00438	0.00015
4	-0.00106	0.00015	0.00098

Obs	Intercept	A	C
1	-0.15379	-.005548161	0.19207
2	0.00298	-.001906904	-0.00105
3	-0.00191	0.004370327	0.00003
4	-0.00105	0.000034709	0.00098

Obs	Intercept	A	C
1	-0.14895	0.20475	0.092414
2	0.00282	-0.00182	-0.000972
3	-0.00182	0.00415	0.000030
4	-0.00097	0.00003	0.000910

Obs	Intercept	A	C
1	-0.066632	0.11444	0.16819
2	0.003233	-0.00199	-0.00117
3	-0.001994	0.00450	-0.00003
4	-0.001174	-0.00003	0.00114

Obs	Intercept	A	C
1	-0.11263	0.19906	0.10640
2	0.00285	-0.00181	-0.00101
3	-0.00181	0.00428	-0.00000
4	-0.00101	-0.00000	0.00099

Obs	Intercept	A	C
1	-0.23994	0.16531	0.17687
2	0.00273	-0.00166	-0.00102
3	-0.00166	0.00446	-0.00008
4	-0.00102	-0.00008	0.00105

Obs	Intercept	A	C
1	-0.12986	0.17605	0.13294
2	0.00325	-0.00198	-0.00117
3	-0.00198	0.00473	-0.00006
4	-0.00117	-0.00006	0.00114

Obs	Intercept	A	C
1	-0.18272	0.16333	0.16180
2	0.00298	-0.00195	-0.00100
3	-0.00195	0.00453	-0.00003
4	-0.00100	-0.00003	0.00100

Obs	Intercept	A	C
1	-0.16454	0.23062	0.15475
2	0.00315	-0.00197	-0.00115
3	-0.00197	0.00475	0.00005
4	-0.00115	0.00005	0.00109

Obs	Intercept	A	C
1	-0.24204	0.26366	0.17699
2	0.00303	-0.00188	-0.00111
3	-0.00188	0.00454	-0.00001
4	-0.00111	-0.00001	0.00109

Obs	Intercept	A	C
1	-0.11810	0.13114	0.12762
2	0.00304	-0.00196	-0.00109
3	-0.00196	0.00442	0.00010
4	-0.00109	0.00010	0.00101

Obs	Intercept	A	C
1	-0.21492	0.21743	0.16214
2	0.00300	-0.00199	-0.00108
3	-0.00199	0.00442	0.00016
4	-0.00108	0.00016	0.00097

Obs	Intercept	A	C
1	-0.18503	0.048900	0.16782
2	0.00285	-0.001844	-0.00099
3	-0.00184	0.004354	-0.00001
4	-0.00099	-0.000006	0.00098

Obs	Intercept	A	C
1	-0.24791	0.24379	0.13344
2	0.00306	-0.00192	-0.00110
3	-0.00192	0.00464	-0.00002
4	-0.00110	-0.00002	0.00109

Obs	Intercept	A	C
1	-0.17410	0.14177	0.17437
2	0.00295	-0.00183	-0.00103
3	-0.00183	0.00451	-0.00010
4	-0.00103	-0.00010	0.00103

Obs	Intercept	A	C
1	-0.076817	0.10104	0.097712
2	0.002948	-0.00191	-0.001010
3	-0.001907	0.00440	-0.000006
4	-0.001010	-0.00001	0.000986

Obs	Intercept	A	C
1	-0.22449	0.39844	0.12915
2	0.00286	-0.00184	-0.00101
3	-0.00184	0.00428	-0.00003
4	-0.00101	-0.00003	0.00103

Obs	Intercept	A	C
1	-0.094153	0.014997	0.16732
2	0.003076	-0.002017	-0.00105
3	-0.002017	0.004740	-0.00002
4	-0.001055	-0.000021	0.00107

Obs	Intercept	A	C
1	-0.16096	0.079130	0.21104
2	0.00306	-0.002096	-0.00100
3	-0.00210	0.004591	0.00001
4	-0.00100	0.000012	0.00102

Obs	Intercept	A	C
1	-0.26423	0.22066	0.16798
2	0.00306	-0.00200	-0.00105
3	-0.00200	0.00465	-0.00005
4	-0.00105	-0.00005	0.00109

Obs	Intercept	A	C
1	-0.072688	0.18638	0.15181
2	0.003160	-0.00196	-0.00107
3	-0.001964	0.00445	-0.00004
4	-0.001072	-0.00004	0.00100

Obs	Intercept	A	C
1	-0.17093	0.13082	0.15645
2	0.00345	-0.00217	-0.00125
3	-0.00217	0.00512	-0.00000
4	-0.00125	-0.00000	0.00123

Obs	Intercept	A	C
1	-0.19078	0.16247	0.18142
2	0.00294	-0.00188	-0.00100
3	-0.00188	0.00444	0.00000
4	-0.00100	0.00000	0.00095

Obs	Intercept	A	C
1	-0.14911	0.061965	0.19345
2	0.00314	-0.002010	-0.00113
3	-0.00201	0.004551	0.00003
4	-0.00113	0.000025	0.00111

Obs	Intercept	A	C
1	-0.16255	0.23499	0.18443
2	0.00281	-0.00178	-0.00102
3	-0.00178	0.00438	-0.00002
4	-0.00102	-0.00002	0.00105

Obs	Intercept	A	C
1	-0.099456	0.007415167	0.17349
2	0.003133	-.002015332	-0.00113
3	-0.002015	0.004453710	0.00008
4	-0.001132	0.000084181	0.00106

Obs	Intercept	A	C
1	-0.19440	0.14194	0.21293
2	0.00336	-0.00213	-0.00124
3	-0.00213	0.00472	0.00015
4	-0.00124	0.00015	0.00110

Obs	Intercept	A	C
1	-0.17881	0.049064	0.20807
2	0.00339	-0.002189	-0.00119
3	-0.00219	0.004809	0.00005
4	-0.00119	0.000047	0.00113

Obs	Intercept	A	C
1	-0.082351	0.11201	0.14377
2	0.003177	-0.00200	-0.00109
3	-0.002003	0.00449	-0.00005
4	-0.001094	-0.00005	0.00107

Obs	Intercept	A	C
1	-0.099291	-.004214079	0.20417
2	0.003125	-.002001973	-0.00113
3	-0.002002	0.004377750	0.00010
4	-0.001126	0.000101046	0.00103

Obs	Intercept	A	C
1	-0.20704	0.25954	0.14301
2	0.00301	-0.00188	-0.00108
3	-0.00188	0.00458	0.00001
4	-0.00108	0.00001	0.00102

Obs	Intercept	A	C
1	-0.28883	0.24880	0.22025
2	0.00312	-0.00199	-0.00111
3	-0.00199	0.00457	0.00004
4	-0.00111	0.00004	0.00105

Obs	Intercept	A	C
1	-0.053586	0.088328	0.12914
2	0.002895	-0.001962	-0.00103
3	-0.001962	0.004327	0.00008
4	-0.001030	0.000084	0.00104

Obs	Intercept	A	C
1	-0.18463	0.20432	0.16250
2	0.00298	-0.00180	-0.00107
3	-0.00180	0.00452	-0.00008
4	-0.00107	-0.00008	0.00104

Obs	Intercept	A	C
1	-0.28227	0.22362	0.20232
2	0.00290	-0.00181	-0.00106
3	-0.00181	0.00436	-0.00001
4	-0.00106	-0.00001	0.00104

Obs	Intercept	A	C
1	-0.23546	0.18249	0.21427
2	0.00304	-0.00198	-0.00109
3	-0.00198	0.00445	0.00004
4	-0.00109	0.00004	0.00107

Obs	Intercept	A	C
1	-0.17789	0.10922	0.13862
2	0.00313	-0.00197	-0.00113
3	-0.00197	0.00463	-0.00001
4	-0.00113	-0.00001	0.00111

Obs	Intercept	A	C
1	-0.11892	0.058040	0.14419
2	0.00304	-0.001944	-0.00107
3	-0.00194	0.004343	0.00007
4	-0.00107	0.000068	0.00098

Obs	Intercept	A	C
1	-0.20076	0.13007	0.20720
2	0.00353	-0.00222	-0.00134
3	-0.00222	0.00496	0.00014
4	-0.00134	0.00014	0.00122

Obs	Intercept	A	C
1	-0.16503	0.17335	0.13491
2	0.00315	-0.00202	-0.00111
3	-0.00202	0.00479	0.00001
4	-0.00111	0.00001	0.00108

Obs	Intercept	A	C
1	-0.21194	0.15381	0.18467
2	0.00343	-0.00212	-0.00120
3	-0.00212	0.00493	-0.00005
4	-0.00120	-0.00005	0.00113

Obs	Intercept	A	C
1	-0.20093	0.19119	0.19283
2	0.00308	-0.00209	-0.00105
3	-0.00209	0.00451	0.00007
4	-0.00105	0.00007	0.00105

Obs	Intercept	A	C
1	-0.11625	0.058023	0.11283
2	0.00295	-0.001969	-0.00106
3	-0.00197	0.004405	0.00014
4	-0.00106	0.000139	0.00099

Obs	Intercept	A	C
1	-0.21408	0.24337	0.22378
2	0.00326	-0.00208	-0.00116
3	-0.00208	0.00464	0.00010
4	-0.00116	0.00010	0.00106

Obs	Intercept	A	C
1	-0.24587	0.21428	0.24090
2	0.00312	-0.00201	-0.00107
3	-0.00201	0.00468	0.00001
4	-0.00107	0.00001	0.00103

Obs	Intercept	A	C
1	-0.27944	0.24970	0.19282
2	0.00283	-0.00193	-0.00095
3	-0.00193	0.00402	0.00006
4	-0.00095	0.00006	0.00093

Obs	Intercept	A	C
1	-0.18353	0.26241	0.15772
2	0.00318	-0.00205	-0.00110
3	-0.00205	0.00451	0.00006
4	-0.00110	0.00006	0.00100

Obs	Intercept	A	C
1	-0.096149	0.070898	0.14580
2	0.003138	-0.002010	-0.00112
3	-0.002010	0.004489	0.00006
4	-0.001119	0.000064	0.00105

Obs	Intercept	A	C
1	-0.096723	0.096739	0.11381
2	0.003097	-0.001860	-0.00114
3	-0.001860	0.004535	-0.00000
4	-0.001135	-0.000003	0.00105

Obs	Intercept	A	C
1	-0.16530	0.22815	0.15791
2	0.00306	-0.00189	-0.00104
3	-0.00189	0.00470	-0.00015
4	-0.00104	-0.00015	0.00106

Obs	Intercept	A	C
1	-0.19927	0.13376	0.15424
2	0.00321	-0.00210	-0.00114
3	-0.00210	0.00460	0.00012
4	-0.00114	0.00012	0.00104

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## The REG Procedure

Model: MODEL1

Dependent Variable: Y\_cont\_int

Number of Observations Read	100000
Number of Observations Used	100000

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	2946.19965	736.54991	726.14	<.0001
Error	99995	101429	1.01434		
Corrected Total	99999	104375			

Root MSE	1.00714	R-Square	0.0282
Dependent Mean	-3.02701	Adj R-Sq	0.0282
Coeff Var	-33.27195		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-3.11533	0.00532	-585.95	<.0001
A	1	0.01932	0.00648	2.98	0.0029
M_cont	1	0.07613	0.00411	18.53	<.0001
int	1	0.11181	0.00603	18.55	<.0001
C	1	0.06558	0.00314	20.85	<.0001

Obs	Intercept	A	M_cont	int	C
1	-3.11533	0.019317	0.076125	0.11181	0.065577
2	0.00003	-0.000018	0.000002	-0.00000	-0.000010
3	-0.00002	0.000042	-0.000000	-0.00000	0.000000
4	0.00000	-0.000000	0.000017	-0.00002	-0.000002
5	-0.00000	-0.000003	-0.000017	0.00004	0.000001
6	-0.00001	0.000000	-0.000002	0.00000	0.000010

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3632.10594	1816.05297	1655.33	<.0001
Error	99997	109706	1.09709		
Corrected Total	99999	113338			

Root MSE	1.04742	R-Square	0.0320
Dependent Mean	0.06855	Adj R-Sq	0.0320
Coeff Var	1527.94755		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.17328	0.00550	-31.50	<.0001
A	1	0.15829	0.00670	23.64	<.0001
C	1	0.16968	0.00322	52.64	<.0001

Obs	Intercept	A	C
1	-0.17328	0.15829	0.16968
2	0.00003	-0.00002	-0.00001
3	-0.00002	0.00004	0.00000
4	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.018903	0.060684	-0.11344	0.13081
2	marginal pnde	0.019203	0.061146	-0.11469	0.12946
3	marginal pnie	0.011836	0.008737	-0.00100	0.03359
4	marginal tnde	0.037197	0.061277	-0.11167	0.14793
5	marginal tnie	0.029831	0.016821	0.00101	0.06625
6	marginal total effect	0.049033	0.062366	-0.08013	0.17150
7	conditional cde	0.018903	0.060684	-0.11344	0.13081
8	conditional pnde	0.018628	0.061171	-0.11476	0.12907
9	conditional pnie	0.011836	0.008737	-0.00100	0.03359
10	conditional tnde	0.036623	0.061248	-0.11174	0.14755
11	conditional tnie	0.029831	0.016821	0.00101	0.06625
12	conditional total effect	0.048459	0.062355	-0.08020	0.17109

Obs	_RMSE_	Intercept	A	C
1	1.05550	-0.34499	0.22738	0.22585
2	1.05550	0.00318	-0.00207	-0.00114
3	1.05550	-0.00207	0.00456	0.00011
4	1.05550	-0.00114	0.00011	0.00106

Obs	_RMSE_	Intercept	A	C
1	1.05386	-0.17369	0.20923	0.14114
2	1.05386	0.00310	-0.00202	-0.00108
3	1.05386	-0.00202	0.00449	0.00001
4	1.05386	-0.00108	0.00001	0.00106

Obs	_RMSE_	Intercept	A	C
1	1.04812	-0.15174	0.19539	0.16552
2	1.04812	0.00288	-0.00182	-0.00101
3	1.04812	-0.00182	0.00457	-0.00002
4	1.04812	-0.00101	-0.00002	0.00098

Obs	_RMSE_	Intercept	A	C
1	1.01729	-0.17089	0.13419	0.19949
2	1.01729	0.00283	-0.00178	-0.00102
3	1.01729	-0.00178	0.00421	-0.00006
4	1.01729	-0.00102	-0.00006	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.03697	-0.22270	0.14174	0.16354
2	1.03697	0.00293	-0.00186	-0.00107
3	1.03697	-0.00186	0.00439	-0.00003
4	1.03697	-0.00107	-0.00003	0.00111

Obs	_RMSE_	Intercept	A	C
1	1.06137	-0.22163	0.25361	0.20248
2	1.06137	0.00317	-0.00201	-0.00116
3	1.06137	-0.00201	0.00462	0.00006
4	1.06137	-0.00116	0.00006	0.00109

Obs	_RMSE_	Intercept	A	C
1	1.06778	-0.14854	0.14245	0.14804
2	1.06778	0.00298	-0.00196	-0.00103
3	1.06778	-0.00196	0.00467	-0.00002
4	1.06778	-0.00103	-0.00002	0.00106

Obs	_RMSE_	Intercept	A	C
1	1.04304	-0.13667	0.10749	0.17047
2	1.04304	0.00302	-0.00182	-0.00113
3	1.04304	-0.00182	0.00450	-0.00002
4	1.04304	-0.00113	-0.00002	0.00107

Obs	_RMSE_	Intercept	A	C
1	1.05739	-0.052039	0.12140	0.10038
2	1.05739	0.003058	-0.00204	-0.00106
3	1.05739	-0.002039	0.00453	0.00002
4	1.05739	-0.001064	0.00002	0.00109

Obs	_RMSE_	Intercept	A	C
1	1.05542	-0.15611	0.068452	0.20456
2	1.05542	0.00314	-0.002043	-0.00113
3	1.05542	-0.00204	0.004545	0.00008
4	1.05542	-0.00113	0.000078	0.00107

Obs	_RMSE_	Intercept	A	C
1	1.02217	-0.18877	0.20727	0.14937
2	1.02217	0.00287	-0.00184	-0.00101
3	1.02217	-0.00184	0.00426	0.00001
4	1.02217	-0.00101	0.00001	0.00098

Obs	_RMSE_	Intercept	A	C
1	1.06658	-0.26666	0.28831	0.18328
2	1.06658	0.00294	-0.00190	-0.00102
3	1.06658	-0.00190	0.00473	0.00000
4	1.06658	-0.00102	0.00000	0.00101

Obs	_RMSE_	Intercept	A	C
1	1.00740	-0.078909	0.15754	0.13341
2	1.00740	0.002846	-0.00177	-0.00102
3	1.00740	-0.001767	0.00413	-0.00002
4	1.00740	-0.001023	-0.00002	0.00099

Obs	_RMSE_	Intercept	A	C
1	1.05483	-0.29972	0.28755	0.19155
2	1.05483	0.00320	-0.00198	-0.00111
3	1.05483	-0.00198	0.00450	-0.00003
4	1.05483	-0.00111	-0.00003	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.04495	-0.18767	0.20271	0.21463
2	1.04495	0.00296	-0.00183	-0.00109
3	1.04495	-0.00183	0.00450	-0.00003
4	1.04495	-0.00109	-0.00003	0.00109

Obs	_RMSE_	Intercept	A	C
1	1.04344	-0.22068	0.17866	0.16877
2	1.04344	0.00305	-0.00190	-0.00109
3	1.04344	-0.00190	0.00442	-0.00004
4	1.04344	-0.00109	-0.00004	0.00108

Obs	_RMSE_	Intercept	A	C
1	1.02856	-0.053078	0.14538	0.10998
2	1.02856	0.002995	-0.00184	-0.00110
3	1.02856	-0.001841	0.00431	-0.00003
4	1.02856	-0.001097	-0.00003	0.00107

Obs	_RMSE_	Intercept	A	C
1	1.04884	-0.18399	0.20502	0.12958
2	1.04884	0.00288	-0.00187	-0.00099
3	1.04884	-0.00187	0.00450	-0.00005
4	1.04884	-0.00099	-0.00005	0.00103

Obs	_RMSE_	Intercept	A	C
1	1.04115	-0.25346	0.17754	0.20882
2	1.04115	0.00287	-0.00182	-0.00103
3	1.04115	-0.00182	0.00450	0.00000
4	1.04115	-0.000103	0.00000	0.00101

Obs	_RMSE_	Intercept	A	C
1	1.03600	-0.12519	0.11687	0.10453
2	1.03600	0.00305	-0.00188	-0.00114
3	1.03600	-0.00188	0.00443	0.00005
4	1.03600	-0.00114	0.00005	0.00107

Obs	_RMSE_	Intercept	A	C
1	1.02531	-0.23234	0.21081	0.17792
2	1.02531	0.00294	-0.00191	-0.00103
3	1.02531	-0.00191	0.00432	0.00009
4	1.02531	-0.00103	0.00009	0.00094

Obs	_RMSE_	Intercept	A	C
1	1.10008	-0.23963	0.21023	0.14362
2	1.10008	0.00328	-0.00210	-0.00114
3	1.10008	-0.00210	0.00493	-0.00003
4	1.10008	-0.00114	-0.00003	0.00114

Obs	_RMSE_	Intercept	A	C
1	1.04615	-0.17331	0.22506	0.15909
2	1.04615	0.00296	-0.00187	-0.00105
3	1.04615	-0.00187	0.00453	0.00002
4	1.04615	-0.00105	0.00002	0.00100

Obs	_RMSE_	Intercept	A	C
1	1.05206	-0.25989	0.32949	0.14708
2	1.05206	0.00320	-0.00203	-0.00118
3	1.05206	-0.00203	0.00456	0.00011
4	1.05206	-0.00118	0.00011	0.00107

Obs	_RMSE_	Intercept	A	C
1	1.05411	-0.22767	0.24715	0.18827
2	1.05411	0.00321	-0.00205	-0.00114
3	1.05411	-0.00205	0.00452	0.00008
4	1.05411	-0.00114	0.00008	0.00106

Obs	_RMSE_	Intercept	A	C
1	1.00542	-0.22311	0.30152	0.14926
2	1.00542	0.00289	-0.00180	-0.00105
3	1.00542	-0.00180	0.00415	0.00005
4	1.00542	-0.00105	0.00005	0.00097

Obs	_RMSE_	Intercept	A	C
1	1.07977	-0.22423	0.19708	0.18509
2	1.07977	0.00326	-0.00206	-0.00120
3	1.07977	-0.00206	0.00480	0.00006
4	1.07977	-0.00120	0.00006	0.00114

Obs	_RMSE_	Intercept	A	C
1	1.06035	-0.075737	0.054011	0.14363
2	1.06035	0.003167	-0.001989	-0.00113
3	1.06035	-0.001989	0.004599	0.00003
4	1.06035	-0.001133	0.000028	0.00106

Obs	_RMSE_	Intercept	A	C
1	1.02647	-0.14866	0.11677	0.17825
2	1.02647	0.00294	-0.00192	-0.00106
3	1.02647	-0.00192	0.00434	0.00011
4	1.02647	-0.000106	0.00011	0.00100

Obs	_RMSE_	Intercept	A	C
1	1.07464	-0.15449	0.22756	0.11847
2	1.07464	0.00311	-0.00198	-0.00112
3	1.07464	-0.00198	0.00476	0.00000
4	1.07464	-0.00112	0.00000	0.00111

Obs	_RMSE_	Intercept	A	C
1	1.05427	-0.17357	0.19616	0.16100
2	1.05427	0.00307	-0.00209	-0.00104
3	1.05427	-0.00209	0.00450	0.00007
4	1.05427	-0.00104	0.00007	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.02452	-0.13178	0.060697	0.18537
2	1.02452	0.00306	-0.001914	-0.00111
3	1.02452	-0.00191	0.004250	0.00002
4	1.02452	-0.00111	0.000021	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.02604	-0.15696	0.13196	0.19301
2	1.02604	0.00304	-0.00181	-0.00110
3	1.02604	-0.00181	0.00430	-0.00003
4	1.02604	-0.00110	-0.00003	0.00101

Obs	_RMSE_	Intercept	A	C
1	1.04850	-0.23918	0.17535	0.20686
2	1.04850	0.00309	-0.00200	-0.00106
3	1.04850	-0.00200	0.00447	0.00004
4	1.04850	-0.00106	0.00004	0.00100

Obs	_RMSE_	Intercept	A	C
1	1.05698	-0.22682	0.22808	0.16855
2	1.05698	0.00301	-0.00193	-0.00106
3	1.05698	-0.00193	0.00461	0.00002
4	1.05698	-0.000106	0.00002	0.00101

Obs	_RMSE_	Intercept	A	C
1	1.01296	-0.21911	0.19447	0.19910
2	1.01296	0.00278	-0.00169	-0.00101
3	1.01296	-0.00169	0.00423	-0.00006
4	1.01296	-0.00101	-0.00006	0.00100

Obs	_RMSE_	Intercept	A	C
1	1.08746	-0.23175	0.20703	0.18259
2	1.08746	0.00302	-0.00198	-0.00102
3	1.08746	-0.00198	0.00483	-0.00010
4	1.08746	-0.00102	-0.00010	0.00109

Obs	_RMSE_	Intercept	A	C
1	1.03967	-0.14569	0.11007	0.12937
2	1.03967	0.00282	-0.00179	-0.00102
3	1.03967	-0.00179	0.00448	-0.00003
4	1.03967	-0.00102	-0.00003	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.05150	-0.062329	0.095678	0.10719
2	1.05150	0.002999	-0.001924	-0.00106
3	1.05150	-0.001924	0.004527	0.00000
4	1.05150	-0.001063	0.000004	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.04420	-0.19176	0.20379	0.15760
2	1.04420	0.00308	-0.00204	-0.00106
3	1.04420	-0.00204	0.00443	0.00009
4	1.04420	-0.00106	0.00009	0.00100

Obs	_RMSE_	Intercept	A	C
1	1.01767	-0.25065	0.20261	0.20214
2	1.01767	0.00289	-0.00183	-0.00103
3	1.01767	-0.00183	0.00427	0.00005
4	1.01767	-0.00103	0.00005	0.00095

Obs	_RMSE_	Intercept	A	C
1	1.04639	-0.25561	0.12333	0.21998
2	1.04639	0.00315	-0.00203	-0.00118
3	1.04639	-0.00203	0.00455	0.00016
4	1.04639	-0.00118	0.00016	0.00107

Obs	_RMSE_	Intercept	A	C
1	1.02599	-0.17972	0.23600	0.12944
2	1.02599	0.00279	-0.00174	-0.00101
3	1.02599	-0.00174	0.00433	-0.00007
4	1.02599	-0.000101	-0.00007	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.08618	-0.24187	0.23349	0.20500
2	1.08618	0.00339	-0.00223	-0.00120
3	1.08618	-0.00223	0.00482	0.00013
4	1.08618	-0.00120	0.00013	0.00110

Obs	_RMSE_	Intercept	A	C
1	1.03273	-0.085236	0.17042	0.13597
2	1.03273	0.002704	-0.00176	-0.00095
3	1.03273	-0.001758	0.00439	-0.00009
4	1.03273	-0.000949	-0.00009	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.07678	-0.21699	0.21910	0.18766
2	1.07678	0.00335	-0.00213	-0.00125
3	1.07678	-0.00213	0.00472	0.00007
4	1.07678	-0.00125	0.00007	0.00121

Obs	_RMSE_	Intercept	A	C
1	1.05081	-0.21019	0.21552	0.19854
2	1.05081	0.00303	-0.00191	-0.00105
3	1.05081	-0.00191	0.00448	-0.00007
4	1.05081	-0.00105	-0.00007	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.04703	-0.16328	0.091344	0.19540
2	1.04703	0.00295	-0.001893	-0.00102
3	1.04703	-0.00189	0.004489	-0.00001
4	1.04703	-0.00102	-0.000010	0.00099

Obs	_RMSE_	Intercept	A	C
1	1.02724	-0.21775	0.23364	0.16015
2	1.02724	0.00292	-0.00186	-0.00103
3	1.02724	-0.00186	0.00430	-0.00000
4	1.02724	-0.000103	-0.00000	0.00100

Obs	_RMSE_	Intercept	A	C
1	1.04297	-0.22486	0.30667	0.13011
2	1.04297	0.00285	-0.00176	-0.00102
3	1.04297	-0.00176	0.00450	-0.00009
4	1.04297	-0.00102	-0.00009	0.00103

Obs	_RMSE_	Intercept	A	C
1	1.04564	-0.18411	0.23636	0.11226
2	1.04564	0.00315	-0.00205	-0.00110
3	1.04564	-0.00205	0.00443	0.00008
4	1.04564	-0.00110	0.00008	0.00101

Obs	_RMSE_	Intercept	A	C
1	1.07584	-0.17357	0.21366	0.14979
2	1.07584	0.00311	-0.00198	-0.00114
3	1.07584	-0.00198	0.00482	0.00004
4	1.07584	-0.00114	0.00004	0.00111

Obs	_RMSE_	Intercept	A	C
1	1.03512	-0.18311	0.26765	0.14508
2	1.03512	0.00303	-0.00188	-0.00110
3	1.03512	-0.00188	0.00437	0.00000
4	1.03512	-0.00110	0.00000	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.01896	-0.25092	0.11695	0.21710
2	1.01896	0.00275	-0.00187	-0.00095
3	1.01896	-0.00187	0.00425	0.00007
4	1.01896	-0.00095	0.00007	0.00095

Obs	_RMSE_	Intercept	A	C
1	1.05592	-0.17305	0.14966	0.16203
2	1.05592	0.00299	-0.00195	-0.00099
3	1.05592	-0.00195	0.00452	-0.00007
4	1.05592	-0.00099	-0.00007	0.00102

Obs	_RMSE_	Intercept	A	C
1	1.06064	-0.24315	0.20768	0.21046
2	1.06064	0.00312	-0.00195	-0.00110
3	1.06064	-0.00195	0.00458	-0.00004
4	1.06064	-0.00110	-0.00004	0.00108

Obs	_RMSE_	Intercept	A	C
1	1.07093	-0.20652	0.22081	0.13856
2	1.07093	0.00339	-0.00212	-0.00127
3	1.07093	-0.00212	0.00467	0.00008
4	1.07093	-0.00127	0.00008	0.00118

Obs	_RMSE_	Intercept	A	C
1	1.05226	-0.16482	0.15472	0.17161
2	1.05226	0.00298	-0.00194	-0.00104
3	1.05226	-0.00194	0.00455	0.00003
4	1.05226	-0.00104	0.00003	0.00102

Obs	_RMSE_	Intercept	A	C
1	1.03132	-0.20641	0.14915	0.17895
2	1.03132	0.00293	-0.00201	-0.00101
3	1.03132	-0.00201	0.00432	0.00010
4	1.03132	-0.00101	0.00010	0.00099

Obs	_RMSE_	Intercept	A	C
1	1.07377	-0.15535	0.044167	0.18456
2	1.07377	0.00313	-0.002024	-0.00116
3	1.07377	-0.00202	0.004778	0.00007
4	1.07377	-0.00116	0.000075	0.00113

Obs	_RMSE_	Intercept	A	C
1	1.01249	-0.23032	0.18952	0.19032
2	1.01249	0.00296	-0.00172	-0.00112
3	1.01249	-0.00172	0.00422	-0.00004
4	1.01249	-0.00112	-0.00004	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.01027	-0.15061	0.058583	0.19876
2	1.01027	0.00291	-0.001753	-0.00104
3	1.01027	-0.00175	0.004161	-0.00004
4	1.01027	-0.00104	-0.000041	0.00097

Obs	_RMSE_	Intercept	A	C
1	1.08293	-0.21258	0.18636	0.18737
2	1.08293	0.00334	-0.00205	-0.00123
3	1.08293	-0.00205	0.00480	0.00001
4	1.08293	-0.00123	0.00001	0.00117

Obs	_RMSE_	Intercept	A	C
1	1.02623	-0.12909	0.16054	0.10687
2	1.02623	0.00292	-0.00188	-0.00106
3	1.02623	-0.00188	0.00435	0.00008
4	1.02623	-0.00106	0.00008	0.00101

Obs	_RMSE_	Intercept	A	C
1	1.04536	-0.19598	0.12060	0.18924
2	1.04536	0.00316	-0.00196	-0.00115
3	1.04536	-0.00196	0.00443	-0.00000
4	1.04536	-0.00115	-0.00000	0.00110

Obs	_RMSE_	Intercept	A	C
1	1.01597	-0.20480	0.17725	0.20483
2	1.01597	0.00286	-0.00177	-0.00104
3	1.01597	-0.00177	0.00420	-0.00005
4	1.01597	-0.000104	-0.00005	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.07283	-0.098893	0.18595	0.10285
2	1.07283	0.003058	-0.00201	-0.00104
3	1.07283	-0.002006	0.00468	-0.00004
4	1.07283	-0.001042	-0.00004	0.00107

Obs	_RMSE_	Intercept	A	C
1	1.04246	-0.078904	0.022034	0.17519
2	1.04246	0.003149	-0.002031	-0.00115
3	1.04246	-0.002031	0.004422	0.00009
4	1.04246	-0.001146	0.000091	0.00108

Obs	_RMSE_	Intercept	A	C
1	1.04755	-0.19665	0.21293	0.18173
2	1.04755	0.00296	-0.00193	-0.00108
3	1.04755	-0.00193	0.00449	0.00002
4	1.04755	-0.00108	0.00002	0.00112

Obs	_RMSE_	Intercept	A	C
1	1.03878	-0.13256	0.16316	0.11792
2	1.03878	0.00285	-0.00190	-0.00098
3	1.03878	-0.00190	0.00445	0.00006
4	1.03878	-0.00098	0.00006	0.00096

Obs	_RMSE_	Intercept	A	C
1	1.01903	-0.15408	0.21893	0.12961
2	1.01903	0.00326	-0.00208	-0.00121
3	1.01903	-0.00208	0.00427	0.00021
4	1.01903	-0.00121	0.00021	0.00103

Obs	_RMSE_	Intercept	A	C
1	1.02857	-0.098180	0.13794	0.10037
2	1.02857	0.002980	-0.00175	-0.00114
3	1.02857	-0.001750	0.00444	0.00001
4	1.02857	-0.001141	0.00001	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.05767	-0.24067	0.20729	0.23898
2	1.05767	0.00325	-0.00204	-0.00118
3	1.05767	-0.00204	0.00454	0.00004
4	1.05767	-0.00118	0.00004	0.00112

Obs	_RMSE_	Intercept	A	C
1	1.11001	-0.18143	0.15487	0.16945
2	1.11001	0.00364	-0.00240	-0.00132
3	1.11001	-0.00240	0.00503	0.00018
4	1.11001	-0.00132	0.00018	0.00120

Obs	_RMSE_	Intercept	A	C
1	1.04957	-0.16330	0.11274	0.15576
2	1.04957	0.00289	-0.00186	-0.00096
3	1.04957	-0.00186	0.00450	-0.00007
4	1.04957	-0.00096	-0.00007	0.00097

Obs	_RMSE_	Intercept	A	C
1	1.05716	-0.26026	0.19866	0.18881
2	1.05716	0.00305	-0.00193	-0.00108
3	1.05716	-0.00193	0.00457	-0.00001
4	1.05716	-0.000108	-0.00001	0.00106

Obs	_RMSE_	Intercept	A	C
1	1.08352	-0.20523	0.21362	0.14816
2	1.08352	0.00325	-0.00218	-0.00107
3	1.08352	-0.00218	0.00473	0.00003
4	1.08352	-0.00107	0.00003	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.03835	-0.20308	0.15188	0.18637
2	1.03835	0.00295	-0.00182	-0.00104
3	1.03835	-0.00182	0.00444	-0.00002
4	1.03835	-0.00104	-0.00002	0.00099

Obs	_RMSE_	Intercept	A	C
1	1.07008	-0.11465	0.21114	0.090239
2	1.07008	0.00332	-0.00221	-0.001172
3	1.07008	-0.00221	0.00464	0.000124
4	1.07008	-0.00117	0.00012	0.001106

Obs	_RMSE_	Intercept	A	C
1	1.06074	-0.11332	0.24928	0.11449
2	1.06074	0.00303	-0.00184	-0.00111
3	1.06074	-0.00184	0.00468	-0.00004
4	1.06074	-0.00111	-0.00004	0.00106

Obs	_RMSE_	Intercept	A	C
1	1.06617	-0.23004	0.14957	0.19257
2	1.06617	0.00318	-0.00194	-0.00119
3	1.06617	-0.00194	0.00469	0.00001
4	1.06617	-0.00119	0.00001	0.00114

Obs	_RMSE_	Intercept	A	C
1	1.02688	-0.20613	0.14745	0.17160
2	1.02688	0.00302	-0.00187	-0.00112
3	1.02688	-0.00187	0.00432	0.00004
4	1.02688	-0.00112	0.00004	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.05869	-0.19350	0.16015	0.12621
2	1.05869	0.00301	-0.00198	-0.00102
3	1.05869	-0.00198	0.00456	-0.00000
4	1.05869	-0.00102	-0.00000	0.00100

Obs	_RMSE_	Intercept	A	C
1	1.06481	-0.18330	0.21350	0.17081
2	1.06481	0.00302	-0.00187	-0.00105
3	1.06481	-0.00187	0.00465	-0.00010
4	1.06481	-0.00105	-0.00010	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.06315	-0.25238	0.26903	0.16312
2	1.06315	0.00305	-0.00201	-0.00109
3	1.06315	-0.00201	0.00464	0.00005
4	1.06315	-0.00109	0.00005	0.00108

Obs	_RMSE_	Intercept	A	C
1	1.07932	-0.22842	0.28476	0.20089
2	1.07932	0.00335	-0.00207	-0.00118
3	1.07932	-0.00207	0.00470	-0.00007
4	1.07932	-0.00118	-0.00007	0.00115

Obs	_RMSE_	Intercept	A	C
1	1.06428	-0.13622	0.13215	0.13103
2	1.06428	0.00309	-0.00203	-0.00107
3	1.06428	-0.00203	0.00463	0.00005
4	1.06428	-0.00107	0.00005	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.06205	-0.18305	0.29058	0.13109
2	1.06205	0.00296	-0.00198	-0.00106
3	1.06205	-0.00198	0.00467	0.00007
4	1.06205	-0.00106	0.00007	0.00108

Obs	_RMSE_	Intercept	A	C
1	1.08629	-0.19645	0.14902	0.21819
2	1.08629	0.00311	-0.00192	-0.00109
3	1.08629	-0.000192	0.00485	-0.00014
4	1.08629	-0.000109	-0.00014	0.00111

Obs	_RMSE_	Intercept	A	C
1	1.07587	-0.20169	0.17911	0.15649
2	1.07587	0.00318	-0.00202	-0.00114
3	1.07587	-0.00202	0.00474	0.00001
4	1.07587	-0.00114	0.00001	0.00112

Obs	_RMSE_	Intercept	A	C
1	1.06160	-0.23363	0.27604	0.15309
2	1.06160	0.00315	-0.00195	-0.00111
3	1.06160	-0.00195	0.00457	-0.00007
4	1.06160	-0.00111	-0.00007	0.00110

Obs	_RMSE_	Intercept	A	C
1	1.04039	-0.13053	0.12357	0.16481
2	1.04039	0.00302	-0.00197	-0.00108
3	1.04039	-0.00197	0.00445	0.00010
4	1.04039	-0.00108	0.00010	0.00102

Obs	_RMSE_	Intercept	A	C
1	1.07903	-0.21618	0.20346	0.19375
2	1.07903	0.00309	-0.00204	-0.00110
3	1.07903	-0.00204	0.00476	0.00001
4	1.07903	-0.00110	0.00001	0.00115

Obs	_RMSE_	Intercept	A	C
1	1.03294	-0.10028	-0.019110	0.15262
2	1.03294	0.00291	-0.001761	-0.00106
3	1.03294	-0.00176	0.004379	-0.00009
4	1.03294	-0.00106	-0.000087	0.00105

Obs	_RMSE_	Intercept	A	C
1	1.07290	-0.20185	0.20310	0.15168
2	1.07290	0.00321	-0.00202	-0.00116
3	1.07290	-0.00202	0.00471	0.00002
4	1.07290	-0.00116	0.00002	0.00112

Obs	_RMSE_	Intercept	A	C
1	1.00872	-0.18806	0.10225	0.18523
2	1.00872	0.00280	-0.00177	-0.00101
3	1.00872	-0.00177	0.00419	0.00003
4	1.00872	-0.00101	0.00003	0.00098

Obs	_RMSE_	Intercept	A	C
1	1.05621	-0.13472	0.25197	0.14126
2	1.05621	0.00298	-0.00190	-0.00109
3	1.05621	-0.000190	0.00471	0.00007
4	1.05621	-0.000109	0.00007	0.00103

Obs	_RMSE_	Intercept	A	C
1	1.02597	-0.23177	0.10220	0.23832
2	1.02597	0.00294	-0.00177	-0.00105
3	1.02597	-0.00177	0.00435	-0.00001
4	1.02597	-0.00105	-0.00001	0.00096

Obs	_RMSE_	Intercept	A	C
1	1.05672	-0.082746	0.12321	0.14511
2	1.05672	0.003091	-0.00199	-0.00109
3	1.05672	-0.001987	0.00461	0.00007
4	1.05672	-0.001092	0.00007	0.00101

Obs	_RMSE_	Intercept	A	C
1	1.05844	-0.19703	0.24870	0.18737
2	1.05844	0.00300	-0.00188	-0.00108
3	1.05844	-0.00188	0.00458	-0.00009
4	1.05844	-0.00108	-0.00009	0.00112

## The LOGISTIC Procedure

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

Number of Observations Read	100000
Number of Observations Used	100000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	5323
2	0	94677

Probability modeled is Y\_bin\_int='1'.

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	41585.626	40973.227
SC	41595.139	41020.792
-2 Log L	41583.626	40963.227

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	620.3993	4	<.0001	
Score	639.5187	4	<.0001	
Wald	631.3180	4	<.0001	

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2976	0.0268	15149.4115	<.0001
A	1	0.2059	0.0294	49.1301	<.0001
M_cont	1	0.0598	0.0190	9.9545	0.0016
int	1	0.1477	0.0262	31.7098	<.0001
C	1	0.2572	0.0141	331.1606	<.0001

## The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
A	1.229	1.160	1.301
M_cont	1.062	1.023	1.102
int	1.159	1.101	1.220
C	1.293	1.258	1.330

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	59.3	Somers' D	0.185
Percent Discordant	40.7	Gamma	0.185
Percent Tied	0.0	Tau-a	0.019
Pairs	503965671	c	0.593

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3655.87428	1827.93714	1659.25	<.0001
Error	99997	110163	1.10166		
Corrected Total	99999	113819			

Root MSE	1.04960	R-Square	0.0321
Dependent Mean	0.06254	Adj R-Sq	0.0321
Coeff Var	1678.39533		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.18430	0.00551	-33.44	<.0001
A	1	0.18012	0.00671	26.83	<.0001
C	1	0.16578	0.00324	51.16	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.04960	-0.18430	0.18012	0.16578
2	1.04960	0.00003	-0.00002	-0.00001
3	1.04960	-0.00002	0.00005	0.00000
4	1.04960	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.27016	0.33071	0.73560	1.96583
2	marginal pnde	1.28846	0.33125	0.72548	1.98558
3	marginal pnie	1.01148	0.03426	0.94820	1.08432
4	marginal tnde	1.32844	0.35395	0.70130	2.09256
5	marginal tnie	1.04007	0.03645	0.98260	1.11478
6	marginal total effect	1.34166	0.35169	0.70228	2.08566
7	conditional cde	1.27016	0.33071	0.73560	1.96583
8	conditional pnde	1.28747	0.33078	0.72607	1.98502
9	conditional pnie	1.01148	0.03426	0.94820	1.08432
10	conditional tnde	1.32735	0.35319	0.70187	2.08575
11	conditional tnie	1.04007	0.03645	0.98260	1.11478
12	conditional total effect	1.34059	0.35107	0.70191	2.08507

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-198.4041	
Full Log Likelihood		-198.4041	
AIC (smaller is better)		406.8082	
AICC (smaller is better)		406.8686	
BIC (smaller is better)		431.3470	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06761	-0.03536	0.0008083	0.003066	-0.02483
Prm2	-0.03536	0.08006	0.003716	-0.01574	0.0007249
Prm3	0.0008083	0.003716	0.03455	-0.03401	-0.003482
Prm4	0.003066	-0.01574	-0.03401	0.06180	0.0005873
Prm5	-0.02483	0.0007249	-0.003482	0.0005873	0.01855

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4416	0.2600	-3.9512	-2.9319	175.18	<.0001
A	1	0.2899	0.2829	-0.2647	0.8444	1.05	0.3056
M_cont	1	0.0366	0.1859	-0.3277	0.4009	0.04	0.8439
int	1	0.0216	0.2486	-0.4657	0.5088	0.01	0.9308
C	1	0.2814	0.1362	0.0145	0.5484	4.27	0.0388
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04077	-0.11307	0.25080	0.13704
2	1.04077	0.00282	-0.00167	-0.00106
3	1.04077	-0.00167	0.00463	-0.00006
4	1.04077	-0.00106	-0.00006	0.00104

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.8506	0.0000	-0.8506	-0.8506	.	.
A	0	0.3048	0.0000	0.3048	0.3048	.	.
M_cont	0	0.1217	0.0000	0.1217	0.1217	.	.
int	0	-0.0465	0.0000	-0.0465	-0.0465	.	.
C	0	0.1091	0.0000	0.1091	0.1091	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05151	-0.16653	0.15772	0.13183
2	1.05151	0.00307	-0.00197	-0.00111
3	1.05151	-0.00197	0.00454	0.00006
4	1.05151	-0.00111	0.00006	0.00106

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7627	0.0000	-0.7627	-0.7627	.	.
A	0	0.2113	0.0000	0.2113	0.2113	.	.
M_cont	0	0.2981	0.0000	0.2981	0.2981	.	.
int	0	-0.1790	0.0000	-0.1790	-0.1790	.	.
C	0	0.0501	0.0000	0.0501	0.0501	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03657	-0.23515	0.26160	0.17311
2	1.03657	0.00309	-0.00195	-0.00112
3	1.03657	-0.00195	0.00442	0.00009
4	1.03657	-0.00112	0.00009	0.00101

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	57
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	57
2	0	943

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-214.2780		
Full Log Likelihood		-214.2780		
AIC (smaller is better)		438.5559		
AICC (smaller is better)		438.6163		
BIC (smaller is better)		463.0947		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07102	-0.04524	-0.003304	0.005895	-0.02166
Prm2	-0.04524	0.07142	0.008105	-0.01246	0.001503
Prm3	-0.003304	0.008105	0.03891	-0.03843	-0.004034
Prm4	0.005895	-0.01246	-0.03843	0.05896	0.002008
Prm5	-0.02166	0.001503	-0.004034	0.002008	0.01694

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3999	0.2665	-3.9223	-2.8776	162.77	<.0001
A	1	0.6034	0.2672	0.0796	1.1272	5.10	0.0240
M_cont	1	0.2117	0.1973	-0.1749	0.5983	1.15	0.2831
int	1	-0.1975	0.2428	-0.6734	0.2784	0.66	0.4161
C	1	0.1826	0.1302	-0.0725	0.4377	1.97	0.1607
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06418	-0.23472	0.21408	0.16381
2	1.06418	0.00321	-0.00207	-0.00110
3	1.06418	-0.00207	0.00457	-0.00000
4	1.06418	-0.00110	-0.00000	0.00105

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-206.4561	
Full Log Likelihood		-206.4561	
AIC (smaller is better)		422.9121	
AICC (smaller is better)		422.9725	
BIC (smaller is better)		447.4509	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06281	-0.03857	-0.000285	0.002261	-0.02063
Prm2	-0.03857	0.07490	0.005592	-0.01599	-0.000391
Prm3	-0.000285	0.005592	0.03807	-0.03764	-0.004517
Prm4	0.002261	-0.01599	-0.03764	0.06459	0.002804
Prm5	-0.02063	-0.000391	-0.004517	0.002804	0.01789

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3408	0.2506	-3.8320	-2.8497	177.71	<.0001
A	1	0.4849	0.2737	-0.0515	1.0213	3.14	0.0764
M_cont	1	0.1405	0.1951	-0.2419	0.5229	0.52	0.4714
int	1	0.0215	0.2541	-0.4766	0.5196	0.01	0.9327
C	1	0.1552	0.1338	-0.1069	0.4174	1.35	0.2458
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02806	-0.22933	0.18959	0.19035
2	1.02806	0.00272	-0.00171	-0.00097
3	1.02806	-0.00171	0.00439	-0.00007
4	1.02806	-0.00097	-0.00007	0.00100

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	62
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	62
2	0	938

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-231.0725		
Full Log Likelihood		-231.0725		
AIC (smaller is better)		472.1451		
AICC (smaller is better)		472.2054		
BIC (smaller is better)		496.6838		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.05289	-0.03051	0.0005808	-1.506E-8	-0.01894
Prm2	-0.03051	0.06165	0.001531	-0.006525	0.001556
Prm3	0.0005808	0.001531	0.02595	-0.02589	-0.001788
Prm4	-1.506E-8	-0.006525	-0.02589	0.05648	0.001336
Prm5	-0.01894	0.001556	-0.001788	0.001336	0.01471

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0370	0.2300	-3.4878	-2.5863	174.39	<.0001
A	1	0.0909	0.2483	-0.3958	0.5775	0.13	0.7144
M_cont	1	0.0509	0.1611	-0.2648	0.3666	0.10	0.7518
int	1	-0.0610	0.2377	-0.5268	0.4048	0.07	0.7976
C	1	0.1898	0.1213	-0.0480	0.4275	2.45	0.1177
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02764	-0.087009	0.18222	0.069719
2	1.02764	0.003004	-0.00192	-0.001052
3	1.02764	-0.001919	0.00427	0.000002
4	1.02764	-0.001052	0.00000	0.001017

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	60
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	60
2	0	940

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-217.5392	
Full Log Likelihood		-217.5392	
AIC (smaller is better)		445.0784	
AICC (smaller is better)		445.1388	
BIC (smaller is better)		469.6172	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06682	-0.03645	-0.004462	0.006644	-0.02254
Prm2	-0.03645	0.07800	0.007594	-0.02651	0.003152
Prm3	-0.004462	0.007594	0.02651	-0.02629	-0.002325
Prm4	0.006644	-0.02651	-0.02629	0.05183	0.0009316
Prm5	-0.02254	0.003152	-0.002325	0.0009316	0.01439

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4525	0.2585	-3.9591	-2.9458	178.38	<.0001
A	1	0.1184	0.2793	-0.4290	0.6658	0.18	0.6716
M_cont	1	0.1621	0.1628	-0.1570	0.4812	0.99	0.3194
int	1	0.1927	0.2277	-0.2535	0.6389	0.72	0.3974
C	1	0.4000	0.1199	0.1649	0.6351	11.12	0.0009
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04293	-0.071494	0.17944	0.11818
2	1.04293	0.002934	-0.00193	-0.00102
3	1.04293	-0.001926	0.00447	0.00005
4	1.04293	-0.001020	0.00005	0.00098

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7132	0.0000	-0.7132	-0.7132	.	.
A	0	-0.0318	0.0000	-0.0318	-0.0318	.	.
M_cont	0	0.0464	0.0000	0.0464	0.0464	.	.
int	0	0.1404	0.0000	0.1404	0.1404	.	.
C	0	0.1152	0.0000	0.1152	0.1152	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06614	-0.13460	0.051349	0.18354
2	1.06614	0.00337	-0.002138	-0.00120
3	1.06614	-0.00214	0.004608	0.00008
4	1.06614	-0.00120	0.000082	0.00109

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6994	0.0000	-0.6994	-0.6994	.	.
A	0	0.0046	0.0000	0.0046	0.0046	.	.
M_cont	0	-0.0526	0.0000	-0.0526	-0.0526	.	.
int	0	0.2347	0.0000	0.2347	0.2347	.	.
C	0	0.1072	0.0000	0.1072	0.1072	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01761	-0.17532	0.21431	0.14767
2	1.01761	0.00292	-0.00183	-0.00105
3	1.01761	-0.00183	0.00419	-0.00004
4	1.01761	-0.00105	-0.00004	0.00104

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6799	0.0000	-0.6799	-0.6799	.	.
A	0	0.1392	0.0000	0.1392	0.1392	.	.
M_cont	0	-0.0280	0.0000	-0.0280	-0.0280	.	.
int	0	0.1378	0.0000	0.1378	0.1378	.	.
C	0	0.0657	0.0000	0.0657	0.0657	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01087	-0.15487	0.064628	0.15782
2	1.01087	0.00271	-0.001769	-0.00092
3	1.01087	-0.00177	0.004187	-0.00000
4	1.01087	-0.00092	-0.000002	0.00090

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-202.7195		
Full Log Likelihood		-202.7195		
AIC (smaller is better)		415.4389		
AICC (smaller is better)		415.4993		
BIC (smaller is better)		439.9777		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06695	-0.03939	-0.005404	0.006853	-0.02247
Prm2	-0.03939	0.08533	0.01123	-0.02667	0.001853
Prm3	-0.005404	0.01123	0.03118	-0.03087	-0.004749
Prm4	0.006853	-0.02667	-0.03087	0.05627	0.003666
Prm5	-0.02247	0.001853	-0.004749	0.003666	0.01681

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2472	0.2587	-3.7544	-2.7401	157.50	<.0001
A	1	0.0112	0.2921	-0.5613	0.5837	0.00	0.9695
M_cont	1	0.3130	0.1766	-0.0331	0.6591	3.14	0.0763
int	1	-0.0580	0.2372	-0.5230	0.4069	0.06	0.8068
C	1	0.1908	0.1297	-0.0633	0.4449	2.17	0.1411
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07133	-0.17314	0.22551	0.13894
2	1.07133	0.00333	-0.00210	-0.00115
3	1.07133	-0.00210	0.00465	0.00003
4	1.07133	-0.00115	0.00003	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	57
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	57
2	0	943

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-212.9556	
Full Log Likelihood		-212.9556	
AIC (smaller is better)		435.9112	
AICC (smaller is better)		435.9715	
BIC (smaller is better)		460.4500	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07324	-0.04614	-0.007292	0.01068	-0.02254
Prm2	-0.04614	0.07437	0.01114	-0.01955	0.002047
Prm3	-0.007292	0.01114	0.03540	-0.03492	-0.003200
Prm4	0.01068	-0.01955	-0.03492	0.05743	0.0006379
Prm5	-0.02254	0.002047	-0.003200	0.0006379	0.01705

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4778	0.2706	-4.0082	-2.9474	165.14	<.0001
A	1	0.5912	0.2727	0.0567	1.1257	4.70	0.0302
M_cont	1	0.2125	0.1882	-0.1563	0.5813	1.28	0.2587
int	1	-0.0632	0.2396	-0.5328	0.4065	0.07	0.7921
C	1	0.2379	0.1306	-0.0181	0.4938	3.32	0.0685
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05766	-0.14799	0.10651	0.16296
2	1.05766	0.00327	-0.00208	-0.00119
3	1.05766	-0.00208	0.00455	0.00008
4	1.05766	-0.00119	0.00008	0.00112

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-153.1671	
Full Log Likelihood		-153.1671	
AIC (smaller is better)		316.3343	
AICC (smaller is better)		316.3946	
BIC (smaller is better)		340.8730	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.10514	-0.06240	0.01094	-0.003678	-0.03494
Prm2	-0.06240	0.11052	-0.007889	-0.000944	0.003275
Prm3	0.01094	-0.007889	0.05001	-0.04949	-0.002492
Prm4	-0.003678	-0.000944	-0.04949	0.08579	-0.002886
Prm5	-0.03494	0.003275	-0.002492	-0.002886	0.02588

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.7876	0.3243	-4.4231	-3.1521	136.44	<.0001
A	1	0.3470	0.3324	-0.3046	0.9986	1.09	0.2966
M_cont	1	-0.1595	0.2236	-0.5978	0.2788	0.51	0.4757
int	1	0.1136	0.2929	-0.4605	0.6876	0.15	0.6983
C	1	0.2511	0.1609	-0.0642	0.5665	2.44	0.1186
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08555	-0.19071	0.22252	0.18470
2	1.08555	0.00336	-0.00219	-0.00115
3	1.08555	-0.00219	0.00476	0.00004
4	1.08555	-0.00115	0.00004	0.00109

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	57
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	57
2	0	943

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-214.4096		
Full Log Likelihood		-214.4096		
AIC (smaller is better)		438.8191		
AICC (smaller is better)		438.8795		
BIC (smaller is better)		463.3579		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06146	-0.04027	0.006980	-0.004647	-0.01890
Prm2	-0.04027	0.07356	-0.004447	-0.007090	-0.0000073
Prm3	0.006980	-0.004447	0.03640	-0.03612	-0.002260
Prm4	-0.004647	-0.007090	-0.03612	0.06087	0.0001708
Prm5	-0.01890	-0.0000073	-0.002260	0.0001708	0.01693

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3022	0.2479	-3.7881	-2.8162	177.41	<.0001
A	1	0.4764	0.2712	-0.0551	1.0080	3.09	0.0790
M_cont	1	-0.1251	0.1908	-0.4990	0.2489	0.43	0.5120
int	1	0.3503	0.2467	-0.1332	0.8339	2.02	0.1556
C	1	0.1474	0.1301	-0.1076	0.4024	1.28	0.2573
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03032	-0.13205	0.16740	0.13572
2	1.03032	0.00279	-0.00186	-0.00094
3	1.03032	-0.00186	0.00430	-0.00005
4	1.03032	-0.00094	-0.00005	0.00099

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.8864	0.0000	-0.8864	-0.8864	.	.
A	0	0.0215	0.0000	0.0215	0.0215	.	.
M_cont	0	0.0619	0.0000	0.0619	0.0619	.	.
int	0	0.0405	0.0000	0.0405	0.0405	.	.
C	0	0.1969	0.0000	0.1969	0.1969	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05050	-0.20872	0.19480	0.21546
2	1.05050	0.00304	-0.00188	-0.00110
3	1.05050	-0.00188	0.00453	-0.00003
4	1.05050	-0.00110	-0.00003	0.00108

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.5873	0.0000	-0.5873	-0.5873	.	.
A	0	-0.1038	0.0000	-0.1038	-0.1038	.	.
M_cont	0	-0.0187	0.0000	-0.0187	-0.0187	.	.
int	0	0.2593	0.0000	0.2593	0.2593	.	.
C	0	0.0685	0.0000	0.0685	0.0685	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04631	-0.17451	0.22135	0.14174
2	1.04631	0.00312	-0.00201	-0.00115
3	1.04631	-0.00201	0.00448	0.00009
4	1.04631	-0.00115	0.00009	0.00110

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-161.7867	
Full Log Likelihood		-161.7867	
AIC (smaller is better)		333.5734	
AICC (smaller is better)		333.6337	
BIC (smaller is better)		358.1121	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.11886	-0.06709	0.01188	-0.009616	-0.03542
Prm2	-0.06709	0.11048	-0.006357	-0.009713	0.001179
Prm3	0.01188	-0.006357	0.05453	-0.05429	-0.003779
Prm4	-0.009616	-0.009713	-0.05429	0.08025	0.002282
Prm5	-0.03542	0.001179	-0.003779	0.002282	0.02343

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-4.1993	0.3448	-4.8750	-3.5236	148.36	<.0001
A	1	0.8445	0.3324	0.1930	1.4959	6.45	0.0111
M_cont	1	-0.1626	0.2335	-0.6203	0.2951	0.48	0.4862
int	1	0.3865	0.2833	-0.1687	0.9418	1.86	0.1724
C	1	0.4048	0.1531	0.1047	0.7048	6.99	0.0082
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05600	-0.18398	0.25187	0.16888
2	1.05600	0.00297	-0.00182	-0.00106
3	1.05600	-0.00182	0.00463	-0.00005
4	1.05600	-0.000106	-0.00005	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	57
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	57
2	0	943

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-214.7153		
Full Log Likelihood		-214.7153		
AIC (smaller is better)		439.4305		
AICC (smaller is better)		439.4909		
BIC (smaller is better)		463.9693		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06537	-0.03857	0.007182	-0.004380	-0.02307
Prm2	-0.03857	0.07133	-0.003439	-0.007963	0.003283
Prm3	0.007182	-0.003439	0.03196	-0.03157	-0.003221
Prm4	-0.004380	-0.007963	-0.03157	0.05674	0.001153
Prm5	-0.02307	0.003283	-0.003221	0.001153	0.01703

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3880	0.2557	-3.8891	-2.8868	175.59	<.0001
A	1	0.4415	0.2671	-0.0820	0.9650	2.73	0.0983
M_cont	1	-0.1501	0.1788	-0.5005	0.2004	0.70	0.4013
int	1	0.2104	0.2382	-0.2564	0.6773	0.78	0.3770
C	1	0.2735	0.1305	0.0178	0.5293	4.39	0.0361
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04707	-0.15232	0.30266	0.16733
2	1.04707	0.00291	-0.00190	-0.00105
3	1.04707	-0.00190	0.00456	0.00007
4	1.04707	-0.00105	0.00007	0.00102

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-189.5334		
Full Log Likelihood		-189.5334		
AIC (smaller is better)		389.0669		
AICC (smaller is better)		389.1272		
BIC (smaller is better)		413.6057		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07890	-0.04624	0.003500	-0.001900	-0.02620
Prm2	-0.04624	0.08002	-0.001273	-0.002340	0.003255
Prm3	0.003500	-0.001273	0.03598	-0.03587	-0.001786
Prm4	-0.001900	-0.002340	-0.03587	0.06479	0.0006623
Prm5	-0.02620	0.003255	-0.001786	0.0006623	0.01840

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5658	0.2809	-4.1163	-3.0153	161.15	<.0001
A	1	0.4425	0.2829	-0.1120	0.9969	2.45	0.1178
M_cont	1	-0.0652	0.1897	-0.4370	0.3065	0.12	0.7309
int	1	0.0141	0.2545	-0.4848	0.5129	0.00	0.9560
C	1	0.2744	0.1356	0.0085	0.5402	4.09	0.0431
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08369	-0.11941	0.16735	0.12108
2	1.08369	0.00329	-0.00216	-0.00116
3	1.08369	-0.00216	0.00482	0.00011
4	1.08369	-0.00116	0.00011	0.00107

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.5626	0.0000	-0.5626	-0.5626	.	.
A	0	-0.4152	0.0000	-0.4152	-0.4152	.	.
M_cont	0	0.0764	0.0000	0.0764	0.0764	.	.
int	0	0.2635	0.0000	0.2635	0.2635	.	.
C	0	0.0359	0.0000	0.0359	0.0359	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02749	-0.10140	0.14766	0.13330
2	1.02749	0.00291	-0.00184	-0.00105
3	1.02749	-0.00184	0.00433	0.00001
4	1.02749	-0.00105	0.00001	0.00102

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-193.0713		
Full Log Likelihood		-193.0713		
AIC (smaller is better)		396.1426		
AICC (smaller is better)		396.2029		
BIC (smaller is better)		420.6813		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07829	-0.03773	0.001984	0.003147	-0.02830
Prm2	-0.03773	0.08059	0.003522	-0.01419	0.002327
Prm3	0.001984	0.003522	0.03256	-0.03187	-0.003842
Prm4	0.003147	-0.01419	-0.03187	0.06019	0.0005558
Prm5	-0.02830	0.002327	-0.003842	0.0005558	0.01812

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5952	0.2798	-4.1436	-3.0468	165.10	<.0001
A	1	0.1118	0.2839	-0.4446	0.6682	0.16	0.6937
M_cont	1	-0.0417	0.1805	-0.3954	0.3119	0.05	0.8170
int	1	0.0948	0.2453	-0.3861	0.5756	0.15	0.6992
C	1	0.4264	0.1346	0.1626	0.6903	10.03	0.0015
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04520	-0.12328	0.096487	0.18799
2	1.04520	0.00290	-0.001861	-0.00099
3	1.04520	-0.00186	0.004506	0.00000
4	1.04520	-0.00099	0.000000	0.00095

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-183.4976		
Full Log Likelihood		-183.4976		
AIC (smaller is better)		376.9953		
AICC (smaller is better)		377.0557		
BIC (smaller is better)		401.5341		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07329	-0.04825	-0.008045	0.01094	-0.02366
Prm2	-0.04825	0.09149	0.01533	-0.01757	0.002066
Prm3	-0.008045	0.01533	0.03392	-0.03307	-0.006881
Prm4	0.01094	-0.01757	-0.03307	0.07130	0.004384
Prm5	-0.02366	0.002066	-0.006881	0.004384	0.02041

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2888	0.2707	-3.8194	-2.7582	147.59	<.0001
A	1	0.1512	0.3025	-0.4417	0.7440	0.25	0.6172
M_cont	1	0.3786	0.1842	0.0177	0.7396	4.23	0.0398
int	1	-0.5405	0.2670	-1.0639	-0.0172	4.10	0.0429
C	1	0.0919	0.1428	-0.1881	0.3719	0.41	0.5201
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06410	-0.22153	0.25487	0.20606
2	1.06410	0.00332	-0.00216	-0.00116
3	1.06410	-0.00216	0.00458	0.00009
4	1.06410	-0.00116	0.00009	0.00107

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.8193	0.0000	-0.8193	-0.8193	.	.
A	0	0.1409	0.0000	0.1409	0.1409	.	.
M_cont	0	0.0727	0.0000	0.0727	0.0727	.	.
int	0	0.0258	0.0000	0.0258	0.0258	.	.
C	0	0.1138	0.0000	0.1138	0.1138	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04010	-0.13640	0.10140	0.15079
2	1.04010	0.00292	-0.00196	-0.00103
3	1.04010	-0.000196	0.00445	0.00009
4	1.04010	-0.000103	0.00009	0.00100

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-1.0102	0.0000	-1.0102	-1.0102	.	.
A	0	0.2015	0.0000	0.2015	0.2015	.	.
M_cont	0	0.2393	0.0000	0.2393	0.2393	.	.
int	0	-0.3555	0.0000	-0.3555	-0.3555	.	.
C	0	0.1929	0.0000	0.1929	0.1929	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07044	-0.066645	0.049105	0.11248
2	1.07044	0.003141	-0.001948	-0.00109
3	1.07044	-0.001948	0.004668	-0.00008
4	1.07044	-0.001088	-0.000078	0.00106

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	62
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	62
2	0	938

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6032	0.0000	-0.6032	-0.6032	.	.
A	0	-0.0170	0.0000	-0.0170	-0.0170	.	.
M_cont	0	0.0232	0.0000	0.0232	0.0232	.	.
int	0	0.1784	0.0000	0.1784	0.1784	.	.
C	0	0.0685	0.0000	0.0685	0.0685	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05089	-0.11988	0.16375	0.11834
2	1.05089	0.00316	-0.00195	-0.00108
3	1.05089	-0.000195	0.00446	-0.00008
4	1.05089	-0.000108	-0.00008	0.00104

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-192.6187		
Full Log Likelihood		-192.6187		
AIC (smaller is better)		395.2374		
AICC (smaller is better)		395.2978		
BIC (smaller is better)		419.7762		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07475	-0.04449	0.01327	-0.01234	-0.02432
Prm2	-0.04449	0.08025	-0.009794	0.006490	0.0005122
Prm3	0.01327	-0.009794	0.04105	-0.04094	-0.002793
Prm4	-0.01234	0.006490	-0.04094	0.06963	0.002058
Prm5	-0.02432	0.0005122	-0.002793	0.002058	0.01913

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5006	0.2734	-4.0365	-2.9648	163.93	<.0001
A	1	0.4151	0.2833	-0.1401	0.9704	2.15	0.1428
M_cont	1	-0.2247	0.2026	-0.6218	0.1724	1.23	0.2674
int	1	0.2065	0.2639	-0.3107	0.7236	0.61	0.4340
C	1	0.2426	0.1383	-0.0285	0.5137	3.08	0.0794
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04943	-0.16057	0.15558	0.12452
2	1.04943	0.00293	-0.00190	-0.00101
3	1.04943	-0.000190	0.00449	-0.00005
4	1.04943	-0.000101	-0.00005	0.00103

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6795	0.0000	-0.6795	-0.6795	.	.
A	0	0.0607	0.0000	0.0607	0.0607	.	.
M_cont	0	0.0566	0.0000	0.0566	0.0566	.	.
int	0	0.0567	0.0000	0.0567	0.0567	.	.
C	0	0.0991	0.0000	0.0991	0.0991	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01271	-0.25821	0.20940	0.26240
2	1.01271	0.00296	-0.00184	-0.00108
3	1.01271	-0.00184	0.00415	-0.00000
4	1.01271	-0.000108	-0.00000	0.00104

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-141.1564	
Full Log Likelihood		-141.1564	
AIC (smaller is better)		292.3127	
AICC (smaller is better)		292.3731	
BIC (smaller is better)		316.8515	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.11532	-0.06325	0.006225	-0.005459	-0.03995
Prm2	-0.06325	0.12750	-0.000065	-0.02217	0.001923
Prm3	0.006225	-0.000065	0.06086	-0.06077	-0.004725
Prm4	-0.005459	-0.02217	-0.06077	0.10503	0.004166
Prm5	-0.03995	0.001923	-0.004725	0.004166	0.02917

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.9958	0.3396	-4.6614	-3.3303	138.45	<.0001
A	1	0.3648	0.3571	-0.3350	1.0647	1.04	0.3069
M_cont	1	-0.0036	0.2467	-0.4871	0.4799	0.00	0.9884
int	1	0.3379	0.3241	-0.2973	0.9731	1.09	0.2972
C	1	0.3221	0.1708	-0.0127	0.6568	3.56	0.0594
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02935	-0.13296	0.10666	0.089886
2	1.02935	0.00279	-0.00177	-0.001010
3	1.02935	-0.00177	0.00439	-0.000017
4	1.02935	-0.00101	-0.00002	0.001016

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-211.5032		
Full Log Likelihood		-211.5032		
AIC (smaller is better)		433.0063		
AICC (smaller is better)		433.0667		
BIC (smaller is better)		457.5451		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06365	-0.03231	0.001611	0.003622	-0.02343
Prm2	-0.03231	0.06991	0.002559	-0.01074	0.001300
Prm3	0.001611	0.002559	0.02731	-0.02662	-0.003117
Prm4	0.003622	-0.01074	-0.02662	0.05811	-0.000578
Prm5	-0.02343	0.001300	-0.003117	-0.000578	0.01655

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3412	0.2523	-3.8357	-2.8467	175.38	<.0001
A	1	0.0494	0.2644	-0.4688	0.5676	0.03	0.8518
M_cont	1	0.0191	0.1653	-0.3048	0.3430	0.01	0.9080
int	1	0.0030	0.2411	-0.4694	0.4755	0.00	0.9900
C	1	0.3637	0.1286	0.1115	0.6158	7.99	0.0047
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00400	-0.19528	0.12786	0.19756
2	1.00400	0.00272	-0.00179	-0.00094
3	1.00400	-0.00179	0.00410	0.00000
4	1.00400	-0.00094	0.00000	0.00094

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-191.1686		
Full Log Likelihood		-191.1686		
AIC (smaller is better)		392.3371		
AICC (smaller is better)		392.3975		
BIC (smaller is better)		416.8759		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07273	-0.03872	0.001202	0.0002165	-0.02891
Prm2	-0.03872	0.08250	0.001976	-0.006006	0.003464
Prm3	0.001202	0.001976	0.03197	-0.03184	-0.002701
Prm4	0.0002165	-0.006006	-0.03184	0.06765	0.001640
Prm5	-0.02891	0.003464	-0.002701	0.001640	0.02163

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3284	0.2697	-3.8570	-2.7998	152.31	<.0001
A	1	0.0688	0.2872	-0.4941	0.6318	0.06	0.8106
M_cont	1	0.0823	0.1788	-0.2682	0.4327	0.21	0.6453
int	1	-0.1192	0.2601	-0.6289	0.3906	0.21	0.6468
C	1	0.2287	0.1471	-0.0596	0.5169	2.42	0.1200
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08042	-0.15638	0.19801	0.10199
2	1.08042	0.00343	-0.00208	-0.00135
3	1.08042	-0.00208	0.00484	0.00010
4	1.08042	-0.00135	0.00010	0.00125

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	64
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	64
2	0	936

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-233.9002		
Full Log Likelihood		-233.9002		
AIC (smaller is better)		477.8004		
AICC (smaller is better)		477.8608		
BIC (smaller is better)		502.3392		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.05120	-0.02721	0.001196	-0.001168	-0.01848
Prm2	-0.02721	0.06140	0.001017	-0.006204	0.001941
Prm3	0.001196	0.001017	0.02287	-0.02286	-0.001705
Prm4	-0.001168	-0.006204	-0.02286	0.05399	0.001686
Prm5	-0.01848	0.001941	-0.001705	0.001686	0.01274

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1040	0.2263	-3.5474	-2.6605	188.19	<.0001
A	1	-0.0497	0.2478	-0.5353	0.4360	0.04	0.8411
M_cont	1	-0.0341	0.1512	-0.3304	0.2623	0.05	0.8218
int	1	0.0364	0.2324	-0.4190	0.4918	0.02	0.8755
C	1	0.3177	0.1129	0.0965	0.5390	7.92	0.0049
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04449	-0.075773	0.11553	0.11456
2	1.04449	0.002954	-0.00196	-0.00102
3	1.04449	-0.001961	0.00446	0.00006
4	1.04449	-0.001017	0.00006	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	61
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	61
2	0	939

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6382	0.0000	-0.6382	-0.6382	.	.
A	0	-0.1721	0.0000	-0.1721	-0.1721	.	.
M_cont	0	-0.0141	0.0000	-0.0141	-0.0141	.	.
int	0	-0.0030	0.0000	-0.0030	-0.0030	.	.
C	0	0.1780	0.0000	0.1780	0.1780	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01381	-0.15427	0.10984	0.20320
2	1.01381	0.00291	-0.00176	-0.00108
3	1.01381	-0.00176	0.00422	-0.00001
4	1.01381	-0.000108	-0.00001	0.00102

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-192.1737		
Full Log Likelihood		-192.1737		
AIC (smaller is better)		394.3474		
AICC (smaller is better)		394.4078		
BIC (smaller is better)		418.8862		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.09224	-0.04505	-0.004378	0.007075	-0.03308
Prm2	-0.04505	0.08047	0.01109	-0.01761	0.004244
Prm3	-0.004378	0.01109	0.03010	-0.02972	-0.004704
Prm4	0.007075	-0.01761	-0.02972	0.06452	0.003056
Prm5	-0.03308	0.004244	-0.004704	0.003056	0.02021

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8215	0.3037	-4.4167	-3.2262	158.32	<.0001
A	1	0.3309	0.2837	-0.2251	0.8869	1.36	0.2434
M_cont	1	0.2423	0.1735	-0.0977	0.5824	1.95	0.1625
int	1	-0.2764	0.2540	-0.7742	0.2215	1.18	0.2766
C	1	0.5239	0.1422	0.2452	0.8026	13.58	0.0002
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03999	-0.14554	0.17062	0.13803
2	1.03999	0.00291	-0.00185	-0.00106
3	1.03999	-0.00185	0.00449	0.00004
4	1.03999	-0.00106	0.00004	0.00102

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	65
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	65
2	0	935

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.5656	0.0000	-0.5656	-0.5656	.	.
A	0	-0.1631	0.0000	-0.1631	-0.1631	.	.
M_cont	0	-0.0092	0.0000	-0.0092	-0.0092	.	.
int	0	0.1287	0.0000	0.1287	0.1287	.	.
C	0	0.1275	0.0000	0.1275	0.1275	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04633	-0.19051	0.25696	0.15771
2	1.04633	0.00295	-0.00172	-0.00111
3	1.04633	-0.00172	0.00456	-0.00011
4	1.04633	-0.00111	-0.00011	0.00110

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	61
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	61
2	0	939

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-223.7680		
Full Log Likelihood		-223.7680		
AIC (smaller is better)		457.5360		
AICC (smaller is better)		457.5964		
BIC (smaller is better)		482.0748		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.05986	-0.03335	0.003342	-0.000226	-0.02078
Prm2	-0.03335	0.06649	0.0009597	-0.01154	0.0004939
Prm3	0.003342	0.0009597	0.03006	-0.02955	-0.003372
Prm4	-0.000226	-0.01154	-0.02955	0.04955	0.0009878
Prm5	-0.02078	0.0004939	-0.003372	0.0009878	0.01591

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3673	0.2447	-3.8469	-2.8878	189.43	<.0001
A	1	0.4393	0.2579	-0.0661	0.9447	2.90	0.0885
M_cont	1	-0.0502	0.1734	-0.3900	0.2896	0.08	0.7720
int	1	0.2326	0.2226	-0.2037	0.6689	1.09	0.2961
C	1	0.2939	0.1261	0.0467	0.5411	5.43	0.0198
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04927	-0.18327	0.17117	0.20441
2	1.04927	0.00286	-0.00182	-0.00103
3	1.04927	-0.00182	0.00459	-0.00001
4	1.04927	-0.000103	-0.00001	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	59
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	59
2	0	941

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6398	0.0000	-0.6398	-0.6398	.	.
A	0	-0.0433	0.0000	-0.0433	-0.0433	.	.
M_cont	0	0.1329	0.0000	0.1329	0.1329	.	.
int	0	-0.0144	0.0000	-0.0144	-0.0144	.	.
C	0	0.1015	0.0000	0.1015	0.1015	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04623	-0.13473	0.11985	0.15897
2	1.04623	0.00294	-0.00187	-0.00104
3	1.04623	-0.00187	0.00454	0.00003
4	1.04623	-0.00104	0.00003	0.00097

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	64
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	64
2	0	936

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-231.3192		
Full Log Likelihood		-231.3192		
AIC (smaller is better)		472.6385		
AICC (smaller is better)		472.6988		
BIC (smaller is better)		497.1773		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.05381	-0.03031	-0.000159	0.0002857	-0.01822
Prm2	-0.03031	0.06798	0.002292	-0.01732	-0.001132
Prm3	-0.000159	0.002292	0.02600	-0.02599	-0.001654
Prm4	0.0002857	-0.01732	-0.02599	0.04905	0.001550
Prm5	-0.01822	-0.001132	-0.001654	0.001550	0.01500

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2062	0.2320	-3.6609	-2.7516	191.04	<.0001
A	1	0.2880	0.2607	-0.2230	0.7990	1.22	0.2693
M_cont	1	0.0609	0.1613	-0.2552	0.3769	0.14	0.7059
int	1	0.3179	0.2215	-0.1162	0.7520	2.06	0.1512
C	1	0.2211	0.1225	-0.0190	0.4612	3.26	0.0711
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05911	-0.10947	0.19308	0.090681
2	1.05911	0.00296	-0.00183	-0.001064
3	1.05911	-0.00183	0.00462	-0.000108
4	1.05911	-0.00106	-0.00011	0.001100

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	62
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	62
2	0	938

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.5993	0.0000	-0.5993	-0.5993	.	.
A	0	-0.0016	0.0000	-0.0016	-0.0016	.	.
M_cont	0	0.0013	0.0000	0.0013	0.0013	.	.
int	0	0.1018	0.0000	0.1018	0.1018	.	.
C	0	0.0955	0.0000	0.0955	0.0955	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05055	-0.24274	0.18927	0.21194
2	1.05055	0.00326	-0.00209	-0.00122
3	1.05055	-0.00209	0.00460	0.00020
4	1.05055	-0.00122	0.00020	0.00107

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-203.4694	
Full Log Likelihood		-203.4694	
AIC (smaller is better)		416.9388	
AICC (smaller is better)		416.9992	
BIC (smaller is better)		441.4776	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.08047	-0.04080	0.004117	-0.001158	-0.02761
Prm2	-0.04080	0.07724	0.003481	-0.01695	0.001635
Prm3	0.004117	0.003481	0.03717	-0.03661	-0.005288
Prm4	-0.001158	-0.01695	-0.03661	0.06087	0.003351
Prm5	-0.02761	0.001635	-0.005288	0.003351	0.01808

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6205	0.2837	-4.1765	-3.0645	162.90	<.0001
A	1	0.3203	0.2779	-0.2244	0.8650	1.33	0.2491
M_cont	1	-0.0230	0.1928	-0.4009	0.3549	0.01	0.9051
int	1	0.2345	0.2467	-0.2491	0.7181	0.90	0.3419
C	1	0.3936	0.1344	0.1301	0.6571	8.57	0.0034
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03565	-0.20528	0.19413	0.19904
2	1.03565	0.00313	-0.00197	-0.00109
3	1.03565	-0.00197	0.00435	0.00004
4	1.03565	-0.00109	0.00004	0.00099

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6285	0.0000	-0.6285	-0.6285	.	.
A	0	0.1367	0.0000	0.1367	0.1367	.	.
M_cont	0	-0.0229	0.0000	-0.0229	-0.0229	.	.
int	0	0.2074	0.0000	0.2074	0.2074	.	.
C	0	-0.0092	0.0000	-0.0092	-0.0092	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06987	-0.14520	0.15452	0.13002
2	1.06987	0.00330	-0.00200	-0.00126
3	1.06987	-0.00200	0.00473	0.00006
4	1.06987	-0.00126	0.00006	0.00117

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	62
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	62
2	0	938

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6519	0.0000	-0.6519	-0.6519	.	.
A	0	-0.0072	0.0000	-0.0072	-0.0072	.	.
M_cont	0	0.0980	0.0000	0.0980	0.0980	.	.
int	0	-0.0403	0.0000	-0.0403	-0.0403	.	.
C	0	0.1199	0.0000	0.1199	0.1199	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03011	-0.11081	0.18060	0.13217
2	1.03011	0.00299	-0.00196	-0.00101
3	1.03011	-0.00196	0.00429	0.00003
4	1.03011	-0.00101	0.00003	0.00096

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-205.4146		
Full Log Likelihood		-205.4146		
AIC (smaller is better)		420.8292		
AICC (smaller is better)		420.8896		
BIC (smaller is better)		445.3680		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06244	-0.03506	0.007558	-0.003980	-0.02334
Prm2	-0.03506	0.07861	-0.003518	-0.01060	0.002470
Prm3	0.007558	-0.003518	0.02822	-0.02769	-0.003445
Prm4	-0.003980	-0.01060	-0.02769	0.06180	0.0007168
Prm5	-0.02334	0.002470	-0.003445	0.0007168	0.01780

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2398	0.2499	-3.7295	-2.7500	168.10	<.0001
A	1	0.0429	0.2804	-0.5066	0.5924	0.02	0.8784
M_cont	1	-0.0798	0.1680	-0.4091	0.2494	0.23	0.6346
int	1	0.1644	0.2486	-0.3228	0.6516	0.44	0.5084
C	1	0.2375	0.1334	-0.0240	0.4989	3.17	0.0751
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05084	-0.26605	0.32316	0.19449
2	1.05084	0.00298	-0.00192	-0.00106
3	1.05084	-0.00192	0.00453	0.00002
4	1.05084	-0.00106	0.00002	0.00104

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7596	0.0000	-0.7596	-0.7596	.	.
A	0	-0.0437	0.0000	-0.0437	-0.0437	.	.
M_cont	0	-0.0375	0.0000	-0.0375	-0.0375	.	.
int	0	0.1391	0.0000	0.1391	0.1391	.	.
C	0	0.1661	0.0000	0.1661	0.1661	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02980	-0.21127	0.19672	0.16712
2	1.02980	0.00281	-0.00172	-0.00099
3	1.02980	-0.00172	0.00435	-0.00012
4	1.02980	-0.00099	-0.00012	0.00101

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-216.2185		
Full Log Likelihood		-216.2185		
AIC (smaller is better)		442.4370		
AICC (smaller is better)		442.4974		
BIC (smaller is better)		466.9758		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07306	-0.03793	-0.000068	0.002547	-0.02656
Prm2	-0.03793	0.06839	0.002866	-0.01186	0.003434
Prm3	-0.000068	0.002866	0.03101	-0.03081	-0.002116
Prm4	0.002547	-0.01186	-0.03081	0.05460	0.0004833
Prm5	-0.02656	0.003434	-0.002116	0.0004833	0.01749

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4530	0.2703	-3.9828	-2.9232	163.19	<.0001
A	1	0.2997	0.2615	-0.2128	0.8123	1.31	0.2517
M_cont	1	0.1325	0.1761	-0.2126	0.4776	0.57	0.4518
int	1	-0.0482	0.2337	-0.5062	0.4098	0.04	0.8366
C	1	0.3658	0.1322	0.1066	0.6250	7.65	0.0057
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03559	-0.26299	0.29092	0.15865
2	1.03559	0.00319	-0.00191	-0.00121
3	1.03559	-0.00191	0.00438	0.00003
4	1.03559	-0.00121	0.00003	0.00112

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-204.6389	
Full Log Likelihood		-204.6389	
AIC (smaller is better)		419.2777	
AICC (smaller is better)		419.3381	
BIC (smaller is better)		443.8165	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06904	-0.03984	0.005281	-0.003184	-0.02456
Prm2	-0.03984	0.07513	-0.000594	-0.01022	0.003351
Prm3	0.005281	-0.000594	0.03172	-0.03138	-0.003943
Prm4	-0.003184	-0.01022	-0.03138	0.06348	0.002420
Prm5	-0.02456	0.003351	-0.003943	0.002420	0.01784

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3780	0.2628	-3.8930	-2.8630	165.27	<.0001
A	1	0.3430	0.2741	-0.1942	0.8802	1.57	0.2108
M_cont	1	-0.0725	0.1781	-0.4215	0.2766	0.17	0.6840
int	1	0.1744	0.2520	-0.3194	0.6683	0.48	0.4888
C	1	0.2362	0.1336	-0.0256	0.4980	3.13	0.0771
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04059	-0.16991	0.16506	0.18306
2	1.04059	0.00298	-0.00192	-0.00107
3	1.04059	-0.00192	0.00449	0.00009
4	1.04059	-0.00107	0.00009	0.00098

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-208.1465		
Full Log Likelihood		-208.1465		
AIC (smaller is better)		426.2929		
AICC (smaller is better)		426.3533		
BIC (smaller is better)		450.8317		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06657	-0.03523	0.004907	-0.001004	-0.02355
Prm2	-0.03523	0.07090	-0.000013	-0.008154	0.0000664
Prm3	0.004907	-0.000013	0.03482	-0.03421	-0.003678
Prm4	-0.001004	-0.008154	-0.03421	0.05727	0.0007532
Prm5	-0.02355	0.0000664	-0.003678	0.0007532	0.01765

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4794	0.2580	-3.9851	-2.9737	181.86	<.0001
A	1	0.3937	0.2663	-0.1281	0.9156	2.19	0.1392
M_cont	1	-0.0360	0.1866	-0.4017	0.3297	0.04	0.8471
int	1	0.1017	0.2393	-0.3674	0.5707	0.18	0.6709
C	1	0.3360	0.1328	0.0757	0.5964	6.40	0.0114
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03332	-0.24497	0.18984	0.21623
2	1.03332	0.00272	-0.00170	-0.00098
3	1.03332	-0.00170	0.00445	-0.00010
4	1.03332	-0.00098	-0.00010	0.00103

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.5943	0.0000	-0.5943	-0.5943	.	.
A	0	-0.1137	0.0000	-0.1137	-0.1137	.	.
M_cont	0	-0.0216	0.0000	-0.0216	-0.0216	.	.
int	0	0.2718	0.0000	0.2718	0.2718	.	.
C	0	0.0462	0.0000	0.0462	0.0462	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05628	-0.14490	0.13788	0.14969
2	1.05628	0.00303	-0.00194	-0.00107
3	1.05628	-0.00194	0.00457	-0.00000
4	1.05628	-0.00107	-0.00000	0.00106

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	62
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	62
2	0	938

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-226.4818		
Full Log Likelihood		-226.4818		
AIC (smaller is better)		462.9635		
AICC (smaller is better)		463.0239		
BIC (smaller is better)		487.5023		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06145	-0.03377	-0.002120	0.004421	-0.02111
Prm2	-0.03377	0.06465	0.006769	-0.01463	0.001067
Prm3	-0.002120	0.006769	0.02478	-0.02439	-0.003546
Prm4	0.004421	-0.01463	-0.02439	0.04510	0.001880
Prm5	-0.02111	0.001067	-0.003546	0.001880	0.01529

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3636	0.2479	-3.8494	-2.8777	184.12	<.0001
A	1	0.3528	0.2543	-0.1456	0.8511	1.92	0.1653
M_cont	1	0.1131	0.1574	-0.1954	0.4216	0.52	0.4725
int	1	0.0338	0.2124	-0.3824	0.4500	0.03	0.8736
C	1	0.3322	0.1236	0.0899	0.5746	7.22	0.0072
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07737	-0.15523	0.074418	0.19748
2	1.07737	0.00316	-0.002018	-0.00115
3	1.07737	-0.00202	0.004779	0.00003
4	1.07737	-0.00115	0.000029	0.00112

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	59
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	59
2	0	941

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6891	0.0000	-0.6891	-0.6891	.	.
A	0	0.0111	0.0000	0.0111	0.0111	.	.
M_cont	0	0.2079	0.0000	0.2079	0.2079	.	.
int	0	-0.0046	0.0000	-0.0046	-0.0046	.	.
C	0	0.0847	0.0000	0.0847	0.0847	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02940	-0.15762	0.21901	0.13309
2	1.02940	0.00287	-0.00184	-0.00103
3	1.02940	-0.00184	0.00436	0.00002
4	1.02940	-0.000103	0.00002	0.00101

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6442	0.0000	-0.6442	-0.6442	.	.
A	0	0.0472	0.0000	0.0472	0.0472	.	.
M_cont	0	0.0457	0.0000	0.0457	0.0457	.	.
int	0	0.0969	0.0000	0.0969	0.0969	.	.
C	0	0.0790	0.0000	0.0790	0.0790	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06212	-0.13077	0.075948	0.19834
2	1.06212	0.00328	-0.002124	-0.00118
3	1.06212	-0.00212	0.004567	0.00008
4	1.06212	-0.00118	0.000077	0.00112

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-171.2873	
Full Log Likelihood		-171.2873	
AIC (smaller is better)		352.5746	
AICC (smaller is better)		352.6350	
BIC (smaller is better)		377.1134	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07952	-0.04266	0.01391	-0.009181	-0.03113
Prm2	-0.04266	0.10654	-0.01015	-0.003537	0.003375
Prm3	0.01391	-0.01015	0.03042	-0.02994	-0.003178
Prm4	-0.009181	-0.003537	-0.02994	0.07551	-0.000382
Prm5	-0.03113	0.003375	-0.003178	-0.000382	0.02344

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4097	0.2820	-3.9624	-2.8570	146.21	<.0001
A	1	-0.2392	0.3264	-0.8789	0.4006	0.54	0.4637
M_cont	1	-0.2616	0.1744	-0.6035	0.0802	2.25	0.1336
int	1	0.3742	0.2748	-0.1644	0.9128	1.85	0.1733
C	1	0.2630	0.1531	-0.0371	0.5630	2.95	0.0859
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.09410	-0.21231	0.13292	0.16247
2	1.09410	0.00336	-0.00214	-0.00125
3	1.09410	-0.00214	0.00490	0.00006
4	1.09410	-0.00125	0.00006	0.00122

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	67
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	67
2	0	933

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-242.8885	
Full Log Likelihood		-242.8885	
AIC (smaller is better)		495.7771	
AICC (smaller is better)		495.8374	
BIC (smaller is better)		520.3158	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.04952	-0.02998	-0.000099	0.002614	-0.01694
Prm2	-0.02998	0.06106	0.002992	-0.01317	0.0009226
Prm3	-0.000099	0.002992	0.02749	-0.02712	-0.002507
Prm4	0.002614	-0.01317	-0.02712	0.04612	0.0004460
Prm5	-0.01694	0.0009226	-0.002507	0.0004460	0.01388

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0313	0.2225	-3.4675	-2.5952	185.54	<.0001
A	1	0.2532	0.2471	-0.2311	0.7375	1.05	0.3055
M_cont	1	0.0414	0.1658	-0.2835	0.3664	0.06	0.8026
int	1	0.1438	0.2148	-0.2771	0.5647	0.45	0.5030
C	1	0.1565	0.1178	-0.0744	0.3874	1.76	0.1841
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04476	-0.13036	0.17935	0.16574
2	1.04476	0.00300	-0.00188	-0.00106
3	1.04476	-0.00188	0.00446	-0.00003
4	1.04476	-0.00106	-0.00003	0.00103

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6597	0.0000	-0.6597	-0.6597	.	.
A	0	-0.1602	0.0000	-0.1602	-0.1602	.	.
M_cont	0	-0.0427	0.0000	-0.0427	-0.0427	.	.
int	0	0.2161	0.0000	0.2161	0.2161	.	.
C	0	0.1200	0.0000	0.1200	0.1200	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02754	-0.13684	0.12937	0.14170
2	1.02754	0.00299	-0.00193	-0.00107
3	1.02754	-0.00193	0.00432	0.00008
4	1.02754	-0.00107	0.00008	0.00100

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7472	0.0000	-0.7472	-0.7472	.	.
A	0	0.1855	0.0000	0.1855	0.1855	.	.
M_cont	0	0.0037	0.0000	0.0037	0.0037	.	.
int	0	0.1739	0.0000	0.1739	0.1739	.	.
C	0	0.0650	0.0000	0.0650	0.0650	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02605	-0.14294	0.15704	0.13179
2	1.02605	0.00297	-0.00186	-0.00111
3	1.02605	-0.00186	0.00432	0.00003
4	1.02605	-0.00111	0.00003	0.00107

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-199.0039		
Full Log Likelihood		-199.0039		
AIC (smaller is better)		408.0077		
AICC (smaller is better)		408.0681		
BIC (smaller is better)		432.5465		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07164	-0.03858	0.01019	-0.006509	-0.02767
Prm2	-0.03858	0.07716	-0.005576	0.001642	0.003782
Prm3	0.01019	-0.005576	0.03409	-0.03358	-0.003861
Prm4	-0.006509	0.001642	-0.03358	0.06752	0.001202
Prm5	-0.02767	0.003782	-0.003861	0.001202	0.01999

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3946	0.2676	-3.9192	-2.8700	160.86	<.0001
A	1	0.1951	0.2778	-0.3493	0.7395	0.49	0.4825
M_cont	1	-0.1756	0.1846	-0.5375	0.1863	0.90	0.3416
int	1	0.1689	0.2598	-0.3404	0.6782	0.42	0.5156
C	1	0.2869	0.1414	0.0097	0.5640	4.12	0.0425
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02950	-0.19957	0.089568	0.17364
2	1.02950	0.00292	-0.001830	-0.00111
3	1.02950	-0.00183	0.004436	0.00007
4	1.02950	-0.00111	0.000072	0.00106

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-184.5820		
Full Log Likelihood		-184.5820		
AIC (smaller is better)		379.1639		
AICC (smaller is better)		379.2243		
BIC (smaller is better)		403.7027		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07600	-0.04614	-0.004929	0.006698	-0.02583
Prm2	-0.04614	0.08546	0.008926	-0.01271	0.001772
Prm3	-0.004929	0.008926	0.03731	-0.03707	-0.003459
Prm4	0.006698	-0.01271	-0.03707	0.07148	0.002034
Prm5	-0.02583	0.001772	-0.003459	0.002034	0.02082

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4462	0.2757	-3.9866	-2.9059	156.28	<.0001
A	1	0.3853	0.2923	-0.1877	0.9582	1.74	0.1875
M_cont	1	0.1442	0.1932	-0.2344	0.5228	0.56	0.4554
int	1	-0.2909	0.2674	-0.8149	0.2331	1.18	0.2765
C	1	0.1702	0.1443	-0.1126	0.4530	1.39	0.2381
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05253	-0.087912	0.23118	0.12924
2	1.05253	0.003099	-0.00197	-0.00112
3	1.05253	-0.001970	0.00455	0.00006
4	1.05253	-0.001123	0.00006	0.00106

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	60
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	60
2	0	940

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.8342	0.0000	-0.8342	-0.8342	.	.
A	0	0.2213	0.0000	0.2213	0.2213	.	.
M_cont	0	0.1349	0.0000	0.1349	0.1349	.	.
int	0	-0.0839	0.0000	-0.0839	-0.0839	.	.
C	0	0.1499	0.0000	0.1499	0.1499	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05163	-0.11066	0.19047	0.14016
2	1.05163	0.00286	-0.00193	-0.00095
3	1.05163	-0.00193	0.00451	-0.00002
4	1.05163	-0.00095	-0.00002	0.00098

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-200.8892	
Full Log Likelihood		-200.8892	
AIC (smaller is better)		411.7784	
AICC (smaller is better)		411.8388	
BIC (smaller is better)		436.3172	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.08234	-0.04852	-0.003048	0.005389	-0.02553
Prm2	-0.04852	0.07667	0.008239	-0.01192	0.0008651
Prm3	-0.003048	0.008239	0.03882	-0.03846	-0.003918
Prm4	0.005389	-0.01192	-0.03846	0.06210	0.002211
Prm5	-0.02553	0.0008651	-0.003918	0.002211	0.01861

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6753	0.2869	-4.2377	-3.1129	164.06	<.0001
A	1	0.6783	0.2769	0.1356	1.2210	6.00	0.0143
M_cont	1	0.1714	0.1970	-0.2148	0.5575	0.76	0.3845
int	1	-0.2490	0.2492	-0.7374	0.2394	1.00	0.3176
C	1	0.3226	0.1364	0.0552	0.5900	5.59	0.0180
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06364	-0.22658	0.27197	0.16169
2	1.06364	0.00319	-0.00203	-0.00113
3	1.06364	-0.00203	0.00458	-0.00002
4	1.06364	-0.00113	-0.00002	0.00111

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.8186	0.0000	-0.8186	-0.8186	.	.
A	0	0.1248	0.0000	0.1248	0.1248	.	.
M_cont	0	-0.1411	0.0000	-0.1411	-0.1411	.	.
int	0	0.2723	0.0000	0.2723	0.2723	.	.
C	0	0.1015	0.0000	0.1015	0.1015	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05886	-0.084267	0.047043	0.15030
2	1.05886	0.002977	-0.001911	-0.00102
3	1.05886	-0.001911	0.004609	-0.00002
4	1.05886	-0.001025	-0.000016	0.00100

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	64
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	64
2	0	936

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6043	0.0000	-0.6043	-0.6043	.	.
A	0	-0.2429	0.0000	-0.2429	-0.2429	.	.
M_cont	0	0.0313	0.0000	0.0313	0.0313	.	.
int	0	0.3752	0.0000	0.3752	0.3752	.	.
C	0	0.1119	0.0000	0.1119	0.1119	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08089	-0.12641	0.12109	0.15606
2	1.08089	0.00318	-0.00203	-0.00113
3	1.08089	-0.00203	0.00478	-0.00000
4	1.08089	-0.00113	-0.00000	0.00111

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7279	0.0000	-0.7279	-0.7279	.	.
A	0	0.0490	0.0000	0.0490	0.0490	.	.
M_cont	0	0.0281	0.0000	0.0281	0.0281	.	.
int	0	0.1863	0.0000	0.1863	0.1863	.	.
C	0	0.0871	0.0000	0.0871	0.0871	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04028	-0.053908	0.11449	0.10088
2	1.04028	0.003079	-0.00195	-0.00105
3	1.04028	-0.001953	0.00439	0.00002
4	1.04028	-0.001048	0.00002	0.00096

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6329	0.0000	-0.6329	-0.6329	.	.
A	0	-0.2180	0.0000	-0.2180	-0.2180	.	.
M_cont	0	-0.0623	0.0000	-0.0623	-0.0623	.	.
int	0	0.3652	0.0000	0.3652	0.3652	.	.
C	0	0.1225	0.0000	0.1225	0.1225	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03918	-0.18398	0.24829	0.15118
2	1.03918	0.00308	-0.00206	-0.00106
3	1.03918	-0.00206	0.00438	0.00010
4	1.03918	-0.00106	0.00010	0.00100

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-186.5436		
Full Log Likelihood		-186.5436		
AIC (smaller is better)		383.0872		
AICC (smaller is better)		383.1476		
BIC (smaller is better)		407.6260		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07748	-0.04058	0.0006433	0.001316	-0.02890
Prm2	-0.04058	0.08639	0.005353	-0.01656	0.002189
Prm3	0.0006433	0.005353	0.03250	-0.03218	-0.004695
Prm4	0.001316	-0.01656	-0.03218	0.06577	0.003278
Prm5	-0.02890	0.002189	-0.004695	0.003278	0.02091

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4685	0.2784	-4.0141	-2.9230	155.28	<.0001
A	1	0.1178	0.2939	-0.4583	0.6938	0.16	0.6887
M_cont	1	0.1504	0.1803	-0.2029	0.5038	0.70	0.4041
int	1	-0.0491	0.2565	-0.5517	0.4536	0.04	0.8483
C	1	0.2895	0.1446	0.0061	0.5730	4.01	0.0453
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08240	-0.23639	0.22464	0.16252
2	1.08240	0.00318	-0.00197	-0.00115
3	1.08240	-0.00197	0.00482	-0.00005
4	1.08240	-0.00115	-0.00005	0.00113

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	62
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	62
2	0	938

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6507	0.0000	-0.6507	-0.6507	.	.
A	0	-0.1139	0.0000	-0.1139	-0.1139	.	.
M_cont	0	-0.0127	0.0000	-0.0127	-0.0127	.	.
int	0	0.1450	0.0000	0.1450	0.1450	.	.
C	0	0.1553	0.0000	0.1553	0.1553	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05312	-0.21359	0.29249	0.15945
2	1.05312	0.00314	-0.00187	-0.00118
3	1.05312	-0.00187	0.00460	0.00000
4	1.05312	-0.00118	0.00000	0.00109

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-197.4383	
Full Log Likelihood		-197.4383	
AIC (smaller is better)		404.8766	
AICC (smaller is better)		404.9369	
BIC (smaller is better)		429.4153	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.08123	-0.04666	0.004828	-0.000128	-0.02876
Prm2	-0.04666	0.07903	-0.000806	-0.009958	0.005756
Prm3	0.004828	-0.000806	0.03427	-0.03372	-0.003346
Prm4	-0.000128	-0.009958	-0.03372	0.06131	0.0002182
Prm5	-0.02876	0.005756	-0.003346	0.0002182	0.01914

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5622	0.2850	-4.1208	-3.0036	156.22	<.0001
A	1	0.3714	0.2811	-0.1796	0.9224	1.75	0.1865
M_cont	1	-0.0532	0.1851	-0.4161	0.3096	0.08	0.7736
int	1	0.1535	0.2476	-0.3318	0.6388	0.38	0.5352
C	1	0.3342	0.1383	0.0631	0.6054	5.84	0.0157
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05029	-0.19379	0.18934	0.17287
2	1.05029	0.00320	-0.00210	-0.00116
3	1.05029	-0.00210	0.00453	0.00016
4	1.05029	-0.00116	0.00016	0.00105

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-185.2123	
Full Log Likelihood		-185.2123	
AIC (smaller is better)		380.4246	
AICC (smaller is better)		380.4850	
BIC (smaller is better)		404.9634	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06405	-0.04279	0.002896	0.0002797	-0.02144
Prm2	-0.04279	0.08711	0.0002615	-0.01171	0.0009868
Prm3	0.002896	0.0002615	0.04020	-0.03973	-0.003183
Prm4	0.0002797	-0.01171	-0.03973	0.06901	0.0001290
Prm5	-0.02144	0.0009868	-0.003183	0.0001290	0.02063

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2629	0.2531	-3.7589	-2.7668	166.21	<.0001
A	1	0.2902	0.2951	-0.2883	0.8686	0.97	0.3256
M_cont	1	0.0386	0.2005	-0.3543	0.4316	0.04	0.8472
int	1	0.1511	0.2627	-0.3637	0.6660	0.33	0.5651
C	1	0.0301	0.1436	-0.2514	0.3116	0.04	0.8338
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06242	-0.21012	0.14432	0.17277
2	1.06242	0.00303	-0.00197	-0.00109
3	1.06242	-0.00197	0.00464	0.00003
4	1.06242	-0.00109	0.00003	0.00109

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	59
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	59
2	0	941

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-216.1414		
Full Log Likelihood		-216.1414		
AIC (smaller is better)		442.2827		
AICC (smaller is better)		442.3431		
BIC (smaller is better)		466.8215		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07530	-0.04790	-0.01022	0.01299	-0.02108
Prm2	-0.04790	0.07473	0.01501	-0.02177	0.0004501
Prm3	-0.01022	0.01501	0.03934	-0.03886	-0.003685
Prm4	0.01299	-0.02177	-0.03886	0.05906	0.001597
Prm5	-0.02108	0.0004501	-0.003685	0.001597	0.01588

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5709	0.2744	-4.1087	-3.0330	169.34	<.0001
A	1	0.7886	0.2734	0.2528	1.3244	8.32	0.0039
M_cont	1	0.2812	0.1984	-0.1075	0.6700	2.01	0.1562
int	1	-0.1637	0.2430	-0.6400	0.3127	0.45	0.5007
C	1	0.2403	0.1260	-0.0067	0.4873	3.64	0.0565
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03822	-0.14523	0.098449	0.16107
2	1.03822	0.00308	-0.001889	-0.00112
3	1.03822	-0.00189	0.004408	0.00001
4	1.03822	-0.00112	0.000010	0.00104

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.8714	0.0000	-0.8714	-0.8714	.	.
A	0	-0.3295	0.0000	-0.3295	-0.3295	.	.
M_cont	0	-0.0259	0.0000	-0.0259	-0.0259	.	.
int	0	0.2654	0.0000	0.2654	0.2654	.	.
C	0	0.2602	0.0000	0.2602	0.2602	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06457	-0.22158	0.11996	0.16917
2	1.06457	0.00298	-0.00191	-0.00103
3	1.06457	-0.00191	0.00471	0.00001
4	1.06457	-0.00103	0.00001	0.00097

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	59
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	59
2	0	941

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-222.0440		
Full Log Likelihood		-222.0440		
AIC (smaller is better)		454.0880		
AICC (smaller is better)		454.1484		
BIC (smaller is better)		478.6268		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.05642	-0.03758	-0.007234	0.009185	-0.01747
Prm2	-0.03758	0.06856	0.01019	-0.01584	0.001228
Prm3	-0.007234	0.01019	0.02992	-0.02961	-0.002739
Prm4	0.009185	-0.01584	-0.02961	0.05415	0.001057
Prm5	-0.01747	0.001228	-0.002739	0.001057	0.01506

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.0559	0.2375	-3.5214	-2.5903	165.50	<.0001
A	1	0.3080	0.2618	-0.2052	0.8212	1.38	0.2394
M_cont	1	0.2971	0.1730	-0.0419	0.6361	2.95	0.0858
int	1	-0.2765	0.2327	-0.7325	0.1796	1.41	0.2348
C	1	0.0455	0.1227	-0.1951	0.2860	0.14	0.7110
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07495	-0.16457	0.19994	0.14816
2	1.07495	0.00341	-0.00218	-0.00118
3	1.07495	-0.00218	0.00469	0.00009
4	1.07495	-0.00118	0.00009	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	61
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	61
2	0	939

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-224.0675		
Full Log Likelihood		-224.0675		
AIC (smaller is better)		458.1350		
AICC (smaller is better)		458.1954		
BIC (smaller is better)		482.6738		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06142	-0.03610	-0.001743	0.005274	-0.02048
Prm2	-0.03610	0.06694	0.003537	-0.01365	0.001337
Prm3	-0.001743	0.003537	0.02926	-0.02901	-0.001451
Prm4	0.005274	-0.01365	-0.02901	0.04872	-0.001219
Prm5	-0.02048	0.001337	-0.001451	-0.001219	0.01549

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3366	0.2478	-3.8223	-2.8509	181.27	<.0001
A	1	0.4645	0.2587	-0.0426	0.9716	3.22	0.0726
M_cont	1	0.0473	0.1711	-0.2880	0.3826	0.08	0.7820
int	1	0.1557	0.2207	-0.2769	0.5883	0.50	0.4805
C	1	0.2452	0.1245	0.0013	0.4892	3.88	0.0488
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08241	-0.11864	0.11128	0.15276
2	1.08241	0.00314	-0.00199	-0.00112
3	1.08241	-0.000199	0.00484	-0.00001
4	1.08241	-0.000112	-0.00001	0.00109

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-209.5162	
Full Log Likelihood		-209.5162	
AIC (smaller is better)		429.0324	
AICC (smaller is better)		429.0928	
BIC (smaller is better)		453.5712	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.04998	-0.02842	0.002974	-0.000980	-0.01860
Prm2	-0.02842	0.07473	0.001939	-0.01020	-0.001114
Prm3	0.002974	0.001939	0.02623	-0.02578	-0.004238
Prm4	-0.000980	-0.01020	-0.02578	0.05919	0.002415
Prm5	-0.01860	-0.001114	-0.004238	0.002415	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	-3.0254	0.2236	-3.4636	-2.5873	183.14	<.0001
A	1	-0.0147	0.2734	-0.5505	0.5211	0.00	0.9571
M_cont	1	0.0781	0.1620	-0.2394	0.3955	0.23	0.6297
int	1	0.0019	0.2433	-0.4749	0.4788	0.00	0.9937
C	1	0.0995	0.1304	-0.1561	0.3551	0.58	0.4456
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06087	-0.24322	0.16406	0.19256
2	1.06087	0.00287	-0.00177	-0.00102
3	1.06087	-0.00177	0.00469	-0.00013
4	1.06087	-0.00102	-0.00013	0.00106

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	57
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	57
2	0	943

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-212.9543		
Full Log Likelihood		-212.9543		
AIC (smaller is better)		435.9086		
AICC (smaller is better)		435.9690		
BIC (smaller is better)		460.4474		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06447	-0.03840	0.01303	-0.01174	-0.01989
Prm2	-0.03840	0.07399	-0.01054	-0.000462	-0.000188
Prm3	0.01303	-0.01054	0.03152	-0.03139	-0.001897
Prm4	-0.01174	-0.000462	-0.03139	0.05653	0.0009046
Prm5	-0.01989	-0.000188	-0.001897	0.0009046	0.01531

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3814	0.2539	-3.8790	-2.8837	177.34	<.0001
A	1	0.4494	0.2720	-0.0837	0.9825	2.73	0.0985
M_cont	1	-0.3134	0.1775	-0.6614	0.0346	3.12	0.0775
int	1	0.5567	0.2378	0.0907	1.0227	5.48	0.0192
C	1	0.2135	0.1238	-0.0290	0.4561	2.98	0.0845
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03993	-0.13506	0.11392	0.12377
2	1.03993	0.00290	-0.00177	-0.00103
3	1.03993	-0.00177	0.00448	-0.00006
4	1.03993	-0.00103	-0.00006	0.00099

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-194.9521	
Full Log Likelihood		-194.9521	
AIC (smaller is better)		399.9043	
AICC (smaller is better)		399.9646	
BIC (smaller is better)		424.4431	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07566	-0.04385	0.004177	-0.003856	-0.02613
Prm2	-0.04385	0.08142	-0.000579	-0.01255	0.002911
Prm3	0.004177	-0.000579	0.03297	-0.03294	-0.002956
Prm4	-0.003856	-0.01255	-0.03294	0.06481	0.002722
Prm5	-0.02613	0.002911	-0.002956	0.002722	0.01908

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5019	0.2751	-4.0410	-2.9628	162.09	<.0001
A	1	0.4289	0.2853	-0.1304	0.9881	2.26	0.1328
M_cont	1	-0.0512	0.1816	-0.4071	0.3047	0.08	0.7781
int	1	0.2526	0.2546	-0.2464	0.7515	0.98	0.3211
C	1	0.2417	0.1381	-0.0290	0.5125	3.06	0.0801
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08203	-0.14454	0.15598	0.14359
2	1.08203	0.00333	-0.00216	-0.00122
3	1.08203	-0.00216	0.00487	0.00016
4	1.08203	-0.00122	0.00016	0.00110

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7044	0.0000	-0.7044	-0.7044	.	.
A	0	-0.0834	0.0000	-0.0834	-0.0834	.	.
M_cont	0	-0.0189	0.0000	-0.0189	-0.0189	.	.
int	0	0.2389	0.0000	0.2389	0.2389	.	.
C	0	0.1394	0.0000	0.1394	0.1394	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01871	-0.21294	0.19114	0.19873
2	1.01871	0.00279	-0.00184	-0.00100
3	1.01871	-0.00184	0.00423	0.00001
4	1.01871	-0.000100	0.00001	0.00105

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7903	0.0000	-0.7903	-0.7903	.	.
A	0	0.1219	0.0000	0.1219	0.1219	.	.
M_cont	0	-0.0308	0.0000	-0.0308	-0.0308	.	.
int	0	0.0694	0.0000	0.0694	0.0694	.	.
C	0	0.1680	0.0000	0.1680	0.1680	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02652	-0.21532	0.24999	0.18112
2	1.02652	0.00289	-0.00170	-0.00112
3	1.02652	-0.00170	0.00440	-0.00005
4	1.02652	-0.00112	-0.00005	0.00109

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6042	0.0000	-0.6042	-0.6042	.	.
A	0	-0.1546	0.0000	-0.1546	-0.1546	.	.
M_cont	0	0.0230	0.0000	0.0230	0.0230	.	.
int	0	0.2130	0.0000	0.2130	0.2130	.	.
C	0	0.0395	0.0000	0.0395	0.0395	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05451	-0.16261	0.27665	0.13893
2	1.05451	0.00316	-0.00212	-0.00108
3	1.05451	-0.00212	0.00450	0.00009
4	1.05451	-0.000108	0.00009	0.00102

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6232	0.0000	-0.6232	-0.6232	.	.
A	0	-0.1442	0.0000	-0.1442	-0.1442	.	.
M_cont	0	-0.0639	0.0000	-0.0639	-0.0639	.	.
int	0	0.3144	0.0000	0.3144	0.3144	.	.
C	0	0.0839	0.0000	0.0839	0.0839	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02184	-0.18090	0.20204	0.14118
2	1.02184	0.00278	-0.00174	-0.00098
3	1.02184	-0.00174	0.00428	-0.00007
4	1.02184	-0.00098	-0.00007	0.00099

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-202.8668		
Full Log Likelihood		-202.8668		
AIC (smaller is better)		415.7335		
AICC (smaller is better)		415.7939		
BIC (smaller is better)		440.2723		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06835	-0.03551	0.003738	-0.003448	-0.02431
Prm2	-0.03551	0.08138	0.0007293	-0.01938	0.001119
Prm3	0.003738	0.0007293	0.03091	-0.03087	-0.003307
Prm4	-0.003448	-0.01938	-0.03087	0.06415	0.003103
Prm5	-0.02431	0.001119	-0.003307	0.003103	0.01717

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3964	0.2614	-3.9088	-2.8840	168.76	<.0001
A	1	0.1893	0.2853	-0.3698	0.7485	0.44	0.5069
M_cont	1	-0.0392	0.1758	-0.3838	0.3053	0.05	0.8235
int	1	0.3654	0.2533	-0.1310	0.8618	2.08	0.1491
C	1	0.2666	0.1310	0.0098	0.5234	4.14	0.0419
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06011	-0.14057	0.12149	0.14396
2	1.06011	0.00309	-0.00193	-0.00110
3	1.06011	-0.00193	0.00468	0.00005
4	1.06011	-0.00110	0.00005	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	57
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	57
2	0	943

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-212.6301		
Full Log Likelihood		-212.6301		
AIC (smaller is better)		435.2601		
AICC (smaller is better)		435.3205		
BIC (smaller is better)		459.7989		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06930	-0.03739	-0.006351	0.01174	-0.02458
Prm2	-0.03739	0.07745	0.009587	-0.02392	0.003189
Prm3	-0.006351	0.009587	0.02813	-0.02759	-0.002493
Prm4	0.01174	-0.02392	-0.02759	0.05469	-0.001117
Prm5	-0.02458	0.003189	-0.002493	-0.001117	0.01648

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.3812	0.2633	-3.8972	-2.8653	164.97	<.0001
A	1	0.0350	0.2783	-0.5104	0.5804	0.02	0.8999
M_cont	1	0.2193	0.1677	-0.1094	0.5481	1.71	0.1910
int	1	-0.1022	0.2338	-0.5606	0.3561	0.19	0.6619
C	1	0.3662	0.1284	0.1146	0.6178	8.14	0.0043
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03577	-0.090523	0.19021	0.14596
2	1.03577	0.002993	-0.00189	-0.00105
3	1.03577	-0.001895	0.00436	-0.00001
4	1.03577	-0.001046	-0.00001	0.00101

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-199.4101		
Full Log Likelihood		-199.4101		
AIC (smaller is better)		408.8202		
AICC (smaller is better)		408.8805		
BIC (smaller is better)		433.3589		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06959	-0.04193	-0.002343	0.005699	-0.02502
Prm2	-0.04193	0.08291	0.007543	-0.02091	0.003586
Prm3	-0.002343	0.007543	0.03309	-0.03246	-0.004705
Prm4	0.005699	-0.02091	-0.03246	0.06127	0.002104
Prm5	-0.02502	0.003586	-0.004705	0.002104	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	-3.2788	0.2638	-3.7959	-2.7618	154.48	<.0001
A	1	0.1465	0.2879	-0.4179	0.7108	0.26	0.6110
M_cont	1	0.1833	0.1819	-0.1733	0.5398	1.01	0.3137
int	1	-0.0641	0.2475	-0.5493	0.4210	0.07	0.7956
C	1	0.1785	0.1393	-0.0945	0.4514	1.64	0.2000
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05329	-0.16506	0.25227	0.16171
2	1.05329	0.00327	-0.00206	-0.00120
3	1.05329	-0.00206	0.00452	0.00009
4	1.05329	-0.00120	0.00009	0.00111

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	69
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	69
2	0	931

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6316	0.0000	-0.6316	-0.6316	.	.
A	0	0.0476	0.0000	0.0476	0.0476	.	.
M_cont	0	0.0238	0.0000	0.0238	0.0238	.	.
int	0	0.0827	0.0000	0.0827	0.0827	.	.
C	0	0.1105	0.0000	0.1105	0.1105	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06602	-0.13627	0.15654	0.10742
2	1.06602	0.00322	-0.00212	-0.00108
3	1.06602	-0.00212	0.00458	0.00003
4	1.06602	-0.00108	0.00003	0.00102

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7214	0.0000	-0.7214	-0.7214	.	.
A	0	0.0493	0.0000	0.0493	0.0493	.	.
M_cont	0	-0.0210	0.0000	-0.0210	-0.0210	.	.
int	0	0.1839	0.0000	0.1839	0.1839	.	.
C	0	0.1159	0.0000	0.1159	0.1159	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00439	-0.091788	0.059097	0.15926
2	1.00439	0.002721	-0.001633	-0.00097
3	1.00439	-0.001633	0.004179	-0.00007
4	1.00439	-0.000974	-0.000071	0.00094

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-180.8089	
Full Log Likelihood		-180.8089	
AIC (smaller is better)		371.6177	
AICC (smaller is better)		371.6781	
BIC (smaller is better)		396.1565	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07669	-0.04747	-0.001449	0.005725	-0.02711
Prm2	-0.04747	0.09561	0.005643	-0.02388	0.003720
Prm3	-0.001449	0.005643	0.03347	-0.03286	-0.003890
Prm4	0.005725	-0.02388	-0.03286	0.06580	0.0004676
Prm5	-0.02711	0.003720	-0.003890	0.0004676	0.02170

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4616	0.2769	-4.0044	-2.9188	156.24	<.0001
A	1	0.1818	0.3092	-0.4243	0.7878	0.35	0.5567
M_cont	1	0.0614	0.1830	-0.2972	0.4200	0.11	0.7372
int	1	0.2015	0.2565	-0.3012	0.7043	0.62	0.4321
C	1	0.2130	0.1473	-0.0757	0.5017	2.09	0.1482
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07925	-0.11244	0.12054	0.17151
2	1.07925	0.00319	-0.00214	-0.00113
3	1.07925	-0.00214	0.00476	0.00009
4	1.07925	-0.00113	0.00009	0.00112

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-202.1959		
Full Log Likelihood		-202.1959		
AIC (smaller is better)		414.3919		
AICC (smaller is better)		414.4522		
BIC (smaller is better)		438.9306		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.05771	-0.03685	0.001299	0.002530	-0.01892
Prm2	-0.03685	0.07891	0.003698	-0.01465	-0.001731
Prm3	0.001299	0.003698	0.03377	-0.03285	-0.004531
Prm4	0.002530	-0.01465	-0.03285	0.05522	0.0007413
Prm5	-0.01892	-0.001731	-0.004531	0.0007413	0.01872

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2086	0.2402	-3.6795	-2.7378	178.40	<.0001
A	1	0.3536	0.2809	-0.1969	0.9042	1.58	0.2081
M_cont	1	0.0730	0.1838	-0.2872	0.4331	0.16	0.6913
int	1	0.1085	0.2350	-0.3521	0.5690	0.21	0.6444
C	1	0.0531	0.1368	-0.2151	0.3213	0.15	0.6980
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08190	-0.21628	0.17867	0.22220
2	1.08190	0.00300	-0.00185	-0.00105
3	1.08190	-0.00185	0.00484	-0.00016
4	1.08190	-0.000105	-0.00016	0.00110

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7033	0.0000	-0.7033	-0.7033	.	.
A	0	0.1135	0.0000	0.1135	0.1135	.	.
M_cont	0	0.0467	0.0000	0.0467	0.0467	.	.
int	0	0.0374	0.0000	0.0374	0.0374	.	.
C	0	0.1075	0.0000	0.1075	0.1075	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03726	-0.079961	0.16389	0.10925
2	1.03726	0.003095	-0.00192	-0.00113
3	1.03726	-0.001915	0.00440	0.00004
4	1.03726	-0.001133	0.00004	0.00105

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.8226	0.0000	-0.8226	-0.8226	.	.
A	0	0.2003	0.0000	0.2003	0.2003	.	.
M_cont	0	0.1137	0.0000	0.1137	0.1137	.	.
int	0	0.0251	0.0000	0.0251	0.0251	.	.
C	0	0.0978	0.0000	0.0978	0.0978	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02422	-0.23073	0.13279	0.22420
2	1.02422	0.00276	-0.00172	-0.00100
3	1.02422	-0.00172	0.00437	-0.00003
4	1.02422	-0.000100	-0.00003	0.00099

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-193.9091	
Full Log Likelihood		-193.9091	
AIC (smaller is better)		397.8182	
AICC (smaller is better)		397.8785	
BIC (smaller is better)		422.3570	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.08978	-0.04268	-0.001153	0.005494	-0.03134
Prm2	-0.04268	0.08051	0.006046	-0.02119	0.003822
Prm3	-0.001153	0.006046	0.02622	-0.02577	-0.003256
Prm4	0.005494	-0.02119	-0.02577	0.05648	0.0007198
Prm5	-0.03134	0.003822	-0.003256	0.0007198	0.01831

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.8465	0.2996	-4.4337	-3.2592	164.80	<.0001
A	1	0.2240	0.2837	-0.3321	0.7801	0.62	0.4299
M_cont	1	0.0758	0.1619	-0.2415	0.3932	0.22	0.6395
int	1	0.0725	0.2377	-0.3933	0.5383	0.09	0.7605
C	1	0.5737	0.1353	0.3085	0.8389	17.98	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04745	-0.13694	0.18507	0.15969
2	1.04745	0.00304	-0.00196	-0.00107
3	1.04745	-0.00196	0.00447	0.00003
4	1.04745	-0.00107	0.00003	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	57
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	57
2	0	943

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.7843	0.0000	-0.7843	-0.7843	.	.
A	0	0.0343	0.0000	0.0343	0.0343	.	.
M_cont	0	0.0640	0.0000	0.0640	0.0640	.	.
int	0	0.0699	0.0000	0.0699	0.0699	.	.
C	0	0.1706	0.0000	0.1706	0.1706	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07435	-0.10510	0.18534	0.16268
2	1.07435	0.00329	-0.00196	-0.00122
3	1.07435	-0.00196	0.00476	-0.00001
4	1.07435	-0.00122	-0.00001	0.00113

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	69
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	69
2	0	931

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.5040	0.0000	-0.5040	-0.5040	.	.
A	0	-0.2396	0.0000	-0.2396	-0.2396	.	.
M_cont	0	0.0095	0.0000	0.0095	0.0095	.	.
int	0	0.2598	0.0000	0.2598	0.2598	.	.
C	0	0.0805	0.0000	0.0805	0.0805	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02540	-0.19976	0.19718	0.15419
2	1.02540	0.00278	-0.00177	-0.00100
3	1.02540	-0.00177	0.00442	0.00004
4	1.02540	-0.000100	0.00004	0.00095

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6512	0.0000	-0.6512	-0.6512	.	.
A	0	-0.0138	0.0000	-0.0138	-0.0138	.	.
M_cont	0	-0.1035	0.0000	-0.1035	-0.1035	.	.
int	0	0.1942	0.0000	0.1942	0.1942	.	.
C	0	0.1140	0.0000	0.1140	0.1140	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03443	-0.19238	0.18564	0.16319
2	1.03443	0.00304	-0.00187	-0.00107
3	1.03443	-0.00187	0.00433	-0.00007
4	1.03443	-0.00107	-0.00007	0.00103

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-198.6361	
Full Log Likelihood		-198.6361	
AIC (smaller is better)		407.2722	
AICC (smaller is better)		407.3326	
BIC (smaller is better)		431.8110	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06391	-0.04536	-0.008141	0.009524	-0.01887
Prm2	-0.04536	0.08007	0.01036	-0.01850	0.0008951
Prm3	-0.008141	0.01036	0.03799	-0.03782	-0.002256
Prm4	0.009524	-0.01850	-0.03782	0.06713	0.0009163
Prm5	-0.01887	0.0008951	-0.002256	0.0009163	0.01828

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2548	0.2528	-3.7503	-2.7593	165.75	<.0001
A	1	0.4805	0.2830	-0.0741	1.0351	2.88	0.0895
M_cont	1	0.2954	0.1949	-0.0866	0.6774	2.30	0.1296
int	1	-0.2006	0.2591	-0.7085	0.3072	0.60	0.4387
C	1	0.0182	0.1352	-0.2468	0.2831	0.02	0.8930
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04431	-0.14545	0.22332	0.081228
2	1.04431	0.00299	-0.00195	-0.001064
3	1.04431	-0.00195	0.00445	0.000033
4	1.04431	-0.00106	0.00003	0.001053

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-190.7837	
Full Log Likelihood		-190.7837	
AIC (smaller is better)		391.5675	
AICC (smaller is better)		391.6278	
BIC (smaller is better)		416.1062	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07221	-0.04308	-0.001078	0.004375	-0.02427
Prm2	-0.04308	0.08244	0.004326	-0.01328	0.0007644
Prm3	-0.001078	0.004326	0.03840	-0.03803	-0.002706
Prm4	0.004375	-0.01328	-0.03803	0.06728	0.0000460
Prm5	-0.02427	0.0007644	-0.002706	0.0000460	0.01958

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4041	0.2687	-3.9308	-2.8774	160.47	<.0001
A	1	0.3113	0.2871	-0.2514	0.8741	1.18	0.2782
M_cont	1	0.0392	0.1960	-0.3449	0.4233	0.04	0.8415
int	1	0.0517	0.2594	-0.4567	0.5601	0.04	0.8419
C	1	0.1818	0.1399	-0.0924	0.4561	1.69	0.1937
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05800	-0.10142	0.10652	0.14031
2	1.05800	0.00310	-0.00197	-0.00107
3	1.05800	-0.000197	0.00455	-0.00002
4	1.05800	-0.000107	-0.00002	0.00104

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-1.1086	0.0000	-1.1086	-1.1086	.	.
A	0	0.3575	0.0000	0.3575	0.3575	.	.
M_cont	0	0.3929	0.0000	0.3929	0.3929	.	.
int	0	-0.3738	0.0000	-0.3738	-0.3738	.	.
C	0	0.1697	0.0000	0.1697	0.1697	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02161	-0.097503	0.083654	0.14113
2	1.02161	0.002963	-0.001936	-0.00104
3	1.02161	-0.001936	0.004236	0.00006
4	1.02161	-0.001045	0.000063	0.00100

## The GENMOD Procedure

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

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-174.0969	
Full Log Likelihood		-174.0969	
AIC (smaller is better)		358.1938	
AICC (smaller is better)		358.2541	
BIC (smaller is better)		382.7325	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.06504	-0.04094	0.009952	-0.008241	-0.02348
Prm2	-0.04094	0.09404	-0.004762	0.0006965	0.0004079
Prm3	0.009952	-0.004762	0.03856	-0.03819	-0.005058
Prm4	-0.008241	0.0006965	-0.03819	0.08261	0.003419
Prm5	-0.02348	0.0004079	-0.005058	0.003419	0.02248

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.1921	0.2550	-3.6919	-2.6923	156.67	<.0001
A	1	0.0585	0.3067	-0.5425	0.6595	0.04	0.8487
M_cont	1	-0.1000	0.1964	-0.4849	0.2848	0.26	0.6104
int	1	0.0966	0.2874	-0.4667	0.6599	0.11	0.7368
C	1	-0.0062	0.1499	-0.3001	0.2877	0.00	0.9672
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04371	-0.19310	0.11017	0.17186
2	1.04371	0.00301	-0.00188	-0.00109
3	1.04371	-0.00188	0.00448	0.00001
4	1.04371	-0.00109	0.00001	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	61
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	61
2	0	939

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.5775	0.0000	-0.5775	-0.5775	.	.
A	0	-0.0099	0.0000	-0.0099	-0.0099	.	.
M_cont	0	0.0375	0.0000	0.0375	0.0375	.	.
int	0	0.0765	0.0000	0.0765	0.0765	.	.
C	0	0.0789	0.0000	0.0789	0.0789	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03631	-0.17553	0.18922	0.18123
2	1.03631	0.00305	-0.00188	-0.00116
3	1.03631	-0.00188	0.00443	0.00005
4	1.03631	-0.00116	0.00005	0.00109

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA196
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-179.7354		
Full Log Likelihood		-179.7354		
AIC (smaller is better)		369.4709		
AICC (smaller is better)		369.5312		
BIC (smaller is better)		394.0097		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.09226	-0.04800	-0.002310	0.007025	-0.03191
Prm2	-0.04800	0.08686	0.008058	-0.01294	0.002029
Prm3	-0.002310	0.008058	0.04194	-0.04133	-0.004144
Prm4	0.007025	-0.01294	-0.04133	0.07138	0.0009610
Prm5	-0.03191	0.002029	-0.004144	0.0009610	0.02154

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6906	0.3037	-4.2860	-3.0953	147.64	<.0001
A	1	0.2655	0.2947	-0.3122	0.8431	0.81	0.3677
M_cont	1	0.1013	0.2048	-0.3001	0.5027	0.24	0.6209
int	1	-0.1253	0.2672	-0.6489	0.3984	0.22	0.6391
C	1	0.3644	0.1468	0.0767	0.6520	6.16	0.0130
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05089	-0.15949	0.098333	0.16699
2	1.05089	0.00320	-0.002043	-0.00110
3	1.05089	-0.00204	0.004456	0.00002
4	1.05089	-0.00110	0.000019	0.00103

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA197
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	1000
Number of Observations Used	1000
Number of Events	71
Number of Trials	1000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	71
2	0	929

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-248.3387	
Full Log Likelihood		-248.3387	
AIC (smaller is better)		506.6775	
AICC (smaller is better)		506.7379	
BIC (smaller is better)		531.2163	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.05797	-0.02846	-0.000597	0.003667	-0.02103
Prm2	-0.02846	0.05331	0.005231	-0.008092	0.001577
Prm3	-0.000597	0.005231	0.02450	-0.02402	-0.003303
Prm4	0.003667	-0.008092	-0.02402	0.04403	0.001279
Prm5	-0.02103	0.001577	-0.003303	0.001279	0.01387

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.2885	0.2408	-3.7604	-2.8165	186.53	<.0001
A	1	0.2298	0.2309	-0.2228	0.6823	0.99	0.3196
M_cont	1	0.0894	0.1565	-0.2173	0.3962	0.33	0.5677
int	1	-0.1741	0.2098	-0.5853	0.2372	0.69	0.4068
C	1	0.4314	0.1178	0.2006	0.6622	13.42	0.0002
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05030	-0.13441	0.13483	0.16307
2	1.05030	0.00305	-0.00192	-0.00109
3	1.05030	-0.00192	0.00449	-0.00003
4	1.05030	-0.00109	-0.00003	0.00108

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA198
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

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

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

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

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	0	-0.6900	0.0000	-0.6900	-0.6900	.	.
A	0	-0.0627	0.0000	-0.0627	-0.0627	.	.
M_cont	0	0.0439	0.0000	0.0439	0.0439	.	.
int	0	0.0916	0.0000	0.0916	0.0916	.	.
C	0	0.1158	0.0000	0.1158	0.1158	.	.
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05245	-0.14331	0.20325	0.11161
2	1.05245	0.00300	-0.00184	-0.00103
3	1.05245	-0.00184	0.00452	-0.00012
4	1.05245	-0.000103	-0.00012	0.00104

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA199
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-178.5684		
Full Log Likelihood		-178.5684		
AIC (smaller is better)		367.1368		
AICC (smaller is better)		367.1972		
BIC (smaller is better)		391.6756		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.08302	-0.05330	0.02643	-0.02248	-0.02465
Prm2	-0.05330	0.10215	-0.02403	0.01311	-0.000313
Prm3	0.02643	-0.02403	0.04016	-0.03984	-0.001997
Prm4	-0.02248	0.01311	-0.03984	0.07578	-0.001325
Prm5	-0.02465	-0.000313	-0.001997	-0.001325	0.02071

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.5097	0.2881	-4.0744	-2.9449	148.37	<.0001
A	1	0.3201	0.3196	-0.3064	0.9465	1.00	0.3166
M_cont	1	-0.5826	0.2004	-0.9754	-0.1898	8.45	0.0036
int	1	0.7190	0.2753	0.1795	1.2586	6.82	0.0090
C	1	0.1431	0.1439	-0.1390	0.4252	0.99	0.3200
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02545	-0.17861	0.11137	0.15901
2	1.02545	0.00289	-0.00177	-0.00103
3	1.02545	-0.00177	0.00432	-0.00004
4	1.02545	-0.00103	-0.00004	0.00098

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1100
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

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

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

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit				
Criterion	DF	Value	Value/DF	
Log Likelihood		-210.8034		
Full Log Likelihood		-210.8034		
AIC (smaller is better)		431.6069		
AICC (smaller is better)		431.6672		
BIC (smaller is better)		456.1457		

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.07521	-0.03999	-0.000036	0.001810	-0.02474
Prm2	-0.03999	0.07160	0.004359	-0.01634	0.002006
Prm3	-0.000036	0.004359	0.03358	-0.03336	-0.003037
Prm4	0.001810	-0.01634	-0.03336	0.05486	0.001891
Prm5	-0.02474	0.002006	-0.003037	0.001891	0.01597

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.6554	0.2743	-4.1929	-3.1178	177.65	<.0001
A	1	0.4756	0.2676	-0.0489	1.0000	3.16	0.0755
M_cont	1	0.1112	0.1832	-0.2479	0.4704	0.37	0.5438
int	1	0.1743	0.2342	-0.2848	0.6333	0.55	0.4568
C	1	0.4276	0.1264	0.1799	0.6753	11.45	0.0007
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04355	-0.17892	0.16673	0.11990
2	1.04355	0.00282	-0.00181	-0.00097
3	1.04355	-0.00181	0.00448	-0.00006
4	1.04355	-0.00097	-0.00006	0.00099

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1
Distribution	Binomial
Link Function	Log
Dependent Variable	Y_bin_int

Number of Observations Read	100000
Number of Observations Used	100000
Number of Events	5338
Number of Trials	100000

Response Profile		
Ordered Value	Y_bin_int	Total Frequency
1	1	5338
2	0	94662

PROC GENMOD is modeling the probability that Y\_bin\_int='1'.

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-20450.9317	
Full Log Likelihood		-20450.9317	
AIC (smaller is better)		40911.8635	
AICC (smaller is better)		40911.8641	
BIC (smaller is better)		40959.4281	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0006867	-0.000380	3.5728E-6	0.0000291	-0.000242
Prm2	-0.000380	0.0007675	0.0000394	-0.000165	0.0000184
Prm3	3.5728E-6	0.0000394	0.0003198	-0.000315	-0.000034
Prm4	0.0000291	-0.000165	-0.000315	0.0005824	0.0000101
Prm5	-0.000242	0.0000184	-0.000034	0.0000101	0.0001760

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	-3.4026	0.0262	-3.4539	-3.3512	16860.5	<.0001
A	1	0.2358	0.0277	0.1815	0.2901	72.45	<.0001
M_cont	1	0.0652	0.0179	0.0302	0.1003	13.30	0.0003
int	1	0.1160	0.0241	0.0687	0.1633	23.10	<.0001
C	1	0.2833	0.0133	0.2573	0.3093	456.01	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3269.38088	1634.69044	1489.26	<.0001
Error	99997	109762	1.09765		
Corrected Total	99999	113031			

Root MSE	1.04769	R-Square	0.0289
Dependent Mean	0.07259	Adj R-Sq	0.0289
Coeff Var	1443.28579		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.16094	0.00550	-29.26	<.0001
A	1	0.16986	0.00670	25.34	<.0001
C	1	0.15623	0.00322	48.47	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.04769	-0.16094	0.16986	0.15623
2	1.04769	0.00003	-0.00002	-0.00001
3	1.04769	-0.00002	0.00004	0.00000
4	1.04769	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1.21195	0.30231	0.78433	1.97058
2	marginal pnde	1.21441	0.29640	0.74873	1.97405
3	marginal pnie	1.00743	0.02566	0.95987	1.07313
4	marginal tnde	1.23074	0.30260	0.78692	1.84478
5	marginal tnie	1.02129	0.02118	0.97910	1.06749
6	marginal total effect	1.23935	0.30186	0.76002	1.93279
7	conditional cde	1.21195	0.30231	0.78433	1.97058
8	conditional pnde	1.21395	0.29639	0.74737	1.97642
9	conditional pnie	1.00743	0.02566	0.95987	1.07313
10	conditional tnde	1.23023	0.30239	0.78549	1.84700
11	conditional tnie	1.02129	0.02118	0.97910	1.06749
12	conditional total effect	1.23886	0.30177	0.75864	1.93511

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA11
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1020.9090	1.0260
Scaled Deviance	995	1020.9090	1.0260
Pearson Chi-Square	995	950.2998	0.9551
Scaled Pearson X2	995	950.2998	0.9551
Log Likelihood		421.9299	
Full Log Likelihood		-1917.7153	
AIC (smaller is better)		3845.4306	
AICC (smaller is better)		3845.4909	
BIC (smaller is better)		3869.9694	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008742	-0.000520	0.0000563	-0.000010	-0.000339
Prm2	-0.000520	0.001372	6.4472E-6	-0.000023	-2.226E-6
Prm3	0.0000563	6.4472E-6	0.0005117	-0.000504	-0.000060
Prm4	-0.000010	-0.000023	-0.000504	0.001216	0.0000158
Prm5	-0.000339	-2.226E-6	-0.000060	0.0000158	0.0003257

## The GENMOD 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	0.0296	1.1109	1.2268	1562.77	<.0001
A	1	-0.0896	0.0370	-0.1622	-0.0169	5.84	0.0156
M_cont	1	-0.0473	0.0226	-0.0916	-0.0030	4.37	0.0366
int	1	-0.1097	0.0349	-0.1780	-0.0413	9.89	0.0017
C	1	0.0034	0.0180	-0.0320	0.0387	0.03	0.8525
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03952	-0.13527	0.14672	0.18705
2	1.03952	0.00297	-0.00179	-0.00110
3	1.03952	-0.00179	0.00448	-0.00003
4	1.03952	-0.00110	-0.00003	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA12
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1037.3042	1.0425
Scaled Deviance	995	1037.3042	1.0425
Pearson Chi-Square	995	987.8252	0.9928
Scaled Pearson X2	995	987.8252	0.9928
Log Likelihood		511.8699	
Full Log Likelihood		-1948.6445	
AIC (smaller is better)		3907.2891	
AICC (smaller is better)		3907.3494	
BIC (smaller is better)		3931.8279	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008457	-0.000559	0.0000754	-0.000046	-0.000309
Prm2	-0.000559	0.001288	-8.069E-6	-0.000042	0.0000104
Prm3	0.0000754	-8.069E-6	0.0006204	-0.000613	-0.000072
Prm4	-0.000046	-0.000042	-0.000613	0.001238	0.0000415
Prm5	-0.000309	0.0000104	-0.000072	0.0000415	0.0003209

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2072	0.0291	1.1502 1.2641	1723.09	<.0001	
A	1	0.0039	0.0359	-0.0664 0.0742	0.01	0.9136	
M_cont	1	-0.0323	0.0249	-0.0811 0.0165	1.68	0.1951	
int	1	-0.0367	0.0352	-0.1056 0.0323	1.09	0.2969	
C	1	-0.0483	0.0179	-0.0834 -0.0132	7.27	0.0070	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00492	-0.13897	0.13815	0.16628
2	1.00492	0.00280	-0.00179	-0.00102
3	1.00492	-0.00179	0.00413	0.00002
4	1.00492	-0.00102	0.00002	0.00100

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA13
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1005.3516	1.0104
Scaled Deviance	995	1005.3516	1.0104
Pearson Chi-Square	995	933.6677	0.9384
Scaled Pearson X2	995	933.6677	0.9384
Log Likelihood		456.5548	
Full Log Likelihood		-1921.5797	
AIC (smaller is better)		3853.1595	
AICC (smaller is better)		3853.2198	
BIC (smaller is better)		3877.6982	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008742	-0.000550	0.0000804	-0.000048	-0.000318
Prm2	-0.000550	0.001314	-0.000031	4.1821E-6	-3.025E-6
Prm3	0.0000804	-0.000031	0.0005898	-0.000585	-0.000049
Prm4	-0.000048	4.1821E-6	-0.000585	0.001228	0.0000171
Prm5	-0.000318	-3.025E-6	-0.000049	0.0000171	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	1.1952	0.0296	1.1372 1.2531	1634.12	<.0001	
A	1	-0.0637	0.0362	-0.1347 0.0074	3.09	0.0790	
M_cont	1	-0.0310	0.0243	-0.0786 0.0166	1.63	0.2015	
int	1	-0.0851	0.0350	-0.1538 -0.0165	5.90	0.0151	
C	1	-0.0212	0.0177	-0.0560 0.0135	1.43	0.2313	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02765	-0.16420	0.20110	0.13914
2	1.02765	0.00297	-0.00185	-0.00105
3	1.02765	-0.00185	0.00429	-0.00003
4	1.02765	-0.00105	-0.00003	0.00102

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA14
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1013.7890	1.0189
Scaled Deviance	995	1013.7890	1.0189
Pearson Chi-Square	995	924.4906	0.9291
Scaled Pearson X2	995	924.4906	0.9291
Log Likelihood		362.7742	
Full Log Likelihood		-1907.1854	
AIC (smaller is better)		3824.3708	
AICC (smaller is better)		3824.4312	
BIC (smaller is better)		3848.9096	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008684	-0.000580	0.0000973	-0.000054	-0.000322
Prm2	-0.000580	0.001363	-0.000022	-0.000027	0.0000248
Prm3	0.0000973	-0.000022	0.0004836	-0.000472	-0.000084
Prm4	-0.000054	-0.000027	-0.000472	0.001157	0.0000392
Prm5	-0.000322	0.0000248	-0.000084	0.0000392	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	1.1779	0.0295	1.1201 1.2356	1597.65	<.0001	
A	1	-0.0089	0.0369	-0.0812 0.0635	0.06	0.8100	
M_cont	1	-0.0259	0.0220	-0.0690 0.0172	1.39	0.2388	
int	1	-0.0729	0.0340	-0.1396 -0.0063	4.60	0.0320	
C	1	-0.0565	0.0182	-0.0922 -0.0209	9.65	0.0019	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06395	-0.23397	0.19181	0.23966
2	1.06395	0.00310	-0.00201	-0.00112
3	1.06395	-0.00201	0.00467	0.00007
4	1.06395	-0.00112	0.00007	0.00108

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA15
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1018.2570	1.0234
Scaled Deviance	995	1018.2570	1.0234
Pearson Chi-Square	995	968.2634	0.9731
Scaled Pearson X2	995	968.2634	0.9731
Log Likelihood		404.3803	
Full Log Likelihood		-1923.1922	
AIC (smaller is better)		3856.3843	
AICC (smaller is better)		3856.4447	
BIC (smaller is better)		3880.9231	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008358	-0.000561	0.0000477	-6.756E-6	-0.000312
Prm2	-0.000561	0.001359	0.0000127	-0.000082	0.0000227
Prm3	0.0000477	0.0000127	0.0005812	-0.000572	-0.000069
Prm4	-6.756E-6	-0.000082	-0.000572	0.001252	0.0000255
Prm5	-0.000312	0.0000227	-0.000069	0.0000255	0.0003286

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1979	0.0289	1.1413 1.2546	1717.03	<.0001	
A	1	-0.0174	0.0369	-0.0897 0.0549	0.22	0.6370	
M_cont	1	-0.0148	0.0241	-0.0620 0.0325	0.37	0.5406	
int	1	-0.0509	0.0354	-0.1203 0.0184	2.07	0.1499	
C	1	-0.0614	0.0181	-0.0969 -0.0259	11.48	0.0007	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01408	-0.12710	0.13885	0.18013
2	1.01408	0.00278	-0.00179	-0.00103
3	1.01408	-0.00179	0.00427	0.00006
4	1.01408	-0.000103	0.00006	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA16
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1041.2773	1.0465
Scaled Deviance	995	1041.2773	1.0465
Pearson Chi-Square	995	959.1567	0.9640
Scaled Pearson X2	995	959.1567	0.9640
Log Likelihood		540.6077	
Full Log Likelihood		-1947.8773	
AIC (smaller is better)		3905.7545	
AICC (smaller is better)		3905.8149	
BIC (smaller is better)		3930.2933	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008534	-0.000568	0.0000647	-0.000023	-0.000308
Prm2	-0.000568	0.001280	6.7492E-6	-2.127E-6	0.0000257
Prm3	0.0000647	6.7492E-6	0.0005584	-0.000548	-0.000077
Prm4	-0.000023	-2.127E-6	-0.000548	0.001210	0.0000355
Prm5	-0.000308	0.0000257	-0.000077	0.0000355	0.0003053

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2181	0.0292	1.1608	1.2753	1738.57	<.0001
A	1	-0.0711	0.0358	-0.1412	-0.0009	3.95	0.0470
M_cont	1	-0.0285	0.0236	-0.0748	0.0178	1.46	0.2273
int	1	-0.0773	0.0348	-0.1455	-0.0091	4.94	0.0262
C	1	-0.0199	0.0175	-0.0541	0.0144	1.29	0.2557
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00961	-0.15035	0.068089	0.19942
2	1.00961	0.00288	-0.001913	-0.00101
3	1.00961	-0.00191	0.004140	0.00008
4	1.00961	-0.00101	0.000083	0.00096

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA17
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1055.5415	1.0608
Scaled Deviance	995	1055.5415	1.0608
Pearson Chi-Square	995	1002.4411	1.0075
Scaled Pearson X2	995	1002.4411	1.0075
Log Likelihood		507.0733	
Full Log Likelihood		-1954.1915	
AIC (smaller is better)		3918.3829	
AICC (smaller is better)		3918.4433	
BIC (smaller is better)		3942.9217	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008163	-0.000536	0.0000667	-0.000030	-0.000295
Prm2	-0.000536	0.001306	-0.000030	-5.538E-6	2.8888E-6
Prm3	0.0000667	-0.000030	0.0004999	-0.000495	-0.000039
Prm4	-0.000030	-5.538E-6	-0.000495	0.001145	9.4528E-7
Prm5	-0.000295	2.8888E-6	-0.000039	9.4528E-7	0.0003067

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2296	0.0286	1.1736 1.2856	1852.25	<.0001	
A	1	-0.0662	0.0361	-0.1370 0.0047	3.35	0.0671	
M_cont	1	-0.0327	0.0224	-0.0765 0.0111	2.14	0.1436	
int	1	-0.0305	0.0338	-0.0968 0.0359	0.81	0.3680	
C	1	-0.0448	0.0175	-0.0792 -0.0105	6.55	0.0105	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05195	-0.15950	0.15335	0.14039
2	1.05195	0.00300	-0.00193	-0.00107
3	1.05195	-0.00193	0.00453	-0.00000
4	1.05195	-0.00107	-0.00000	0.00106

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA18
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1031.8500	1.0370
Scaled Deviance	995	1031.8500	1.0370
Pearson Chi-Square	995	934.6037	0.9393
Scaled Pearson X2	995	934.6037	0.9393
Log Likelihood		317.1682	
Full Log Likelihood		-1908.3496	
AIC (smaller is better)		3826.6991	
AICC (smaller is better)		3826.7595	
BIC (smaller is better)		3851.2379	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.00008710	-0.0000583	0.00000510	-0.0000020	-0.0000300
Prm2	-0.0000583	0.001372	-8.328E-6	-0.0000072	0.00000104
Prm3	0.00000510	-8.328E-6	0.00005199	-0.0000515	-0.0000045
Prm4	-0.0000020	-0.0000072	-0.0000515	0.001217	0.00000135
Prm5	-0.0000300	0.00000104	-0.0000045	0.00000135	0.00003029

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1290	0.0295	1.0711	1.1868	1463.43	<.0001
A	1	-0.0197	0.0370	-0.0923	0.0529	0.28	0.5954
M_cont	1	-0.0512	0.0228	-0.0959	-0.0065	5.04	0.0247
int	1	-0.0299	0.0349	-0.0983	0.0385	0.74	0.3912
C	1	-0.0122	0.0174	-0.0463	0.0219	0.49	0.4840
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04223	-0.083634	0.16136	0.12756
2	1.04223	0.002898	-0.00192	-0.00099
3	1.04223	-0.001920	0.00444	0.00002
4	1.04223	-0.000986	0.00002	0.00097

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA19
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1078.5299	1.0839
Scaled Deviance	995	1078.5299	1.0839
Pearson Chi-Square	995	1007.2310	1.0123
Scaled Pearson X2	995	1007.2310	1.0123
Log Likelihood		409.2077	
Full Log Likelihood		-1940.5260	
AIC (smaller is better)		3891.0520	
AICC (smaller is better)		3891.1124	
BIC (smaller is better)		3915.5908	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008677	-0.000598	0.0001042	-0.000075	-0.000300
Prm2	-0.000598	0.001329	-0.000069	0.0000722	0.0000164
Prm3	0.0001042	-0.000069	0.0005329	-0.000529	-0.000039
Prm4	-0.000075	0.0000722	-0.000529	0.001079	8.4741E-6
Prm5	-0.000300	0.0000164	-0.000039	8.4741E-6	0.0003159

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2047	0.0295	1.1470 1.2624	1672.59	<.0001	
A	1	-0.0504	0.0365	-0.1219 0.0210	1.91	0.1666	
M_cont	1	-0.0622	0.0231	-0.1074 -0.0169	7.25	0.0071	
int	1	-0.0402	0.0328	-0.1046 0.0242	1.50	0.2213	
C	1	-0.0598	0.0178	-0.0946 -0.0249	11.30	0.0008	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08848	-0.17815	0.19275	0.12598
2	1.08848	0.00331	-0.00220	-0.00115
3	1.08848	-0.00220	0.00479	0.00004
4	1.08848	-0.00115	0.00004	0.00114

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA110
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	986.7718	0.9917
Scaled Deviance	995	986.7718	0.9917
Pearson Chi-Square	995	926.4709	0.9311
Scaled Pearson X2	995	926.4709	0.9311
Log Likelihood		299.0423	
Full Log Likelihood		-1888.2095	
AIC (smaller is better)		3786.4190	
AICC (smaller is better)		3786.4794	
BIC (smaller is better)		3810.9578	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009131	-0.000601	0.0000339	4.9661E-7	-0.000333
Prm2	-0.000601	0.001376	0.0000209	-0.000040	0.0000209
Prm3	0.0000339	0.0000209	0.0006188	-0.000613	-0.000059
Prm4	4.9661E-7	-0.000040	-0.000613	0.001288	0.0000241
Prm5	-0.000333	0.0000209	-0.000059	0.0000241	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	1.1279	0.0302	1.0687	1.1871	1393.14	<.0001
A	1	0.0215	0.0371	-0.0512	0.0942	0.34	0.5626
M_cont	1	-0.0143	0.0249	-0.0631	0.0344	0.33	0.5646
int	1	-0.1297	0.0359	-0.2000	-0.0594	13.06	0.0003
C	1	-0.0357	0.0182	-0.0714	0.0001	3.83	0.0504
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01680	-0.10368	0.14844	0.15657
2	1.01680	0.00288	-0.00184	-0.00105
3	1.01680	-0.00184	0.00425	0.00005
4	1.01680	-0.000105	0.00005	0.00100

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA111
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1036.3438	1.0416
Scaled Deviance	995	1036.3438	1.0416
Pearson Chi-Square	995	953.7645	0.9586
Scaled Pearson X2	995	953.7645	0.9586
Log Likelihood		447.0858	
Full Log Likelihood		-1930.3520	
AIC (smaller is better)		3870.7041	
AICC (smaller is better)		3870.7644	
BIC (smaller is better)		3895.2428	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.00008470	-0.0000574	0.00000541	-0.0000024	-0.0000298
Prm2	-0.0000574	0.001329	-0.0000028	0.00000833	0.00000252
Prm3	0.00000541	-0.0000028	0.00004710	-0.0000468	-0.0000029
Prm4	-0.0000024	0.00000833	-0.0000468	0.001202	-1.571E-6
Prm5	-0.0000298	0.00000252	-0.0000029	-1.571E-6	0.00002984

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1652	0.0291	1.1082	1.2223	1603.06	<.0001
A	1	-0.0241	0.0365	-0.0956	0.0473	0.44	0.5077
M_cont	1	-0.0513	0.0217	-0.0938	-0.0087	5.58	0.0182
int	1	-0.0864	0.0347	-0.1543	-0.0184	6.21	0.0127
C	1	-0.0189	0.0173	-0.0527	0.0150	1.19	0.2748
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05071	-0.10332	0.068074	0.10888
2	1.05071	0.00296	-0.001987	-0.00104
3	1.05071	-0.00199	0.004539	0.00008
4	1.05071	-0.00104	0.000082	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA112
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1074.9777	1.0804
Scaled Deviance	995	1074.9777	1.0804
Pearson Chi-Square	995	993.4600	0.9985
Scaled Pearson X2	995	993.4600	0.9985
Log Likelihood		437.9821	
Full Log Likelihood		-1946.5650	
AIC (smaller is better)		3903.1300	
AICC (smaller is better)		3903.1903	
BIC (smaller is better)		3927.6688	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009161	-0.000576	0.0000406	-6.765E-6	-0.000348
Prm2	-0.000576	0.001322	-0.000022	-0.000033	0.0000209
Prm3	0.0000406	-0.000022	0.0005059	-0.000504	-0.000020
Prm4	-6.765E-6	-0.000033	-0.000504	0.001119	-0.000013
Prm5	-0.000348	0.0000209	-0.000020	-0.000013	0.0003346

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1780	0.0303	1.1187 1.2373	1514.72	<.0001	
A	1	-0.0320	0.0364	-0.1033 0.0392	0.78	0.3782	
M_cont	1	-0.0276	0.0225	-0.0717 0.0165	1.51	0.2193	
int	1	-0.0689	0.0335	-0.1345 -0.0033	4.24	0.0394	
C	1	-0.0209	0.0183	-0.0567 0.0150	1.30	0.2535	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07728	-0.10927	0.22124	0.094899
2	1.07728	0.00340	-0.00210	-0.001276
3	1.07728	-0.00210	0.00473	0.000055
4	1.07728	-0.00128	0.00005	0.001203

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA113
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1035.2789	1.0405
Scaled Deviance	995	1035.2789	1.0405
Pearson Chi-Square	995	942.4797	0.9472
Scaled Pearson X2	995	942.4797	0.9472
Log Likelihood		333.8845	
Full Log Likelihood		-1910.1154	
AIC (smaller is better)		3830.2308	
AICC (smaller is better)		3830.2912	
BIC (smaller is better)		3854.7696	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009298	-0.000605	0.0001035	-0.000075	-0.000329
Prm2	-0.000605	0.001354	-0.000048	7.2506E-6	0.0000144
Prm3	0.0001035	-0.000048	0.0005484	-0.000543	-0.000057
Prm4	-0.000075	7.2506E-6	-0.000543	0.001091	0.0000291
Prm5	-0.000329	0.0000144	-0.000057	0.0000291	0.0003192

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2109	0.0305	1.1511	1.2707	1577.03	<.0001
A	1	-0.0902	0.0368	-0.1623	-0.0181	6.01	0.0142
M_cont	1	-0.0072	0.0234	-0.0531	0.0387	0.09	0.7584
int	1	-0.0659	0.0330	-0.1307	-0.0012	3.98	0.0460
C	1	-0.0588	0.0179	-0.0938	-0.0238	10.83	0.0010
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.09836	-0.22903	0.24633	0.15245
2	1.09836	0.00356	-0.00226	-0.00123
3	1.09836	-0.00226	0.00486	0.00002
4	1.09836	-0.00123	0.00002	0.00113

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA114
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1010.4038	1.0155
Scaled Deviance	995	1010.4038	1.0155
Pearson Chi-Square	995	932.1216	0.9368
Scaled Pearson X2	995	932.1216	0.9368
Log Likelihood		442.0178	
Full Log Likelihood		-1918.3528	
AIC (smaller is better)		3846.7056	
AICC (smaller is better)		3846.7660	
BIC (smaller is better)		3871.2444	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008843	-0.000536	0.0001327	-0.000109	-0.000344
Prm2	-0.000536	0.001354	-0.000062	0.0000490	-2.289E-6
Prm3	0.0001327	-0.000062	0.0005205	-0.000516	-0.000069
Prm4	-0.000109	0.0000490	-0.000516	0.001191	0.0000462
Prm5	-0.000344	-2.289E-6	-0.000069	0.0000462	0.0003420

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1716	0.0297	1.1133	1.2299	1552.22	<.0001
A	1	-0.0386	0.0368	-0.1107	0.0335	1.10	0.2943
M_cont	1	-0.0179	0.0228	-0.0626	0.0268	0.62	0.4321
int	1	-0.1473	0.0345	-0.2150	-0.0797	18.22	<.0001
C	1	-0.0145	0.0185	-0.0507	0.0218	0.61	0.4344
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03311	-0.27752	0.31036	0.17559
2	1.03311	0.00291	-0.00176	-0.00110
3	1.03311	-0.00176	0.00442	-0.00005
4	1.03311	-0.00110	-0.00005	0.00110

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA115
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1057.9467	1.0633
Scaled Deviance	995	1057.9467	1.0633
Pearson Chi-Square	995	945.2880	0.9500
Scaled Pearson X2	995	945.2880	0.9500
Log Likelihood		467.6662	
Full Log Likelihood		-1940.3015	
AIC (smaller is better)		3890.6029	
AICC (smaller is better)		3890.6633	
BIC (smaller is better)		3915.1417	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008963	-0.000534	0.0000688	9.4843E-7	-0.000339
Prm2	-0.000534	0.001322	-6.059E-6	-0.000060	-3.512E-6
Prm3	0.0000688	-6.059E-6	0.0005450	-0.000533	-0.000059
Prm4	9.4843E-7	-0.000060	-0.000533	0.001153	-7.24E-6
Prm5	-0.000339	-3.512E-6	-0.000059	-7.24E-6	0.0003209

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1993	0.0299	1.1406	1.2580	1604.76	<.0001
A	1	-0.0533	0.0364	-0.1245	0.0180	2.15	0.1429
M_cont	1	-0.0044	0.0233	-0.0501	0.0414	0.03	0.8518
int	1	-0.0629	0.0340	-0.1294	0.0037	3.43	0.0641
C	1	-0.0243	0.0179	-0.0594	0.0108	1.84	0.1753
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03354	-0.22808	0.19247	0.20748
2	1.03354	0.00307	-0.00180	-0.00112
3	1.03354	-0.00180	0.00437	-0.00005
4	1.03354	-0.00112	-0.00005	0.00104

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA116
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1020.3956	1.0255
Scaled Deviance	995	1020.3956	1.0255
Pearson Chi-Square	995	954.9497	0.9597
Scaled Pearson X2	995	954.9497	0.9597
Log Likelihood		431.0646	
Full Log Likelihood		-1922.3147	
AIC (smaller is better)		3854.6293	
AICC (smaller is better)		3854.6897	
BIC (smaller is better)		3879.1681	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009650	-0.000646	0.0000866	-0.000045	-0.000328
Prm2	-0.000646	0.001305	-0.000048	0.0000879	0.0000333
Prm3	0.0000866	-0.000048	0.0005409	-0.000536	-0.000040
Prm4	-0.000045	0.0000879	-0.000536	0.001084	1.4829E-6
Prm5	-0.000328	0.0000333	-0.000040	1.4829E-6	0.0003028

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1493	0.0311	1.0884	1.2102	1368.77	<.0001
A	1	0.0399	0.0361	-0.0309	0.1107	1.22	0.2693
M_cont	1	-0.0416	0.0233	-0.0871	0.0040	3.19	0.0739
int	1	-0.0849	0.0329	-0.1494	-0.0203	6.64	0.0099
C	1	-0.0349	0.0174	-0.0690	-0.0008	4.02	0.0450
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07998	-0.20136	0.12746	0.15443
2	1.07998	0.00349	-0.00228	-0.00120
3	1.07998	-0.00228	0.00471	0.00011
4	1.07998	-0.00120	0.00011	0.00107

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA117
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1080.6199	1.0861
Scaled Deviance	995	1080.6199	1.0861
Pearson Chi-Square	995	1000.7422	1.0058
Scaled Pearson X2	995	1000.7422	1.0058
Log Likelihood		409.4119	
Full Log Likelihood		-1947.8054	
AIC (smaller is better)		3905.6108	
AICC (smaller is better)		3905.6712	
BIC (smaller is better)		3930.1496	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008626	-0.000545	0.0000340	0.0000150	-0.000315
Prm2	-0.000545	0.001338	0.0000177	-0.000084	-6.795E-6
Prm3	0.0000340	0.0000177	0.0005526	-0.000545	-0.000051
Prm4	0.0000150	-0.000084	-0.000545	0.001239	1.5788E-6
Prm5	-0.000315	-6.795E-6	-0.000051	1.5788E-6	0.0003193

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1539	0.0294	1.0963	1.2115	1543.64	<.0001
A	1	0.0055	0.0366	-0.0662	0.0771	0.02	0.8813
M_cont	1	-0.0109	0.0235	-0.0570	0.0351	0.22	0.6417
int	1	-0.0658	0.0352	-0.1348	0.0032	3.49	0.0616
C	1	-0.0206	0.0179	-0.0556	0.0144	1.33	0.2492
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01570	-0.12271	0.13568	0.16499
2	1.01570	0.00279	-0.00173	-0.00101
3	1.01570	-0.00173	0.00425	-0.00004
4	1.01570	-0.00101	-0.00004	0.00099

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA118
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1039.4865	1.0447
Scaled Deviance	995	1039.4865	1.0447
Pearson Chi-Square	995	938.6823	0.9434
Scaled Pearson X2	995	938.6823	0.9434
Log Likelihood		557.2626	
Full Log Likelihood		-1948.6205	
AIC (smaller is better)		3907.2410	
AICC (smaller is better)		3907.3013	
BIC (smaller is better)		3931.7798	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.00008484	-0.0000538	0.00000913	-0.0000082	-0.0000317
Prm2	-0.0000538	0.001289	-0.0000034	0.00000284	0.00000128
Prm3	0.00000913	-0.0000034	0.00005343	-0.0000533	-0.0000059
Prm4	-0.0000082	0.00000284	-0.0000533	0.001197	0.00000502
Prm5	-0.0000317	0.00000128	-0.0000059	0.00000502	0.00003107

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2215	0.0291	1.1644	1.2786	1758.73	<.0001
A	1	-0.0384	0.0359	-0.1088	0.0320	1.14	0.2847
M_cont	1	-0.0383	0.0231	-0.0836	0.0070	2.75	0.0976
int	1	-0.0420	0.0346	-0.1098	0.0258	1.47	0.2248
C	1	-0.0342	0.0176	-0.0687	0.0004	3.76	0.0526
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02681	-0.14843	0.11989	0.12737
2	1.02681	0.00294	-0.00185	-0.00108
3	1.02681	-0.00185	0.00434	0.00004
4	1.02681	-0.00108	0.00004	0.00102

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA119
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1035.3880	1.0406
Scaled Deviance	995	1035.3880	1.0406
Pearson Chi-Square	995	954.8697	0.9597
Scaled Pearson X2	995	954.8697	0.9597
Log Likelihood		494.4435	
Full Log Likelihood		-1939.6086	
AIC (smaller is better)		3889.2172	
AICC (smaller is better)		3889.2776	
BIC (smaller is better)		3913.7560	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008502	-0.000541	0.0000792	-0.000033	-0.000314
Prm2	-0.000541	0.001311	-0.000015	-0.000052	4.2347E-6
Prm3	0.0000792	-0.000015	0.0004934	-0.000484	-0.000065
Prm4	-0.000033	-0.000052	-0.000484	0.001111	0.0000193
Prm5	-0.000314	4.2347E-6	-0.000065	0.0000193	0.0003140

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2071	0.0292	1.1500 1.2643	1713.92	<.0001	
A	1	-0.0098	0.0362	-0.0808 0.0612	0.07	0.7861	
M_cont	1	-0.0271	0.0222	-0.0706 0.0165	1.48	0.2230	
int	1	-0.0522	0.0333	-0.1176 0.0131	2.46	0.1170	
C	1	-0.0441	0.0177	-0.0789 -0.0094	6.21	0.0127	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06338	-0.20669	0.19790	0.20814
2	1.06338	0.00313	-0.00193	-0.00113
3	1.06338	-0.00193	0.00465	-0.00001
4	1.06338	-0.00113	-0.00001	0.00108

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA120
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1031.8029	1.0370
Scaled Deviance	995	1031.8029	1.0370
Pearson Chi-Square	995	938.4426	0.9432
Scaled Pearson X2	995	938.4426	0.9432
Log Likelihood		422.1916	
Full Log Likelihood		-1924.1624	
AIC (smaller is better)		3858.3248	
AICC (smaller is better)		3858.3852	
BIC (smaller is better)		3882.8636	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008912	-0.000588	0.0000574	-4.679E-6	-0.000329
Prm2	-0.000588	0.001326	-8.092E-6	-0.000048	0.0000276
Prm3	0.0000574	-8.092E-6	0.0004578	-0.000449	-0.000054
Prm4	-4.679E-6	-0.000048	-0.000449	0.001072	1.1019E-6
Prm5	-0.000329	0.0000276	-0.000054	1.1019E-6	0.0003268

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1505	0.0299	1.0920	1.2090	1485.43	<.0001
A	1	0.0499	0.0364	-0.0215	0.1213	1.88	0.1705
M_cont	1	-0.0261	0.0214	-0.0680	0.0158	1.49	0.2223
int	1	-0.0827	0.0327	-0.1468	-0.0185	6.38	0.0116
C	1	-0.0327	0.0181	-0.0681	0.0027	3.27	0.0704
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.09879	-0.17990	0.20267	0.20239
2	1.09879	0.00335	-0.00214	-0.00123
3	1.09879	-0.00214	0.00497	0.00007
4	1.09879	-0.00123	0.00007	0.00117

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA121
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1131.4314	1.1371
Scaled Deviance	995	1131.4314	1.1371
Pearson Chi-Square	995	1042.9736	1.0482
Scaled Pearson X2	995	1042.9736	1.0482
Log Likelihood		380.9624	
Full Log Likelihood		-1953.8822	
AIC (smaller is better)		3917.7643	
AICC (smaller is better)		3917.8247	
BIC (smaller is better)		3942.3031	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009291	-0.000613	0.0000844	-0.000035	-0.000341
Prm2	-0.000613	0.001347	-0.000034	9.833E-7	0.0000421
Prm3	0.0000844	-0.000034	0.0005481	-0.000540	-0.000054
Prm4	-0.000035	9.833E-7	-0.000540	0.001212	6.9896E-6
Prm5	-0.000341	0.0000421	-0.000054	6.9896E-6	0.0003235

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1983	0.0305	1.1386	1.2581	1545.56	<.0001
A	1	-0.1014	0.0367	-0.1733	-0.0295	7.63	0.0057
M_cont	1	-0.0285	0.0234	-0.0744	0.0174	1.48	0.2232
int	1	-0.1017	0.0348	-0.1699	-0.0335	8.53	0.0035
C	1	-0.0294	0.0180	-0.0647	0.0058	2.68	0.1019
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03970	-0.20376	0.22930	0.17384
2	1.03970	0.00320	-0.00209	-0.00113
3	1.03970	-0.00209	0.00437	0.00010
4	1.03970	-0.00113	0.00010	0.00104

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA122
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	996.3946	1.0014
Scaled Deviance	995	996.3946	1.0014
Pearson Chi-Square	995	912.4837	0.9171
Scaled Pearson X2	995	912.4837	0.9171
Log Likelihood		298.4044	
Full Log Likelihood		-1889.4989	
AIC (smaller is better)		3788.9977	
AICC (smaller is better)		3789.0581	
BIC (smaller is better)		3813.5365	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009394	-0.000612	0.0000586	-0.000019	-0.000336
Prm2	-0.000612	0.001366	-7.553E-6	8.8535E-6	0.0000230
Prm3	0.0000586	-7.553E-6	0.0005941	-0.000588	-0.000052
Prm4	-0.000019	8.8535E-6	-0.000588	0.001174	0.0000146
Prm5	-0.000336	0.0000230	-0.000052	0.0000146	0.0003210

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1257	0.0306	1.0656 1.1858	1348.90	<.0001	
A	1	-0.0291	0.0370	-0.1015 0.0434	0.62	0.4313	
M_cont	1	-0.0469	0.0244	-0.0946 0.0009	3.70	0.0545	
int	1	-0.0750	0.0343	-0.1422 -0.0078	4.79	0.0286	
C	1	-0.0136	0.0179	-0.0487 0.0215	0.58	0.4473	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05505	-0.11780	0.12147	0.15044
2	1.05505	0.00318	-0.00206	-0.00111
3	1.05505	-0.00206	0.00452	0.00007
4	1.05505	-0.00111	0.00007	0.00104

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA123
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1073.2309	1.0786
Scaled Deviance	995	1073.2309	1.0786
Pearson Chi-Square	995	944.0247	0.9488
Scaled Pearson X2	995	944.0247	0.9488
Log Likelihood		446.5846	
Full Log Likelihood		-1934.7928	
AIC (smaller is better)		3879.5855	
AICC (smaller is better)		3879.6459	
BIC (smaller is better)		3904.1243	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009025	-0.000586	0.0001130	-0.000099	-0.000345
Prm2	-0.000586	0.001380	-0.000045	0.0001403	0.0000544
Prm3	0.0001130	-0.000045	0.0004708	-0.000468	-0.000074
Prm4	-0.000099	0.0001403	-0.000468	0.001257	0.0000607
Prm5	-0.000345	0.0000544	-0.000074	0.0000607	0.0003160

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1679	0.0300	1.1090 1.2268	1511.38	<.0001	
A	1	-0.0634	0.0371	-0.1362 0.0094	2.91	0.0880	
M_cont	1	-0.0321	0.0217	-0.0746 0.0104	2.19	0.1390	
int	1	-0.1698	0.0355	-0.2393 -0.1003	22.92	<.0001	
C	1	-0.0106	0.0178	-0.0455 0.0242	0.36	0.5496	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05161	-0.22150	0.15335	0.17373
2	1.05161	0.00310	-0.00203	-0.00114
3	1.05161	-0.00203	0.00463	0.00017
4	1.05161	-0.00114	0.00017	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA124
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1101.5653	1.1071
Scaled Deviance	995	1101.5653	1.1071
Pearson Chi-Square	995	1015.2340	1.0203
Scaled Pearson X2	995	1015.2340	1.0203
Log Likelihood		363.4588	
Full Log Likelihood		-1941.0519	
AIC (smaller is better)		3892.1037	
AICC (smaller is better)		3892.1641	
BIC (smaller is better)		3916.6425	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009484	-0.000588	0.0000835	-0.000047	-0.000360
Prm2	-0.000588	0.001355	-2.386E-6	-2.511E-7	0.0000236
Prm3	0.0000835	-2.386E-6	0.0005688	-0.000560	-0.000081
Prm4	-0.000047	-2.511E-7	-0.000560	0.001226	0.0000467
Prm5	-0.000360	0.0000236	-0.000081	0.0000467	0.0003365

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1992	0.0308	1.1388	1.2595	1516.29	<.0001
A	1	-0.0804	0.0368	-0.1525	-0.0083	4.77	0.0290
M_cont	1	0.0145	0.0238	-0.0323	0.0612	0.37	0.5443
int	1	-0.1532	0.0350	-0.2219	-0.0846	19.14	<.0001
C	1	-0.0444	0.0183	-0.0804	-0.0085	5.87	0.0154
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02916	-0.20897	0.17812	0.18897
2	1.02916	0.00319	-0.00196	-0.00117
3	1.02916	-0.00196	0.00431	0.00006
4	1.02916	-0.00117	0.00006	0.00104

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA125
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1026.9479	1.0321
Scaled Deviance	995	1026.9479	1.0321
Pearson Chi-Square	995	951.2043	0.9560
Scaled Pearson X2	995	951.2043	0.9560
Log Likelihood		445.9334	
Full Log Likelihood		-1931.0274	
AIC (smaller is better)		3872.0547	
AICC (smaller is better)		3872.1151	
BIC (smaller is better)		3896.5935	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009679	-0.000644	0.0001359	-0.000093	-0.000370
Prm2	-0.000644	0.001325	-0.000076	0.0000124	0.0000641
Prm3	0.0001359	-0.000076	0.0004958	-0.000488	-0.000068
Prm4	-0.000093	0.0000124	-0.000488	0.001085	0.0000273
Prm5	-0.000370	0.0000641	-0.000068	0.0000273	0.0003486

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1715	0.0311	1.1106	1.2325	1417.98	<.0001
A	1	0.0017	0.0364	-0.0696	0.0731	0.00	0.9618
M_cont	1	-0.0258	0.0223	-0.0694	0.0179	1.34	0.2471
int	1	-0.0335	0.0329	-0.0980	0.0311	1.03	0.3095
C	1	-0.0302	0.0187	-0.0668	0.0064	2.61	0.1061
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07851	-0.31298	0.29518	0.20396
2	1.07851	0.00347	-0.00226	-0.00131
3	1.07851	-0.00226	0.00475	0.00018
4	1.07851	-0.00131	0.00018	0.00122

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA126
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1019.2561	1.0244
Scaled Deviance	995	1019.2561	1.0244
Pearson Chi-Square	995	963.4917	0.9683
Scaled Pearson X2	995	963.4917	0.9683
Log Likelihood		492.4948	
Full Log Likelihood		-1933.0177	
AIC (smaller is better)		3876.0354	
AICC (smaller is better)		3876.0958	
BIC (smaller is better)		3900.5742	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008207	-0.000542	0.0000243	0.0000282	-0.000299
Prm2	-0.000542	0.001356	0.0000199	0.0000653	0.0000270
Prm3	0.0000243	0.0000199	0.0004919	-0.000484	-0.000047
Prm4	0.0000282	0.0000653	-0.000484	0.001130	-3.771E-6
Prm5	-0.000299	0.0000270	-0.000047	-3.771E-6	0.0002919

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1866	0.0286	1.1304	1.2427	1715.51	<.0001
A	1	-0.0056	0.0368	-0.0778	0.0665	0.02	0.8782
M_cont	1	-0.0125	0.0222	-0.0559	0.0310	0.32	0.5740
int	1	-0.1316	0.0336	-0.1975	-0.0658	15.34	<.0001
C	1	-0.0363	0.0171	-0.0698	-0.0028	4.52	0.0335
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05636	-0.11657	0.000247994	0.17321
2	1.05636	0.00297	-.001912591	-0.00108
3	1.05636	-0.00191	0.004736734	0.00010
4	1.05636	-0.00108	0.000099358	0.00100

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA127
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1018.3662	1.0235
Scaled Deviance	995	1018.3662	1.0235
Pearson Chi-Square	995	934.1027	0.9388
Scaled Pearson X2	995	934.1027	0.9388
Log Likelihood		550.6481	
Full Log Likelihood		-1939.0194	
AIC (smaller is better)		3888.0387	
AICC (smaller is better)		3888.0991	
BIC (smaller is better)		3912.5775	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008588	-0.000558	0.0000690	-0.000042	-0.000323
Prm2	-0.000558	0.001286	-0.000028	0.0000569	0.0000224
Prm3	0.0000690	-0.000028	0.0004952	-0.000492	-0.000044
Prm4	-0.000042	0.0000569	-0.000492	0.001164	0.0000168
Prm5	-0.000323	0.0000224	-0.000044	0.0000168	0.0003222

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2403	0.0293	1.1828	1.2977	1791.10	<.0001
A	1	-0.0778	0.0359	-0.1481	-0.0075	4.71	0.0300
M_cont	1	-0.0266	0.0223	-0.0702	0.0171	1.42	0.2326
int	1	-0.0971	0.0341	-0.1639	-0.0302	8.09	0.0044
C	1	-0.0407	0.0179	-0.0759	-0.0055	5.15	0.0233
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04273	-0.15491	0.11956	0.13368
2	1.04273	0.00313	-0.00200	-0.00115
3	1.04273	-0.00200	0.00443	0.00007
4	1.04273	-0.00115	0.00007	0.00111

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA128
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1064.0489	1.0694
Scaled Deviance	995	1064.0489	1.0694
Pearson Chi-Square	995	971.7933	0.9767
Scaled Pearson X2	995	971.7933	0.9767
Log Likelihood		476.3662	
Full Log Likelihood		-1946.6074	
AIC (smaller is better)		3903.2147	
AICC (smaller is better)		3903.2751	
BIC (smaller is better)		3927.7535	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008652	-0.000547	0.0000616	-0.000014	-0.000317
Prm2	-0.000547	0.001315	-5.058E-6	-1.197E-6	9.3932E-6
Prm3	0.0000616	-5.058E-6	0.0004817	-0.000473	-0.000056
Prm4	-0.000014	-1.197E-6	-0.000473	0.001133	0.0000105
Prm5	-0.000317	9.3932E-6	-0.000056	0.0000105	0.0003061

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1843	0.0294	1.1266 1.2419	1621.09	<.0001	
A	1	-0.0406	0.0363	-0.1117 0.0305	1.25	0.2626	
M_cont	1	-0.0414	0.0219	-0.0844 0.0016	3.56	0.0592	
int	1	-0.0823	0.0337	-0.1483 -0.0164	5.98	0.0144	
C	1	-0.0158	0.0175	-0.0500 0.0185	0.81	0.3678	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06006	-0.16443	0.11589	0.19621
2	1.06006	0.00312	-0.00196	-0.00111
3	1.06006	-0.00196	0.00461	0.00002
4	1.06006	-0.00111	0.00002	0.00104

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA129
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1091.9454	1.0974
Scaled Deviance	995	1091.9454	1.0974
Pearson Chi-Square	995	1020.4297	1.0256
Scaled Pearson X2	995	1020.4297	1.0256
Log Likelihood		469.4185	
Full Log Likelihood		-1958.4676	
AIC (smaller is better)		3926.9351	
AICC (smaller is better)		3926.9955	
BIC (smaller is better)		3951.4739	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008925	-0.000576	0.0001203	-0.000076	-0.000320
Prm2	-0.000576	0.001314	-0.000066	0.0000208	0.0000150
Prm3	0.0001203	-0.000066	0.0005026	-0.000495	-0.000055
Prm4	-0.000076	0.0000208	-0.000495	0.001084	0.0000131
Prm5	-0.000320	0.0000150	-0.000055	0.0000131	0.0003084

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1747	0.0299	1.1161	1.2332	1546.07	<.0001
A	1	-0.0125	0.0363	-0.0835	0.0586	0.12	0.7310
M_cont	1	-0.0522	0.0224	-0.0961	-0.0082	5.42	0.0199
int	1	-0.0477	0.0329	-0.1122	0.0168	2.10	0.1476
C	1	-0.0206	0.0176	-0.0551	0.0138	1.38	0.2398
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07133	-0.25217	0.26893	0.17875
2	1.07133	0.00320	-0.00203	-0.00113
3	1.07133	-0.00203	0.00468	0.00001
4	1.07133	-0.00113	0.00001	0.00108

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA130
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1030.2861	1.0355
Scaled Deviance	995	1030.2861	1.0355
Pearson Chi-Square	995	945.0806	0.9498
Scaled Pearson X2	995	945.0806	0.9498
Log Likelihood		352.3669	
Full Log Likelihood		-1913.8507	
AIC (smaller is better)		3837.7014	
AICC (smaller is better)		3837.7618	
BIC (smaller is better)		3862.2402	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008997	-0.000576	0.0000755	-0.000030	-0.000349
Prm2	-0.000576	0.001365	-0.000018	0.0000310	0.0000207
Prm3	0.0000755	-0.000018	0.0005510	-0.000543	-0.000062
Prm4	-0.000030	0.0000310	-0.000543	0.001211	0.0000157
Prm5	-0.000349	0.0000207	-0.000062	0.0000157	0.0003536

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1693	0.0300	1.1105 1.2280	1519.54	<.0001	
A	1	-0.0464	0.0370	-0.1189 0.0260	1.58	0.2087	
M_cont	1	-0.0325	0.0235	-0.0785 0.0135	1.92	0.1658	
int	1	-0.0728	0.0348	-0.1410 -0.0046	4.38	0.0364	
C	1	-0.0374	0.0188	-0.0743 -0.0006	3.97	0.0464	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04159	-0.17661	0.10642	0.18543
2	1.04159	0.00304	-0.00192	-0.00115
3	1.04159	-0.00192	0.00446	0.00005
4	1.04159	-0.00115	0.00005	0.00112

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA131
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	985.7427	0.9907
Scaled Deviance	995	985.7427	0.9907
Pearson Chi-Square	995	908.7924	0.9134
Scaled Pearson X2	995	908.7924	0.9134
Log Likelihood		476.5871	
Full Log Likelihood		-1917.7336	
AIC (smaller is better)		3845.4673	
AICC (smaller is better)		3845.5276	
BIC (smaller is better)		3870.0060	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008659	-0.000571	0.0000842	-0.000047	-0.000300
Prm2	-0.000571	0.001298	-0.000030	0.0000309	0.0000132
Prm3	0.0000842	-0.000030	0.0005024	-0.000496	-0.000055
Prm4	-0.000047	0.0000309	-0.000496	0.001176	0.0000189
Prm5	-0.000300	0.0000132	-0.000055	0.0000189	0.0002927

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2043	0.0294	1.1466 1.2620	1674.89	<.0001	
A	1	-0.0246	0.0360	-0.0953 0.0460	0.47	0.4939	
M_cont	1	-0.0013	0.0224	-0.0453 0.0426	0.00	0.9521	
int	1	-0.0953	0.0343	-0.1625 -0.0280	7.71	0.0055	
C	1	-0.0426	0.0171	-0.0762 -0.0091	6.21	0.0127	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04306	-0.22130	0.15895	0.16420
2	1.04306	0.00305	-0.00197	-0.00105
3	1.04306	-0.00197	0.00443	0.00003
4	1.04306	-0.00105	0.00003	0.00098

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA132
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1023.2706	1.0284
Scaled Deviance	995	1023.2706	1.0284
Pearson Chi-Square	995	930.3475	0.9350
Scaled Pearson X2	995	930.3475	0.9350
Log Likelihood		442.3639	
Full Log Likelihood		-1925.0895	
AIC (smaller is better)		3860.1790	
AICC (smaller is better)		3860.2394	
BIC (smaller is better)		3884.7178	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008256	-0.000530	0.0001034	-0.000055	-0.000299
Prm2	-0.000530	0.001338	-0.000034	4.3684E-6	-7.392E-6
Prm3	0.0001034	-0.000034	0.0005081	-0.000497	-0.000070
Prm4	-0.000055	4.3684E-6	-0.000497	0.001178	0.0000200
Prm5	-0.000299	-7.392E-6	-0.000070	0.0000200	0.0003105

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1802	0.0287	1.1239	1.2365	1686.98	<.0001
A	1	0.0161	0.0366	-0.0556	0.0878	0.19	0.6594
M_cont	1	-0.0363	0.0225	-0.0805	0.0079	2.59	0.1074
int	1	-0.0420	0.0343	-0.1093	0.0253	1.50	0.2208
C	1	-0.0467	0.0176	-0.0812	-0.0121	7.01	0.0081
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04156	-0.24274	0.15605	0.22028
2	1.04156	0.00284	-0.00176	-0.00102
3	1.04156	-0.00176	0.00452	-0.00005
4	1.04156	-0.00102	-0.00005	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA133
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1096.9863	1.1025
Scaled Deviance	995	1096.9863	1.1025
Pearson Chi-Square	995	1020.2870	1.0254
Scaled Pearson X2	995	1020.2870	1.0254
Log Likelihood		347.4889	
Full Log Likelihood		-1939.5679	
AIC (smaller is better)		3889.1359	
AICC (smaller is better)		3889.1962	
BIC (smaller is better)		3913.6747	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009498	-0.000600	8.3519E-6	0.0000113	-0.000346
Prm2	-0.000600	0.001338	0.0000347	-0.000023	2.0593E-6
Prm3	8.3519E-6	0.0000347	0.0006005	-0.000598	-0.000043
Prm4	0.0000113	-0.000023	-0.000598	0.001234	0.0000232
Prm5	-0.000346	2.0593E-6	-0.000043	0.0000232	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	1.1450	0.0308	1.0846 1.2054	1380.27	<.0001	
A	1	-0.0006	0.0366	-0.0723 0.0711	0.00	0.9873	
M_cont	1	-0.0162	0.0245	-0.0642 0.0319	0.44	0.5092	
int	1	-0.1241	0.0351	-0.1930 -0.0553	12.48	0.0004	
C	1	-0.0301	0.0184	-0.0663 0.0060	2.68	0.1017	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02742	-0.031352	0.066570	0.10392
2	1.02742	0.003110	-0.001926	-0.00113
3	1.02742	-0.001926	0.004269	0.00001
4	1.02742	-0.001130	0.000013	0.00107

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA134
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1010.8013	1.0159
Scaled Deviance	995	1010.8013	1.0159
Pearson Chi-Square	995	940.5537	0.9453
Scaled Pearson X2	995	940.5537	0.9453
Log Likelihood		451.2863	
Full Log Likelihood		-1920.4475	
AIC (smaller is better)		3850.8950	
AICC (smaller is better)		3850.9554	
BIC (smaller is better)		3875.4338	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009138	-0.000560	0.0000759	-0.000018	-0.000351
Prm2	-0.000560	0.001318	-6.116E-7	0.0000352	7.0575E-6
Prm3	0.0000759	-6.116E-7	0.0005375	-0.000525	-0.000075
Prm4	-0.000018	0.0000352	-0.000525	0.001114	0.0000188
Prm5	-0.000351	7.0575E-6	-0.000075	0.0000188	0.0003422

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1942	0.0302	1.1349 1.2534	1560.57	<.0001	
A	1	-0.0648	0.0363	-0.1359 0.0064	3.19	0.0743	
M_cont	1	-0.0385	0.0232	-0.0839 0.0069	2.76	0.0967	
int	1	-0.0986	0.0334	-0.1640 -0.0332	8.73	0.0031	
C	1	-0.0254	0.0185	-0.0616 0.0109	1.88	0.1705	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04692	-0.19558	0.073518	0.22991
2	1.04692	0.00320	-0.001963	-0.00118
3	1.04692	-0.00196	0.004455	0.00002
4	1.04692	-0.00118	0.000015	0.00111

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA135
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1025.8884	1.0310
Scaled Deviance	995	1025.8884	1.0310
Pearson Chi-Square	995	947.7845	0.9525
Scaled Pearson X2	995	947.7845	0.9525
Log Likelihood		479.3582	
Full Log Likelihood		-1932.7400	
AIC (smaller is better)		3875.4799	
AICC (smaller is better)		3875.5403	
BIC (smaller is better)		3900.0187	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008389	-0.000535	0.0000731	-0.000048	-0.000317
Prm2	-0.000535	0.001336	-6.434E-6	-0.000045	0.0000141
Prm3	0.0000731	-6.434E-6	0.0005039	-0.000498	-0.000070
Prm4	-0.000048	-0.000045	-0.000498	0.001121	0.0000449
Prm5	-0.000317	0.0000141	-0.000070	0.0000449	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	1.2245	0.0290	1.1678	1.2813	1787.51	<.0001
A	1	-0.0900	0.0366	-0.1616	-0.0183	6.06	0.0138
M_cont	1	-0.0580	0.0224	-0.1020	-0.0140	6.68	0.0097
int	1	0.0006	0.0335	-0.0650	0.0663	0.00	0.9845
C	1	-0.0362	0.0178	-0.0712	-0.0013	4.14	0.0419
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06086	-0.12537	0.10384	0.17964
2	1.06086	0.00312	-0.00198	-0.00114
3	1.06086	-0.00198	0.00464	0.00006
4	1.06086	-0.00114	0.00006	0.00108

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA136
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	994.6975	0.9997
Scaled Deviance	995	994.6975	0.9997
Pearson Chi-Square	995	889.3695	0.8938
Scaled Pearson X2	995	889.3695	0.8938
Log Likelihood		430.0180	
Full Log Likelihood		-1902.8067	
AIC (smaller is better)		3815.6133	
AICC (smaller is better)		3815.6737	
BIC (smaller is better)		3840.1521	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008716	-0.000548	0.0001202	-0.000073	-0.000320
Prm2	-0.000548	0.001333	-0.000048	0.0000841	-0.000014
Prm3	0.0001202	-0.000048	0.0005098	-0.000499	-0.000072
Prm4	-0.000073	0.0000841	-0.000499	0.001127	0.0000229
Prm5	-0.000320	-0.000014	-0.000072	0.0000229	0.0003308

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1957	0.0295	1.1378 1.2535	1640.32	<.0001	
A	1	-0.0398	0.0365	-0.1114 0.0317	1.19	0.2755	
M_cont	1	-0.0284	0.0226	-0.0726 0.0159	1.58	0.2089	
int	1	-0.1294	0.0336	-0.1952 -0.0636	14.87	0.0001	
C	1	-0.0468	0.0182	-0.0825 -0.0112	6.62	0.0101	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05692	-0.27422	0.18752	0.21500
2	1.05692	0.00307	-0.00189	-0.00110
3	1.05692	-0.00189	0.00456	-0.00008
4	1.05692	-0.00110	-0.00008	0.00110

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA137
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1066.8233	1.0722
Scaled Deviance	995	1066.8233	1.0722
Pearson Chi-Square	995	1006.9932	1.0121
Scaled Pearson X2	995	1006.9932	1.0121
Log Likelihood		426.9611	
Full Log Likelihood		-1943.6695	
AIC (smaller is better)		3897.3389	
AICC (smaller is better)		3897.3993	
BIC (smaller is better)		3921.8777	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008768	-0.000577	0.0001027	-0.000052	-0.000312
Prm2	-0.000577	0.001314	-0.000050	0.0000310	8.9191E-7
Prm3	0.0001027	-0.000050	0.0005553	-0.000546	-0.000055
Prm4	-0.000052	0.0000310	-0.000546	0.001229	1.8415E-6
Prm5	-0.000312	8.9191E-7	-0.000055	1.8415E-6	0.0003246

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1595	0.0296	1.1014	1.2175	1533.29	<.0001
A	1	0.0078	0.0362	-0.0632	0.0789	0.05	0.8291
M_cont	1	-0.0268	0.0236	-0.0730	0.0194	1.30	0.2551
int	1	-0.0901	0.0351	-0.1589	-0.0214	6.61	0.0101
C	1	-0.0266	0.0180	-0.0619	0.0087	2.18	0.1400
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01941	-0.23008	0.21427	0.17423
2	1.01941	0.00283	-0.00182	-0.00100
3	1.01941	-0.00182	0.00422	-0.00003
4	1.01941	-0.000100	-0.00003	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA138
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1097.6978	1.1032
Scaled Deviance	995	1097.6978	1.1032
Pearson Chi-Square	995	1008.0218	1.0131
Scaled Pearson X2	995	1008.0218	1.0131
Log Likelihood		467.4583	
Full Log Likelihood		-1959.8704	
AIC (smaller is better)		3929.7407	
AICC (smaller is better)		3929.8011	
BIC (smaller is better)		3954.2795	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008626	-0.000511	0.0000626	-0.000017	-0.000318
Prm2	-0.000511	0.001317	-0.000019	-0.000019	-0.000033
Prm3	0.0000626	-0.000019	0.0005049	-0.000499	-0.000040
Prm4	-0.000017	-0.000019	-0.000499	0.001129	-5.554E-6
Prm5	-0.000318	-0.000033	-0.000040	-5.554E-6	0.0003177

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1377	0.0294	1.0801	1.1953	1500.56	<.0001
A	1	0.0280	0.0363	-0.0431	0.0991	0.60	0.4404
M_cont	1	-0.0380	0.0225	-0.0820	0.0061	2.85	0.0912
int	1	-0.0585	0.0336	-0.1243	0.0074	3.03	0.0817
C	1	0.0010	0.0178	-0.0340	0.0359	0.00	0.9564
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05615	-0.15501	0.17036	0.15018
2	1.05615	0.00298	-0.00175	-0.00109
3	1.05615	-0.00175	0.00463	-0.00014
4	1.05615	-0.000109	-0.00014	0.00109

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA139
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1055.5925	1.0609
Scaled Deviance	995	1055.5925	1.0609
Pearson Chi-Square	995	973.3543	0.9782
Scaled Pearson X2	995	973.3543	0.9782
Log Likelihood		349.3999	
Full Log Likelihood		-1924.3178	
AIC (smaller is better)		3858.6356	
AICC (smaller is better)		3858.6959	
BIC (smaller is better)		3883.1744	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008757	-0.000583	0.0000767	-0.000041	-0.000300
Prm2	-0.000583	0.001363	-0.000038	-0.000053	9.9158E-6
Prm3	0.0000767	-0.000038	0.0005146	-0.000510	-0.000040
Prm4	-0.000041	-0.000053	-0.000510	0.001196	4.737E-6
Prm5	-0.000300	9.9158E-6	-0.000040	4.737E-6	0.0002972

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1441	0.0296	1.0861	1.2021	1494.65	<.0001
A	1	-0.0286	0.0369	-0.1010	0.0437	0.60	0.4383
M_cont	1	-0.0539	0.0227	-0.0983	-0.0094	5.64	0.0175
int	1	-0.0445	0.0346	-0.1123	0.0233	1.66	0.1980
C	1	-0.0138	0.0172	-0.0476	0.0200	0.64	0.4234
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05278	-0.14801	0.25407	0.13554
2	1.05278	0.00299	-0.00197	-0.00100
3	1.05278	-0.00197	0.00451	0.00001
4	1.05278	-0.00100	0.00001	0.00098

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA140
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	980.4212	0.9853
Scaled Deviance	995	980.4212	0.9853
Pearson Chi-Square	995	882.7842	0.8872
Scaled Pearson X2	995	882.7842	0.8872
Log Likelihood		479.4270	
Full Log Likelihood		-1909.5159	
AIC (smaller is better)		3829.0317	
AICC (smaller is better)		3829.0921	
BIC (smaller is better)		3853.5705	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008996	-0.000545	0.0000640	-0.000037	-0.000345
Prm2	-0.000545	0.001332	-0.000023	-0.000053	0.0000129
Prm3	0.0000640	-0.000023	0.0005085	-0.000505	-0.000040
Prm4	-0.000037	-0.000053	-0.000505	0.001149	0.0000145
Prm5	-0.000345	0.0000129	-0.000040	0.0000145	0.0003231

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2014	0.0300	1.1426 1.2602	1604.48	<.0001	
A	1	-0.0713	0.0365	-0.1428 0.0002	3.82	0.0507	
M_cont	1	-0.0435	0.0226	-0.0877 0.0007	3.72	0.0538	
int	1	-0.0715	0.0339	-0.1379 -0.0051	4.45	0.0349	
C	1	-0.0155	0.0180	-0.0507 0.0197	0.74	0.3887	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06173	-0.12762	0.25613	0.12320
2	1.06173	0.00328	-0.00199	-0.00122
3	1.06173	-0.00199	0.00462	0.00003
4	1.06173	-0.00122	0.00003	0.00113

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA141
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1088.7512	1.0942
Scaled Deviance	995	1088.7512	1.0942
Pearson Chi-Square	995	995.0783	1.0001
Scaled Pearson X2	995	995.0783	1.0001
Log Likelihood		478.1288	
Full Log Likelihood		-1957.5171	
AIC (smaller is better)		3925.0342	
AICC (smaller is better)		3925.0946	
BIC (smaller is better)		3949.5730	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008598	-0.000545	0.0000385	4.2835E-6	-0.000312
Prm2	-0.000545	0.001304	1.9002E-6	-0.000029	1.7626E-6
Prm3	0.0000385	1.9002E-6	0.0004839	-0.000478	-0.000040
Prm4	4.2835E-6	-0.000029	-0.000478	0.001094	-2.12E-6
Prm5	-0.000312	1.7626E-6	-0.000040	-2.12E-6	0.0003069

## The GENMOD 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	0.0293	1.1142	1.2291	1596.58	<.0001
A	1	-0.0238	0.0361	-0.0946	0.0470	0.44	0.5094
M_cont	1	-0.0063	0.0220	-0.0494	0.0368	0.08	0.7757
int	1	-0.0634	0.0331	-0.1282	0.0014	3.67	0.0553
C	1	-0.0089	0.0175	-0.0432	0.0254	0.26	0.6113
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07705	-0.14201	0.11702	0.15069
2	1.07705	0.00318	-0.00200	-0.00113
3	1.07705	-0.00200	0.00475	-0.00001
4	1.07705	-0.00113	-0.00001	0.00110

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA142
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1036.1205	1.0413
Scaled Deviance	995	1036.1205	1.0413
Pearson Chi-Square	995	932.2071	0.9369
Scaled Pearson X2	995	932.2071	0.9369
Log Likelihood		450.9139	
Full Log Likelihood		-1930.6296	
AIC (smaller is better)		3871.2593	
AICC (smaller is better)		3871.3196	
BIC (smaller is better)		3895.7981	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008941	-0.000555	0.0001165	-0.000086	-0.000328
Prm2	-0.000555	0.001318	-0.000067	0.0000406	-0.000010
Prm3	0.0001165	-0.000067	0.0005227	-0.000518	-0.000048
Prm4	-0.000086	0.0000406	-0.000518	0.001118	0.0000168
Prm5	-0.000328	-0.000010	-0.000048	0.0000168	0.0003263

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1329	0.0299	1.0743	1.1915	1435.56	<.0001
A	1	0.0204	0.0363	-0.0508	0.0915	0.31	0.5749
M_cont	1	-0.0480	0.0229	-0.0929	-0.0032	4.42	0.0356
int	1	-0.0525	0.0334	-0.1181	0.0130	2.47	0.1162
C	1	0.0008	0.0181	-0.0346	0.0362	0.00	0.9651
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06224	-0.22545	0.24443	0.14489
2	1.06224	0.00307	-0.00189	-0.00112
3	1.06224	-0.00189	0.00462	-0.00007
4	1.06224	-0.00112	-0.00007	0.00113

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA143
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1057.6921	1.0630
Scaled Deviance	995	1057.6921	1.0630
Pearson Chi-Square	995	945.9863	0.9507
Scaled Pearson X2	995	945.9863	0.9507
Log Likelihood		526.2753	
Full Log Likelihood		-1950.2677	
AIC (smaller is better)		3910.5353	
AICC (smaller is better)		3910.5957	
BIC (smaller is better)		3935.0741	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009088	-0.000590	0.0000564	-0.000029	-0.000332
Prm2	-0.000590	0.001288	9.6844E-6	5.558E-6	0.0000407
Prm3	0.0000564	9.6844E-6	0.0005886	-0.000583	-0.000069
Prm4	-0.000029	5.558E-6	-0.000583	0.001142	0.0000436
Prm5	-0.000332	0.0000407	-0.000069	0.0000436	0.0003039

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2036	0.0301	1.1445	1.2627	1594.02	<.0001
A	1	0.0062	0.0359	-0.0641	0.0766	0.03	0.8621
M_cont	1	0.0206	0.0243	-0.0269	0.0682	0.72	0.3953
int	1	-0.1197	0.0338	-0.1859	-0.0535	12.55	0.0004
C	1	-0.0416	0.0174	-0.0757	-0.0074	5.69	0.0171
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03691	-0.16727	0.10135	0.16567
2	1.03691	0.00318	-0.00202	-0.00115
3	1.03691	-0.00202	0.00442	0.00014
4	1.03691	-0.00115	0.00014	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA144
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1081.5650	1.0870
Scaled Deviance	995	1081.5650	1.0870
Pearson Chi-Square	995	975.1409	0.9800
Scaled Pearson X2	995	975.1409	0.9800
Log Likelihood		434.9546	
Full Log Likelihood		-1945.3284	
AIC (smaller is better)		3900.6568	
AICC (smaller is better)		3900.7172	
BIC (smaller is better)		3925.1956	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008697	-0.000584	0.0000682	-0.000026	-0.000301
Prm2	-0.000584	0.001299	-8.926E-6	-0.000027	8.1092E-7
Prm3	0.0000682	-8.926E-6	0.0005472	-0.000538	-0.000063
Prm4	-0.000026	-0.000027	-0.000538	0.001134	0.0000181
Prm5	-0.000301	8.1092E-7	-0.000063	0.0000181	0.0003167

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1916	0.0295	1.1338	1.2494	1632.72	<.0001
A	1	-0.0495	0.0360	-0.1201	0.0211	1.89	0.1697
M_cont	1	-0.0316	0.0234	-0.0774	0.0143	1.82	0.1772
int	1	-0.0451	0.0337	-0.1111	0.0209	1.80	0.1802
C	1	-0.0294	0.0178	-0.0643	0.0055	2.73	0.0984
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05599	-0.16392	0.12959	0.19113
2	1.05599	0.00312	-0.00207	-0.00105
3	1.05599	-0.00207	0.00448	-0.00001
4	1.05599	-0.00105	-0.00001	0.00107

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA145
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1066.3553	1.0717
Scaled Deviance	995	1066.3553	1.0717
Pearson Chi-Square	995	983.9296	0.9889
Scaled Pearson X2	995	983.9296	0.9889
Log Likelihood		480.1217	
Full Log Likelihood		-1942.6951	
AIC (smaller is better)		3895.3901	
AICC (smaller is better)		3895.4505	
BIC (smaller is better)		3919.9289	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008621	-0.000561	0.0000904	-0.000052	-0.000312
Prm2	-0.000561	0.001308	-0.000025	0.0000473	7.7024E-6
Prm3	0.0000904	-0.000025	0.0005343	-0.000526	-0.000068
Prm4	-0.000052	0.0000473	-0.000526	0.001147	0.0000289
Prm5	-0.000312	7.7024E-6	-0.000068	0.0000289	0.0003156

## The GENMOD 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	0.0294	1.1418	1.2569	1668.70	<.0001
A	1	-0.0197	0.0362	-0.0906	0.0511	0.30	0.5853
M_cont	1	-0.0483	0.0231	-0.0936	-0.0030	4.37	0.0365
int	1	-0.1115	0.0339	-0.1779	-0.0452	10.85	0.0010
C	1	-0.0431	0.0178	-0.0779	-0.0083	5.88	0.0153
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04631	-0.18041	0.14854	0.18985
2	1.04631	0.00305	-0.00194	-0.00109
3	1.04631	-0.00194	0.00447	0.00001
4	1.04631	-0.00109	0.00001	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA146
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1053.7025	1.0590
Scaled Deviance	995	1053.7025	1.0590
Pearson Chi-Square	995	988.6761	0.9936
Scaled Pearson X2	995	988.6761	0.9936
Log Likelihood		489.0133	
Full Log Likelihood		-1948.2722	
AIC (smaller is better)		3906.5443	
AICC (smaller is better)		3906.6047	
BIC (smaller is better)		3931.0831	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009207	-0.000604	0.0000924	-0.000068	-0.000339
Prm2	-0.000604	0.001301	-0.000064	0.0000149	0.0000343
Prm3	0.0000924	-0.000064	0.0005232	-0.000521	-0.000030
Prm4	-0.000068	0.0000149	-0.000521	0.001101	6.7254E-6
Prm5	-0.000339	0.0000343	-0.000030	6.7254E-6	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	1.1892	0.0303	1.1297	1.2487	1536.06	<.0001
A	1	-0.0007	0.0361	-0.0714	0.0700	0.00	0.9851
M_cont	1	-0.0626	0.0229	-0.1074	-0.0178	7.49	0.0062
int	1	-0.0246	0.0332	-0.0896	0.0404	0.55	0.4587
C	1	-0.0356	0.0181	-0.0710	-0.0002	3.89	0.0487
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.08067	-0.15655	0.24990	0.10328
2	1.08067	0.00346	-0.00220	-0.00129
3	1.08067	-0.00220	0.00475	0.00011
4	1.08067	-0.00129	0.00011	0.00120

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA147
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1024.8876	1.0300
Scaled Deviance	995	1024.8876	1.0300
Pearson Chi-Square	995	941.2273	0.9460
Scaled Pearson X2	995	941.2273	0.9460
Log Likelihood		399.8025	
Full Log Likelihood		-1919.2883	
AIC (smaller is better)		3848.5766	
AICC (smaller is better)		3848.6369	
BIC (smaller is better)		3873.1154	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009303	-0.000565	0.0000294	0.0000181	-0.000352
Prm2	-0.000565	0.001335	0.0000293	-0.000111	-5.316E-6
Prm3	0.0000294	0.0000293	0.0005005	-0.000493	-0.000057
Prm4	0.0000181	-0.000111	-0.000493	0.001179	0.0000100
Prm5	-0.000352	-5.316E-6	-0.000057	0.0000100	0.0003439

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1371	0.0305	1.0773	1.1969	1389.96	<.0001
A	1	-0.0278	0.0365	-0.0994	0.0439	0.58	0.4474
M_cont	1	-0.0056	0.0224	-0.0494	0.0383	0.06	0.8031
int	1	-0.1163	0.0343	-0.1836	-0.0490	11.47	0.0007
C	1	0.0105	0.0185	-0.0258	0.0469	0.32	0.5710
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04955	-0.12111	0.18214	0.17924
2	1.04955	0.00316	-0.00193	-0.00116
3	1.04955	-0.00193	0.00447	-0.00005
4	1.04955	-0.00116	-0.00005	0.00113

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA148
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1082.1912	1.0876
Scaled Deviance	995	1082.1912	1.0876
Pearson Chi-Square	995	1002.8234	1.0079
Scaled Pearson X2	995	1002.8234	1.0079
Log Likelihood		440.4705	
Full Log Likelihood		-1945.7047	
AIC (smaller is better)		3901.4095	
AICC (smaller is better)		3901.4698	
BIC (smaller is better)		3925.9482	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008807	-0.000537	0.0001035	-0.000075	-0.000333
Prm2	-0.000537	0.001347	-0.000021	0.0000675	1.3549E-6
Prm3	0.0001035	-0.000021	0.0005881	-0.000581	-0.000079
Prm4	-0.000075	0.0000675	-0.000581	0.001296	0.0000522
Prm5	-0.000333	1.3549E-6	-0.000079	0.0000522	0.0003210

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2176	0.0297	1.1595	1.2758	1683.53	<.0001
A	1	-0.1621	0.0367	-0.2341	-0.0902	19.52	<.0001
M_cont	1	-0.0181	0.0243	-0.0657	0.0294	0.56	0.4549
int	1	-0.1173	0.0360	-0.1879	-0.0467	10.61	0.0011
C	1	-0.0148	0.0179	-0.0499	0.0203	0.68	0.4080
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00482	-0.19767	0.10723	0.17272
2	1.00482	0.00286	-0.00179	-0.00102
3	1.00482	-0.00179	0.00410	-0.00001
4	1.00482	-0.00102	-0.00001	0.00097

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA149
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1076.7557	1.0822
Scaled Deviance	995	1076.7557	1.0822
Pearson Chi-Square	995	993.6336	0.9986
Scaled Pearson X2	995	993.6336	0.9986
Log Likelihood		457.6890	
Full Log Likelihood		-1950.8043	
AIC (smaller is better)		3911.6087	
AICC (smaller is better)		3911.6690	
BIC (smaller is better)		3936.1475	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.00008494	-0.0000607	0.0000928	-0.0000050	-0.0000285
Prm2	-0.0000607	0.001307	-0.000046	-1.847E-7	0.0000391
Prm3	0.0000928	-0.000046	0.0005142	-0.000506	-0.000055
Prm4	-0.0000050	-1.847E-7	-0.000506	0.001082	0.0000114
Prm5	-0.0000285	0.0000391	-0.000055	0.0000114	0.0002894

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1906	0.0291	1.1335	1.2477	1668.94	<.0001
A	1	-0.0239	0.0362	-0.0947	0.0470	0.44	0.5088
M_cont	1	-0.0304	0.0227	-0.0748	0.0141	1.80	0.1802
int	1	-0.0236	0.0329	-0.0881	0.0409	0.52	0.4729
C	1	-0.0369	0.0170	-0.0702	-0.0035	4.69	0.0303
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07789	-0.22096	0.20071	0.18229
2	1.07789	0.00315	-0.00220	-0.00104
3	1.07789	-0.00220	0.00472	0.00011
4	1.07789	-0.00104	0.00011	0.00102

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA150
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1038.9913	1.0442
Scaled Deviance	995	1038.9913	1.0442
Pearson Chi-Square	995	962.3620	0.9672
Scaled Pearson X2	995	962.3620	0.9672
Log Likelihood		334.0837	
Full Log Likelihood		-1917.5282	
AIC (smaller is better)		3845.0564	
AICC (smaller is better)		3845.1167	
BIC (smaller is better)		3869.5951	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009454	-0.000629	0.0001014	-0.000044	-0.000355
Prm2	-0.000629	0.001367	-0.000035	-0.000044	0.0000512
Prm3	0.0001014	-0.000035	0.0005565	-0.000545	-0.000075
Prm4	-0.000044	-0.000044	-0.000545	0.001170	0.0000196
Prm5	-0.000355	0.0000512	-0.000075	0.0000196	0.0003416

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1658	0.0307	1.1055	1.2261	1437.56	<.0001
A	1	-0.0561	0.0370	-0.1286	0.0163	2.31	0.1289
M_cont	1	-0.0152	0.0236	-0.0614	0.0310	0.41	0.5196
int	1	-0.0301	0.0342	-0.0972	0.0369	0.78	0.3782
C	1	-0.0305	0.0185	-0.0667	0.0057	2.72	0.0988
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04988	-0.25563	0.22239	0.22027
2	1.04988	0.00321	-0.00211	-0.00116
3	1.04988	-0.00211	0.00449	0.00013
4	1.04988	-0.00116	0.00013	0.00109

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA151
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1004.7775	1.0098
Scaled Deviance	995	1004.7775	1.0098
Pearson Chi-Square	995	907.6490	0.9122
Scaled Pearson X2	995	907.6490	0.9122
Log Likelihood		411.7980	
Full Log Likelihood		-1912.3394	
AIC (smaller is better)		3834.6788	
AICC (smaller is better)		3834.7391	
BIC (smaller is better)		3859.2176	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009309	-0.000621	0.0000588	-8.627E-6	-0.000330
Prm2	-0.000621	0.001337	-0.000027	-0.000020	0.0000536
Prm3	0.0000588	-0.000027	0.0004838	-0.000479	-0.000034
Prm4	-8.627E-6	-0.000020	-0.000479	0.001186	-0.000011
Prm5	-0.000330	0.0000536	-0.000034	-0.000011	0.0002945

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1724	0.0305	1.1126 1.2322	1476.65	<.0001	
A	1	-0.0534	0.0366	-0.1250 0.0183	2.13	0.1442	
M_cont	1	-0.0336	0.0220	-0.0767 0.0095	2.33	0.1265	
int	1	-0.0707	0.0344	-0.1382 -0.0032	4.22	0.0400	
C	1	-0.0145	0.0172	-0.0481 0.0191	0.71	0.3986	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05426	-0.15857	0.19542	0.13727
2	1.05426	0.00327	-0.00216	-0.00114
3	1.05426	-0.00216	0.00454	0.00016
4	1.05426	-0.00114	0.00016	0.00100

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA152
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1114.4055	1.1200
Scaled Deviance	995	1114.4055	1.1200
Pearson Chi-Square	995	1047.0500	1.0523
Scaled Pearson X2	995	1047.0500	1.0523
Log Likelihood		556.5264	
Full Log Likelihood		-1980.3099	
AIC (smaller is better)		3970.6198	
AICC (smaller is better)		3970.6802	
BIC (smaller is better)		3995.1586	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008098	-0.000559	0.0000787	-0.000051	-0.000275
Prm2	-0.000559	0.001269	-0.000024	-0.000022	6.2343E-6
Prm3	0.0000787	-0.000024	0.0005877	-0.000582	-0.000060
Prm4	-0.000051	-0.000022	-0.000582	0.001209	0.0000303
Prm5	-0.000275	6.2343E-6	-0.000060	0.0000303	0.0002947

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2266	0.0285	1.1708	1.2824	1857.99	<.0001
A	1	-0.0137	0.0356	-0.0835	0.0561	0.15	0.7005
M_cont	1	-0.0024	0.0242	-0.0499	0.0451	0.01	0.9205
int	1	-0.1183	0.0348	-0.1864	-0.0501	11.57	0.0007
C	1	-0.0474	0.0172	-0.0811	-0.0138	7.63	0.0057
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01352	-0.18563	0.24338	0.16104
2	1.01352	0.00276	-0.00185	-0.00093
3	1.01352	-0.00185	0.00416	0.00000
4	1.01352	-0.00093	0.00000	0.00095

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA153
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1050.0203	1.0553
Scaled Deviance	995	1050.0203	1.0553
Pearson Chi-Square	995	958.7701	0.9636
Scaled Pearson X2	995	958.7701	0.9636
Log Likelihood		455.0303	
Full Log Likelihood		-1936.2617	
AIC (smaller is better)		3882.5234	
AICC (smaller is better)		3882.5837	
BIC (smaller is better)		3907.0621	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008368	-0.000522	0.0000809	-0.000048	-0.000311
Prm2	-0.000522	0.001344	-0.000055	-0.000014	-0.000022
Prm3	0.0000809	-0.000055	0.0004764	-0.000474	-0.000026
Prm4	-0.000048	-0.000014	-0.000474	0.001172	-8.5E-6
Prm5	-0.000311	-0.000022	-0.000026	-8.5E-6	0.0003294

## The GENMOD 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	0.0289	1.1354	1.2488	1698.18	<.0001
A	1	-0.0321	0.0367	-0.1040	0.0397	0.77	0.3807
M_cont	1	-0.0413	0.0218	-0.0841	0.0014	3.59	0.0583
int	1	-0.0842	0.0342	-0.1513	-0.0171	6.05	0.0139
C	1	-0.0324	0.0182	-0.0680	0.0032	3.18	0.0744
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06462	-0.17463	0.30871	0.10810
2	1.06462	0.00304	-0.00184	-0.00112
3	1.06462	-0.00184	0.00467	-0.00011
4	1.06462	-0.00112	-0.00011	0.00115

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA154
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1062.7342	1.0681
Scaled Deviance	995	1062.7342	1.0681
Pearson Chi-Square	995	980.2785	0.9852
Scaled Pearson X2	995	980.2785	0.9852
Log Likelihood		451.4001	
Full Log Likelihood		-1945.3913	
AIC (smaller is better)		3900.7826	
AICC (smaller is better)		3900.8430	
BIC (smaller is better)		3925.3214	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008545	-0.000556	0.0000800	-0.000065	-0.000294
Prm2	-0.000556	0.001321	-0.000022	0.0000284	0.0000102
Prm3	0.0000800	-0.000022	0.0004877	-0.000485	-0.000057
Prm4	-0.000065	0.0000284	-0.000485	0.001162	0.0000423
Prm5	-0.000294	0.0000102	-0.000057	0.0000423	0.0002784

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1652	0.0292	1.1079	1.2225	1588.83	<.0001
A	1	-0.0439	0.0363	-0.1151	0.0273	1.46	0.2271
M_cont	1	-0.0703	0.0221	-0.1136	-0.0271	10.14	0.0014
int	1	-0.0198	0.0341	-0.0866	0.0470	0.34	0.5617
C	1	-0.0047	0.0167	-0.0374	0.0280	0.08	0.7763
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05834	-0.11271	0.060620	0.14163
2	1.05834	0.00303	-0.001986	-0.00102
3	1.05834	-0.00199	0.004588	0.00004
4	1.05834	-0.00102	0.000039	0.00095

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA155
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1124.9169	1.1306
Scaled Deviance	995	1124.9169	1.1306
Pearson Chi-Square	995	1002.5026	1.0075
Scaled Pearson X2	995	1002.5026	1.0075
Log Likelihood		417.5669	
Full Log Likelihood		-1959.3058	
AIC (smaller is better)		3928.6115	
AICC (smaller is better)		3928.6719	
BIC (smaller is better)		3953.1503	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008464	-0.000569	0.0000658	-0.000044	-0.000295
Prm2	-0.000569	0.001323	-0.000032	-0.000051	-5.929E-6
Prm3	0.0000658	-0.000032	0.0005133	-0.000511	-0.000035
Prm4	-0.000044	-0.000051	-0.000511	0.001132	0.0000115
Prm5	-0.000295	-5.929E-6	-0.000035	0.0000115	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	1.1701	0.0291	1.1131	1.2271	1617.60	<.0001
A	1	-0.0353	0.0364	-0.1066	0.0359	0.94	0.3312
M_cont	1	-0.0380	0.0227	-0.0824	0.0064	2.81	0.0938
int	1	-0.0044	0.0336	-0.0704	0.0615	0.02	0.8949
C	1	-0.0205	0.0179	-0.0555	0.0146	1.31	0.2523
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06902	-0.12567	0.20333	0.11219
2	1.06902	0.00307	-0.00204	-0.00106
3	1.06902	-0.00204	0.00462	-0.00003
4	1.06902	-0.00106	-0.00003	0.00112

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA156
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1120.7912	1.1264
Scaled Deviance	995	1120.7912	1.1264
Pearson Chi-Square	995	1010.4906	1.0156
Scaled Pearson X2	995	1010.4906	1.0156
Log Likelihood		363.5423	
Full Log Likelihood		-1948.3908	
AIC (smaller is better)		3906.7815	
AICC (smaller is better)		3906.8419	
BIC (smaller is better)		3931.3203	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.00008703	-0.0000569	0.0000338	2.0217E-6	-0.0000308
Prm2	-0.0000569	0.001358	-9.994E-6	-7.171E-6	0.00000159
Prm3	0.0000338	-9.994E-6	0.0005149	-0.000512	-0.0000024
Prm4	2.0217E-6	-7.171E-6	-0.000512	0.001150	-0.0000010
Prm5	-0.0000308	0.00000159	-0.0000024	-0.0000010	0.0002992

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1581	0.0295	1.1003 1.2159	1541.12	<.0001	
A	1	-0.0449	0.0369	-0.1171 0.0273	1.49	0.2229	
M_cont	1	-0.0214	0.0227	-0.0659 0.0230	0.89	0.3449	
int	1	-0.0695	0.0339	-0.1360 -0.0030	4.20	0.0404	
C	1	-0.0199	0.0173	-0.0538 0.0140	1.32	0.2502	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07377	-0.10025	0.13860	0.10264
2	1.07377	0.00315	-0.00203	-0.00111
3	1.07377	-0.00203	0.00473	0.00004
4	1.07377	-0.00111	0.00004	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA157
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1063.3923	1.0687
Scaled Deviance	995	1063.3923	1.0687
Pearson Chi-Square	995	962.9175	0.9678
Scaled Pearson X2	995	962.9175	0.9678
Log Likelihood		416.0569	
Full Log Likelihood		-1931.5272	
AIC (smaller is better)		3873.0545	
AICC (smaller is better)		3873.1148	
BIC (smaller is better)		3897.5933	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008549	-0.000562	0.0000743	-0.000056	-0.000298
Prm2	-0.000562	0.001344	-0.000036	-0.000048	4.1108E-6
Prm3	0.0000743	-0.000036	0.0005030	-0.000501	-0.000039
Prm4	-0.000056	-0.000048	-0.000501	0.001093	0.0000203
Prm5	-0.000298	4.1108E-6	-0.000039	0.0000203	0.0002997

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2191	0.0292	1.1618	1.2764	1738.42	<.0001
A	1	-0.0995	0.0367	-0.1713	-0.0276	7.37	0.0067
M_cont	1	-0.0576	0.0224	-0.1016	-0.0136	6.60	0.0102
int	1	-0.0145	0.0331	-0.0793	0.0503	0.19	0.6606
C	1	-0.0417	0.0173	-0.0756	-0.0077	5.79	0.0161
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.09004	-0.11666	0.24257	0.10993
2	1.09004	0.00333	-0.00215	-0.00113
3	1.09004	-0.00215	0.00481	0.00001
4	1.09004	-0.00113	0.00001	0.00109

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA158
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1059.9213	1.0652
Scaled Deviance	995	1059.9213	1.0652
Pearson Chi-Square	995	977.7853	0.9827
Scaled Pearson X2	995	977.7853	0.9827
Log Likelihood		459.2887	
Full Log Likelihood		-1941.5105	
AIC (smaller is better)		3893.0210	
AICC (smaller is better)		3893.0813	
BIC (smaller is better)		3917.5598	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009058	-0.000589	0.0001148	-0.000083	-0.000315
Prm2	-0.000589	0.001316	-0.000048	0.0000385	0.0000314
Prm3	0.0001148	-0.000048	0.0004975	-0.000491	-0.000067
Prm4	-0.000083	0.0000385	-0.000491	0.001156	0.0000379
Prm5	-0.000315	0.0000314	-0.000067	0.0000379	0.0002832

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1632	0.0301	1.1042	1.2222	1493.69	<.0001
A	1	-0.0265	0.0363	-0.0976	0.0446	0.53	0.4654
M_cont	1	-0.0424	0.0223	-0.0861	0.0013	3.61	0.0574
int	1	-0.0700	0.0340	-0.1367	-0.0034	4.24	0.0394
C	1	-0.0068	0.0168	-0.0398	0.0262	0.16	0.6863
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05060	-0.23432	0.18727	0.17986
2	1.05060	0.00311	-0.00203	-0.00105
3	1.05060	-0.00203	0.00451	0.00009
4	1.05060	-0.00105	0.00009	0.00094

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA159
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1037.8098	1.0430
Scaled Deviance	995	1037.8098	1.0430
Pearson Chi-Square	995	949.4545	0.9542
Scaled Pearson X2	995	949.4545	0.9542
Log Likelihood		467.6311	
Full Log Likelihood		-1933.7604	
AIC (smaller is better)		3877.5208	
AICC (smaller is better)		3877.5811	
BIC (smaller is better)		3902.0596	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008102	-0.000523	0.0000728	-0.000014	-0.000287
Prm2	-0.000523	0.001317	-0.000025	0.0000324	-0.000023
Prm3	0.0000728	-0.000025	0.0005144	-0.000505	-0.000047
Prm4	-0.000014	0.0000324	-0.000505	0.001109	-0.000016
Prm5	-0.000287	-0.000023	-0.000047	-0.000016	0.0003104

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2006	0.0285	1.1448	1.2563	1778.94	<.0001
A	1	-0.0569	0.0363	-0.1280	0.0143	2.46	0.1171
M_cont	1	-0.0511	0.0227	-0.0956	-0.0067	5.08	0.0241
int	1	-0.0426	0.0333	-0.1079	0.0227	1.64	0.2008
C	1	-0.0315	0.0176	-0.0661	0.0030	3.21	0.0733
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06201	-0.18766	0.10379	0.19822
2	1.06201	0.00295	-0.00188	-0.00101
3	1.06201	-0.00188	0.00461	-0.00010
4	1.06201	-0.00101	-0.00010	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA160
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1094.1189	1.0996
Scaled Deviance	995	1094.1189	1.0996
Pearson Chi-Square	995	1015.9901	1.0211
Scaled Pearson X2	995	1015.9901	1.0211
Log Likelihood		463.2682	
Full Log Likelihood		-1957.6440	
AIC (smaller is better)		3925.2880	
AICC (smaller is better)		3925.3484	
BIC (smaller is better)		3949.8268	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.00008194	-0.0000530	0.00000851	-0.0000082	-0.0000296
Prm2	-0.0000530	0.001339	-0.0000034	-0.0000023	-5.008E-8
Prm3	0.00000851	-0.0000034	0.00005387	-0.0000538	-0.0000052
Prm4	-0.0000082	-0.0000023	-0.0000538	0.001249	0.0000488
Prm5	-0.0000296	-5.008E-8	-0.0000052	0.0000488	0.0003031

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1829	0.0286	1.1268	1.2390	1707.56	<.0001
A	1	-0.0292	0.0366	-0.1009	0.0425	0.64	0.4246
M_cont	1	-0.0594	0.0232	-0.1049	-0.0139	6.54	0.0105
int	1	-0.0417	0.0353	-0.1109	0.0276	1.39	0.2384
C	1	-0.0234	0.0174	-0.0575	0.0107	1.81	0.1787
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02266	-0.10263	0.19781	0.10068
2	1.02266	0.00275	-0.00177	-0.00098
3	1.02266	-0.00177	0.00433	0.00000
4	1.02266	-0.00098	0.00000	0.00098

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA161
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1111.0482	1.1166
Scaled Deviance	995	1111.0482	1.1166
Pearson Chi-Square	995	1023.3871	1.0285
Scaled Pearson X2	995	1023.3871	1.0285
Log Likelihood		456.4866	
Full Log Likelihood		-1964.2408	
AIC (smaller is better)		3938.4816	
AICC (smaller is better)		3938.5419	
BIC (smaller is better)		3963.0203	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008656	-0.000571	0.0001235	-0.000079	-0.000310
Prm2	-0.000571	0.001346	-0.000071	-8.885E-6	0.0000263
Prm3	0.0001235	-0.000071	0.0004798	-0.000472	-0.000055
Prm4	-0.000079	-8.885E-6	-0.000472	0.001111	0.0000126
Prm5	-0.000310	0.0000263	-0.000055	0.0000126	0.0002992

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1549	0.0294	1.0972	1.2125	1540.74	<.0001
A	1	-0.0247	0.0367	-0.0966	0.0472	0.45	0.5006
M_cont	1	-0.0447	0.0219	-0.0877	-0.0018	4.17	0.0411
int	1	-0.0380	0.0333	-0.1033	0.0274	1.30	0.2547
C	1	0.0009	0.0173	-0.0330	0.0348	0.00	0.9603
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07527	-0.28063	0.31853	0.18710
2	1.07527	0.00307	-0.00201	-0.00107
3	1.07527	-0.00201	0.00477	0.00004
4	1.07527	-0.00107	0.00004	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA162
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1097.2923	1.1028
Scaled Deviance	995	1097.2923	1.1028
Pearson Chi-Square	995	1019.4803	1.0246
Scaled Pearson X2	995	1019.4803	1.0246
Log Likelihood		424.8614	
Full Log Likelihood		-1953.8663	
AIC (smaller is better)		3917.7325	
AICC (smaller is better)		3917.7929	
BIC (smaller is better)		3942.2713	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008815	-0.000589	0.0000354	0.0000180	-0.000324
Prm2	-0.000589	0.001342	0.0000181	-0.000097	0.0000382
Prm3	0.0000354	0.0000181	0.0005346	-0.000525	-0.000059
Prm4	0.0000180	-0.000097	-0.000525	0.001166	7.05E-6
Prm5	-0.000324	0.0000382	-0.000059	7.05E-6	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	1.2147	0.0297	1.1565 1.2729	1673.85	<.0001	
A	1	-0.0693	0.0366	-0.1411 0.0025	3.58	0.0585	
M_cont	1	-0.0292	0.0231	-0.0745 0.0162	1.59	0.2073	
int	1	-0.0351	0.0342	-0.1020 0.0318	1.06	0.3042	
C	1	-0.0461	0.0178	-0.0811 -0.0112	6.71	0.0096	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04371	-0.12486	0.13365	0.19571
2	1.04371	0.00315	-0.00204	-0.00113
3	1.04371	-0.00204	0.00446	0.00012
4	1.04371	-0.00113	0.00012	0.00104

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA163
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1052.9519	1.0582
Scaled Deviance	995	1052.9519	1.0582
Pearson Chi-Square	995	982.8310	0.9878
Scaled Pearson X2	995	982.8310	0.9878
Log Likelihood		413.1694	
Full Log Likelihood		-1933.6185	
AIC (smaller is better)		3877.2369	
AICC (smaller is better)		3877.2973	
BIC (smaller is better)		3901.7757	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008287	-0.000535	0.0000393	-0.000020	-0.000295
Prm2	-0.000535	0.001340	-3.78E-6	0.0000147	-0.000011
Prm3	0.0000393	-3.78E-6	0.0005031	-0.000501	-0.000036
Prm4	-0.000020	0.0000147	-0.000501	0.001156	0.0000151
Prm5	-0.000295	-0.000011	-0.000036	0.0000151	0.0003079

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1482	0.0288	1.0918	1.2046	1590.83	<.0001
A	1	0.0249	0.0366	-0.0469	0.0966	0.46	0.4966
M_cont	1	-0.0232	0.0224	-0.0671	0.0208	1.07	0.3020
int	1	-0.1057	0.0340	-0.1723	-0.0391	9.67	0.0019
C	1	-0.0264	0.0175	-0.0608	0.0080	2.27	0.1319
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06256	-0.084328	0.11869	0.10397
2	1.06256	0.002938	-0.00185	-0.00105
3	1.06256	-0.001854	0.00469	-0.00004
4	1.06256	-0.001054	-0.00004	0.00106

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA164
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1026.8498	1.0320
Scaled Deviance	995	1026.8498	1.0320
Pearson Chi-Square	995	931.9316	0.9366
Scaled Pearson X2	995	931.9316	0.9366
Log Likelihood		510.4713	
Full Log Likelihood		-1936.2648	
AIC (smaller is better)		3882.5295	
AICC (smaller is better)		3882.5899	
BIC (smaller is better)		3907.0683	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008045	-0.000509	0.0000483	-0.000020	-0.000280
Prm2	-0.000509	0.001289	-9.178E-6	-4.492E-6	-0.000059
Prm3	0.0000483	-9.178E-6	0.0005549	-0.000551	-0.000037
Prm4	-0.000020	-4.492E-6	-0.000551	0.001167	4.3881E-6
Prm5	-0.000280	-0.000059	-0.000037	4.3881E-6	0.0003213

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1871	0.0284	1.1315	1.2427	1751.62	<.0001
A	1	-0.0006	0.0359	-0.0709	0.0698	0.00	0.9877
M_cont	1	-0.0281	0.0236	-0.0743	0.0181	1.42	0.2327
int	1	-0.0772	0.0342	-0.1442	-0.0102	5.11	0.0238
C	1	-0.0266	0.0179	-0.0618	0.0085	2.21	0.1375
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03729	-0.10990	0.13103	0.12529
2	1.03729	0.00281	-0.00174	-0.00098
3	1.03729	-0.00174	0.00440	-0.00021
4	1.03729	-0.00098	-0.00021	0.00108

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA165
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1136.4472	1.1422
Scaled Deviance	995	1136.4472	1.1422
Pearson Chi-Square	995	1042.3392	1.0476
Scaled Pearson X2	995	1042.3392	1.0476
Log Likelihood		447.7882	
Full Log Likelihood		-1968.6223	
AIC (smaller is better)		3947.2446	
AICC (smaller is better)		3947.3050	
BIC (smaller is better)		3971.7834	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008257	-0.000538	0.0000829	-0.000061	-0.000294
Prm2	-0.000538	0.001338	-0.000034	0.0000487	2.2043E-6
Prm3	0.0000829	-0.000034	0.0005275	-0.000524	-0.000049
Prm4	-0.000061	0.0000487	-0.000524	0.001248	0.0000273
Prm5	-0.000294	2.2043E-6	-0.000049	0.0000273	0.0002987

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1871	0.0287	1.1308 1.2434	1706.63	<.0001	
A	1	-0.0035	0.0366	-0.0752 0.0682	0.01	0.9230	
M_cont	1	-0.0335	0.0230	-0.0786 0.0115	2.13	0.1443	
int	1	-0.0913	0.0353	-0.1605 -0.0220	6.68	0.0098	
C	1	-0.0457	0.0173	-0.0795 -0.0118	6.98	0.0083	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02649	-0.16029	0.14680	0.13275
2	1.02649	0.00279	-0.00176	-0.00099
3	1.02649	-0.00176	0.00438	-0.00000
4	1.02649	-0.00099	-0.00000	0.00096

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA166
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1137.3182	1.1430
Scaled Deviance	995	1137.3182	1.1430
Pearson Chi-Square	995	1054.5947	1.0599
Scaled Pearson X2	995	1054.5947	1.0599
Log Likelihood		365.0747	
Full Log Likelihood		-1954.2873	
AIC (smaller is better)		3918.5746	
AICC (smaller is better)		3918.6350	
BIC (smaller is better)		3943.1134	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008057	-0.000529	0.0000956	-0.000067	-0.000279
Prm2	-0.000529	0.001383	-0.000046	0.0000285	-0.000020
Prm3	0.0000956	-0.000046	0.0005209	-0.000516	-0.000050
Prm4	-0.000067	0.0000285	-0.000516	0.001130	0.0000187
Prm5	-0.000279	-0.000020	-0.000050	0.0000187	0.0003012

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1904	0.0284	1.1348 1.2461	1758.79	<.0001	
A	1	-0.0715	0.0372	-0.1444 0.0014	3.70	0.0545	
M_cont	1	-0.0397	0.0228	-0.0845 0.0050	3.03	0.0817	
int	1	-0.0865	0.0336	-0.1524 -0.0207	6.63	0.0100	
C	1	-0.0455	0.0174	-0.0795 -0.0115	6.87	0.0087	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07822	-0.19578	0.24255	0.15406
2	1.07822	0.00298	-0.00191	-0.00102
3	1.07822	-0.00191	0.00479	-0.00009
4	1.07822	-0.00102	-0.00009	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA167
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	986.7247	0.9917
Scaled Deviance	995	986.7247	0.9917
Pearson Chi-Square	995	919.8495	0.9245
Scaled Pearson X2	995	919.8495	0.9245
Log Likelihood		374.8647	
Full Log Likelihood		-1901.7333	
AIC (smaller is better)		3813.4666	
AICC (smaller is better)		3813.5269	
BIC (smaller is better)		3838.0054	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008723	-0.000554	0.0001145	-0.000081	-0.000317
Prm2	-0.000554	0.001350	-0.000034	0.0000197	-5.289E-6
Prm3	0.0001145	-0.000034	0.0005631	-0.000555	-0.000081
Prm4	-0.000081	0.0000197	-0.000555	0.001219	0.0000468
Prm5	-0.000317	-5.289E-6	-0.000081	0.0000468	0.0003218

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1780	0.0295	1.1201	1.2358	1590.75	<.0001
A	1	-0.0756	0.0367	-0.1476	-0.0036	4.23	0.0397
M_cont	1	-0.0492	0.0237	-0.0957	-0.0027	4.31	0.0380
int	1	-0.0288	0.0349	-0.0972	0.0397	0.68	0.4101
C	1	-0.0258	0.0179	-0.0610	0.0094	2.07	0.1504
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03309	-0.20393	0.11981	0.19436
2	1.03309	0.00292	-0.00186	-0.00102
3	1.03309	-0.00186	0.00435	-0.00003
4	1.03309	-0.00102	-0.00003	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA168
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1106.2589	1.1118
Scaled Deviance	995	1106.2589	1.1118
Pearson Chi-Square	995	1026.3157	1.0315
Scaled Pearson X2	995	1026.3157	1.0315
Log Likelihood		376.9880	
Full Log Likelihood		-1950.0545	
AIC (smaller is better)		3910.1091	
AICC (smaller is better)		3910.1694	
BIC (smaller is better)		3934.6479	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008818	-0.000555	0.0000668	-0.000020	-0.000323
Prm2	-0.000555	0.001359	8.1885E-6	-0.000033	8.5503E-6
Prm3	0.0000668	8.1885E-6	0.0005377	-0.000527	-0.000074
Prm4	-0.000020	-0.000033	-0.000527	0.001160	0.0000286
Prm5	-0.000323	8.5503E-6	-0.000074	0.0000286	0.0003112

## The GENMOD 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	0.0297	1.0951	1.2115	1508.28	<.0001
A	1	-0.0456	0.0369	-0.1178	0.0266	1.53	0.2161
M_cont	1	-0.0220	0.0232	-0.0675	0.0234	0.90	0.3425
int	1	-0.0727	0.0341	-0.1395	-0.0059	4.56	0.0328
C	1	-0.0099	0.0176	-0.0445	0.0247	0.32	0.5738
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04734	-0.17229	0.11757	0.20502
2	1.04734	0.00300	-0.00189	-0.00106
3	1.04734	-0.00189	0.00452	0.00002
4	1.04734	-0.000106	0.00002	0.00100

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA169
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1043.0499	1.0483
Scaled Deviance	995	1043.0499	1.0483
Pearson Chi-Square	995	957.4694	0.9623
Scaled Pearson X2	995	957.4694	0.9623
Log Likelihood		419.8924	
Full Log Likelihood		-1928.1755	
AIC (smaller is better)		3866.3511	
AICC (smaller is better)		3866.4114	
BIC (smaller is better)		3890.8898	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009097	-0.000584	0.0000664	-9.127E-6	-0.000323
Prm2	-0.000584	0.001330	-8.145E-6	-0.000084	0.0000173
Prm3	0.0000664	-8.145E-6	0.0005137	-0.000503	-0.000058
Prm4	-9.127E-6	-0.000084	-0.000503	0.001163	4.0253E-6
Prm5	-0.000323	0.0000173	-0.000058	4.0253E-6	0.0003037

## The GENMOD 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	0.0302	1.0862	1.2044	1442.01	<.0001
A	1	0.0101	0.0365	-0.0614	0.0816	0.08	0.7815
M_cont	1	-0.0863	0.0227	-0.1307	-0.0418	14.49	0.0001
int	1	0.0001	0.0341	-0.0668	0.0669	0.00	0.9980
C	1	-0.0092	0.0174	-0.0434	0.0250	0.28	0.5979
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04300	-0.12392	0.15166	0.19536
2	1.04300	0.00308	-0.00194	-0.00107
3	1.04300	-0.00194	0.00444	0.00003
4	1.04300	-0.00107	0.00003	0.00098

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA170
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1060.1815	1.0655
Scaled Deviance	995	1060.1815	1.0655
Pearson Chi-Square	995	996.3275	1.0013
Scaled Pearson X2	995	996.3275	1.0013
Log Likelihood		421.5460	
Full Log Likelihood		-1941.6864	
AIC (smaller is better)		3893.3727	
AICC (smaller is better)		3893.4331	
BIC (smaller is better)		3917.9115	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008274	-0.000533	0.0000320	-3.647E-6	-0.000287
Prm2	-0.000533	0.001342	8.2405E-6	-0.000095	-0.000016
Prm3	0.0000320	8.2405E-6	0.0005503	-0.000546	-0.000039
Prm4	-3.647E-6	-0.000095	-0.000546	0.001161	0.0000101
Prm5	-0.000287	-0.000016	-0.000039	0.0000101	0.0002951

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1805	0.0288	1.1242 1.2369	1684.33	<.0001	
A	1	-0.0493	0.0366	-0.1211 0.0225	1.81	0.1782	
M_cont	1	0.0144	0.0235	-0.0316 0.0603	0.37	0.5405	
int	1	-0.0987	0.0341	-0.1655 -0.0320	8.40	0.0038	
C	1	-0.0195	0.0172	-0.0532 0.0142	1.29	0.2559	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05288	-0.11989	0.24448	0.11975
2	1.05288	0.00294	-0.00187	-0.00101
3	1.05288	-0.00187	0.00453	-0.00007
4	1.05288	-0.00101	-0.00007	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA171
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1102.8306	1.1084
Scaled Deviance	995	1102.8306	1.1084
Pearson Chi-Square	995	1020.9974	1.0261
Scaled Pearson X2	995	1020.9974	1.0261
Log Likelihood		514.3940	
Full Log Likelihood		-1968.9488	
AIC (smaller is better)		3947.8976	
AICC (smaller is better)		3947.9580	
BIC (smaller is better)		3972.4364	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008853	-0.000560	0.0000710	-0.000041	-0.000321
Prm2	-0.000560	0.001280	-0.000040	-8.185E-6	-9.029E-6
Prm3	0.0000710	-0.000040	0.0005583	-0.000555	-0.000030
Prm4	-0.000041	-8.185E-6	-0.000555	0.001156	-3.988E-7
Prm5	-0.000321	-9.029E-6	-0.000030	-3.988E-7	0.0003261

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.2171	0.0298	1.1588 1.2754	1673.10	<.0001	
A	1	-0.0143	0.0358	-0.0844 0.0558	0.16	0.6889	
M_cont	1	-0.0298	0.0236	-0.0761 0.0165	1.59	0.2068	
int	1	-0.0586	0.0340	-0.1253 0.0080	2.97	0.0846	
C	1	-0.0472	0.0181	-0.0826 -0.0118	6.84	0.0089	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04107	-0.15546	0.22531	0.11325
2	1.04107	0.00315	-0.00193	-0.00114
3	1.04107	-0.00193	0.00438	-0.00005
4	1.04107	-0.00114	-0.00005	0.00111

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA172
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1044.8012	1.0501
Scaled Deviance	995	1044.8012	1.0501
Pearson Chi-Square	995	963.1466	0.9680
Scaled Pearson X2	995	963.1466	0.9680
Log Likelihood		446.6974	
Full Log Likelihood		-1937.1054	
AIC (smaller is better)		3884.2108	
AICC (smaller is better)		3884.2712	
BIC (smaller is better)		3908.7496	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008722	-0.000500	0.0000217	-5.742E-6	-0.000353
Prm2	-0.000500	0.001352	0.0000323	-0.000052	-0.000024
Prm3	0.0000217	0.0000323	0.0005115	-0.000509	-0.000051
Prm4	-5.742E-6	-0.000052	-0.000509	0.001201	0.0000351
Prm5	-0.000353	-0.000024	-0.000051	0.0000351	0.0003579

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1648	0.0295	1.1070	1.2227	1555.74	<.0001
A	1	-0.0152	0.0368	-0.0872	0.0569	0.17	0.6801
M_cont	1	-0.0060	0.0226	-0.0503	0.0384	0.07	0.7924
int	1	-0.0994	0.0347	-0.1673	-0.0315	8.23	0.0041
C	1	-0.0144	0.0189	-0.0515	0.0226	0.58	0.4453
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04138	-0.057191	0.082620	0.12151
2	1.04138	0.003011	-0.001713	-0.00121
3	1.04138	-0.001713	0.004551	-0.00007
4	1.04138	-0.001212	-0.000073	0.00120

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA173
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1083.3089	1.0888
Scaled Deviance	995	1083.3089	1.0888
Pearson Chi-Square	995	973.0689	0.9780
Scaled Pearson X2	995	973.0689	0.9780
Log Likelihood		489.7266	
Full Log Likelihood		-1949.4148	
AIC (smaller is better)		3908.8295	
AICC (smaller is better)		3908.8899	
BIC (smaller is better)		3933.3683	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008955	-0.000567	0.0000874	-0.000031	-0.000319
Prm2	-0.000567	0.001295	-0.000041	0.0000644	6.497E-6
Prm3	0.0000874	-0.000041	0.0005194	-0.000511	-0.000045
Prm4	-0.000031	0.0000644	-0.000511	0.001148	-9.25E-6
Prm5	-0.000319	6.497E-6	-0.000045	-9.25E-6	0.0003034

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1828	0.0299	1.1241	1.2414	1562.18	<.0001
A	1	-0.0475	0.0360	-0.1181	0.0230	1.74	0.1865
M_cont	1	-0.0679	0.0228	-0.1126	-0.0232	8.87	0.0029
int	1	-0.0498	0.0339	-0.1162	0.0166	2.16	0.1417
C	1	-0.0117	0.0174	-0.0459	0.0224	0.45	0.5002
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04385	-0.18681	0.10426	0.17265
2	1.04385	0.00311	-0.00197	-0.00108
3	1.04385	-0.00197	0.00441	0.00001
4	1.04385	-0.00108	0.00001	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA174
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1030.7185	1.0359
Scaled Deviance	995	1030.7185	1.0359
Pearson Chi-Square	995	955.6663	0.9605
Scaled Pearson X2	995	955.6663	0.9605
Log Likelihood		429.3094	
Full Log Likelihood		-1928.2230	
AIC (smaller is better)		3866.4461	
AICC (smaller is better)		3866.5064	
BIC (smaller is better)		3890.9848	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009050	-0.000580	0.0000613	-0.000027	-0.000337
Prm2	-0.000580	0.001329	-1.048E-6	0.0000374	0.0000285
Prm3	0.0000613	-1.048E-6	0.0005758	-0.000569	-0.000062
Prm4	-0.000027	0.0000374	-0.000569	0.001236	0.0000297
Prm5	-0.000337	0.0000285	-0.000062	0.0000297	0.0003192

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1556	0.0301	1.0966	1.2146	1475.62	<.0001
A	1	-0.0071	0.0365	-0.0785	0.0644	0.04	0.8462
M_cont	1	-0.0033	0.0240	-0.0503	0.0437	0.02	0.8906
int	1	-0.1110	0.0352	-0.1799	-0.0421	9.96	0.0016
C	1	-0.0171	0.0179	-0.0521	0.0179	0.92	0.3378
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01885	-0.15598	0.076350	0.15838
2	1.01885	0.00295	-0.001878	-0.00108
3	1.01885	-0.00188	0.004278	0.00009
4	1.01885	-0.00108	0.000090	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA175
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	994.5794	0.9996
Scaled Deviance	995	994.5794	0.9996
Pearson Chi-Square	995	937.3962	0.9421
Scaled Pearson X2	995	937.3962	0.9421
Log Likelihood		477.6293	
Full Log Likelihood		-1925.0797	
AIC (smaller is better)		3860.1594	
AICC (smaller is better)		3860.2198	
BIC (smaller is better)		3884.6982	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008531	-0.000553	0.0001129	-0.000073	-0.000314
Prm2	-0.000553	0.001323	-0.000036	-0.000013	0.0000187
Prm3	0.0001129	-0.000036	0.0005613	-0.000551	-0.000081
Prm4	-0.000073	-0.000013	-0.000551	0.001097	0.0000414
Prm5	-0.000314	0.0000187	-0.000081	0.0000414	0.0003091

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1917	0.0292	1.1345	1.2490	1664.77	<.0001
A	1	-0.0439	0.0364	-0.1152	0.0274	1.46	0.2276
M_cont	1	-0.0221	0.0237	-0.0686	0.0243	0.87	0.3505
int	1	-0.0571	0.0331	-0.1220	0.0079	2.97	0.0849
C	1	-0.0209	0.0176	-0.0554	0.0136	1.41	0.2347
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06551	-0.25586	0.23769	0.21924
2	1.06551	0.00307	-0.00198	-0.00108
3	1.06551	-0.00198	0.00467	0.00003
4	1.06551	-0.00108	0.00003	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA176
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1073.7865	1.0792
Scaled Deviance	995	1073.7865	1.0792
Pearson Chi-Square	995	997.4099	1.0024
Scaled Pearson X2	995	997.4099	1.0024
Log Likelihood		323.3062	
Full Log Likelihood		-1924.8134	
AIC (smaller is better)		3859.6269	
AICC (smaller is better)		3859.6872	
BIC (smaller is better)		3884.1657	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009269	-0.000594	0.0001041	-0.000059	-0.000353
Prm2	-0.000594	0.001370	-0.000025	0.0000292	0.0000244
Prm3	0.0001041	-0.000025	0.0005721	-0.000561	-0.000084
Prm4	-0.000059	0.0000292	-0.000561	0.001231	0.0000394
Prm5	-0.000353	0.0000244	-0.000084	0.0000394	0.0003486

## The GENMOD 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	0.0304	1.0983	1.2176	1446.60	<.0001
A	1	-0.0560	0.0370	-0.1285	0.0166	2.29	0.1304
M_cont	1	-0.0298	0.0239	-0.0767	0.0171	1.55	0.2125
int	1	-0.0909	0.0351	-0.1596	-0.0221	6.71	0.0096
C	1	-0.0291	0.0187	-0.0657	0.0075	2.43	0.1191
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03114	-0.21696	0.14389	0.21215
2	1.03114	0.00303	-0.00193	-0.00111
3	1.03114	-0.00193	0.00434	0.00006
4	1.03114	-0.00111	0.00006	0.00107

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA177
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	973.9469	0.9788
Scaled Deviance	995	973.9469	0.9788
Pearson Chi-Square	995	895.6071	0.9001
Scaled Pearson X2	995	895.6071	0.9001
Log Likelihood		430.7729	
Full Log Likelihood		-1905.3534	
AIC (smaller is better)		3820.7068	
AICC (smaller is better)		3820.7671	
BIC (smaller is better)		3845.2456	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009096	-0.000588	0.0001107	-0.000092	-0.000340
Prm2	-0.000588	0.001315	-0.000030	0.0000288	0.0000233
Prm3	0.0001107	-0.000030	0.0005070	-0.000502	-0.000085
Prm4	-0.000092	0.0000288	-0.000502	0.001123	0.0000668
Prm5	-0.000340	0.0000233	-0.000085	0.0000668	0.0003346

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1849	0.0302	1.1258 1.2440	1543.66	<.0001	
A	1	-0.0434	0.0363	-0.1145 0.0276	1.43	0.2311	
M_cont	1	-0.0006	0.0225	-0.0447 0.0435	0.00	0.9782	
int	1	-0.1025	0.0335	-0.1682 -0.0368	9.35	0.0022	
C	1	-0.0285	0.0183	-0.0643 0.0074	2.42	0.1197	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06832	-0.25177	0.17618	0.20491
2	1.06832	0.00326	-0.00210	-0.00118
3	1.06832	-0.00210	0.00463	0.00006
4	1.06832	-0.00118	0.00006	0.00114

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA178
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	976.9903	0.9819
Scaled Deviance	995	976.9903	0.9819
Pearson Chi-Square	995	901.1714	0.9057
Scaled Pearson X2	995	901.1714	0.9057
Log Likelihood		557.8401	
Full Log Likelihood		-1922.8253	
AIC (smaller is better)		3855.6507	
AICC (smaller is better)		3855.7110	
BIC (smaller is better)		3880.1894	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008844	-0.000562	0.0001102	-0.000100	-0.000333
Prm2	-0.000562	0.001291	-0.000054	0.0000768	0.0000255
Prm3	0.0001102	-0.000054	0.0004963	-0.000495	-0.000058
Prm4	-0.000100	0.0000768	-0.000495	0.001177	0.0000485
Prm5	-0.000333	0.0000255	-0.000058	0.0000485	0.0003173

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2417	0.0297	1.1834	1.3000	1743.18	<.0001
A	1	-0.0871	0.0359	-0.1575	-0.0167	5.87	0.0154
M_cont	1	-0.0401	0.0223	-0.0838	0.0036	3.24	0.0720
int	1	-0.0914	0.0343	-0.1586	-0.0241	7.10	0.0077
C	1	-0.0362	0.0178	-0.0711	-0.0013	4.12	0.0423
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04192	-0.20175	0.17319	0.14033
2	1.04192	0.00318	-0.00201	-0.00116
3	1.04192	-0.00201	0.00442	0.00008
4	1.04192	-0.00116	0.00008	0.00108

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA179
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1192.6687	1.1987
Scaled Deviance	995	1192.6687	1.1987
Pearson Chi-Square	995	1096.7958	1.1023
Scaled Pearson X2	995	1096.7958	1.1023
Log Likelihood		426.3914	
Full Log Likelihood		-1986.5426	
AIC (smaller is better)		3983.0851	
AICC (smaller is better)		3983.1455	
BIC (smaller is better)		4007.6239	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0007912	-0.000522	0.0000921	-0.000043	-0.000288
Prm2	-0.000522	0.001370	-0.000039	0.0000925	-6.958E-6
Prm3	0.0000921	-0.000039	0.0005552	-0.000546	-0.000057
Prm4	-0.000043	0.0000925	-0.000546	0.001229	3.1122E-6
Prm5	-0.000288	-6.958E-6	-0.000057	3.1122E-6	0.0003146

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2160	0.0281	1.1609	1.2711	1868.80	<.0001
A	1	-0.1386	0.0370	-0.2112	-0.0661	14.03	0.0002
M_cont	1	0.0062	0.0236	-0.0399	0.0524	0.07	0.7912
int	1	-0.1313	0.0351	-0.2000	-0.0626	14.04	0.0002
C	1	-0.0311	0.0177	-0.0659	0.0036	3.08	0.0793
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02359	-0.25168	0.15034	0.18959
2	1.02359	0.00267	-0.00176	-0.00092
3	1.02359	-0.00176	0.00431	-0.00005
4	1.02359	-0.00092	-0.00005	0.00099

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA180
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	989.5746	0.9945
Scaled Deviance	995	989.5746	0.9945
Pearson Chi-Square	995	910.0748	0.9146
Scaled Pearson X2	995	910.0748	0.9146
Log Likelihood		375.0950	
Full Log Likelihood		-1902.7735	
AIC (smaller is better)		3815.5469	
AICC (smaller is better)		3815.6073	
BIC (smaller is better)		3840.0857	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009156	-0.000623	0.0000942	-0.000049	-0.000321
Prm2	-0.000623	0.001328	-0.000048	-8.108E-7	0.0000270
Prm3	0.0000942	-0.000048	0.0005929	-0.000586	-0.000051
Prm4	-0.000049	-8.108E-7	-0.000586	0.001273	5.6125E-6
Prm5	-0.000321	0.0000270	-0.000051	5.6125E-6	0.0003230

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1429	0.0303	1.0836	1.2022	1426.62	<.0001
A	1	0.0329	0.0364	-0.0385	0.1043	0.81	0.3668
M_cont	1	-0.0238	0.0244	-0.0716	0.0239	0.96	0.3279
int	1	-0.0743	0.0357	-0.1442	-0.0043	4.33	0.0374
C	1	-0.0349	0.0180	-0.0701	0.0004	3.76	0.0525
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00785	-0.20215	0.22848	0.15321
2	1.00785	0.00285	-0.00188	-0.00100
3	1.00785	-0.00188	0.00412	0.00006
4	1.00785	-0.00100	0.00006	0.00098

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA181
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1007.1219	1.0122
Scaled Deviance	995	1007.1219	1.0122
Pearson Chi-Square	995	931.5157	0.9362
Scaled Pearson X2	995	931.5157	0.9362
Log Likelihood		421.5829	
Full Log Likelihood		-1908.0399	
AIC (smaller is better)		3826.0797	
AICC (smaller is better)		3826.1401	
BIC (smaller is better)		3850.6185	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008565	-0.000549	0.0001007	-0.000068	-0.000317
Prm2	-0.000549	0.001342	-0.000049	0.0000585	-0.000012
Prm3	0.0001007	-0.000049	0.0005010	-0.000495	-0.000053
Prm4	-0.000068	0.0000585	-0.000495	0.001089	0.0000183
Prm5	-0.000317	-0.000012	-0.000053	0.0000183	0.0003391

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1976	0.0293	1.1403	1.2550	1674.60	<.0001
A	1	-0.0275	0.0366	-0.0993	0.0443	0.56	0.4531
M_cont	1	-0.0676	0.0224	-0.1115	-0.0238	9.13	0.0025
int	1	-0.0861	0.0330	-0.1508	-0.0214	6.81	0.0091
C	1	-0.0579	0.0184	-0.0940	-0.0218	9.89	0.0017
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.09193	-0.19423	0.20234	0.18027
2	1.09193	0.00326	-0.00202	-0.00119
3	1.09193	-0.00202	0.00488	-0.00006
4	1.09193	-0.00119	-0.00006	0.00120

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA182
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1084.5501	1.0900
Scaled Deviance	995	1084.5501	1.0900
Pearson Chi-Square	995	1009.3049	1.0144
Scaled Pearson X2	995	1009.3049	1.0144
Log Likelihood		369.5029	
Full Log Likelihood		-1940.2149	
AIC (smaller is better)		3890.4298	
AICC (smaller is better)		3890.4902	
BIC (smaller is better)		3914.9686	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008524	-0.000544	0.0000555	-0.000062	-0.000296
Prm2	-0.000544	0.001356	-0.000017	0.0000417	-9.93E-6
Prm3	0.0000555	-0.000017	0.0004794	-0.000480	-0.000037
Prm4	-0.000062	0.0000417	-0.000480	0.001181	0.0000428
Prm5	-0.000296	-9.93E-6	-0.000037	0.0000428	0.0002936

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1747	0.0292	1.1174 1.2319	1618.79	<.0001	
A	1	-0.0518	0.0368	-0.1240 0.0204	1.98	0.1596	
M_cont	1	-0.0208	0.0219	-0.0637 0.0221	0.90	0.3418	
int	1	-0.0846	0.0344	-0.1520 -0.0173	6.06	0.0138	
C	1	-0.0339	0.0171	-0.0675 -0.0004	3.92	0.0476	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.07565	-0.077793	0.092108	0.065305
2	1.07565	0.003131	-0.001967	-0.001081
3	1.07565	-0.001967	0.004745	-0.000033
4	1.07565	-0.001081	-0.000033	0.001034

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA183
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1030.3931	1.0356
Scaled Deviance	995	1030.3931	1.0356
Pearson Chi-Square	995	941.2009	0.9459
Scaled Pearson X2	995	941.2009	0.9459
Log Likelihood		526.9027	
Full Log Likelihood		-1938.6339	
AIC (smaller is better)		3887.2679	
AICC (smaller is better)		3887.3282	
BIC (smaller is better)		3911.8066	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008610	-0.000544	0.0000926	-0.000073	-0.000318
Prm2	-0.000544	0.001277	-0.000027	-3.51E-6	-0.000019
Prm3	0.0000926	-0.000027	0.0005377	-0.000534	-0.000066
Prm4	-0.000073	-3.51E-6	-0.000534	0.001173	0.0000446
Prm5	-0.000318	-0.000019	-0.000066	0.0000446	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	1.2270	0.0293	1.1695	1.2846	1748.77	<.0001
A	1	-0.0182	0.0357	-0.0882	0.0518	0.26	0.6105
M_cont	1	-0.0262	0.0232	-0.0717	0.0192	1.28	0.2578
int	1	-0.0912	0.0343	-0.1584	-0.0241	7.09	0.0077
C	1	-0.0543	0.0184	-0.0904	-0.0183	8.72	0.0032
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03560	-0.17840	0.19163	0.16168
2	1.03560	0.00305	-0.00187	-0.00112
3	1.03560	-0.00187	0.00434	-0.00008
4	1.03560	-0.00112	-0.00008	0.00113

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA184
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1144.4957	1.1502
Scaled Deviance	995	1144.4957	1.1502
Pearson Chi-Square	995	1069.0815	1.0745
Scaled Pearson X2	995	1069.0815	1.0745
Log Likelihood		465.9263	
Full Log Likelihood		-1981.9645	
AIC (smaller is better)		3973.9289	
AICC (smaller is better)		3973.9893	
BIC (smaller is better)		3998.4677	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009488	-0.000604	0.0000568	-0.000027	-0.000360
Prm2	-0.000604	0.001315	-6.886E-6	0.0000172	0.0000519
Prm3	0.0000568	-6.886E-6	0.0004768	-0.000473	-0.000052
Prm4	-0.000027	0.0000172	-0.000473	0.001165	0.0000258
Prm5	-0.000360	0.0000519	-0.000052	0.0000258	0.0003218

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1497	0.0308	1.0894	1.2101	1393.24	<.0001
A	1	0.0031	0.0363	-0.0680	0.0742	0.01	0.9320
M_cont	1	-0.0389	0.0218	-0.0817	0.0039	3.17	0.0750
int	1	-0.0293	0.0341	-0.0962	0.0376	0.74	0.3900
C	1	-0.0033	0.0179	-0.0385	0.0318	0.03	0.8524
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05399	-0.11401	0.028771	0.14419
2	1.05399	0.00332	-0.002112	-0.00125
3	1.05399	-0.00211	0.004600	0.00018
4	1.05399	-0.00125	0.000182	0.00110

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA185
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1030.6478	1.0358
Scaled Deviance	995	1030.6478	1.0358
Pearson Chi-Square	995	972.5981	0.9775
Scaled Pearson X2	995	972.5981	0.9775
Log Likelihood		433.8085	
Full Log Likelihood		-1931.9261	
AIC (smaller is better)		3873.8522	
AICC (smaller is better)		3873.9126	
BIC (smaller is better)		3898.3910	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008311	-0.000497	0.0000524	-0.000018	-0.000313
Prm2	-0.000497	0.001345	0.0000101	-0.000022	-0.000037
Prm3	0.0000524	0.0000101	0.0005616	-0.000555	-0.000059
Prm4	-0.000018	-0.000022	-0.000555	0.001248	0.0000226
Prm5	-0.000313	-0.000037	-0.000059	0.0000226	0.0003277

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1880	0.0288	1.1315	1.2445	1698.30	<.0001
A	1	-0.0137	0.0367	-0.0855	0.0582	0.14	0.7093
M_cont	1	-0.0179	0.0237	-0.0643	0.0286	0.57	0.4510
int	1	-0.0587	0.0353	-0.1279	0.0105	2.76	0.0966
C	1	-0.0426	0.0181	-0.0780	-0.0071	5.53	0.0187
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.01370	-0.12697	0.067780	0.15777
2	1.01370	0.00275	-0.001597	-0.00103
3	1.01370	-0.00160	0.004286	-0.00012
4	1.01370	-0.00103	-0.000124	0.00103

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA186
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1041.3495	1.0466
Scaled Deviance	995	1041.3495	1.0466
Pearson Chi-Square	995	952.0143	0.9568
Scaled Pearson X2	995	952.0143	0.9568
Log Likelihood		509.1784	
Full Log Likelihood		-1942.6264	
AIC (smaller is better)		3895.2528	
AICC (smaller is better)		3895.3131	
BIC (smaller is better)		3919.7915	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008721	-0.000561	0.0000967	-0.000076	-0.000321
Prm2	-0.000561	0.001298	-4.692E-6	-0.000055	0.0000191
Prm3	0.0000967	-4.692E-6	0.0005646	-0.000558	-0.000095
Prm4	-0.000076	-0.000055	-0.000558	0.001281	0.0000745
Prm5	-0.000321	0.0000191	-0.000095	0.0000745	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	1.1965	0.0295	1.1386	1.2544	1641.73	<.0001
A	1	-0.0219	0.0360	-0.0925	0.0488	0.37	0.5439
M_cont	1	-0.0597	0.0238	-0.1062	-0.0131	6.30	0.0120
int	1	-0.0319	0.0358	-0.1021	0.0382	0.80	0.3722
C	1	-0.0239	0.0177	-0.0585	0.0107	1.83	0.1762
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	0.99564	-0.14085	0.12158	0.19584
2	0.99564	0.00280	-0.00180	-0.00100
3	0.99564	-0.00180	0.00406	0.00007
4	0.99564	-0.00100	0.00007	0.00093

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA187
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1032.8670	1.0381
Scaled Deviance	995	1032.8670	1.0381
Pearson Chi-Square	995	957.9210	0.9627
Scaled Pearson X2	995	957.9210	0.9627
Log Likelihood		523.4305	
Full Log Likelihood		-1946.1224	
AIC (smaller is better)		3902.2448	
AICC (smaller is better)		3902.3051	
BIC (smaller is better)		3926.7835	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008325	-0.000538	0.0000672	-0.000028	-0.000305
Prm2	-0.000538	0.001295	-0.000011	-0.000058	1.0237E-6
Prm3	0.0000672	-0.000011	0.0005575	-0.000550	-0.000059
Prm4	-0.000028	-0.000058	-0.000550	0.001162	0.0000179
Prm5	-0.000305	1.0237E-6	-0.000059	0.0000179	0.0003139

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1911	0.0289	1.1346	1.2477	1704.31	<.0001
A	1	0.0064	0.0360	-0.0641	0.0770	0.03	0.8580
M_cont	1	-0.0148	0.0236	-0.0611	0.0315	0.39	0.5309
int	1	-0.0549	0.0341	-0.1217	0.0119	2.59	0.1075
C	1	-0.0277	0.0177	-0.0624	0.0070	2.44	0.1180
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.03098	-0.17174	0.19821	0.17216
2	1.03098	0.00286	-0.00181	-0.00104
3	1.03098	-0.00181	0.00437	-0.00002
4	1.03098	-0.00104	-0.00002	0.00103

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA188
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	990.2981	0.9953
Scaled Deviance	995	990.2981	0.9953
Pearson Chi-Square	995	931.5173	0.9362
Scaled Pearson X2	995	931.5173	0.9362
Log Likelihood		486.9424	
Full Log Likelihood		-1922.7098	
AIC (smaller is better)		3855.4196	
AICC (smaller is better)		3855.4799	
BIC (smaller is better)		3879.9584	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008030	-0.000541	0.0000280	0.0000263	-0.000283
Prm2	-0.000541	0.001315	0.0000225	8.5686E-6	5.9319E-6
Prm3	0.0000280	0.0000225	0.0005663	-0.000556	-0.000054
Prm4	0.0000263	8.5686E-6	-0.000556	0.001267	-2.84E-6
Prm5	-0.000283	5.9319E-6	-0.000054	-2.84E-6	0.0002982

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1881	0.0283	1.1326	1.2436	1757.83	<.0001
A	1	-0.0323	0.0363	-0.1034	0.0388	0.79	0.3732
M_cont	1	-0.0333	0.0238	-0.0800	0.0133	1.96	0.1614
int	1	-0.0924	0.0356	-0.1621	-0.0226	6.73	0.0095
C	1	-0.0236	0.0173	-0.0574	0.0102	1.87	0.1717
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	0.99690	-0.091827	0.022506	0.17251
2	0.99690	0.002585	-0.001715	-0.00090
3	0.99690	-0.001715	0.004094	0.00002
4	0.99690	-0.000896	0.000017	0.00091

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA189
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1017.8224	1.0229
Scaled Deviance	995	1017.8224	1.0229
Pearson Chi-Square	995	951.0906	0.9559
Scaled Pearson X2	995	951.0906	0.9559
Log Likelihood		560.3273	
Full Log Likelihood		-1942.9030	
AIC (smaller is better)		3895.8060	
AICC (smaller is better)		3895.8664	
BIC (smaller is better)		3920.3448	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008638	-0.000593	-2.542E-6	0.0000366	-0.000305
Prm2	-0.000593	0.001282	0.0000416	-0.000080	0.0000427
Prm3	-2.542E-6	0.0000416	0.0005037	-0.000499	-0.000044
Prm4	0.0000366	-0.000080	-0.000499	0.001101	0.0000110
Prm5	-0.000305	0.0000427	-0.000044	0.0000110	0.0002960

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2195	0.0294	1.1619	1.2771	1721.74	<.0001
A	1	0.0245	0.0358	-0.0457	0.0946	0.47	0.4943
M_cont	1	0.0048	0.0224	-0.0392	0.0488	0.05	0.8309
int	1	-0.1245	0.0332	-0.1895	-0.0594	14.08	0.0002
C	1	-0.0543	0.0172	-0.0880	-0.0206	9.97	0.0016
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06721	-0.077306	0.13322	0.16049
2	1.06721	0.003288	-0.00215	-0.00118
3	1.06721	-0.002152	0.00468	0.00015
4	1.06721	-0.001181	0.00015	0.00107

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA190
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1003.0620	1.0081
Scaled Deviance	995	1003.0620	1.0081
Pearson Chi-Square	995	916.9311	0.9215
Scaled Pearson X2	995	916.9311	0.9215
Log Likelihood		439.0803	
Full Log Likelihood		-1918.0408	
AIC (smaller is better)		3846.0815	
AICC (smaller is better)		3846.1419	
BIC (smaller is better)		3870.6203	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008657	-0.000554	0.0001141	-0.000085	-0.000323
Prm2	-0.000554	0.001346	-0.000048	-3.298E-6	0.0000177
Prm3	0.0001141	-0.000048	0.0005398	-0.000534	-0.000068
Prm4	-0.000085	-3.298E-6	-0.000534	0.001293	0.0000399
Prm5	-0.000323	0.0000177	-0.000068	0.0000399	0.0003173

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1687	0.0294	1.1111 1.2264	1577.84	<.0001	
A	1	-0.0525	0.0367	-0.1244 0.0194	2.05	0.1525	
M_cont	1	-0.0248	0.0232	-0.0703 0.0207	1.14	0.2860	
int	1	-0.0759	0.0360	-0.1463 -0.0054	4.45	0.0349	
C	1	-0.0058	0.0178	-0.0407 0.0291	0.11	0.7445	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00448	-0.21969	0.23505	0.15950
2	1.00448	0.00272	-0.00175	-0.00098
3	1.00448	-0.00175	0.00416	0.00003
4	1.00448	-0.00098	0.00003	0.00097

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA191
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	975.2432	0.9801
Scaled Deviance	995	975.2432	0.9801
Pearson Chi-Square	995	931.1635	0.9358
Scaled Pearson X2	995	931.1635	0.9358
Log Likelihood		599.9418	
Full Log Likelihood		-1938.9356	
AIC (smaller is better)		3887.8712	
AICC (smaller is better)		3887.9316	
BIC (smaller is better)		3912.4100	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0007943	-0.000491	0.0000800	-0.000038	-0.000291
Prm2	-0.000491	0.001269	-0.000014	0.0000275	-0.000034
Prm3	0.0000800	-0.000014	0.0005534	-0.000544	-0.000063
Prm4	-0.000038	0.0000275	-0.000544	0.001148	0.0000183
Prm5	-0.000291	-0.000034	-0.000063	0.0000183	0.0003126

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2107	0.0282	1.1555	1.2659	1845.42	<.0001
A	1	-0.0346	0.0356	-0.1044	0.0352	0.94	0.3315
M_cont	1	-0.0186	0.0235	-0.0647	0.0275	0.63	0.4283
int	1	-0.0475	0.0339	-0.1139	0.0189	1.96	0.1610
C	1	-0.0137	0.0177	-0.0484	0.0209	0.60	0.4380
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02336	-0.19345	0.065513	0.18615
2	1.02336	0.00273	-0.001697	-0.00098
3	1.02336	-0.00170	0.004308	-0.00012
4	1.02336	-0.00098	-0.000122	0.00103

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA192
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1050.8060	1.0561
Scaled Deviance	995	1050.8060	1.0561
Pearson Chi-Square	995	979.3663	0.9843
Scaled Pearson X2	995	979.3663	0.9843
Log Likelihood		516.5824	
Full Log Likelihood		-1946.9898	
AIC (smaller is better)		3903.9796	
AICC (smaller is better)		3904.0400	
BIC (smaller is better)		3928.5184	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008923	-0.000545	0.0001180	-0.000078	-0.000336
Prm2	-0.000545	0.001305	-0.000051	0.0000393	7.91E-6
Prm3	0.0001180	-0.000051	0.0005100	-0.000502	-0.000065
Prm4	-0.000078	0.0000393	-0.000502	0.001127	0.0000275
Prm5	-0.000336	7.91E-6	-0.000065	0.0000275	0.0003178

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1929	0.0299	1.1344	1.2515	1594.74	<.0001
A	1	-0.0357	0.0361	-0.1065	0.0351	0.97	0.3235
M_cont	1	-0.0605	0.0226	-0.1047	-0.0162	7.17	0.0074
int	1	-0.0485	0.0336	-0.1143	0.0173	2.08	0.1489
C	1	-0.0181	0.0178	-0.0530	0.0168	1.03	0.3102
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.04676	-0.23052	0.18342	0.18692
2	1.04676	0.00311	-0.00190	-0.00114
3	1.04676	-0.000190	0.00450	0.00001
4	1.04676	-0.000114	0.00001	0.00106

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA193
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1022.8060	1.0279
Scaled Deviance	995	1022.8060	1.0279
Pearson Chi-Square	995	943.1221	0.9479
Scaled Pearson X2	995	943.1221	0.9479
Log Likelihood		425.5989	
Full Log Likelihood		-1922.0390	
AIC (smaller is better)		3854.0780	
AICC (smaller is better)		3854.1384	
BIC (smaller is better)		3878.6168	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008624	-0.000571	0.0000402	0.0000123	-0.000303
Prm2	-0.000571	0.001320	-0.000017	6.7415E-6	9.6713E-6
Prm3	0.0000402	-0.000017	0.0005076	-0.000503	-0.000024
Prm4	0.0000123	6.7415E-6	-0.000503	0.001163	-0.000029
Prm5	-0.000303	9.6713E-6	-0.000024	-0.000029	0.0003039

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1869	0.0294	1.1294	1.2445	1633.51	<.0001
A	1	-0.0521	0.0363	-0.1233	0.0191	2.06	0.1515
M_cont	1	-0.0426	0.0225	-0.0868	0.0015	3.58	0.0586
int	1	-0.0737	0.0341	-0.1406	-0.0069	4.67	0.0306
C	1	-0.0282	0.0174	-0.0624	0.0059	2.62	0.1052
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05548	-0.11809	0.13867	0.13139
2	1.05548	0.00309	-0.00200	-0.00107
3	1.05548	-0.00200	0.00452	0.00001
4	1.05548	-0.00107	0.00001	0.00103

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA194
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1027.1417	1.0323
Scaled Deviance	995	1027.1417	1.0323
Pearson Chi-Square	995	933.3085	0.9380
Scaled Pearson X2	995	933.3085	0.9380
Log Likelihood		463.0190	
Full Log Likelihood		-1926.6450	
AIC (smaller is better)		3863.2900	
AICC (smaller is better)		3863.3503	
BIC (smaller is better)		3887.8288	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008751	-0.000527	0.0001127	-0.000093	-0.000337
Prm2	-0.000527	0.001321	-0.000039	3.1826E-6	-0.000024
Prm3	0.0001127	-0.000039	0.0005820	-0.000578	-0.000072
Prm4	-0.000093	3.1826E-6	-0.000578	0.001266	0.0000515
Prm5	-0.000337	-0.000024	-0.000072	0.0000515	0.0003490

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1426	0.0296	1.0846	1.2006	1491.86	<.0001
A	1	0.0150	0.0363	-0.0562	0.0863	0.17	0.6796
M_cont	1	-0.0915	0.0241	-0.1388	-0.0442	14.39	0.0001
int	1	-0.0359	0.0356	-0.1057	0.0338	1.02	0.3127
C	1	-0.0023	0.0187	-0.0390	0.0343	0.02	0.9005
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.00517	-0.13952	0.17203	0.15612
2	1.00517	0.00274	-0.00165	-0.00103
3	1.00517	-0.00165	0.00416	-0.00008
4	1.00517	-0.00103	-0.00008	0.00107

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA195
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1108.6446	1.1142
Scaled Deviance	995	1108.6446	1.1142
Pearson Chi-Square	995	998.9510	1.0040
Scaled Pearson X2	995	998.9510	1.0040
Log Likelihood		379.3800	
Full Log Likelihood		-1945.9642	
AIC (smaller is better)		3901.9285	
AICC (smaller is better)		3901.9889	
BIC (smaller is better)		3926.4673	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008306	-0.000505	0.0000770	-0.000036	-0.000294
Prm2	-0.000505	0.001370	-4.591E-6	0.0000167	-0.000037
Prm3	0.0000770	-4.591E-6	0.0004958	-0.000487	-0.000065
Prm4	-0.000036	0.0000167	-0.000487	0.001153	0.0000242
Prm5	-0.000294	-0.000037	-0.000065	0.0000242	0.0002992

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1387	0.0288	1.0822	1.1952	1561.03	<.0001
A	1	-0.0069	0.0370	-0.0795	0.0656	0.03	0.8519
M_cont	1	-0.0402	0.0223	-0.0839	0.0034	3.27	0.0707
int	1	-0.0815	0.0339	-0.1480	-0.0150	5.76	0.0164
C	1	-0.0129	0.0173	-0.0468	0.0210	0.55	0.4569
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.06091	-0.16779	0.093674	0.18917
2	1.06091	0.00288	-0.001742	-0.00100
3	1.06091	-0.00174	0.004708	-0.00013
4	1.06091	-0.00100	-0.000134	0.00100

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA196
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	959.4857	0.9643
Scaled Deviance	995	959.4857	0.9643
Pearson Chi-Square	995	889.8090	0.8943
Scaled Pearson X2	995	889.8090	0.8943
Log Likelihood		444.5748	
Full Log Likelihood		-1904.2750	
AIC (smaller is better)		3818.5501	
AICC (smaller is better)		3818.6104	
BIC (smaller is better)		3843.0889	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008747	-0.000580	0.0000633	-0.000019	-0.000316
Prm2	-0.000580	0.001315	5.0725E-6	-0.000075	0.0000191
Prm3	0.0000633	5.0725E-6	0.0005593	-0.000549	-0.000073
Prm4	-0.000019	-0.000075	-0.000549	0.001116	0.0000290
Prm5	-0.000316	0.0000191	-0.000073	0.0000290	0.0003181

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits	Wald Chi-Square	Pr > ChiSq	
Intercept	1	1.1778	0.0296	1.1198 1.2358	1585.86	<.0001	
A	1	-0.0334	0.0363	-0.1045 0.0377	0.85	0.3572	
M_cont	1	-0.0476	0.0237	-0.0940 -0.0012	4.05	0.0442	
int	1	-0.0271	0.0334	-0.0926 0.0383	0.66	0.4166	
C	1	-0.0174	0.0178	-0.0523 0.0176	0.95	0.3303	
Scale	0	1.0000	0.0000	1.0000 1.0000			

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05386	-0.13960	0.15613	0.20498
2	1.05386	0.00310	-0.00203	-0.00109
3	1.05386	-0.00203	0.00451	0.00005
4	1.05386	-0.00109	0.00005	0.00106

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA197
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1033.7105	1.0389
Scaled Deviance	995	1033.7105	1.0389
Pearson Chi-Square	995	917.3187	0.9219
Scaled Pearson X2	995	917.3187	0.9219
Log Likelihood		457.8405	
Full Log Likelihood		-1924.8374	
AIC (smaller is better)		3859.6747	
AICC (smaller is better)		3859.7351	
BIC (smaller is better)		3884.2135	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0009068	-0.000573	0.0001023	-0.000061	-0.000333
Prm2	-0.000573	0.001317	-0.000052	0.0001101	7.7354E-6
Prm3	0.0001023	-0.000052	0.0005149	-0.000509	-0.000050
Prm4	-0.000061	0.0001101	-0.000509	0.001037	0.0000103
Prm5	-0.000333	7.7354E-6	-0.000050	0.0000103	0.0003231

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1602	0.0301	1.1012	1.2192	1484.41	<.0001
A	1	0.0190	0.0363	-0.0521	0.0901	0.27	0.6004
M_cont	1	-0.0279	0.0227	-0.0723	0.0166	1.51	0.2195
int	1	-0.0944	0.0322	-0.1576	-0.0313	8.60	0.0034
C	1	-0.0294	0.0180	-0.0646	0.0059	2.67	0.1023
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.09990	-0.25104	0.13196	0.17809
2	1.09990	0.00341	-0.00211	-0.00125
3	1.09990	-0.00211	0.00495	0.00001
4	1.09990	-0.00125	0.00001	0.00119

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA198
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1004.5764	1.0096
Scaled Deviance	995	1004.5764	1.0096
Pearson Chi-Square	995	938.2400	0.9430
Scaled Pearson X2	995	938.2400	0.9430
Log Likelihood		448.1714	
Full Log Likelihood		-1920.1189	
AIC (smaller is better)		3850.2378	
AICC (smaller is better)		3850.2981	
BIC (smaller is better)		3874.7766	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008349	-0.000549	0.0000702	-0.000021	-0.000310
Prm2	-0.000549	0.001337	-5.721E-6	1.1154E-6	0.0000163
Prm3	0.0000702	-5.721E-6	0.0005267	-0.000516	-0.000070
Prm4	-0.000021	1.1154E-6	-0.000516	0.001141	0.0000198
Prm5	-0.000310	0.0000163	-0.000070	0.0000198	0.0003181

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2093	0.0289	1.1527	1.2659	1751.63	<.0001
A	1	-0.0883	0.0366	-0.1599	-0.0166	5.83	0.0158
M_cont	1	-0.0490	0.0229	-0.0940	-0.0041	4.57	0.0326
int	1	-0.0460	0.0338	-0.1122	0.0202	1.86	0.1731
C	1	-0.0320	0.0178	-0.0670	0.0029	3.23	0.0725
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05026	-0.16268	0.087136	0.21265
2	1.05026	0.00300	-0.001957	-0.00107
3	1.05026	-0.00196	0.004528	0.00005
4	1.05026	-0.00107	0.000051	0.00105

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA199
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1043.2171	1.0485
Scaled Deviance	995	1043.2171	1.0485
Pearson Chi-Square	995	948.2851	0.9531
Scaled Pearson X2	995	948.2851	0.9531
Log Likelihood		483.6842	
Full Log Likelihood		-1937.2262	
AIC (smaller is better)		3884.4523	
AICC (smaller is better)		3884.5127	
BIC (smaller is better)		3908.9911	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008143	-0.000542	0.0000469	-0.000015	-0.000283
Prm2	-0.000542	0.001306	-2.526E-6	-0.000013	1.8355E-7
Prm3	0.0000469	-2.526E-6	0.0005370	-0.000532	-0.000046
Prm4	-0.000015	-0.000013	-0.000532	0.001128	0.0000126
Prm5	-0.000283	1.8355E-7	-0.000046	0.0000126	0.0002935

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1855	0.0285	1.1295	1.2414	1725.85	<.0001
A	1	-0.0106	0.0361	-0.0814	0.0602	0.09	0.7691
M_cont	1	-0.0197	0.0232	-0.0651	0.0257	0.72	0.3947
int	1	-0.1002	0.0336	-0.1660	-0.0344	8.90	0.0029
C	1	-0.0275	0.0171	-0.0610	0.0061	2.57	0.1089
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.05884	-0.12218	0.16298	0.14241
2	1.05884	0.00295	-0.00193	-0.00102
3	1.05884	-0.00193	0.00460	-0.00001
4	1.05884	-0.00102	-0.00001	0.00102

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1100
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1116.6966	1.1223
Scaled Deviance	995	1116.6966	1.1223
Pearson Chi-Square	995	1028.0838	1.0333
Scaled Pearson X2	995	1028.0838	1.0333
Log Likelihood		536.1881	
Full Log Likelihood		-1978.2317	
AIC (smaller is better)		3966.4635	
AICC (smaller is better)		3966.5239	
BIC (smaller is better)		3991.0023	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	0.0008913	-0.000555	0.0000880	-0.000035	-0.000334
Prm2	-0.000555	0.001279	-0.000012	-0.000011	0.0000119
Prm3	0.0000880	-0.000012	0.0005307	-0.000519	-0.000075
Prm4	-0.000035	-0.000011	-0.000519	0.001153	0.0000245
Prm5	-0.000334	0.0000119	-0.000075	0.0000245	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	1.2136	0.0299	1.1551	1.2722	1652.59	<.0001
A	1	-0.0193	0.0358	-0.0894	0.0509	0.29	0.5904
M_cont	1	-0.0071	0.0230	-0.0522	0.0381	0.09	0.7583
int	1	-0.0889	0.0340	-0.1555	-0.0224	6.86	0.0088
C	1	-0.0358	0.0179	-0.0708	-0.0007	4.00	0.0455
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

Obs	_RMSE_	Intercept	A	C
1	1.02430	-0.23903	0.15562	0.21945
2	1.02430	0.00304	-0.00186	-0.00111
3	1.02430	-0.00186	0.00428	0.00001
4	1.02430	-0.00111	0.00001	0.00103

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1
Distribution	Poisson
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	100000
Number of Observations Used	100000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	1E5	105361.5176	1.0537
Scaled Deviance	1E5	105361.5176	1.0537
Pearson Chi-Square	1E5	97102.5460	0.9711
Scaled Pearson X2	1E5	97102.5460	0.9711
Log Likelihood		44192.2691	
Full Log Likelihood		-193795.0611	
AIC (smaller is better)		387600.1222	
AICC (smaller is better)		387600.1228	
BIC (smaller is better)		387647.6869	

Algorithm converged.

Estimated Covariance Matrix					
	Prm1	Prm2	Prm3	Prm4	Prm5
Prm1	8.6827E-6	-5.599E-6	7.5334E-7	-3.893E-7	-3.16E-6
Prm2	-5.599E-6	0.0000132	-2.131E-7	-1.493E-9	9.398E-8
Prm3	7.5334E-7	-2.131E-7	5.2524E-6	-5.189E-6	-5.537E-7
Prm4	-3.893E-7	-1.493E-9	-5.189E-6	0.0000116	1.9167E-7
Prm5	-3.16E-6	9.398E-8	-5.537E-7	1.9167E-7	3.1427E-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	1.1826	0.0029	1.1768	1.1884	161074	<.0001
A	1	-0.0315	0.0036	-0.0386	-0.0243	74.93	<.0001
M_cont	1	-0.0318	0.0023	-0.0363	-0.0273	192.63	<.0001
int	1	-0.0715	0.0034	-0.0782	-0.0649	441.51	<.0001
C	1	-0.0274	0.0018	-0.0309	-0.0240	239.63	<.0001
Scale	0	1.0000	0.0000	1.0000	1.0000		

The scale parameter was held fixed.

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3445.40674	1722.70337	1568.75	<.0001
Error	99997	109810	1.09814		
Corrected Total	99999	113256			

Root MSE	1.04792	R-Square	0.0304
Dependent Mean	0.06877	Adj R-Sq	0.0304
Coeff Var	1523.77128		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.16921	0.00551	-30.68	<.0001
A	1	0.16110	0.00670	24.05	<.0001
C	1	0.16443	0.00324	50.77	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.04792	-0.16921	0.16110	0.16443
2	1.04792	0.00003	-0.00002	-0.00001
3	1.04792	-0.00002	0.00004	0.00000
4	1.04792	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.96912	0.035581	0.90356	1.03344
2	marginal pnde	0.97465	0.035252	0.90636	1.04163
3	marginal pnie	0.99490	0.004106	0.98585	1.00209
4	marginal tnde	0.96353	0.035269	0.89271	1.02410
5	marginal tnie	0.98355	0.008011	0.96937	0.99718
6	marginal total effect	0.95860	0.035019	0.88689	1.01854
7	conditional cde	0.96912	0.035581	0.90356	1.03344
8	conditional pnde	0.97500	0.035264	0.90640	1.04198
9	conditional pnie	0.99490	0.004106	0.98585	1.00209
10	conditional tnde	0.96387	0.035258	0.89318	1.02445
11	conditional tnie	0.98355	0.008011	0.96937	0.99718
12	conditional total effect	0.95894	0.035017	0.88736	1.01889

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1078.5063	1.0839
Scaled Deviance	995	1078.5063	1.0839
Pearson Chi-Square	995	1001.2166	1.0062
Scaled Pearson X2	995	1001.2166	1.0062
Log Likelihood		477.0849	
Full Log Likelihood		-1963.1843	
AIC (smaller is better)		3938.3686	
AICC (smaller is better)		3938.4532	
BIC (smaller is better)		3967.8151	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008681	-0.000562	0.0000518	-0.000021	-0.000308	9.8576E-7
Prm2	-0.000562	0.001342	-0.000020	0.0000733	-8.968E-6	4.5482E-7
Prm3	0.0000518	-0.000020	0.0005533	-0.000550	-0.000032	2.5769E-7
Prm4	-0.000021	0.0000733	-0.000550	0.001089	-8.665E-9	9.6551E-6
Prm5	-0.000308	-8.968E-6	-0.000032	-8.665E-9	0.0003183	-1.13E-6
Dispersion	9.8576E-7	4.5482E-7	2.5769E-7	9.6551E-6	-1.13E-6	0.0002152

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2008	0.0295	1.1431	1.2586	1661.17	<.0001
A	1	-0.0790	0.0366	-0.1508	-0.0072	4.65	0.0311
M_cont	1	0.0054	0.0235	-0.0407	0.0515	0.05	0.8189
int	1	-0.1244	0.0330	-0.1891	-0.0597	14.21	0.0002
C	1	-0.0213	0.0178	-0.0562	0.0137	1.42	0.2331
Dispersion	1	0.0088	0.0147	0.0003	0.2317		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.09703	-0.16021	0.10798	0.12096
2	1.09703	0.00329	-0.00213	-0.00114
3	1.09703	-0.00213	0.00487	-0.00004
4	1.09703	-0.00114	-0.00004	0.00116

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	992.6609	0.9976
Scaled Deviance	995	992.6609	0.9976
Pearson Chi-Square	995	937.6354	0.9423
Scaled Pearson X2	995	937.6354	0.9423
Log Likelihood		494.0018	
Full Log Likelihood		-1924.8020	
AIC (smaller is better)		3861.6040	
AICC (smaller is better)		3861.6885	
BIC (smaller is better)		3891.0505	

WARNING: The relative Hessian convergence criterion of 22.697969455 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008309	-0.000553	0.0000809	-0.000053	-0.000286	0
Prm2	-0.000553	0.001290	-0.000044	0.0000608	-0.000011	0
Prm3	0.0000809	-0.000044	0.0005363	-0.000533	-0.000038	0
Prm4	-0.000053	0.0000608	-0.000533	0.001073	8.3835E-6	0
Prm5	-0.000286	-0.000011	-0.000038	8.3835E-6	0.0003071	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1762	0.0288	1.1197	1.2327	1665.14	<.0001
A	1	-0.0585	0.0359	-0.1289	0.0118	2.66	0.1031
M_cont	1	-0.0547	0.0232	-0.1001	-0.0093	5.58	0.0182
int	1	-0.0384	0.0328	-0.1027	0.0258	1.38	0.2407
C	1	0.0017	0.0175	-0.0327	0.0360	0.01	0.9243
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.08098	-0.15233	0.11880	0.13332
2	1.08098	0.00309	-0.00208	-0.00104
3	1.08098	-0.00208	0.00472	-0.00006
4	1.08098	-0.00104	-0.00006	0.00112

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1048.1688	1.0534
Scaled Deviance	995	1048.1688	1.0534
Pearson Chi-Square	995	956.1685	0.9610
Scaled Pearson X2	995	956.1685	0.9610
Log Likelihood		476.0470	
Full Log Likelihood		-1936.0722	
AIC (smaller is better)		3884.1445	
AICC (smaller is better)		3884.2291	
BIC (smaller is better)		3913.5910	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008628	-0.000523	0.0001215	-0.000063	-0.000332	1.1338E-9
Prm2	-0.000523	0.001344	-0.000051	0.0000334	-2.556E-6	5.48E-10
Prm3	0.0001215	-0.000051	0.0004997	-0.000488	-0.000069	-4.43E-10
Prm4	-0.000063	0.0000334	-0.000488	0.001067	0.0000112	-1.66E-10
Prm5	-0.000332	-2.556E-6	-0.000069	0.0000112	0.0003266	-1.309E-9
Dispersion	1.1338E-9	5.48E-10	-4.43E-10	-1.66E-10	-1.309E-9	8.7209E-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	1.1976	0.0294	1.1401	1.2552	1662.48	<.0001
A	1	-0.0486	0.0367	-0.1204	0.0233	1.76	0.1852
M_cont	1	-0.0400	0.0224	-0.0838	0.0038	3.20	0.0736
int	1	-0.0632	0.0327	-0.1273	0.0008	3.75	0.0529
C	1	-0.0286	0.0181	-0.0640	0.0068	2.51	0.1134
Dispersion	1	0.0000	0.0003	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.08080	-0.30999	0.22969	0.24482
2	1.08080	0.00317	-0.00190	-0.00117
3	1.08080	-0.00190	0.00485	-0.00006
4	1.08080	-0.00117	-0.00006	0.00113

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1002.1348	1.0072
Scaled Deviance	995	1002.1348	1.0072
Pearson Chi-Square	995	935.0670	0.9398
Scaled Pearson X2	995	935.0670	0.9398
Log Likelihood		539.5833	
Full Log Likelihood		-1935.4120	
AIC (smaller is better)		3882.8241	
AICC (smaller is better)		3882.9087	
BIC (smaller is better)		3912.2706	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008818	-0.000539	0.0000874	-0.000019	-0.000342	6.7724E-9
Prm2	-0.000539	0.001311	-9.817E-6	-0.000045	0.0000230	-2.926E-9
Prm3	0.0000874	-9.817E-6	0.0004707	-0.000455	-0.000078	1.3051E-9
Prm4	-0.000019	-0.000045	-0.000455	0.001200	0.0000141	8.2269E-9
Prm5	-0.000342	0.0000230	-0.000078	0.0000141	0.0003185	-5.705E-9
Dispersion	6.7724E-9	-2.926E-9	1.3051E-9	8.2269E-9	-5.705E-9	6.3763E-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	1.2093	0.0297	1.1511	1.2675	1658.63	<.0001
A	1	-0.0723	0.0362	-0.1432	-0.0013	3.99	0.0459
M_cont	1	-0.0221	0.0217	-0.0646	0.0204	1.04	0.3084
int	1	-0.0698	0.0346	-0.1376	-0.0019	4.05	0.0440
C	1	-0.0098	0.0178	-0.0448	0.0252	0.30	0.5830
Dispersion	1	0.0000	0.0008	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02503	-0.25245	0.16016	0.24913
2	1.02503	0.00299	-0.00184	-0.00110
3	1.02503	-0.00184	0.00433	0.00004
4	1.02503	-0.00110	0.00004	0.00101

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1072.2714	1.0777
Scaled Deviance	995	1072.2714	1.0777
Pearson Chi-Square	995	984.5000	0.9894
Scaled Pearson X2	995	984.5000	0.9894
Log Likelihood		445.1903	
Full Log Likelihood		-1945.9154	
AIC (smaller is better)		3903.8308	
AICC (smaller is better)		3903.9153	
BIC (smaller is better)		3933.2773	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009662	-0.000577	0.0001238	-0.000092	-0.000375	-4.86E-11
Prm2	-0.000577	0.001320	-0.000042	-0.000017	0.0000144	2.7382E-9
Prm3	0.0001238	-0.000042	0.0005085	-0.0000502	-0.0000078	7.953E-10
Prm4	-0.000092	-0.000017	-0.0000502	0.001145	0.0000489	-3.836E-9
Prm5	-0.000375	0.0000144	-0.0000078	0.0000489	0.0003470	-8.37E-10
Dispersion	-4.86E-11	2.7382E-9	7.953E-10	-3.836E-9	-8.37E-10	4.1569E-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	1.1892	0.0311	1.1283	1.2501	1463.67	<.0001
A	1	-0.0548	0.0363	-0.1260	0.0164	2.27	0.1317
M_cont	1	-0.0396	0.0226	-0.0838	0.0046	3.09	0.0789
int	1	-0.0750	0.0338	-0.1413	-0.0086	4.91	0.0268
C	1	-0.0195	0.0186	-0.0561	0.0170	1.10	0.2941
Dispersion	1	0.0000	0.0006	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05593	-0.25632	0.25936	0.20731
2	1.05593	0.00338	-0.00203	-0.00126
3	1.05593	-0.00203	0.00452	0.00002
4	1.05593	-0.00126	0.00002	0.00116

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	948.9305	0.9537
Scaled Deviance	995	948.9305	0.9537
Pearson Chi-Square	995	868.4686	0.8728
Scaled Pearson X2	995	868.4686	0.8728
Log Likelihood		456.4155	
Full Log Likelihood		-1895.4903	
AIC (smaller is better)		3802.9806	
AICC (smaller is better)		3803.0652	
BIC (smaller is better)		3832.4272	

WARNING: The relative Hessian convergence criterion of 90.00991667 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009298	-0.000566	0.0001189	-0.000104	-0.000352	0
Prm2	-0.000566	0.001309	-0.000017	0.0000687	3.1E-6	0
Prm3	0.0001189	-0.000017	0.0005525	-0.000548	-0.000098	0
Prm4	-0.000104	0.0000687	-0.000548	0.001141	0.0000843	0
Prm5	-0.000352	3.1E-6	-0.000098	0.0000843	0.0003377	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1943	0.0305	1.1346	1.2541	1534.05	<.0001
A	1	-0.0702	0.0362	-0.1411	0.0007	3.77	0.0523
M_cont	1	-0.0193	0.0235	-0.0653	0.0268	0.67	0.4122
int	1	-0.1142	0.0338	-0.1804	-0.0480	11.43	0.0007
C	1	-0.0227	0.0184	-0.0587	0.0133	1.53	0.2164
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05236	-0.21176	0.083789	0.19614
2	1.05236	0.00326	-0.002012	-0.00118
3	1.05236	-0.00201	0.004478	0.00001
4	1.05236	-0.00118	0.000006	0.00110

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1056.3745	1.0617
Scaled Deviance	995	1056.3745	1.0617
Pearson Chi-Square	995	977.7370	0.9827
Scaled Pearson X2	995	977.7370	0.9827
Log Likelihood		386.8681	
Full Log Likelihood		-1932.3047	
AIC (smaller is better)		3876.6094	
AICC (smaller is better)		3876.6940	
BIC (smaller is better)		3906.0560	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009089	-0.000591	0.0000494	-0.000012	-0.000320	1.476E-10
Prm2	-0.000591	0.001326	0.0000121	-6.758E-6	0.0000158	-2.17E-11
Prm3	0.0000494	0.0000121	0.0006145	-0.000607	-0.000062	5.853E-11
Prm4	-0.000012	-6.758E-6	-0.000607	0.001171	0.0000262	2.96E-10
Prm5	-0.000320	0.0000158	-0.000062	0.0000262	0.0003059	-1.42E-10
Dispersion	1.476E-10	-2.17E-11	5.853E-11	2.96E-10	-1.42E-10	3.1705E-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	1.1610	0.0301	1.1020 1.2201	1483.20	<.0001	
A	1	-0.0574	0.0364	-0.1288 0.0140	2.48	0.1150	
M_cont	1	-0.0268	0.0248	-0.0754 0.0217	1.17	0.2789	
int	1	-0.0586	0.0342	-0.1257 0.0084	2.94	0.0866	
C	1	-0.0101	0.0175	-0.0444 0.0241	0.34	0.5620	
Dispersion	1	0.0000	0.0002	. .			

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04590	-0.11913	0.057515	0.16118
2	1.04590	0.00312	-0.002038	-0.00107
3	1.04590	-0.00204	0.004426	0.00005
4	1.04590	-0.00107	0.000053	0.00100

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1111.4520	1.1170
Scaled Deviance	995	1111.4520	1.1170
Pearson Chi-Square	995	998.2226	1.0032
Scaled Pearson X2	995	998.2226	1.0032
Log Likelihood		471.0904	
Full Log Likelihood		-1994.3872	
AIC (smaller is better)		4000.7744	
AICC (smaller is better)		4000.8590	
BIC (smaller is better)		4030.2210	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009724	-0.000621	0.0000915	-0.000073	-0.000362	3.0996E-6
Prm2	-0.000621	0.001436	-4.447E-6	0.0000539	6.5166E-7	2.6532E-7
Prm3	0.0000915	-4.447E-6	0.0006468	-0.000642	-0.000090	2.5396E-6
Prm4	-0.000073	0.0000539	-0.000642	0.001282	0.0000709	8.0585E-6
Prm5	-0.000362	6.5166E-7	-0.000090	0.0000709	0.0003731	-3.241E-6
Dispersion	3.0996E-6	2.6532E-7	2.5396E-6	8.0585E-6	-3.241E-6	0.0002587

## The GENMOD 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	0.0312	1.1367	1.2589	1475.44	<.0001
A	1	-0.0322	0.0379	-0.1065	0.0420	0.72	0.3951
M_cont	1	-0.0136	0.0254	-0.0635	0.0362	0.29	0.5923
int	1	-0.1291	0.0358	-0.1993	-0.0589	13.00	0.0003
C	1	-0.0418	0.0193	-0.0796	-0.0039	4.68	0.0306
Dispersion	1	0.0323	0.0161	0.0121	0.0857		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03899	-0.15459	0.073534	0.16764
2	1.03899	0.00305	-0.001927	-0.00110
3	1.03899	-0.00193	0.004379	-0.00000
4	1.03899	-0.00110	-0.000004	0.00110

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1062.4759	1.0678
Scaled Deviance	995	1062.4759	1.0678
Pearson Chi-Square	995	975.4703	0.9804
Scaled Pearson X2	995	975.4703	0.9804
Log Likelihood		561.0812	
Full Log Likelihood		-1960.5700	
AIC (smaller is better)		3933.1400	
AICC (smaller is better)		3933.2246	
BIC (smaller is better)		3962.5865	

WARNING: The relative Hessian convergence criterion of 2.5814252975 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008308	-0.000546	0.0000931	-0.000064	-0.000298	0
Prm2	-0.000546	0.001281	-0.000033	0.0000179	0.0000133	0
Prm3	0.0000931	-0.000033	0.0004642	-0.000458	-0.000063	0
Prm4	-0.000064	0.0000179	-0.000458	0.001091	0.0000343	0
Prm5	-0.000298	0.0000133	-0.000063	0.0000343	0.0002978	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2203	0.0288	1.1638	1.2768	1792.24	<.0001
A	1	-0.0252	0.0358	-0.0954	0.0449	0.50	0.4812
M_cont	1	-0.0215	0.0215	-0.0637	0.0207	1.00	0.3179
int	1	-0.0796	0.0330	-0.1443	-0.0148	5.80	0.0160
C	1	-0.0366	0.0173	-0.0704	-0.0027	4.49	0.0342
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06572	-0.21446	0.18004	0.17631
2	1.06572	0.00310	-0.00200	-0.00109
3	1.06572	-0.00200	0.00465	0.00003
4	1.06572	-0.00109	0.00003	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1050.6356	1.0559
Scaled Deviance	995	1050.6356	1.0559
Pearson Chi-Square	995	957.5860	0.9624
Scaled Pearson X2	995	957.5860	0.9624
Log Likelihood		413.0475	
Full Log Likelihood		-1930.2711	
AIC (smaller is better)		3872.5423	
AICC (smaller is better)		3872.6269	
BIC (smaller is better)		3901.9888	

WARNING: The relative Hessian convergence criterion of 11.369735015 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008330	-0.000545	0.0000736	-0.000049	-0.000290	0
Prm2	-0.000545	0.001334	9.4761E-7	0.0000129	-5.926E-6	0
Prm3	0.0000736	9.4761E-7	0.0005530	-0.000547	-0.000075	0
Prm4	-0.000049	0.0000129	-0.000547	0.001193	0.0000502	0
Prm5	-0.000290	-5.926E-6	-0.000075	0.0000502	0.0002981	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1559	0.0289	1.0994	1.2125	1604.08	<.0001
A	1	0.0343	0.0365	-0.0373	0.1059	0.88	0.3472
M_cont	1	-0.0178	0.0235	-0.0639	0.0282	0.58	0.4479
int	1	-0.0935	0.0345	-0.1612	-0.0258	7.33	0.0068
C	1	-0.0383	0.0173	-0.0721	-0.0044	4.91	0.0267
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03750	-0.15789	0.086977	0.18126
2	1.03750	0.00281	-0.001792	-0.00097
3	1.03750	-0.00179	0.004464	-0.00002
4	1.03750	-0.00097	-0.000020	0.00095

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1102.7821	1.1083
Scaled Deviance	995	1102.7821	1.1083
Pearson Chi-Square	995	994.7922	0.9998
Scaled Pearson X2	995	994.7922	0.9998
Log Likelihood		387.7728	
Full Log Likelihood		-1952.9107	
AIC (smaller is better)		3917.8215	
AICC (smaller is better)		3917.9061	
BIC (smaller is better)		3947.2680	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008539	-0.000562	0.0000661	-0.000048	-0.000296	7.4757E-7
Prm2	-0.000562	0.001381	-0.000012	-0.000051	3.0986E-6	-7.672E-8
Prm3	0.0000661	-0.000012	0.0005026	-0.000499	-0.000055	1.6182E-6
Prm4	-0.000048	-0.000051	-0.000499	0.001210	0.0000368	3.5753E-6
Prm5	-0.000296	3.0986E-6	-0.000055	0.0000368	0.0002979	-1.01E-6
Dispersion	7.4757E-7	-7.672E-8	1.6182E-6	3.5753E-6	-1.01E-6	0.0002303

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1902	0.0292	1.1329	1.2474	1658.84	<.0001
A	1	-0.0621	0.0372	-0.1349	0.0107	2.79	0.0947
M_cont	1	-0.0059	0.0224	-0.0498	0.0381	0.07	0.7940
int	1	-0.1006	0.0348	-0.1688	-0.0325	8.37	0.0038
C	1	-0.0354	0.0173	-0.0692	-0.0016	4.21	0.0402
Dispersion	1	0.0059	0.0152	0.0000	0.8994		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06056	-0.14946	0.22153	0.13495
2	1.06056	0.00301	-0.00196	-0.00102
3	1.06056	-0.00196	0.00460	0.00000
4	1.06056	-0.00102	0.00000	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	981.5539	0.9865
Scaled Deviance	995	981.5539	0.9865
Pearson Chi-Square	995	910.0731	0.9146
Scaled Pearson X2	995	910.0731	0.9146
Log Likelihood		556.7062	
Full Log Likelihood		-1930.6976	
AIC (smaller is better)		3873.3951	
AICC (smaller is better)		3873.4797	
BIC (smaller is better)		3902.8417	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008601	-0.000546	0.0000467	3.2583E-6	-0.000321	1.119E-8
Prm2	-0.000546	0.001292	-6.751E-6	-0.000031	0.0000233	-5.155E-9
Prm3	0.0000467	-6.751E-6	0.0004710	-0.000465	-0.000041	4.8305E-9
Prm4	3.2583E-6	-0.000031	-0.000465	0.001105	-6.533E-6	1.8694E-8
Prm5	-0.000321	0.0000233	-0.000041	-6.533E-6	0.0003049	-9.585E-9
Dispersion	1.119E-8	-5.155E-9	4.8305E-9	1.8694E-8	-9.585E-9	2.0983E-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	1.2149	0.0293	1.1574	1.2724	1716.17	<.0001
A	1	-0.0016	0.0359	-0.0721	0.0688	0.00	0.9637
M_cont	1	-0.0213	0.0217	-0.0638	0.0213	0.96	0.3270
int	1	-0.0483	0.0332	-0.1135	0.0168	2.12	0.1458
C	1	-0.0391	0.0175	-0.0733	-0.0049	5.01	0.0252
Dispersion	1	0.0000	0.0014	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06901	-0.15685	0.13397	0.16259
2	1.06901	0.00326	-0.00200	-0.00121
3	1.06901	-0.00200	0.00474	0.00007
4	1.06901	-0.00121	0.00007	0.00110

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1057.4621	1.0628
Scaled Deviance	995	1057.4621	1.0628
Pearson Chi-Square	995	992.4473	0.9974
Scaled Pearson X2	995	992.4473	0.9974
Log Likelihood		542.7714	
Full Log Likelihood		-1955.7045	
AIC (smaller is better)		3923.4089	
AICC (smaller is better)		3923.4935	
BIC (smaller is better)		3952.8555	

WARNING: The relative Hessian convergence criterion of 0.3552265508 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008379	-0.000539	0.0000341	-0.000018	-0.000283	0
Prm2	-0.000539	0.001266	0.0000214	-0.000050	-0.000035	0
Prm3	0.0000341	0.0000214	0.0005405	-0.000538	-0.000053	0
Prm4	-0.000018	-0.000050	-0.000538	0.001078	0.0000356	0
Prm5	-0.000283	-0.000035	-0.000053	0.0000356	0.0003023	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2061	0.0289	1.1493	1.2628	1736.02	<.0001
A	1	-0.0074	0.0356	-0.0772	0.0623	0.04	0.8349
M_cont	1	-0.0237	0.0232	-0.0693	0.0218	1.04	0.3077
int	1	-0.1052	0.0328	-0.1695	-0.0409	10.27	0.0014
C	1	-0.0297	0.0174	-0.0637	0.0044	2.91	0.0879
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07381	-0.082985	0.14659	0.14581
2	1.07381	0.003194	-0.00201	-0.00108
3	1.07381	-0.002015	0.00466	-0.00013
4	1.07381	-0.001075	-0.00013	0.00110

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	983.6424	0.9886
Scaled Deviance	995	983.6424	0.9886
Pearson Chi-Square	995	912.7987	0.9174
Scaled Pearson X2	995	912.7987	0.9174
Log Likelihood		582.0310	
Full Log Likelihood		-1933.4498	
AIC (smaller is better)		3878.8996	
AICC (smaller is better)		3878.9842	
BIC (smaller is better)		3908.3461	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0007983	-0.000480	0.0000754	-0.000051	-0.000309	1.505E-10
Prm2	-0.000480	0.001293	-2.695E-6	-0.000061	-0.000043	-7.26E-10
Prm3	0.0000754	-2.695E-6	0.0004665	-0.000461	-0.000070	-9.8E-10
Prm4	-0.000051	-0.000061	-0.000461	0.001052	0.0000430	1.0798E-8
Prm5	-0.000309	-0.000043	-0.000070	0.0000430	0.0003409	-5.16E-10
Dispersion	1.505E-10	-7.26E-10	-9.8E-10	1.0798E-8	-5.16E-10	4.5346E-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	1.2461	0.0283	1.1907	1.3014	1945.06	<.0001
A	1	-0.0742	0.0360	-0.1447	-0.0037	4.26	0.0391
M_cont	1	-0.0261	0.0216	-0.0684	0.0162	1.46	0.2272
int	1	-0.0449	0.0324	-0.1085	0.0187	1.91	0.1666
C	1	-0.0351	0.0185	-0.0713	0.0011	3.62	0.0572
Dispersion	1	0.0000	0.0007	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07801	-0.17461	0.16797	0.19890
2	1.07801	0.00313	-0.00187	-0.00117
3	1.07801	-0.00187	0.00477	-0.00017
4	1.07801	-0.00117	-0.00017	0.00125

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	980.5336	0.9855
Scaled Deviance	995	980.5336	0.9855
Pearson Chi-Square	995	911.1533	0.9157
Scaled Pearson X2	995	911.1533	0.9157
Log Likelihood		438.5223	
Full Log Likelihood		-1910.2714	
AIC (smaller is better)		3832.5427	
AICC (smaller is better)		3832.6273	
BIC (smaller is better)		3861.9893	

WARNING: The relative Hessian convergence criterion of 43.375827829 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008146	-0.000548	0.0000684	-0.000036	-0.000291	0
Prm2	-0.000548	0.001358	-0.000026	-0.000075	0.0000167	0
Prm3	0.0000684	-0.000026	0.0005339	-0.000529	-0.000046	0
Prm4	-0.000036	-0.000075	-0.000529	0.001217	0.0000126	0
Prm5	-0.000291	0.0000167	-0.000046	0.0000126	0.0003004	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2092	0.0285	1.1533	1.2651	1795.00	<.0001
A	1	-0.0409	0.0369	-0.1131	0.0314	1.23	0.2675
M_cont	1	-0.0407	0.0231	-0.0860	0.0046	3.10	0.0782
int	1	-0.0382	0.0349	-0.1066	0.0302	1.20	0.2732
C	1	-0.0515	0.0173	-0.0854	-0.0175	8.82	0.0030
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03365	-0.13690	0.24568	0.13720
2	1.03365	0.00284	-0.00184	-0.00101
3	1.03365	-0.00184	0.00442	0.00003
4	1.03365	-0.00101	0.00003	0.00098

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1003.2426	1.0083
Scaled Deviance	995	1003.2426	1.0083
Pearson Chi-Square	995	933.5693	0.9383
Scaled Pearson X2	995	933.5693	0.9383
Log Likelihood		575.0386	
Full Log Likelihood		-1942.4430	
AIC (smaller is better)		3896.8860	
AICC (smaller is better)		3896.9706	
BIC (smaller is better)		3926.3325	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008425	-0.000544	0.0000228	-2.911E-7	-0.000313	7.629E-10
Prm2	-0.000544	0.001293	0.0000244	-0.000081	0.0000254	1.4052E-9
Prm3	0.0000228	0.0000244	0.0004928	-0.000489	-0.000050	-1.3E-9
Prm4	-2.911E-7	-0.000081	-0.000489	0.001193	0.0000278	6.6147E-9
Prm5	-0.000313	0.0000254	-0.000050	0.0000278	0.0003021	-1.496E-9
Dispersion	7.629E-10	1.4052E-9	-1.3E-9	6.6147E-9	-1.496E-9	5.8192E-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	1.2097	0.0290	1.1528	1.2666	1737.07	<.0001
A	1	-0.0065	0.0360	-0.0769	0.0640	0.03	0.8575
M_cont	1	-0.0189	0.0222	-0.0624	0.0246	0.73	0.3944
int	1	-0.0679	0.0345	-0.1357	-0.0002	3.87	0.0492
C	1	-0.0259	0.0174	-0.0600	0.0081	2.22	0.1358
Dispersion	1	0.0000	0.0008	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03500	-0.066874	0.10308	0.13993
2	1.03500	0.002996	-0.00189	-0.00111
3	1.03500	-0.001893	0.00445	0.00009
4	1.03500	-0.001110	0.00009	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1007.4423	1.0125
Scaled Deviance	995	1007.4423	1.0125
Pearson Chi-Square	995	919.5955	0.9242
Scaled Pearson X2	995	919.5955	0.9242
Log Likelihood		431.1736	
Full Log Likelihood		-1915.9381	
AIC (smaller is better)		3843.8762	
AICC (smaller is better)		3843.9608	
BIC (smaller is better)		3873.3227	

WARNING: The relative Hessian convergence criterion of 33.085810662 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009056	-0.000562	0.0000996	-0.000043	-0.000352	0
Prm2	-0.000562	0.001391	-0.000038	-0.000103	0.0000350	0
Prm3	0.0000996	-0.000038	0.0005064	-0.000496	-0.000063	0
Prm4	-0.000043	-0.000103	-0.000496	0.001207	0.0000107	0
Prm5	-0.000352	0.0000350	-0.000063	0.0000107	0.0003254	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1959	0.0301	1.1369	1.2548	1579.15	<.0001
A	1	-0.0766	0.0373	-0.1497	-0.0035	4.22	0.0400
M_cont	1	-0.0513	0.0225	-0.0954	-0.0072	5.20	0.0226
int	1	-0.0304	0.0347	-0.0985	0.0377	0.77	0.3817
C	1	-0.0228	0.0180	-0.0581	0.0126	1.60	0.2064
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03196	-0.22103	0.30667	0.19599
2	1.03196	0.00307	-0.00187	-0.00115
3	1.03196	-0.00187	0.00442	0.00006
4	1.03196	-0.00115	0.00006	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1021.8425	1.0270
Scaled Deviance	995	1021.8425	1.0270
Pearson Chi-Square	995	938.1806	0.9429
Scaled Pearson X2	995	938.1806	0.9429
Log Likelihood		458.9801	
Full Log Likelihood		-1928.1217	
AIC (smaller is better)		3868.2433	
AICC (smaller is better)		3868.3279	
BIC (smaller is better)		3897.6898	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008409	-0.000557	0.0000291	0.0000100	-0.000312	-1.428E-9
Prm2	-0.000557	0.001327	-0.000021	0.0000283	0.0000223	3.7629E-9
Prm3	0.0000291	-0.000021	0.0004764	-0.000475	-8.501E-6	4.4564E-9
Prm4	0.0000100	0.0000283	-0.000475	0.001094	-0.000031	2.5333E-8
Prm5	-0.000312	0.0000223	-8.501E-6	-0.000031	0.0003184	-4.55E-10
Dispersion	-1.428E-9	3.7629E-9	4.4564E-9	2.5333E-8	-4.55E-10	7.8076E-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	1.2087	0.0290	1.1519	1.2656	1737.60	<.0001
A	1	-0.0635	0.0364	-0.1349	0.0079	3.04	0.0814
M_cont	1	-0.0309	0.0218	-0.0737	0.0119	2.00	0.1569
int	1	-0.0376	0.0331	-0.1024	0.0272	1.29	0.2552
C	1	-0.0401	0.0178	-0.0750	-0.0051	5.04	0.0247
Dispersion	1	0.0000	0.0009	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.09108	-0.098347	0.092164	0.088925
2	1.09108	0.003278	-0.002126	-0.001203
3	1.09108	-0.002126	0.004895	0.000076
4	1.09108	-0.001203	0.000076	0.001178

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1021.3173	1.0264
Scaled Deviance	995	1021.3173	1.0264
Pearson Chi-Square	995	956.8630	0.9617
Scaled Pearson X2	995	956.8630	0.9617
Log Likelihood		503.4468	
Full Log Likelihood		-1938.2510	
AIC (smaller is better)		3888.5020	
AICC (smaller is better)		3888.5866	
BIC (smaller is better)		3917.9486	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008747	-0.000543	0.0000690	-0.000044	-0.000332	1.031E-10
Prm2	-0.000543	0.001325	-0.000013	2.8982E-6	0.0000253	-2.55E-11
Prm3	0.0000690	-0.000013	0.0004893	-0.000485	-0.000056	-2.26E-10
Prm4	-0.000044	2.8982E-6	-0.000485	0.001158	0.0000331	8.329E-10
Prm5	-0.000332	0.0000253	-0.000056	0.0000331	0.0003070	-1.04E-10
Dispersion	1.031E-10	-2.55E-11	-2.26E-10	8.329E-10	-1.04E-10	8.4824E-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	1.1922	0.0296	1.1342	1.2502	1624.84	<.0001
A	1	-0.0576	0.0364	-0.1289	0.0138	2.50	0.1138
M_cont	1	-0.0195	0.0221	-0.0629	0.0238	0.78	0.3777
int	1	-0.0690	0.0340	-0.1357	-0.0024	4.12	0.0424
C	1	-0.0106	0.0175	-0.0449	0.0238	0.36	0.5468
Dispersion	1	0.0000	0.0003	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04813	-0.15550	0.12433	0.14707
2	1.04813	0.00310	-0.00193	-0.00114
3	1.04813	-0.00193	0.00457	0.00008
4	1.04813	-0.00114	0.00008	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1054.9523	1.0603
Scaled Deviance	995	1054.9523	1.0603
Pearson Chi-Square	995	974.0144	0.9789
Scaled Pearson X2	995	974.0144	0.9789
Log Likelihood		475.9295	
Full Log Likelihood		-1944.6563	
AIC (smaller is better)		3901.3127	
AICC (smaller is better)		3901.3973	
BIC (smaller is better)		3930.7592	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008592	-0.000563	0.0000456	-0.000025	-0.000308	3.7221E-8
Prm2	-0.000563	0.001303	7.3234E-7	8.8229E-6	0.0000151	-1.923E-8
Prm3	0.0000456	7.3234E-7	0.0005090	-0.000506	-0.000048	3.5604E-8
Prm4	-0.000025	8.8229E-6	-0.000506	0.001153	0.0000277	3.9489E-7
Prm5	-0.000308	0.0000151	-0.000048	0.0000277	0.0003043	-3.721E-8
Dispersion	3.7221E-8	-1.923E-8	3.5604E-8	3.9489E-7	-3.721E-8	0.0000158

## The GENMOD 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	0.0293	1.0702	1.1851	1479.98	<.0001
A	1	0.0582	0.0361	-0.0126	0.1289	2.60	0.1071
M_cont	1	-0.0440	0.0226	-0.0883	0.0002	3.81	0.0509
int	1	-0.0534	0.0340	-0.1199	0.0132	2.47	0.1161
C	1	-0.0016	0.0174	-0.0358	0.0326	0.01	0.9270
Dispersion	1	0.0000	0.0040	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05044	-0.081310	0.049354	0.13289
2	1.05044	0.002944	-0.001916	-0.00106
3	1.05044	-0.001916	0.004575	0.00005
4	1.05044	-0.001059	0.000054	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1060.1628	1.0655
Scaled Deviance	995	1060.1628	1.0655
Pearson Chi-Square	995	954.7061	0.9595
Scaled Pearson X2	995	954.7061	0.9595
Log Likelihood		461.8704	
Full Log Likelihood		-1938.6299	
AIC (smaller is better)		3889.2598	
AICC (smaller is better)		3889.3444	
BIC (smaller is better)		3918.7063	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008276	-0.000530	0.0000481	-9.06E-6	-0.000315	1.1308E-9
Prm2	-0.000530	0.001355	-4.449E-6	0.0000208	0.0000147	-9.43E-10
Prm3	0.0000481	-4.449E-6	0.0005111	-0.000505	-0.000046	4.6246E-9
Prm4	-9.06E-6	0.0000208	-0.000505	0.001203	6.8057E-6	5.1037E-9
Prm5	-0.000315	0.0000147	-0.000046	6.8057E-6	0.0003169	-9.51E-10
Dispersion	1.1308E-9	-9.43E-10	4.6246E-9	5.1037E-9	-9.51E-10	5.2555E-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	1.2285	0.0288	1.1721	1.2849	1823.59	<.0001
A	1	-0.0844	0.0368	-0.1565	-0.0122	5.25	0.0219
M_cont	1	-0.0204	0.0226	-0.0647	0.0239	0.81	0.3672
int	1	-0.0873	0.0347	-0.1552	-0.0193	6.33	0.0119
C	1	-0.0515	0.0178	-0.0864	-0.0166	8.36	0.0038
Dispersion	1	0.0000	0.0007	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03404	-0.13171	0.092811	0.14810
2	1.03404	0.00293	-0.001835	-0.00109
3	1.03404	-0.00183	0.004454	0.00005
4	1.03404	-0.00109	0.000047	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1067.4978	1.0729
Scaled Deviance	995	1067.4978	1.0729
Pearson Chi-Square	995	977.3897	0.9823
Scaled Pearson X2	995	977.3897	0.9823
Log Likelihood		417.5822	
Full Log Likelihood		-1938.2891	
AIC (smaller is better)		3888.5782	
AICC (smaller is better)		3888.6628	
BIC (smaller is better)		3918.0247	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008761	-0.000572	0.0000746	-0.000049	-0.000321	-2.14E-11
Prm2	-0.000572	0.001324	-0.000023	-6.711E-6	0.0000104	-1.66E-10
Prm3	0.0000746	-0.000023	0.0004797	-0.000475	-0.000054	1.109E-10
Prm4	-0.000049	-6.711E-6	-0.000475	0.001113	0.0000275	1.121E-9
Prm5	-0.000321	0.0000104	-0.000054	0.0000275	0.0003276	3.759E-11
Dispersion	-2.14E-11	-1.66E-10	1.109E-10	1.121E-9	3.759E-11	3.9897E-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	1.1617	0.0296	1.1036	1.2197	1540.27	<.0001
A	1	-0.0259	0.0364	-0.0972	0.0454	0.51	0.4769
M_cont	1	-0.0492	0.0219	-0.0921	-0.0063	5.05	0.0246
int	1	-0.0552	0.0334	-0.1206	0.0102	2.73	0.0982
C	1	-0.0157	0.0181	-0.0512	0.0197	0.76	0.3847
Dispersion	1	0.0000	0.0002	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07953	-0.14288	0.15938	0.15870
2	1.07953	0.00321	-0.00209	-0.00115
3	1.07953	-0.00209	0.00474	0.00003
4	1.07953	-0.00115	0.00003	0.00115

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1087.1047	1.0926
Scaled Deviance	995	1087.1047	1.0926
Pearson Chi-Square	995	983.8138	0.9888
Scaled Pearson X2	995	983.8138	0.9888
Log Likelihood		530.9273	
Full Log Likelihood		-1964.2140	
AIC (smaller is better)		3940.4280	
AICC (smaller is better)		3940.5126	
BIC (smaller is better)		3969.8746	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008068	-0.000527	0.0000830	-0.000045	-0.000299	4.045E-10
Prm2	-0.000527	0.001330	-0.000028	-0.000051	0.0000180	-1.43E-10
Prm3	0.0000830	-0.000028	0.0004673	-0.000460	-0.000059	-2.73E-10
Prm4	-0.000045	-0.000051	-0.000460	0.001181	0.0000214	3.316E-10
Prm5	-0.000299	0.0000180	-0.000059	0.0000214	0.0002995	-3.59E-10
Dispersion	4.045E-10	-1.43E-10	-2.73E-10	3.316E-10	-3.59E-10	1.6351E-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	1.2354	0.0284	1.1797	1.2910	1891.51	<.0001
A	1	-0.0936	0.0365	-0.1651	-0.0221	6.59	0.0103
M_cont	1	-0.0223	0.0216	-0.0646	0.0201	1.06	0.3033
int	1	-0.0154	0.0344	-0.0827	0.0520	0.20	0.6544
C	1	-0.0336	0.0173	-0.0675	0.0003	3.77	0.0522
Dispersion	1	0.0000	0.0004	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04508	-0.20347	0.18151	0.17737
2	1.04508	0.00293	-0.00189	-0.00105
3	1.04508	-0.00189	0.00452	0.00004
4	1.04508	-0.00105	0.00004	0.00102

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1000.1895	1.0052
Scaled Deviance	995	1000.1895	1.0052
Pearson Chi-Square	995	911.4598	0.9160
Scaled Pearson X2	995	911.4598	0.9160
Log Likelihood		611.5888	
Full Log Likelihood		-1939.9205	
AIC (smaller is better)		3891.8411	
AICC (smaller is better)		3891.9257	
BIC (smaller is better)		3921.2876	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008443	-0.000563	0.0000871	-0.000048	-0.000302	1.0019E-8
Prm2	-0.000563	0.001243	-0.000026	0.0000317	0.0000103	2.4344E-9
Prm3	0.0000871	-0.000026	0.0005444	-0.000536	-0.000065	7.4491E-9
Prm4	-0.000048	0.0000317	-0.000536	0.001118	0.0000241	-4.837E-9
Prm5	-0.000302	0.0000103	-0.000065	0.0000241	0.0003119	-1.142E-8
Dispersion	1.0019E-8	2.4344E-9	7.4491E-9	-4.837E-9	-1.142E-8	7.7354E-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	1.2186	0.0291	1.1616	1.2755	1758.72	<.0001
A	1	-0.0109	0.0353	-0.0800	0.0582	0.10	0.7574
M_cont	1	-0.0125	0.0233	-0.0582	0.0332	0.29	0.5920
int	1	-0.1169	0.0334	-0.1824	-0.0514	12.23	0.0005
C	1	-0.0287	0.0177	-0.0633	0.0059	2.65	0.1038
Dispersion	1	0.0000	0.0009	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02917	-0.20563	0.17284	0.18052
2	1.02917	0.00295	-0.00194	-0.00104
3	1.02917	-0.00194	0.00428	0.00002
4	1.02917	-0.00104	0.00002	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1021.1613	1.0263
Scaled Deviance	995	1021.1613	1.0263
Pearson Chi-Square	995	942.2588	0.9470
Scaled Pearson X2	995	942.2588	0.9470
Log Likelihood		510.5741	
Full Log Likelihood		-1931.9917	
AIC (smaller is better)		3875.9834	
AICC (smaller is better)		3876.0680	
BIC (smaller is better)		3905.4299	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008250	-0.000525	0.0000470	-7.594E-6	-0.000301	8.4166E-9
Prm2	-0.000525	0.001299	-0.000017	0.0000167	-0.000016	-3.962E-9
Prm3	0.0000470	-0.000017	0.0005123	-0.000508	-0.000030	1.5441E-9
Prm4	-7.594E-6	0.0000167	-0.000508	0.001136	-0.000012	5.1777E-8
Prm5	-0.000301	-0.000016	-0.000030	-0.000012	0.0003177	-8.983E-9
Dispersion	8.4166E-9	-3.962E-9	1.5441E-9	5.1777E-8	-8.983E-9	1.7405E-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	1.1986	0.0287	1.1423	1.2549	1741.32	<.0001
A	1	-0.0239	0.0360	-0.0945	0.0468	0.44	0.5080
M_cont	1	-0.0259	0.0226	-0.0702	0.0185	1.30	0.2534
int	1	-0.1159	0.0337	-0.1820	-0.0499	11.83	0.0006
C	1	-0.0290	0.0178	-0.0640	0.0059	2.65	0.1033
Dispersion	1	0.0000	0.0013	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05676	-0.14091	0.17926	0.13731
2	1.05676	0.00299	-0.00186	-0.00107
3	1.05676	-0.00186	0.00458	-0.00008
4	1.05676	-0.00107	-0.00008	0.00110

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	976.1044	0.9810
Scaled Deviance	995	976.1044	0.9810
Pearson Chi-Square	995	923.7999	0.9284
Scaled Pearson X2	995	923.7999	0.9284
Log Likelihood		452.4593	
Full Log Likelihood		-1912.3235	
AIC (smaller is better)		3836.6471	
AICC (smaller is better)		3836.7316	
BIC (smaller is better)		3866.0936	

WARNING: The relative Hessian convergence criterion of 26.963590976 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008279	-0.000549	0.0000948	-0.000046	-0.000298	0
Prm2	-0.000549	0.001332	-0.000029	-0.000023	0.0000104	0
Prm3	0.0000948	-0.000029	0.0005223	-0.000511	-0.000070	0
Prm4	-0.000046	-0.000023	-0.000511	0.001200	0.0000200	0
Prm5	-0.000298	0.0000104	-0.000070	0.0000200	0.0003080	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1783	0.0288	1.1219	1.2347	1677.01	<.0001
A	1	-0.0337	0.0365	-0.1052	0.0379	0.85	0.3563
M_cont	1	-0.0690	0.0229	-0.1138	-0.0243	9.13	0.0025
int	1	-0.0302	0.0346	-0.0981	0.0377	0.76	0.3836
C	1	-0.0202	0.0176	-0.0546	0.0142	1.32	0.2501
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02458	-0.17580	0.16640	0.20164
2	1.02458	0.00276	-0.00181	-0.00096
3	1.02458	-0.00181	0.00432	0.00001
4	1.02458	-0.00096	0.00001	0.00097

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1083.3110	1.0888
Scaled Deviance	995	1083.3110	1.0888
Pearson Chi-Square	995	998.7353	1.0038
Scaled Pearson X2	995	998.7353	1.0038
Log Likelihood		410.0249	
Full Log Likelihood		-1946.0977	
AIC (smaller is better)		3904.1955	
AICC (smaller is better)		3904.2801	
BIC (smaller is better)		3933.6420	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009358	-0.000612	0.0000749	-0.000060	-0.000344	-2.752E-7
Prm2	-0.000612	0.001334	-0.000021	-0.000068	0.0000287	-9.643E-7
Prm3	0.0000749	-0.000021	0.0005108	-0.000508	-0.000057	7.4569E-7
Prm4	-0.000060	-0.000068	-0.000508	0.001164	0.0000428	4.2075E-6
Prm5	-0.000344	0.0000287	-0.000057	0.0000428	0.0003339	2.9232E-7
Dispersion	-2.752E-7	-9.643E-7	7.4569E-7	4.2075E-6	2.9232E-7	0.0002074

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1613	0.0306	1.1013	1.2212	1441.06	<.0001
A	1	-0.0031	0.0365	-0.0747	0.0685	0.01	0.9324
M_cont	1	-0.0326	0.0226	-0.0769	0.0117	2.08	0.1488
int	1	-0.0629	0.0341	-0.1297	0.0040	3.40	0.0653
C	1	-0.0226	0.0183	-0.0585	0.0132	1.53	0.2154
Dispersion	1	0.0020	0.0144	0.0000	3620.634		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06759	-0.13618	0.24348	0.13850
2	1.06759	0.00333	-0.00216	-0.00121
3	1.06759	-0.00216	0.00462	0.00009
4	1.06759	-0.00121	0.00009	0.00115

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1025.0402	1.0302
Scaled Deviance	995	1025.0402	1.0302
Pearson Chi-Square	995	957.6388	0.9625
Scaled Pearson X2	995	957.6388	0.9625
Log Likelihood		541.4263	
Full Log Likelihood		-1941.8879	
AIC (smaller is better)		3895.7758	
AICC (smaller is better)		3895.8604	
BIC (smaller is better)		3925.2223	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008428	-0.000565	0.0000995	-0.000044	-0.000313	5.6397E-9
Prm2	-0.000565	0.001312	-0.000054	4.88E-6	0.0000380	-1.371E-9
Prm3	0.0000995	-0.000054	0.0004480	-0.000439	-0.000051	-1.212E-9
Prm4	-0.000044	4.88E-6	-0.000439	0.001034	-3.778E-6	5.3349E-9
Prm5	-0.000313	0.0000380	-0.000051	-3.778E-6	0.0003110	-5.512E-9
Dispersion	5.6397E-9	-1.371E-9	-1.212E-9	5.3349E-9	-5.512E-9	3.6356E-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	1.1928	0.0290	1.1359	1.2497	1688.07	<.0001
A	1	0.0120	0.0362	-0.0590	0.0830	0.11	0.7398
M_cont	1	-0.0509	0.0212	-0.0924	-0.0094	5.79	0.0161
int	1	-0.0571	0.0322	-0.1201	0.0059	3.15	0.0758
C	1	-0.0302	0.0176	-0.0648	0.0044	2.93	0.0867
Dispersion	1	0.0000	0.0006	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.09184	-0.26409	0.27943	0.21450
2	1.09184	0.00321	-0.00209	-0.00117
3	1.09184	-0.00209	0.00496	0.00009
4	1.09184	-0.00117	0.00009	0.00113

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1099.1915	1.1047
Scaled Deviance	995	1099.1915	1.1047
Pearson Chi-Square	995	991.2772	0.9963
Scaled Pearson X2	995	991.2772	0.9963
Log Likelihood		509.4916	
Full Log Likelihood		-1963.7264	
AIC (smaller is better)		3939.4529	
AICC (smaller is better)		3939.5375	
BIC (smaller is better)		3968.8994	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008632	-0.000560	0.0000607	-0.000053	-0.000314	-1.319E-6
Prm2	-0.000560	0.001314	0.0000102	0.0000624	7.1272E-6	8.307E-7
Prm3	0.0000607	0.0000102	0.0005601	-0.000558	-0.000073	-8.024E-7
Prm4	-0.000053	0.0000624	-0.000558	0.001204	0.0000652	2.3888E-6
Prm5	-0.000314	7.1272E-6	-0.000073	0.0000652	0.0003180	1.0258E-6
Dispersion	-1.319E-6	8.307E-7	-8.024E-7	2.3888E-6	1.0258E-6	0.0002067

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1801	0.0294	1.1225	1.2377	1613.32	<.0001
A	1	-0.0070	0.0362	-0.0780	0.0641	0.04	0.8477
M_cont	1	-0.0672	0.0237	-0.1136	-0.0208	8.07	0.0045
int	1	-0.0822	0.0347	-0.1502	-0.0141	5.60	0.0179
C	1	-0.0233	0.0178	-0.0582	0.0117	1.70	0.1918
Dispersion	1	0.0031	0.0144	0.0000	29.0297		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03034	-0.060281	-0.028510	0.15034
2	1.03034	0.002932	-0.001893	-0.00105
3	1.03034	-0.001893	0.004352	0.00005
4	1.03034	-0.001053	0.000051	0.00102

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1002.8433	1.0079
Scaled Deviance	995	1002.8433	1.0079
Pearson Chi-Square	995	949.2678	0.9540
Scaled Pearson X2	995	949.2678	0.9540
Log Likelihood		459.4028	
Full Log Likelihood		-1925.8902	
AIC (smaller is better)		3863.7803	
AICC (smaller is better)		3863.8649	
BIC (smaller is better)		3893.2269	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008572	-0.0000518	0.0000862	-0.0000069	-0.000315	-4E-10
Prm2	-0.0000518	0.001319	-0.000026	0.0000205	-0.000025	8.105E-11
Prm3	0.0000862	-0.000026	0.0005288	-0.000526	-0.000056	4.776E-10
Prm4	-0.0000069	0.0000205	-0.000526	0.001262	0.0000390	1.3909E-9
Prm5	-0.000315	-0.000025	-0.000056	0.0000390	0.0003158	3.283E-10
Dispersion	-4E-10	8.105E-11	4.776E-10	1.3909E-9	3.283E-10	8.9328E-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	1.1889	0.0293	1.1315	1.2462	1648.74	<.0001
A	1	-0.0365	0.0363	-0.1077	0.0346	1.01	0.3144
M_cont	1	-0.0318	0.0230	-0.0768	0.0133	1.91	0.1673
int	1	-0.0368	0.0355	-0.1064	0.0328	1.07	0.3003
C	1	-0.0277	0.0178	-0.0625	0.0072	2.42	0.1196
Dispersion	1	0.0000	0.0003	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.01332	-0.15399	0.090645	0.13116
2	1.01332	0.00282	-0.001688	-0.00102
3	1.01332	-0.00169	0.004217	-0.00009
4	1.01332	-0.00102	-0.000086	0.00100

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1007.6006	1.0127
Scaled Deviance	995	1007.6006	1.0127
Pearson Chi-Square	995	933.6965	0.9384
Scaled Pearson X2	995	933.6965	0.9384
Log Likelihood		545.5037	
Full Log Likelihood		-1931.2556	
AIC (smaller is better)		3874.5111	
AICC (smaller is better)		3874.5957	
BIC (smaller is better)		3903.9576	

WARNING: The relative Hessian convergence criterion of 20.90042414 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008352	-0.000563	0.0000697	-0.000028	-0.000301	0
Prm2	-0.000563	0.001288	-0.000016	0.0000311	0.0000246	0
Prm3	0.0000697	-0.000016	0.0005055	-0.000497	-0.000060	0
Prm4	-0.000028	0.0000311	-0.000497	0.001083	0.0000176	0
Prm5	-0.000301	0.0000246	-0.000060	0.0000176	0.0003064	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2422	0.0289	1.1856	1.2988	1847.59	<.0001
A	1	-0.0770	0.0359	-0.1474	-0.0067	4.60	0.0319
M_cont	1	-0.0128	0.0225	-0.0569	0.0313	0.32	0.5692
int	1	-0.1440	0.0329	-0.2085	-0.0794	19.13	<.0001
C	1	-0.0438	0.0175	-0.0782	-0.0095	6.27	0.0122
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07025	-0.20691	0.18916	0.20181
2	1.07025	0.00319	-0.00212	-0.00111
3	1.07025	-0.00212	0.00465	0.00007
4	1.07025	-0.00111	0.00007	0.00108

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	977.6188	0.9825
Scaled Deviance	995	977.6188	0.9825
Pearson Chi-Square	995	899.6068	0.9041
Scaled Pearson X2	995	899.6068	0.9041
Log Likelihood		506.0747	
Full Log Likelihood		-1919.2536	
AIC (smaller is better)		3850.5072	
AICC (smaller is better)		3850.5918	
BIC (smaller is better)		3879.9537	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008702	-0.000544	0.0001031	-0.000074	-0.000327	2.0986E-9
Prm2	-0.000544	0.001303	-0.000038	0.0000338	7.6964E-6	6.8309E-9
Prm3	0.0001031	-0.000038	0.0005222	-0.000516	-0.000065	-4.018E-9
Prm4	-0.000074	0.0000338	-0.000516	0.001109	0.0000369	4.3936E-8
Prm5	-0.000327	7.6964E-6	-0.000065	0.0000369	0.0003193	-5.968E-9
Dispersion	2.0986E-9	6.8309E-9	-4.018E-9	4.3936E-8	-5.968E-9	1.2338E-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	1.1947	0.0295	1.1369	1.2526	1640.38	<.0001
A	1	-0.0052	0.0361	-0.0760	0.0655	0.02	0.8847
M_cont	1	0.0028	0.0229	-0.0420	0.0475	0.01	0.9042
int	1	-0.0888	0.0333	-0.1541	-0.0235	7.11	0.0077
C	1	-0.0329	0.0179	-0.0680	0.0021	3.39	0.0654
Dispersion	1	0.0000	0.0011	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05800	-0.24574	0.18769	0.17105
2	1.05800	0.00311	-0.00191	-0.00116
3	1.05800	-0.00191	0.00462	0.00000
4	1.05800	-0.00116	0.00000	0.00111

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	989.5462	0.9945
Scaled Deviance	995	989.5462	0.9945
Pearson Chi-Square	995	901.4272	0.9060
Scaled Pearson X2	995	901.4272	0.9060
Log Likelihood		412.7769	
Full Log Likelihood		-1905.0890	
AIC (smaller is better)		3822.1781	
AICC (smaller is better)		3822.2627	
BIC (smaller is better)		3851.6246	

WARNING: The relative Hessian convergence criterion of 56.760104761 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008663	-0.000567	0.0000623	-0.000022	-0.000331	0
Prm2	-0.000567	0.001392	-0.000020	-0.000061	0.0000460	0
Prm3	0.0000623	-0.000020	0.0004594	-0.000454	-0.000047	0
Prm4	-0.000022	-0.000061	-0.000454	0.001145	8.5803E-6	0
Prm5	-0.000331	0.0000460	-0.000047	8.5803E-6	0.0003161	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1588	0.0294	1.1011	1.2165	1550.05	<.0001
A	1	-0.0401	0.0373	-0.1132	0.0330	1.15	0.2826
M_cont	1	-0.0411	0.0214	-0.0832	0.0009	3.69	0.0549
int	1	-0.0753	0.0338	-0.1416	-0.0090	4.95	0.0260
C	1	-0.0062	0.0178	-0.0411	0.0286	0.12	0.7262
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.08136	-0.15465	0.25416	0.16537
2	1.08136	0.00317	-0.00206	-0.00118
3	1.08136	-0.00206	0.00493	0.00013
4	1.08136	-0.00118	0.00013	0.00111

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1037.2769	1.0425
Scaled Deviance	995	1037.2769	1.0425
Pearson Chi-Square	995	950.8153	0.9556
Scaled Pearson X2	995	950.8153	0.9556
Log Likelihood		498.8980	
Full Log Likelihood		-1935.7412	
AIC (smaller is better)		3883.4824	
AICC (smaller is better)		3883.5670	
BIC (smaller is better)		3912.9290	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008600	-0.0000550	0.0000620	0.0000109	-0.000330	7.522E-10
Prm2	-0.0000550	0.001335	-0.000016	-0.000037	0.0000307	3.854E-10
Prm3	0.0000620	-0.000016	0.0004683	-0.000457	-0.000049	9.385E-10
Prm4	0.0000109	-0.000037	-0.000457	0.001240	-0.000021	-3.63E-10
Prm5	-0.0000330	0.0000307	-0.000049	-0.000021	0.0003184	-8.94E-10
Dispersion	7.522E-10	3.854E-10	9.385E-10	-3.63E-10	-8.94E-10	1.3161E-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	1.2572	0.0293	1.1997	1.3147	1837.93	<.0001
A	1	-0.0697	0.0365	-0.1413	0.0019	3.64	0.0564
M_cont	1	-0.0387	0.0216	-0.0811	0.0037	3.19	0.0739
int	1	-0.0499	0.0352	-0.1189	0.0191	2.01	0.1566
C	1	-0.0708	0.0178	-0.1057	-0.0358	15.73	<.0001
Dispersion	1	0.0000	0.0004	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03581	-0.18150	0.15071	0.19165
2	1.03581	0.00311	-0.00189	-0.00116
3	1.03581	-0.000189	0.00445	0.00007
4	1.03581	-0.000116	0.00007	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1007.3932	1.0125
Scaled Deviance	995	1007.3932	1.0125
Pearson Chi-Square	995	942.5945	0.9473
Scaled Pearson X2	995	942.5945	0.9473
Log Likelihood		417.9321	
Full Log Likelihood		-1919.2548	
AIC (smaller is better)		3850.5096	
AICC (smaller is better)		3850.5942	
BIC (smaller is better)		3879.9561	

WARNING: The relative Hessian convergence criterion of 18.71765567 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008861	-0.000559	0.0000895	-0.000036	-0.000327	0
Prm2	-0.000559	0.001326	-0.000026	-0.000040	-4.042E-6	0
Prm3	0.0000895	-0.000026	0.0005830	-0.000572	-0.000064	0
Prm4	-0.000036	-0.000040	-0.000572	0.001265	9.0806E-6	0
Prm5	-0.000327	-4.042E-6	-0.000064	9.0806E-6	0.0003305	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1716	0.0298	1.1133	1.2300	1549.13	<.0001
A	1	-0.0436	0.0364	-0.1149	0.0278	1.43	0.2317
M_cont	1	-0.0080	0.0241	-0.0554	0.0393	0.11	0.7393
int	1	-0.0926	0.0356	-0.1623	-0.0229	6.78	0.0092
C	1	-0.0145	0.0182	-0.0501	0.0212	0.63	0.4258
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.00219	-0.22307	0.23442	0.18788
2	1.00219	0.00278	-0.00175	-0.00099
3	1.00219	-0.00175	0.00408	-0.00005
4	1.00219	-0.00099	-0.00005	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1050.1251	1.0554
Scaled Deviance	995	1050.1251	1.0554
Pearson Chi-Square	995	947.9656	0.9527
Scaled Pearson X2	995	947.9656	0.9527
Log Likelihood		363.4471	
Full Log Likelihood		-1919.6277	
AIC (smaller is better)		3851.2554	
AICC (smaller is better)		3851.3399	
BIC (smaller is better)		3880.7019	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008993	-0.000518	0.0000976	-0.000072	-0.000337	3.326E-10
Prm2	-0.000518	0.001383	-0.000023	-0.000078	-0.000033	-4.55E-10
Prm3	0.0000976	-0.000023	0.0005148	-0.000510	-0.000066	2.95E-10
Prm4	-0.000072	-0.000078	-0.000510	0.001202	0.0000413	2.0048E-9
Prm5	-0.000337	-0.000033	-0.000066	0.0000413	0.0003277	-3.17E-10
Dispersion	3.326E-10	-4.55E-10	2.95E-10	2.0048E-9	-3.17E-10	5.6153E-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	1.1589	0.0300	1.1001	1.2176	1493.28	<.0001
A	1	-0.0083	0.0372	-0.0812	0.0646	0.05	0.8237
M_cont	1	-0.0332	0.0227	-0.0776	0.0113	2.13	0.1440
int	1	-0.0831	0.0347	-0.1511	-0.0152	5.75	0.0165
C	1	-0.0286	0.0181	-0.0640	0.0069	2.49	0.1145
Dispersion	1	0.0000	0.0002	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05214	-0.18927	0.28220	0.16415
2	1.05214	0.00308	-0.00175	-0.00113
3	1.05214	-0.00175	0.00458	-0.00013
4	1.05214	-0.00113	-0.00013	0.00107

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1027.6940	1.0329
Scaled Deviance	995	1027.6940	1.0329
Pearson Chi-Square	995	947.3810	0.9521
Scaled Pearson X2	995	947.3810	0.9521
Log Likelihood		388.0125	
Full Log Likelihood		-1920.0358	
AIC (smaller is better)		3852.0717	
AICC (smaller is better)		3852.1563	
BIC (smaller is better)		3881.5182	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009230	-0.000629	0.0000927	-0.000045	-0.000349	4.266E-10
Prm2	-0.000629	0.001352	-0.000059	-0.000043	0.0000529	6.514E-11
Prm3	0.0000927	-0.000059	0.0006032	-0.000598	-0.000040	-7.87E-11
Prm4	-0.000045	-0.000043	-0.000598	0.001245	-8.504E-6	3.317E-10
Prm5	-0.000349	0.0000529	-0.000040	-8.504E-6	0.0003508	-5.03E-10
Dispersion	4.266E-10	6.514E-11	-7.87E-11	3.317E-10	-5.03E-10	1.6598E-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	1.1586	0.0304	1.0990	1.2181	1454.35	<.0001
A	1	0.0017	0.0368	-0.0704	0.0737	0.00	0.9640
M_cont	1	-0.0308	0.0246	-0.0789	0.0173	1.57	0.2097
int	1	-0.0466	0.0353	-0.1158	0.0226	1.74	0.1867
C	1	-0.0320	0.0187	-0.0687	0.0047	2.91	0.0878
Dispersion	1	0.0000	0.0004	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02008	-0.20699	0.31600	0.14843
2	1.02008	0.00298	-0.00197	-0.00112
3	1.02008	-0.00197	0.00425	0.00013
4	1.02008	-0.00112	0.00013	0.00110

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1038.9272	1.0441
Scaled Deviance	995	1038.9272	1.0441
Pearson Chi-Square	995	948.3968	0.9532
Scaled Pearson X2	995	948.3968	0.9532
Log Likelihood		416.6196	
Full Log Likelihood		-1926.6025	
AIC (smaller is better)		3865.2049	
AICC (smaller is better)		3865.2895	
BIC (smaller is better)		3894.6515	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008584	-0.000556	0.0001276	-0.000100	-0.000295	6.677E-12
Prm2	-0.000556	0.001332	-0.000070	0.0000468	-0.000019	2.712E-10
Prm3	0.0001276	-0.000070	0.0005449	-0.000540	-0.000056	1.1763E-9
Prm4	-0.000100	0.0000468	-0.000540	0.001197	0.0000271	-1.84E-10
Prm5	-0.000295	-0.000019	-0.000056	0.0000271	0.0003068	-9.13E-11
Dispersion	6.677E-12	2.712E-10	1.1763E-9	-1.84E-10	-9.13E-11	1.1185E-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	1.1803	0.0293	1.1229	1.2377	1622.92	<.0001
A	1	-0.0054	0.0365	-0.0770	0.0661	0.02	0.8816
M_cont	1	-0.0498	0.0233	-0.0955	-0.0040	4.55	0.0329
int	1	-0.0399	0.0346	-0.1078	0.0279	1.33	0.2482
C	1	-0.0470	0.0175	-0.0814	-0.0127	7.21	0.0072
Dispersion	1	0.0000	0.0003	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04008	-0.22732	0.21026	0.15140
2	1.04008	0.00291	-0.00182	-0.00100
3	1.04008	-0.00182	0.00441	-0.00009
4	1.04008	-0.00100	-0.00009	0.00100

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1045.2309	1.0505
Scaled Deviance	995	1045.2309	1.0505
Pearson Chi-Square	995	951.3058	0.9561
Scaled Pearson X2	995	951.3058	0.9561
Log Likelihood		423.1422	
Full Log Likelihood		-1931.4632	
AIC (smaller is better)		3874.9265	
AICC (smaller is better)		3875.0111	
BIC (smaller is better)		3904.3730	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009348	-0.000584	0.0001222	-0.000078	-0.000355	1.4074E-9
Prm2	-0.000584	0.001326	-0.000039	-6.325E-6	0.0000251	-1.82E-10
Prm3	0.0001222	-0.000039	0.0005612	-0.000551	-0.000084	1.1491E-9
Prm4	-0.000078	-6.325E-6	-0.000551	0.001184	0.0000430	-1.98E-10
Prm5	-0.000355	0.0000251	-0.000084	0.0000430	0.0003348	-1.307E-9
Dispersion	1.4074E-9	-1.82E-10	1.1491E-9	-1.98E-10	-1.307E-9	2.646E-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	1.1553	0.0306	1.0953	1.2152	1427.78	<.0001
A	1	-0.0387	0.0364	-0.1101	0.0326	1.13	0.2876
M_cont	1	-0.0404	0.0237	-0.0868	0.0061	2.90	0.0884
int	1	-0.0335	0.0344	-0.1009	0.0340	0.95	0.3303
C	1	-0.0021	0.0183	-0.0380	0.0338	0.01	0.9081
Dispersion	1	0.0000	0.0005	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02808	-0.24267	0.18337	0.21204
2	1.02808	0.00304	-0.00192	-0.00111
3	1.02808	-0.00192	0.00431	0.00005
4	1.02808	-0.00111	0.00005	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1041.7199	1.0470
Scaled Deviance	995	1041.7199	1.0470
Pearson Chi-Square	995	949.9108	0.9547
Scaled Pearson X2	995	949.9108	0.9547
Log Likelihood		416.0868	
Full Log Likelihood		-1925.9202	
AIC (smaller is better)		3863.8404	
AICC (smaller is better)		3863.9250	
BIC (smaller is better)		3893.2869	

WARNING: The relative Hessian convergence criterion of 14.194678987 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008750	-0.000589	0.0001009	-0.000076	-0.000301	0
Prm2	-0.000589	0.001315	-0.000046	0.0000587	7.7143E-6	0
Prm3	0.0001009	-0.000046	0.0005489	-0.000544	-0.000057	0
Prm4	-0.000076	0.0000587	-0.000544	0.001179	0.0000314	0
Prm5	-0.000301	7.7143E-6	-0.000057	0.0000314	0.0003086	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1875	0.0296	1.1295	1.2455	1611.59	<.0001
A	1	-0.0728	0.0363	-0.1438	-0.0017	4.03	0.0448
M_cont	1	-0.0219	0.0234	-0.0678	0.0240	0.87	0.3501
int	1	-0.0912	0.0343	-0.1585	-0.0239	7.05	0.0079
C	1	-0.0241	0.0176	-0.0585	0.0103	1.88	0.1698
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04466	-0.19933	0.16921	0.14505
2	1.04466	0.00303	-0.00203	-0.00101
3	1.04466	-0.00203	0.00439	0.00001
4	1.04466	-0.00101	0.00001	0.00102

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1065.1733	1.0705
Scaled Deviance	995	1065.1733	1.0705
Pearson Chi-Square	995	983.4408	0.9884
Scaled Pearson X2	995	983.4408	0.9884
Log Likelihood		531.6640	
Full Log Likelihood		-1953.5729	
AIC (smaller is better)		3919.1459	
AICC (smaller is better)		3919.2305	
BIC (smaller is better)		3948.5924	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008086	-0.000522	0.0000694	-0.000033	-0.000301	-7.89E-10
Prm2	-0.000522	0.001315	-0.000029	9.5341E-7	-9.083E-8	1.2707E-9
Prm3	0.0000694	-0.000029	0.0004687	-0.000464	-0.000043	1.3504E-9
Prm4	-0.000033	9.5341E-7	-0.000464	0.001180	4.4719E-6	6.168E-10
Prm5	-0.000301	-9.083E-8	-0.000043	4.4719E-6	0.0003160	2.115E-10
Dispersion	-7.89E-10	1.2707E-9	1.3504E-9	6.168E-10	2.115E-10	2.2868E-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	1.2299	0.0284	1.1742	1.2857	1870.87	<.0001
A	1	-0.0748	0.0363	-0.1458	-0.0037	4.25	0.0392
M_cont	1	-0.0320	0.0217	-0.0744	0.0105	2.18	0.1397
int	1	-0.1295	0.0344	-0.1968	-0.0622	14.21	0.0002
C	1	-0.0338	0.0178	-0.0687	0.0010	3.62	0.0570
Dispersion	1	0.0000	0.0005	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04157	-0.16362	0.23665	0.14454
2	1.04157	0.00292	-0.00184	-0.00106
3	1.04157	-0.00184	0.00445	-0.00003
4	1.04157	-0.00106	-0.00003	0.00108

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1052.7020	1.0580
Scaled Deviance	995	1052.7020	1.0580
Pearson Chi-Square	995	957.3030	0.9621
Scaled Pearson X2	995	957.3030	0.9621
Log Likelihood		439.9740	
Full Log Likelihood		-1936.2679	
AIC (smaller is better)		3884.5358	
AICC (smaller is better)		3884.6204	
BIC (smaller is better)		3913.9823	

WARNING: The relative Hessian convergence criterion of 6.3031169595 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008498	-0.000553	0.0000921	-0.000070	-0.000322	0
Prm2	-0.000553	0.001378	-0.000023	-0.000058	0.0000361	0
Prm3	0.0000921	-0.000023	0.0004985	-0.000493	-0.000075	0
Prm4	-0.000070	-0.000058	-0.000493	0.001268	0.0000531	0
Prm5	-0.000322	0.0000361	-0.000075	0.0000531	0.0003102	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2323	0.0292	1.1752	1.2894	1786.88	<.0001
A	1	-0.0716	0.0371	-0.1443	0.0012	3.72	0.0538
M_cont	1	-0.0237	0.0223	-0.0674	0.0201	1.12	0.2893
int	1	-0.0453	0.0356	-0.1151	0.0245	1.61	0.2038
C	1	-0.0625	0.0176	-0.0970	-0.0280	12.58	0.0004
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02549	-0.18086	0.18847	0.17342
2	1.02549	0.00294	-0.00186	-0.00108
3	1.02549	-0.00186	0.00441	0.00011
4	1.02549	-0.000108	0.00011	0.00098

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1076.3296	1.0817
Scaled Deviance	995	1076.3296	1.0817
Pearson Chi-Square	995	1004.1857	1.0092
Scaled Pearson X2	995	1004.1857	1.0092
Log Likelihood		472.5356	
Full Log Likelihood		-1981.1341	
AIC (smaller is better)		3974.2682	
AICC (smaller is better)		3974.3528	
BIC (smaller is better)		4003.7147	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009917	-0.000650	0.0001577	-0.000137	-0.000364	2.007E-6
Prm2	-0.000650	0.001407	-0.000090	8.5482E-6	0.0000120	2.3141E-7
Prm3	0.0001577	-0.000090	0.0006455	-0.000641	-0.000072	-3.095E-7
Prm4	-0.000137	8.5482E-6	-0.000641	0.001281	0.0000502	2.4909E-6
Prm5	-0.000364	0.0000120	-0.000072	0.0000502	0.0003759	-2.384E-6
Dispersion	2.007E-6	2.3141E-7	-3.095E-7	2.4909E-6	-2.384E-6	0.0002382

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1695	0.0315	1.1078	1.2312	1379.11	<.0001
A	1	0.0620	0.0375	-0.0116	0.1355	2.73	0.0986
M_cont	1	-0.0403	0.0254	-0.0901	0.0095	2.52	0.1126
int	1	-0.0507	0.0358	-0.1208	0.0195	2.01	0.1568
C	1	-0.0489	0.0194	-0.0869	-0.0109	6.37	0.0116
Dispersion	1	0.0246	0.0154	0.0072	0.0841		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03419	-0.25020	0.32494	0.15737
2	1.03419	0.00305	-0.00193	-0.00113
3	1.03419	-0.00193	0.00433	0.00001
4	1.03419	-0.00113	0.00001	0.00114

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1009.9736	1.0150
Scaled Deviance	995	1009.9736	1.0150
Pearson Chi-Square	995	958.3551	0.9632
Scaled Pearson X2	995	958.3551	0.9632
Log Likelihood		370.9061	
Full Log Likelihood		-1913.7352	
AIC (smaller is better)		3839.4705	
AICC (smaller is better)		3839.5550	
BIC (smaller is better)		3868.9170	

WARNING: The relative Hessian convergence criterion of 8.5456597434 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008952	-0.000547	0.0000460	-0.000016	-0.000318	0
Prm2	-0.000547	0.001334	-0.000015	0.0000112	-0.000034	0
Prm3	0.0000460	-0.000015	0.0005756	-0.000573	-0.000029	0
Prm4	-0.000016	0.0000112	-0.000573	0.001199	-1.94E-6	0
Prm5	-0.000318	-0.000034	-0.000029	-1.94E-6	0.0003215	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1126	0.0299	1.0539	1.1712	1382.60	<.0001
A	1	0.0083	0.0365	-0.0633	0.0799	0.05	0.8207
M_cont	1	-0.0254	0.0240	-0.0724	0.0216	1.12	0.2902
int	1	-0.0820	0.0346	-0.1498	-0.0141	5.60	0.0179
C	1	0.0050	0.0179	-0.0302	0.0401	0.08	0.7811
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03913	-0.10249	0.13230	0.098224
2	1.03913	0.00293	-0.00179	-0.001037
3	1.03913	-0.00179	0.00441	-0.000126
4	1.03913	-0.00104	-0.00013	0.001054

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1091.4214	1.0969
Scaled Deviance	995	1091.4214	1.0969
Pearson Chi-Square	995	998.3874	1.0034
Scaled Pearson X2	995	998.3874	1.0034
Log Likelihood		339.6102	
Full Log Likelihood		-1964.8926	
AIC (smaller is better)		3941.7851	
AICC (smaller is better)		3941.8697	
BIC (smaller is better)		3971.2316	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009761	-0.000629	0.0000767	-0.000043	-0.000348	-1.137E-6
Prm2	-0.000629	0.001472	-0.000026	-6.686E-6	6.4409E-6	-2.901E-7
Prm3	0.0000767	-0.000026	0.0005580	-0.000553	-0.000050	4.7665E-7
Prm4	-0.000043	-6.686E-6	-0.000553	0.001264	0.0000173	7.1736E-6
Prm5	-0.000348	6.4409E-6	-0.000050	0.0000173	0.0003419	9.0948E-7
Dispersion	-1.137E-6	-2.901E-7	4.7665E-7	7.1736E-6	9.0948E-7	0.0002622

## The GENMOD 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	0.0312	1.0727	1.1952	1317.26	<.0001
A	1	0.0315	0.0384	-0.0437	0.1066	0.67	0.4123
M_cont	1	-0.0259	0.0236	-0.0722	0.0204	1.20	0.2737
int	1	-0.0869	0.0355	-0.1566	-0.0173	5.98	0.0145
C	1	-0.0346	0.0185	-0.0708	0.0017	3.49	0.0617
Dispersion	1	0.0278	0.0162	0.0089	0.0870		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06908	-0.16129	0.18895	0.14023
2	1.06908	0.00315	-0.00197	-0.00113
3	1.06908	-0.00197	0.00470	0.00001
4	1.06908	-0.00113	0.00001	0.00107

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1061.4520	1.0668
Scaled Deviance	995	1061.4520	1.0668
Pearson Chi-Square	995	984.7787	0.9897
Scaled Pearson X2	995	984.7787	0.9897
Log Likelihood		449.9549	
Full Log Likelihood		-1944.4670	
AIC (smaller is better)		3900.9340	
AICC (smaller is better)		3901.0186	
BIC (smaller is better)		3930.3805	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008958	-0.000584	0.0000738	-2.761E-6	-0.000339	4.6189E-9
Prm2	-0.000584	0.001331	-5.439E-6	-0.000086	0.0000363	-7.797E-9
Prm3	0.0000738	-5.439E-6	0.0005539	-0.000538	-0.000074	1.032E-8
Prm4	-2.761E-6	-0.000086	-0.000538	0.001166	5.3673E-6	2.637E-8
Prm5	-0.000339	0.0000363	-0.000074	5.3673E-6	0.0003284	-4.153E-9
Dispersion	4.6189E-9	-7.797E-9	1.032E-8	2.637E-8	-4.153E-9	1.1442E-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	1.1955	0.0299	1.1369	1.2542	1595.57	<.0001
A	1	-0.0199	0.0365	-0.0914	0.0516	0.30	0.5847
M_cont	1	-0.0318	0.0235	-0.0779	0.0143	1.83	0.1765
int	1	-0.0328	0.0341	-0.0997	0.0342	0.92	0.3373
C	1	-0.0399	0.0181	-0.0754	-0.0044	4.86	0.0276
Dispersion	1	0.0000	0.0011	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03116	-0.21052	0.19460	0.23794
2	1.03116	0.00305	-0.00193	-0.00112
3	1.03116	-0.00193	0.00437	0.00008
4	1.03116	-0.00112	0.00008	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1053.1333	1.0584
Scaled Deviance	995	1053.1333	1.0584
Pearson Chi-Square	995	967.5566	0.9724
Scaled Pearson X2	995	967.5566	0.9724
Log Likelihood		382.3897	
Full Log Likelihood		-1925.8299	
AIC (smaller is better)		3863.6598	
AICC (smaller is better)		3863.7444	
BIC (smaller is better)		3893.1064	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009747	-0.000605	0.0001151	-0.000077	-0.000368	2.8553E-9
Prm2	-0.000605	0.001352	-0.000038	-0.000094	0.0000193	-4.161E-9
Prm3	0.0001151	-0.000038	0.0005905	-0.0000583	-0.0000076	3.8973E-9
Prm4	-0.000077	-0.000094	-0.0000583	0.001283	0.0000402	6.7526E-9
Prm5	-0.000368	0.0000193	-0.0000076	0.0000402	0.0003466	-1.937E-9
Dispersion	2.8553E-9	-4.161E-9	3.8973E-9	6.7526E-9	-1.937E-9	3.8136E-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	0.0312	1.1309	1.2533	1457.93	<.0001
A	1	-0.0002	0.0368	-0.0723	0.0718	0.00	0.9947
M_cont	1	-0.0494	0.0243	-0.0971	-0.0018	4.14	0.0419
int	1	-0.0429	0.0358	-0.1131	0.0273	1.44	0.2307
C	1	-0.0591	0.0186	-0.0956	-0.0226	10.07	0.0015
Dispersion	1	0.0000	0.0006	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.00642	-0.20458	0.28947	0.18706
2	1.00642	0.00313	-0.00186	-0.00117
3	1.00642	-0.00186	0.00410	0.00003
4	1.00642	-0.00117	0.00003	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1003.3731	1.0084
Scaled Deviance	995	1003.3731	1.0084
Pearson Chi-Square	995	909.4186	0.9140
Scaled Pearson X2	995	909.4186	0.9140
Log Likelihood		381.9640	
Full Log Likelihood		-1907.4350	
AIC (smaller is better)		3826.8700	
AICC (smaller is better)		3826.9546	
BIC (smaller is better)		3856.3165	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009766	-0.000598	0.0001318	-0.000097	-0.000376	4.6439E-9
Prm2	-0.000598	0.001360	-0.000072	0.0001087	0.0000317	-8.47E-10
Prm3	0.0001318	-0.000072	0.0005116	-0.000506	-0.000060	4.5106E-9
Prm4	-0.000097	0.0001087	-0.000506	0.001164	0.0000280	7.7941E-9
Prm5	-0.000376	0.0000317	-0.000060	0.0000280	0.0003425	-3.815E-9
Dispersion	4.6439E-9	-8.47E-10	4.5106E-9	7.7941E-9	-3.815E-9	7.1413E-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	1.1214	0.0312	1.0602	1.1827	1287.74	<.0001
A	1	-0.0003	0.0369	-0.0726	0.0720	0.00	0.9938
M_cont	1	-0.0521	0.0226	-0.0964	-0.0078	5.30	0.0213
int	1	-0.0490	0.0341	-0.1159	0.0178	2.07	0.1506
C	1	-0.0032	0.0185	-0.0395	0.0331	0.03	0.8626
Dispersion	1	0.0000	0.0008	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06531	-0.25947	0.14922	0.17048
2	1.06531	0.00331	-0.00203	-0.00126
3	1.06531	-0.00203	0.00469	0.00009
4	1.06531	-0.00126	0.00009	0.00116

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1115.1137	1.1207
Scaled Deviance	995	1115.1137	1.1207
Pearson Chi-Square	995	1000.3584	1.0054
Scaled Pearson X2	995	1000.3584	1.0054
Log Likelihood		421.2450	
Full Log Likelihood		-1956.2497	
AIC (smaller is better)		3924.4993	
AICC (smaller is better)		3924.5839	
BIC (smaller is better)		3953.9458	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008898	-0.000593	0.0001000	-0.000076	-0.000313	1.8811E-6
Prm2	-0.000593	0.001374	-0.000036	0.0001021	0.0000308	-8.813E-7
Prm3	0.0001000	-0.000036	0.0005611	-0.0000556	-0.000068	3.7025E-6
Prm4	-0.000076	0.0001021	-0.0000556	0.001221	0.0000454	3.6768E-7
Prm5	-0.000313	0.0000308	-0.000068	0.0000454	0.0002982	-1.439E-6
Dispersion	1.8811E-6	-8.813E-7	3.7025E-6	3.6768E-7	-1.439E-6	0.0002259

## The GENMOD 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	0.0298	1.1157	1.2327	1549.56	<.0001
A	1	-0.0672	0.0371	-0.1399	0.0054	3.29	0.0697
M_cont	1	-0.0676	0.0237	-0.1140	-0.0212	8.14	0.0043
int	1	-0.0853	0.0349	-0.1538	-0.0169	5.96	0.0146
C	1	-0.0192	0.0173	-0.0530	0.0146	1.24	0.2663
Dispersion	1	0.0059	0.0150	0.0000	0.8934		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03265	-0.14949	0.073564	0.15762
2	1.03265	0.00293	-0.001958	-0.00100
3	1.03265	-0.00196	0.004370	0.00009
4	1.03265	-0.00100	0.000093	0.00093

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1032.5000	1.0377
Scaled Deviance	995	1032.5000	1.0377
Pearson Chi-Square	995	935.8693	0.9406
Scaled Pearson X2	995	935.8693	0.9406
Log Likelihood		461.7848	
Full Log Likelihood		-1927.4399	
AIC (smaller is better)		3866.8798	
AICC (smaller is better)		3866.9644	
BIC (smaller is better)		3896.3264	

WARNING: The relative Hessian convergence criterion of 24.197099276 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008037	-0.000512	0.0000793	-0.000039	-0.000309	0
Prm2	-0.000512	0.001402	-0.000025	-0.000152	-2.006E-6	0
Prm3	0.0000793	-0.000025	0.0004439	-0.000436	-0.000058	0
Prm4	-0.000039	-0.000152	-0.000436	0.001194	0.0000153	0
Prm5	-0.000309	-2.006E-6	-0.000058	0.0000153	0.0003280	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2488	0.0283	1.1932	1.3043	1940.35	<.0001
A	1	-0.1337	0.0374	-0.2071	-0.0603	12.75	0.0004
M_cont	1	-0.0312	0.0211	-0.0725	0.0100	2.20	0.1380
int	1	-0.0258	0.0346	-0.0936	0.0419	0.56	0.4549
C	1	-0.0497	0.0181	-0.0852	-0.0142	7.54	0.0060
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06432	-0.19780	0.30565	0.18999
2	1.06432	0.00304	-0.00188	-0.00112
3	1.06432	-0.00188	0.00467	-0.00005
4	1.06432	-0.00112	-0.00005	0.00114

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1087.3293	1.0928
Scaled Deviance	995	1087.3293	1.0928
Pearson Chi-Square	995	994.2120	0.9992
Scaled Pearson X2	995	994.2120	0.9992
Log Likelihood		395.0148	
Full Log Likelihood		-1943.5686	
AIC (smaller is better)		3899.1372	
AICC (smaller is better)		3899.2218	
BIC (smaller is better)		3928.5837	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008522	-0.000555	0.0000875	-0.000032	-0.000324	2.803E-10
Prm2	-0.000555	0.001356	-0.000032	0.0000198	0.0000146	-3.3E-10
Prm3	0.0000875	-0.000032	0.0005347	-0.000524	-0.000061	6.097E-10
Prm4	-0.000032	0.0000198	-0.000524	0.001286	3.4775E-6	1.9892E-9
Prm5	-0.000324	0.0000146	-0.000061	3.4775E-6	0.0003384	-2.03E-10
Dispersion	2.803E-10	-3.3E-10	6.097E-10	1.9892E-9	-2.03E-10	1.3983E-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	1.1773	0.0292	1.1201	1.2345	1626.44	<.0001
A	1	-0.0502	0.0368	-0.1224	0.0220	1.86	0.1726
M_cont	1	-0.0135	0.0231	-0.0588	0.0318	0.34	0.5587
int	1	-0.0693	0.0359	-0.1396	0.0010	3.74	0.0532
C	1	-0.0311	0.0184	-0.0672	0.0049	2.87	0.0905
Dispersion	1	0.0000	0.0004	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.00684	-0.21835	0.14526	0.18612
2	1.00684	0.00272	-0.00175	-0.00101
3	1.00684	-0.00175	0.00419	0.00002
4	1.00684	-0.00101	0.00002	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1042.2672	1.0475
Scaled Deviance	995	1042.2672	1.0475
Pearson Chi-Square	995	952.1203	0.9569
Scaled Pearson X2	995	952.1203	0.9569
Log Likelihood		421.9532	
Full Log Likelihood		-1926.5902	
AIC (smaller is better)		3865.1803	
AICC (smaller is better)		3865.2649	
BIC (smaller is better)		3894.6268	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008598	-0.0000572	0.0000655	-0.000031	-0.000308	5.9477E-9
Prm2	-0.0000572	0.001324	-0.000018	0.0000101	0.0000125	-2.333E-9
Prm3	0.0000655	-0.000018	0.0005590	-0.0000553	-0.000051	1.0692E-8
Prm4	-0.000031	0.0000101	-0.0000553	0.001120	0.0000148	2.2242E-8
Prm5	-0.000308	0.0000125	-0.000051	0.0000148	0.0003155	-6.347E-9
Dispersion	5.9477E-9	-2.333E-9	1.0692E-8	2.2242E-8	-6.347E-9	1.4151E-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	1.1753	0.0293	1.1178	1.2328	1606.57	<.0001
A	1	-0.0004	0.0364	-0.0718	0.0709	0.00	0.9904
M_cont	1	-0.0505	0.0236	-0.0969	-0.0042	4.57	0.0326
int	1	-0.0631	0.0335	-0.1287	0.0025	3.56	0.0593
C	1	-0.0409	0.0178	-0.0757	-0.0061	5.31	0.0212
Dispersion	1	0.0000	0.0012	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06539	-0.13562	0.14677	0.16069
2	1.06539	0.00311	-0.00201	-0.00111
3	1.06539	-0.00201	0.00465	0.00003
4	1.06539	-0.00111	0.00003	0.00108

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1042.2933	1.0475
Scaled Deviance	995	1042.2933	1.0475
Pearson Chi-Square	995	971.6415	0.9765
Scaled Pearson X2	995	971.6415	0.9765
Log Likelihood		474.1117	
Full Log Likelihood		-1940.2233	
AIC (smaller is better)		3892.4467	
AICC (smaller is better)		3892.5313	
BIC (smaller is better)		3921.8932	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008786	-0.0000572	0.0000751	-0.0000028	-0.0000325	-3.44E-10
Prm2	-0.0000572	0.001309	-0.000033	-0.0000032	0.0000181	2.8887E-9
Prm3	0.0000751	-0.0000033	0.0004787	-0.0000472	-0.0000045	2.0562E-9
Prm4	-0.0000028	-0.0000032	-0.0000472	0.001147	-2.335E-6	-7.416E-9
Prm5	-0.0000325	0.0000181	-0.0000045	-2.335E-6	0.0003250	-5.31E-10
Dispersion	-3.44E-10	2.8887E-9	2.0562E-9	-7.416E-9	-5.31E-10	4.7751E-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	1.1816	0.0296	1.1235	1.2397	1589.25	<.0001
A	1	0.0088	0.0362	-0.0621	0.0797	0.06	0.8070
M_cont	1	-0.0535	0.0219	-0.0964	-0.0106	5.98	0.0144
int	1	-0.0277	0.0339	-0.0941	0.0386	0.67	0.4127
C	1	-0.0344	0.0180	-0.0698	0.0009	3.65	0.0561
Dispersion	1	0.0000	0.0007	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05733	-0.16696	0.19123	0.16400
2	1.05733	0.00314	-0.00199	-0.00116
3	1.05733	-0.000199	0.00458	0.00004
4	1.05733	-0.000116	0.00004	0.00111

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1043.3896	1.0486
Scaled Deviance	995	1043.3896	1.0486
Pearson Chi-Square	995	955.3351	0.9601
Scaled Pearson X2	995	955.3351	0.9601
Log Likelihood		358.6635	
Full Log Likelihood		-1920.9577	
AIC (smaller is better)		3853.9155	
AICC (smaller is better)		3854.0001	
BIC (smaller is better)		3883.3620	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008599	-0.000552	0.0000407	-2.557E-6	-0.000304	2.04E-10
Prm2	-0.000552	0.001372	0.0000112	-0.000049	7.2368E-6	-1.459E-9
Prm3	0.0000407	0.0000112	0.0005151	-0.000509	-0.000051	-3.04E-9
Prm4	-2.557E-6	-0.000049	-0.000509	0.001207	0.0000144	1.5627E-8
Prm5	-0.000304	7.2368E-6	-0.000051	0.0000144	0.0002925	-3.71E-11
Dispersion	2.04E-10	-1.459E-9	-3.04E-9	1.5627E-8	-3.71E-11	3.1869E-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	1.1333	0.0293	1.0759	1.1908	1493.82	<.0001
A	1	-0.0349	0.0370	-0.1076	0.0377	0.89	0.3455
M_cont	1	-0.0538	0.0227	-0.0983	-0.0093	5.61	0.0178
int	1	-0.0312	0.0347	-0.0993	0.0369	0.81	0.3694
C	1	0.0007	0.0171	-0.0328	0.0343	0.00	0.9660
Dispersion	1	0.0000	0.0006	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04516	-0.083305	0.073914	0.15738
2	1.04516	0.002895	-0.001862	-0.00100
3	1.04516	-0.001862	0.004526	0.00002
4	1.04516	-0.001000	0.000019	0.00095

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1103.4174	1.1090
Scaled Deviance	995	1103.4174	1.1090
Pearson Chi-Square	995	997.2827	1.0023
Scaled Pearson X2	995	997.2827	1.0023
Log Likelihood		463.7040	
Full Log Likelihood		-1974.7899	
AIC (smaller is better)		3961.5799	
AICC (smaller is better)		3961.6645	
BIC (smaller is better)		3991.0264	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009744	-0.000585	0.0000843	-0.000068	-0.000387	-6.108E-8
Prm2	-0.000585	0.001374	-0.000043	0.0000109	0.0000146	-8.572E-7
Prm3	0.0000843	-0.000043	0.0005335	-0.000532	-0.000041	2.1316E-6
Prm4	-0.000068	0.0000109	-0.000532	0.001147	0.0000250	2.9503E-6
Prm5	-0.000387	0.0000146	-0.000041	0.0000250	0.0003695	2.4543E-7
Dispersion	-6.108E-8	-8.572E-7	2.1316E-6	2.9503E-6	2.4543E-7	0.0002326

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1965	0.0312	1.1353	1.2577	1469.25	<.0001
A	1	-0.0366	0.0371	-0.1093	0.0360	0.98	0.3230
M_cont	1	-0.0517	0.0231	-0.0969	-0.0064	5.01	0.0253
int	1	-0.0394	0.0339	-0.1058	0.0270	1.35	0.2446
C	1	-0.0336	0.0192	-0.0713	0.0041	3.05	0.0806
Dispersion	1	0.0132	0.0153	0.0014	0.1269		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07291	-0.13494	0.19139	0.10551
2	1.07291	0.00347	-0.00205	-0.00136
3	1.07291	-0.00205	0.00471	0.00004
4	1.07291	-0.00136	0.00004	0.00127

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1033.3285	1.0385
Scaled Deviance	995	1033.3285	1.0385
Pearson Chi-Square	995	962.1369	0.9670
Scaled Pearson X2	995	962.1369	0.9670
Log Likelihood		425.0295	
Full Log Likelihood		-1929.7768	
AIC (smaller is better)		3871.5536	
AICC (smaller is better)		3871.6382	
BIC (smaller is better)		3901.0001	

WARNING: The relative Hessian convergence criterion of 5.4321678667 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008787	-0.000539	0.0001000	-0.000084	-0.000328	0
Prm2	-0.000539	0.001338	-0.000042	0.0000226	-8.09E-6	0
Prm3	0.0001000	-0.000042	0.0005118	-0.000509	-0.000056	0
Prm4	-0.000084	0.0000226	-0.000509	0.001205	0.0000406	0
Prm5	-0.000328	-8.09E-6	-0.000056	0.0000406	0.0003237	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1586	0.0296	1.1005	1.2167	1527.68	<.0001
A	1	-0.0182	0.0366	-0.0899	0.0535	0.25	0.6192
M_cont	1	-0.0052	0.0226	-0.0496	0.0391	0.05	0.8175
int	1	-0.1134	0.0347	-0.1815	-0.0454	10.68	0.0011
C	1	-0.0131	0.0180	-0.0483	0.0222	0.53	0.4674
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04483	-0.21382	0.23614	0.13386
2	1.04483	0.00297	-0.00182	-0.00109
3	1.04483	-0.00182	0.00450	-0.00005
4	1.04483	-0.00109	-0.00005	0.00108

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1065.0355	1.0704
Scaled Deviance	995	1065.0355	1.0704
Pearson Chi-Square	995	981.8698	0.9868
Scaled Pearson X2	995	981.8698	0.9868
Log Likelihood		441.5810	
Full Log Likelihood		-1940.2583	
AIC (smaller is better)		3892.5167	
AICC (smaller is better)		3892.6013	
BIC (smaller is better)		3921.9632	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008768	-0.000596	0.0000431	6.1879E-6	-0.000314	3.796E-10
Prm2	-0.000596	0.001314	7.6457E-6	-0.000060	0.0000320	2.585E-11
Prm3	0.0000431	7.6457E-6	0.0005305	-0.000522	-0.000057	3.928E-10
Prm4	6.1879E-6	-0.000060	-0.000522	0.001190	7.2601E-6	1.6661E-9
Prm5	-0.000314	0.0000320	-0.000057	7.2601E-6	0.0003156	-5.28E-10
Dispersion	3.796E-10	2.585E-11	3.928E-10	1.6661E-9	-5.28E-10	1.2383E-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	1.2125	0.0296	1.1545	1.2705	1676.79	<.0001
A	1	-0.0599	0.0363	-0.1310	0.0111	2.73	0.0982
M_cont	1	-0.0239	0.0230	-0.0691	0.0212	1.08	0.2986
int	1	-0.0729	0.0345	-0.1405	-0.0053	4.47	0.0346
C	1	-0.0435	0.0178	-0.0783	-0.0087	6.00	0.0143
Dispersion	1	0.0000	0.0004	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03712	-0.13656	0.14194	0.18769
2	1.03712	0.00307	-0.00204	-0.00107
3	1.03712	-0.00204	0.00436	0.00008
4	1.03712	-0.00107	0.00008	0.00102

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	981.5561	0.9865
Scaled Deviance	995	981.5561	0.9865
Pearson Chi-Square	995	907.6590	0.9122
Scaled Pearson X2	995	907.6590	0.9122
Log Likelihood		478.6021	
Full Log Likelihood		-1910.1160	
AIC (smaller is better)		3832.2319	
AICC (smaller is better)		3832.3165	
BIC (smaller is better)		3861.6784	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008748	-0.000535	0.0001311	-0.000085	-0.000316	5.206E-9
Prm2	-0.000535	0.001316	-0.000049	0.0001105	-0.000030	1.397E-10
Prm3	0.0001311	-0.000049	0.0005558	-0.000545	-0.000076	1.4954E-8
Prm4	-0.000085	0.0001105	-0.000545	0.001117	0.0000295	1.6007E-8
Prm5	-0.000316	-0.000030	-0.000076	0.0000295	0.0003212	-4.646E-9
Dispersion	5.206E-9	1.397E-10	1.4954E-8	1.6007E-8	-4.646E-9	8.4917E-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	1.1687	0.0296	1.1107	1.2267	1561.36	<.0001
A	1	-0.0163	0.0363	-0.0874	0.0548	0.20	0.6534
M_cont	1	-0.0637	0.0236	-0.1099	-0.0174	7.29	0.0069
int	1	-0.0997	0.0334	-0.1652	-0.0342	8.90	0.0028
C	1	-0.0198	0.0179	-0.0549	0.0153	1.22	0.2689
Dispersion	1	0.0000	0.0009	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04949	-0.24952	0.12431	0.21670
2	1.04949	0.00299	-0.00183	-0.00105
3	1.04949	-0.00183	0.00450	-0.00012
4	1.04949	-0.00105	-0.00012	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1061.1855	1.0665
Scaled Deviance	995	1061.1855	1.0665
Pearson Chi-Square	995	995.3680	1.0004
Scaled Pearson X2	995	995.3680	1.0004
Log Likelihood		510.9003	
Full Log Likelihood		-1952.8217	
AIC (smaller is better)		3917.6434	
AICC (smaller is better)		3917.7280	
BIC (smaller is better)		3947.0899	

WARNING: The relative Hessian convergence criterion of 0.8099708254 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008497	-0.000564	0.0000442	-0.000032	-0.000299	0
Prm2	-0.000564	0.001306	-2.369E-6	0.0000202	0.0000295	0
Prm3	0.0000442	-2.369E-6	0.0004965	-0.000495	-0.000044	0
Prm4	-0.000032	0.0000202	-0.000495	0.001263	0.0000327	0
Prm5	-0.000299	0.0000295	-0.000044	0.0000327	0.0002830	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2190	0.0292	1.1619	1.2761	1748.74	<.0001
A	1	-0.0660	0.0361	-0.1368	0.0049	3.33	0.0679
M_cont	1	-0.0138	0.0223	-0.0575	0.0299	0.38	0.5359
int	1	-0.1240	0.0355	-0.1936	-0.0543	12.17	0.0005
C	1	-0.0320	0.0168	-0.0650	0.0010	3.62	0.0571
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02372	-0.094293	0.10255	0.10850
2	1.02372	0.002955	-0.00194	-0.00103
3	1.02372	-0.001937	0.00430	0.00010
4	1.02372	-0.001027	0.00010	0.00093

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1003.8224	1.0089
Scaled Deviance	995	1003.8224	1.0089
Pearson Chi-Square	995	922.2426	0.9269
Scaled Pearson X2	995	922.2426	0.9269
Log Likelihood		368.7979	
Full Log Likelihood		-1907.9678	
AIC (smaller is better)		3827.9356	
AICC (smaller is better)		3828.0202	
BIC (smaller is better)		3857.3822	

WARNING: The relative Hessian convergence criterion of 34.814112591 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008550	-0.000560	0.0000519	-0.000023	-0.000309	0
Prm2	-0.000560	0.001364	9.9544E-8	-0.000061	0.0000125	0
Prm3	0.0000519	9.9544E-8	0.0005403	-0.000535	-0.000055	0
Prm4	-0.000023	-0.000061	-0.000535	0.001340	0.0000252	0
Prm5	-0.000309	0.0000125	-0.000055	0.0000252	0.0003114	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1526	0.0292	1.0953	1.2099	1553.80	<.0001
A	1	0.0101	0.0369	-0.0623	0.0824	0.07	0.7853
M_cont	1	-0.0308	0.0232	-0.0763	0.0148	1.75	0.1857
int	1	-0.0604	0.0366	-0.1321	0.0114	2.72	0.0991
C	1	-0.0340	0.0176	-0.0686	0.0006	3.71	0.0542
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.00513	-0.10687	0.13188	0.14391
2	1.00513	0.00270	-0.00172	-0.00097
3	1.00513	-0.00172	0.00420	0.00003
4	1.00513	-0.00097	0.00003	0.00094

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1065.9520	1.0713
Scaled Deviance	995	1065.9520	1.0713
Pearson Chi-Square	995	977.2410	0.9822
Scaled Pearson X2	995	977.2410	0.9822
Log Likelihood		525.5923	
Full Log Likelihood		-1955.3329	
AIC (smaller is better)		3922.6657	
AICC (smaller is better)		3922.7503	
BIC (smaller is better)		3952.1122	

WARNING: The relative Hessian convergence criterion of 2.5644813292 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009344	-0.000592	0.0000726	-0.000051	-0.000348	0
Prm2	-0.000592	0.001286	-0.000021	0.0000169	0.0000405	0
Prm3	0.0000726	-0.000021	0.0004890	-0.000486	-0.000052	0
Prm4	-0.000051	0.0000169	-0.000486	0.001137	0.0000327	0
Prm5	-0.000348	0.0000405	-0.000052	0.0000327	0.0003121	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2090	0.0306	1.1491	1.2689	1564.18	<.0001
A	1	-0.0673	0.0359	-0.1376	0.0029	3.53	0.0604
M_cont	1	-0.0433	0.0221	-0.0867	0.0000	3.84	0.0501
int	1	-0.0519	0.0337	-0.1179	0.0142	2.36	0.1241
C	1	-0.0154	0.0177	-0.0500	0.0192	0.76	0.3831
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05419	-0.13701	0.10661	0.14038
2	1.05419	0.00339	-0.00215	-0.00123
3	1.05419	-0.00215	0.00452	0.00014
4	1.05419	-0.00123	0.00014	0.00108

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1068.6375	1.0740
Scaled Deviance	995	1068.6375	1.0740
Pearson Chi-Square	995	996.6052	1.0016
Scaled Pearson X2	995	996.6052	1.0016
Log Likelihood		342.2863	
Full Log Likelihood		-1935.4894	
AIC (smaller is better)		3882.9788	
AICC (smaller is better)		3883.0634	
BIC (smaller is better)		3912.4253	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009166	-0.000596	0.0000905	-0.000042	-0.000338	1.6309E-6
Prm2	-0.000596	0.001395	-0.000024	-0.000056	0.0000161	7.6666E-7
Prm3	0.0000905	-0.000024	0.0005561	-0.000546	-0.000070	1.2074E-6
Prm4	-0.000042	-0.000056	-0.000546	0.001239	0.0000213	-3.329E-6
Prm5	-0.000338	0.0000161	-0.000070	0.0000213	0.0003382	-1.772E-6
Dispersion	1.6309E-6	7.6666E-7	1.2074E-6	-3.329E-6	-1.772E-6	0.0002178

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1930	0.0303	1.1336	1.2523	1552.69	<.0001
A	1	-0.0076	0.0373	-0.0807	0.0656	0.04	0.8397
M_cont	1	-0.0115	0.0236	-0.0577	0.0347	0.24	0.6261
int	1	-0.0356	0.0352	-0.1045	0.0334	1.02	0.3123
C	1	-0.0767	0.0184	-0.1127	-0.0406	17.37	<.0001
Dispersion	1	0.0069	0.0148	0.0001	0.4656		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03305	-0.21894	0.19148	0.19529
2	1.03305	0.00303	-0.00188	-0.00111
3	1.03305	-0.00188	0.00438	0.00004
4	1.03305	-0.00111	0.00004	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	995.1966	1.0002
Scaled Deviance	995	995.1966	1.0002
Pearson Chi-Square	995	920.4333	0.9251
Scaled Pearson X2	995	920.4333	0.9251
Log Likelihood		297.9813	
Full Log Likelihood		-1890.8909	
AIC (smaller is better)		3793.7818	
AICC (smaller is better)		3793.8664	
BIC (smaller is better)		3823.2283	

WARNING: The relative Hessian convergence criterion of 0.0001964898 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009469	-0.000620	0.0000866	-0.000027	-0.000353	2.2118E-8
Prm2	-0.000620	0.001364	-0.000046	2.5359E-6	0.0000204	-1.073E-8
Prm3	0.0000866	-0.000046	0.0005794	-0.0000572	-0.000044	-1.633E-8
Prm4	-0.000027	2.5359E-6	-0.0000572	0.001216	-0.000018	1.6725E-7
Prm5	-0.000353	0.0000204	-0.000044	-0.000018	0.0003604	-2.67E-8
Dispersion	2.2118E-8	-1.073E-8	-1.633E-8	1.6725E-7	-2.67E-8	3.953E-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	1.1305	0.0308	1.0702	1.1908	1349.67	<.0001
A	1	0.0243	0.0369	-0.0481	0.0967	0.43	0.5101
M_cont	1	-0.0432	0.0241	-0.0904	0.0040	3.22	0.0727
int	1	-0.0535	0.0349	-0.1219	0.0148	2.36	0.1247
C	1	-0.0426	0.0190	-0.0798	-0.0054	5.04	0.0247
Dispersion	1	0.0000	0.0020	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04285	-0.20922	0.21684	0.18039
2	1.04285	0.00311	-0.00196	-0.00116
3	1.04285	-0.00196	0.00442	0.00003
4	1.04285	-0.00116	0.00003	0.00113

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1069.5927	1.0750
Scaled Deviance	995	1069.5927	1.0750
Pearson Chi-Square	995	979.0179	0.9839
Scaled Pearson X2	995	979.0179	0.9839
Log Likelihood		478.2387	
Full Log Likelihood		-1947.8054	
AIC (smaller is better)		3907.6108	
AICC (smaller is better)		3907.6954	
BIC (smaller is better)		3937.0574	

WARNING: The relative Hessian convergence criterion of 2.9036861217 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008548	-0.000533	0.0001121	-0.000068	-0.000310	0
Prm2	-0.000533	0.001320	-0.000042	-0.000014	-0.000012	0
Prm3	0.0001121	-0.000042	0.0005041	-0.000495	-0.000067	0
Prm4	-0.000068	-0.000014	-0.000495	0.001125	0.0000235	0
Prm5	-0.000310	-0.000012	-0.000067	0.0000235	0.0003104	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2163	0.0292	1.1590	1.2736	1730.62	<.0001
A	1	-0.0700	0.0363	-0.1412	0.0012	3.71	0.0541
M_cont	1	-0.0291	0.0225	-0.0731	0.0149	1.68	0.1944
int	1	-0.0783	0.0335	-0.1441	-0.0126	5.45	0.0196
C	1	-0.0327	0.0176	-0.0673	0.0018	3.45	0.0632
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05353	-0.26255	0.26362	0.20616
2	1.05353	0.00306	-0.00189	-0.00107
3	1.05353	-0.00189	0.00452	-0.00008
4	1.05353	-0.00107	-0.00008	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1060.6605	1.0660
Scaled Deviance	995	1060.6605	1.0660
Pearson Chi-Square	995	993.1291	0.9981
Scaled Pearson X2	995	993.1291	0.9981
Log Likelihood		345.7449	
Full Log Likelihood		-1927.6663	
AIC (smaller is better)		3867.3327	
AICC (smaller is better)		3867.4173	
BIC (smaller is better)		3896.7792	

WARNING: The relative Hessian convergence criterion of 0.2531031822 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008790	-0.000596	0.0000823	-0.000036	-0.000316	0
Prm2	-0.000596	0.001358	-0.000037	0.0000298	0.0000266	0
Prm3	0.0000823	-0.000037	0.0005367	-0.000529	-0.000051	0
Prm4	-0.000036	0.0000298	-0.000529	0.001195	2.9277E-6	0
Prm5	-0.000316	0.0000266	-0.000051	2.9277E-6	0.0003234	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1752	0.0296	1.1171	1.2333	1571.09	<.0001
A	1	-0.0278	0.0368	-0.1001	0.0444	0.57	0.4499
M_cont	1	-0.0041	0.0232	-0.0495	0.0413	0.03	0.8599
int	1	-0.0887	0.0346	-0.1565	-0.0210	6.58	0.0103
C	1	-0.0528	0.0180	-0.0880	-0.0175	8.60	0.0034
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04439	-0.22218	0.18265	0.16893
2	1.04439	0.00300	-0.00197	-0.00107
3	1.04439	-0.00197	0.00446	0.00007
4	1.04439	-0.00107	0.00007	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1021.5788	1.0267
Scaled Deviance	995	1021.5788	1.0267
Pearson Chi-Square	995	942.4342	0.9472
Scaled Pearson X2	995	942.4342	0.9472
Log Likelihood		419.5785	
Full Log Likelihood		-1921.8862	
AIC (smaller is better)		3855.7725	
AICC (smaller is better)		3855.8571	
BIC (smaller is better)		3885.2190	

WARNING: The relative Hessian convergence criterion of 24.170730593 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0007755	-0.000543	0.0000403	-1.601E-6	-0.000246	0
Prm2	-0.000543	0.001333	-8.694E-6	-0.000068	-0.000015	0
Prm3	0.0000403	-8.694E-6	0.0004490	-0.000444	-0.000033	0
Prm4	-1.601E-6	-0.000068	-0.000444	0.001156	-9.975E-6	0
Prm5	-0.000246	-0.000015	-0.000033	-9.975E-6	0.0002764	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2018	0.0278	1.1472	1.2563	1862.29	<.0001
A	1	-0.0430	0.0365	-0.1146	0.0286	1.39	0.2388
M_cont	1	-0.0127	0.0212	-0.0542	0.0288	0.36	0.5486
int	1	-0.0539	0.0340	-0.1206	0.0127	2.51	0.1128
C	1	-0.0495	0.0166	-0.0821	-0.0169	8.86	0.0029
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07752	-0.13386	0.18117	0.14075
2	1.07752	0.00294	-0.00198	-0.00093
3	1.07752	-0.00198	0.00473	-0.00008
4	1.07752	-0.00093	-0.00008	0.00098

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1076.7855	1.0822
Scaled Deviance	995	1076.7855	1.0822
Pearson Chi-Square	995	995.3853	1.0004
Scaled Pearson X2	995	995.3853	1.0004
Log Likelihood		547.1324	
Full Log Likelihood		-1974.8954	
AIC (smaller is better)		3961.7908	
AICC (smaller is better)		3961.8754	
BIC (smaller is better)		3991.2373	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0007729	-0.000523	0.0000687	-0.000050	-0.000267	4.0805E-7
Prm2	-0.000523	0.001349	-0.000035	-0.000056	-0.000016	-1.181E-6
Prm3	0.0000687	-0.000035	0.0005255	-0.000523	-0.000036	1.1712E-7
Prm4	-0.000050	-0.000056	-0.000523	0.001199	0.0000150	7.4055E-6
Prm5	-0.000267	-0.000016	-0.000036	0.0000150	0.0003012	-5.357E-7
Dispersion	4.0805E-7	-1.181E-6	1.1712E-7	7.4055E-6	-5.357E-7	0.0002054

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2327	0.0278	1.1782	1.2872	1966.20	<.0001
A	1	-0.0311	0.0367	-0.1031	0.0409	0.72	0.3972
M_cont	1	-0.0047	0.0229	-0.0496	0.0402	0.04	0.8377
int	1	-0.0849	0.0346	-0.1527	-0.0170	6.01	0.0143
C	1	-0.0502	0.0174	-0.0842	-0.0162	8.36	0.0038
Dispersion	1	0.0085	0.0143	0.0003	0.2311		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04324	-0.15270	0.29786	0.098650
2	1.04324	0.00274	-0.00179	-0.000946
3	1.04324	-0.00179	0.00449	-0.000070
4	1.04324	-0.00095	-0.00007	0.001013

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1027.2626	1.0324
Scaled Deviance	995	1027.2626	1.0324
Pearson Chi-Square	995	952.8991	0.9577
Scaled Pearson X2	995	952.8991	0.9577
Log Likelihood		436.7427	
Full Log Likelihood		-1928.7069	
AIC (smaller is better)		3869.4139	
AICC (smaller is better)		3869.4985	
BIC (smaller is better)		3898.8604	

WARNING: The relative Hessian convergence criterion of 12.855120451 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008753	-0.000604	0.0001266	-0.000086	-0.000327	0
Prm2	-0.000604	0.001338	-0.000054	-0.000014	0.0000521	0
Prm3	0.0001266	-0.000054	0.0005191	-0.000508	-0.000087	0
Prm4	-0.000086	-0.000014	-0.000508	0.001133	0.0000462	0
Prm5	-0.000327	0.0000521	-0.000087	0.0000462	0.0003313	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1625	0.0296	1.1045	1.2205	1543.85	<.0001
A	1	0.0128	0.0366	-0.0589	0.0845	0.12	0.7266
M_cont	1	-0.0419	0.0228	-0.0866	0.0027	3.39	0.0657
int	1	-0.0359	0.0337	-0.1019	0.0300	1.14	0.2858
C	1	-0.0290	0.0182	-0.0647	0.0066	2.55	0.1106
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04478	-0.25449	0.25307	0.22505
2	1.04478	0.00296	-0.00200	-0.00108
3	1.04478	-0.00200	0.00451	0.00014
4	1.04478	-0.00108	0.00014	0.00107

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1075.4038	1.0808
Scaled Deviance	995	1075.4038	1.0808
Pearson Chi-Square	995	990.7752	0.9958
Scaled Pearson X2	995	990.7752	0.9958
Log Likelihood		544.5240	
Full Log Likelihood		-1962.8823	
AIC (smaller is better)		3937.7647	
AICC (smaller is better)		3937.8492	
BIC (smaller is better)		3967.2112	

WARNING: The relative Hessian convergence criterion of 0.6247744161 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008183	-0.000543	0.0000733	-0.000051	-0.000291	0
Prm2	-0.000543	0.001284	-0.000029	0.0000244	7.3808E-6	0
Prm3	0.0000733	-0.000029	0.0005246	-0.000521	-0.000047	0
Prm4	-0.000051	0.0000244	-0.000521	0.001154	0.0000241	0
Prm5	-0.000291	7.3808E-6	-0.000047	0.0000241	0.0002986	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2265	0.0286	1.1704	1.2825	1838.22	<.0001
A	1	-0.0832	0.0358	-0.1535	-0.0130	5.39	0.0202
M_cont	1	-0.0467	0.0229	-0.0915	-0.0018	4.15	0.0417
int	1	-0.0341	0.0340	-0.1006	0.0325	1.01	0.3160
C	1	-0.0244	0.0173	-0.0583	0.0095	1.99	0.1580
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04493	-0.13459	0.10913	0.13298
2	1.04493	0.00297	-0.00196	-0.00103
3	1.04493	-0.00196	0.00444	0.00002
4	1.04493	-0.00103	0.00002	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	976.4441	0.9814
Scaled Deviance	995	976.4441	0.9814
Pearson Chi-Square	995	893.0861	0.8976
Scaled Pearson X2	995	893.0861	0.8976
Log Likelihood		404.6669	
Full Log Likelihood		-1902.6750	
AIC (smaller is better)		3817.3500	
AICC (smaller is better)		3817.4346	
BIC (smaller is better)		3846.7965	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008950	-0.000549	0.0000928	-0.000032	-0.000348	-2.29E-10
Prm2	-0.000549	0.001362	-0.000017	-0.000036	0.0000159	4.512E-10
Prm3	0.0000928	-0.000017	0.0005532	-0.000540	-0.000076	-9.48E-10
Prm4	-0.000032	-0.000036	-0.000540	0.001274	0.0000182	-2.23E-10
Prm5	-0.000348	0.0000159	-0.000076	0.0000182	0.0003339	8.143E-11
Dispersion	-2.29E-10	4.512E-10	-9.48E-10	-2.23E-10	8.143E-11	2.2174E-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	1.1596	0.0299	1.1010	1.2183	1502.46	<.0001
A	1	-0.1094	0.0369	-0.1817	-0.0370	8.78	0.0030
M_cont	1	-0.0170	0.0235	-0.0631	0.0291	0.52	0.4689
int	1	-0.0399	0.0357	-0.1099	0.0300	1.25	0.2635
C	1	0.0151	0.0183	-0.0207	0.0509	0.68	0.4096
Dispersion	1	0.0000	0.0005	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.00357	-0.22861	0.14528	0.21219
2	1.00357	0.00278	-0.00176	-0.00102
3	1.00357	-0.00176	0.00413	0.00002
4	1.00357	-0.00102	0.00002	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1034.9947	1.0402
Scaled Deviance	995	1034.9947	1.0402
Pearson Chi-Square	995	941.6953	0.9464
Scaled Pearson X2	995	941.6953	0.9464
Log Likelihood		479.2437	
Full Log Likelihood		-1935.6703	
AIC (smaller is better)		3883.3405	
AICC (smaller is better)		3883.4251	
BIC (smaller is better)		3912.7871	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008757	-0.000570	0.0000654	-0.000024	-0.000308	3.25E-10
Prm2	-0.000570	0.001299	-0.000027	0.0000239	0.0000155	-5.41E-11
Prm3	0.0000654	-0.000027	0.0004743	-0.000469	-0.000038	4.162E-11
Prm4	-0.000024	0.0000239	-0.000469	0.001091	-1.498E-6	3.877E-10
Prm5	-0.000308	0.0000155	-0.000038	-1.498E-6	0.0002952	-3.04E-10
Dispersion	3.25E-10	-5.41E-11	4.162E-11	3.877E-10	-3.04E-10	2.8156E-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	1.1626	0.0296	1.1046	1.2206	1543.48	<.0001
A	1	0.0067	0.0360	-0.0640	0.0773	0.03	0.8528
M_cont	1	-0.0146	0.0218	-0.0573	0.0281	0.45	0.5018
int	1	-0.0935	0.0330	-0.1583	-0.0288	8.02	0.0046
C	1	-0.0136	0.0172	-0.0473	0.0201	0.63	0.4286
Dispersion	1	0.0000	0.0002	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.08035	-0.18793	0.17333	0.14519
2	1.08035	0.00322	-0.00207	-0.00113
3	1.08035	-0.00207	0.00477	0.00004
4	1.08035	-0.00113	0.00004	0.00107

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1050.6636	1.0559
Scaled Deviance	995	1050.6636	1.0559
Pearson Chi-Square	995	966.1031	0.9710
Scaled Pearson X2	995	966.1031	0.9710
Log Likelihood		312.8791	
Full Log Likelihood		-1916.2051	
AIC (smaller is better)		3844.4101	
AICC (smaller is better)		3844.4947	
BIC (smaller is better)		3873.8566	

WARNING: The relative Hessian convergence criterion of 4.0416001538 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008994	-0.000561	0.0000816	-0.000025	-0.000344	0
Prm2	-0.000561	0.001399	-0.000016	-0.000074	7.7672E-6	0
Prm3	0.0000816	-0.000016	0.0005304	-0.000520	-0.000067	0
Prm4	-0.000025	-0.000074	-0.000520	0.001251	0.0000108	0
Prm5	-0.000344	7.7672E-6	-0.000067	0.0000108	0.0003416	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1633	0.0300	1.1045	1.2221	1504.58	<.0001
A	1	-0.0576	0.0374	-0.1309	0.0157	2.37	0.1234
M_cont	1	-0.0081	0.0230	-0.0533	0.0370	0.12	0.7240
int	1	-0.0775	0.0354	-0.1469	-0.0082	4.80	0.0284
C	1	-0.0322	0.0185	-0.0684	0.0040	3.04	0.0814
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03663	-0.22434	0.23609	0.20415
2	1.03663	0.00298	-0.00182	-0.00110
3	1.03663	-0.00182	0.00442	-0.00002
4	1.03663	-0.00110	-0.00002	0.00106

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1002.0569	1.0071
Scaled Deviance	995	1002.0569	1.0071
Pearson Chi-Square	995	927.3438	0.9320
Scaled Pearson X2	995	927.3438	0.9320
Log Likelihood		370.5520	
Full Log Likelihood		-1906.5843	
AIC (smaller is better)		3825.1686	
AICC (smaller is better)		3825.2532	
BIC (smaller is better)		3854.6151	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009001	-0.000547	0.0000788	-0.000048	-0.000349	1.0318E-9
Prm2	-0.000547	0.001376	-7.03E-6	-0.000045	9.0915E-6	5.0618E-9
Prm3	0.0000788	-7.03E-6	0.0005380	-0.000532	-0.000071	3.287E-9
Prm4	-0.000048	-0.000045	-0.000532	0.001270	0.0000415	1.1499E-8
Prm5	-0.000349	9.0915E-6	-0.000071	0.0000415	0.0003360	-3.622E-9
Dispersion	1.0318E-9	5.0618E-9	3.287E-9	1.1499E-8	-3.622E-9	1.3347E-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	1.1785	0.0300	1.1197	1.2373	1543.00	<.0001
A	1	-0.0516	0.0371	-0.1243	0.0211	1.93	0.1644
M_cont	1	-0.0089	0.0232	-0.0544	0.0365	0.15	0.7006
int	1	-0.0904	0.0356	-0.1602	-0.0205	6.43	0.0112
C	1	-0.0335	0.0183	-0.0694	0.0024	3.34	0.0677
Dispersion	1	0.0000	0.0012	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.01890	-0.18122	0.18035	0.17485
2	1.01890	0.00294	-0.00177	-0.00111
3	1.01890	-0.00177	0.00430	0.00002
4	1.01890	-0.00111	0.00002	0.00103

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1036.8379	1.0420
Scaled Deviance	995	1036.8379	1.0420
Pearson Chi-Square	995	943.9727	0.9487
Scaled Pearson X2	995	943.9727	0.9487
Log Likelihood		388.2628	
Full Log Likelihood		-1921.7734	
AIC (smaller is better)		3855.5467	
AICC (smaller is better)		3855.6313	
BIC (smaller is better)		3884.9933	

WARNING: The relative Hessian convergence criterion of 19.433889296 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008313	-0.000514	0.0000562	-0.000015	-0.000318	0
Prm2	-0.000514	0.001377	9.4669E-7	-0.000044	-0.000016	0
Prm3	0.0000562	9.4669E-7	0.0005227	-0.000515	-0.000057	0
Prm4	-0.000015	-0.000044	-0.000515	0.001214	0.0000135	0
Prm5	-0.000318	-0.000016	-0.000057	0.0000135	0.0003338	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1850	0.0288	1.1285	1.2415	1689.21	<.0001
A	1	-0.0630	0.0371	-0.1357	0.0098	2.88	0.0897
M_cont	1	-0.0308	0.0229	-0.0756	0.0140	1.82	0.1775
int	1	-0.0412	0.0348	-0.1095	0.0271	1.40	0.2370
C	1	-0.0337	0.0183	-0.0695	0.0021	3.41	0.0650
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03847	-0.13499	0.11168	0.17095
2	1.03847	0.00287	-0.00174	-0.00107
3	1.03847	-0.00174	0.00449	-0.00007
4	1.03847	-0.00107	-0.00007	0.00108

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1009.5067	1.0146
Scaled Deviance	995	1009.5067	1.0146
Pearson Chi-Square	995	931.2783	0.9360
Scaled Pearson X2	995	931.2783	0.9360
Log Likelihood		532.1620	
Full Log Likelihood		-1932.5445	
AIC (smaller is better)		3877.0891	
AICC (smaller is better)		3877.1737	
BIC (smaller is better)		3906.5356	

WARNING: The relative Hessian convergence criterion of 20.495689718 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008209	-0.000525	0.0000687	-0.000038	-0.000301	0
Prm2	-0.000525	0.001295	-3.893E-7	0.0000165	-5.625E-6	0
Prm3	0.0000687	-3.893E-7	0.0005317	-0.000525	-0.000069	0
Prm4	-0.000038	0.0000165	-0.000525	0.001182	0.0000373	0
Prm5	-0.000301	-5.625E-6	-0.000069	0.0000373	0.0003111	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2157	0.0287	1.1595	1.2718	1800.39	<.0001
A	1	-0.0808	0.0360	-0.1514	-0.0103	5.05	0.0247
M_cont	1	-0.0089	0.0231	-0.0541	0.0363	0.15	0.7002
int	1	-0.1227	0.0344	-0.1901	-0.0553	12.73	0.0004
C	1	-0.0177	0.0176	-0.0523	0.0168	1.01	0.3150
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02360	-0.15876	0.11475	0.17094
2	1.02360	0.00282	-0.00181	-0.00099
3	1.02360	-0.00181	0.00427	-0.00003
4	1.02360	-0.00099	-0.00003	0.00101

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	994.1603	0.9992
Scaled Deviance	995	994.1603	0.9992
Pearson Chi-Square	995	917.4306	0.9220
Scaled Pearson X2	995	917.4306	0.9220
Log Likelihood		360.9136	
Full Log Likelihood		-1900.9941	
AIC (smaller is better)		3813.9881	
AICC (smaller is better)		3814.0727	
BIC (smaller is better)		3843.4346	

WARNING: The relative Hessian convergence criterion of 40.505763992 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009201	-0.000534	0.0001038	-0.000036	-0.000364	0
Prm2	-0.000534	0.001373	-0.000019	-0.000018	-0.000011	0
Prm3	0.0001038	-0.000019	0.0005198	-0.0000505	-0.000080	0
Prm4	-0.000036	-0.000018	-0.0000505	0.001148	0.0000146	0
Prm5	-0.000364	-0.000011	-0.000080	0.0000146	0.0003540	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1532	0.0303	1.0938	1.2127	1445.38	<.0001
A	1	-0.0242	0.0370	-0.0969	0.0484	0.43	0.5130
M_cont	1	-0.0269	0.0228	-0.0715	0.0178	1.39	0.2388
int	1	-0.0800	0.0339	-0.1464	-0.0136	5.57	0.0183
C	1	-0.0224	0.0188	-0.0593	0.0145	1.42	0.2335
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05669	-0.27551	0.19338	0.25558
2	1.05669	0.00314	-0.00180	-0.00120
3	1.05669	-0.00180	0.00463	-0.00008
4	1.05669	-0.00120	-0.00008	0.00114

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1016.2118	1.0213
Scaled Deviance	995	1016.2118	1.0213
Pearson Chi-Square	995	958.0439	0.9629
Scaled Pearson X2	995	958.0439	0.9629
Log Likelihood		361.3710	
Full Log Likelihood		-1910.2596	
AIC (smaller is better)		3832.5192	
AICC (smaller is better)		3832.6038	
BIC (smaller is better)		3861.9657	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008818	-0.000577	0.0001057	-0.000065	-0.000317	2.0721E-9
Prm2	-0.000577	0.001363	-0.000037	0.0000549	0.0000173	1.4691E-9
Prm3	0.0001057	-0.000037	0.0005652	-0.0000556	-0.000071	3.489E-9
Prm4	-0.000065	0.0000549	-0.0000556	0.001205	0.0000310	1.406E-9
Prm5	-0.000317	0.0000173	-0.000071	0.0000310	0.0003118	-2.64E-9
Dispersion	2.0721E-9	1.4691E-9	3.489E-9	1.406E-9	-2.64E-9	2.9427E-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	1.1989	0.0297	1.1407	1.2571	1630.11	<.0001
A	1	-0.0643	0.0369	-0.1367	0.0081	3.03	0.0816
M_cont	1	-0.0111	0.0238	-0.0577	0.0355	0.22	0.6402
int	1	-0.1160	0.0347	-0.1840	-0.0480	11.17	0.0008
C	1	-0.0566	0.0177	-0.0912	-0.0220	10.28	0.0013
Dispersion	1	0.0000	0.0005	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03941	-0.24119	0.17952	0.19131
2	1.03941	0.00302	-0.00193	-0.00106
3	1.03941	-0.00193	0.00442	0.00004
4	1.03941	-0.000106	0.00004	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1012.5522	1.0176
Scaled Deviance	995	1012.5522	1.0176
Pearson Chi-Square	995	936.8081	0.9415
Scaled Pearson X2	995	936.8081	0.9415
Log Likelihood		530.6175	
Full Log Likelihood		-1936.1590	
AIC (smaller is better)		3884.3181	
AICC (smaller is better)		3884.4027	
BIC (smaller is better)		3913.7646	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009060	-0.000583	0.0000791	-0.000032	-0.000326	2.2101E-9
Prm2	-0.000583	0.001278	-0.000050	0.0000699	0.0000198	2.5272E-8
Prm3	0.0000791	-0.000050	0.0005018	-0.000498	-0.000030	3.1105E-8
Prm4	-0.000032	0.0000699	-0.000498	0.001072	-0.000015	3.5932E-8
Prm5	-0.000326	0.0000198	-0.000030	-0.000015	0.0003096	-1.223E-8
Dispersion	2.2101E-9	2.5272E-8	3.1105E-8	3.5932E-8	-1.223E-8	2.9529E-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	1.2166	0.0301	1.1576	1.2756	1633.76	<.0001
A	1	-0.0265	0.0357	-0.0966	0.0435	0.55	0.4581
M_cont	1	-0.0294	0.0224	-0.0733	0.0145	1.72	0.1900
int	1	-0.0722	0.0327	-0.1364	-0.0080	4.86	0.0275
C	1	-0.0415	0.0176	-0.0760	-0.0070	5.57	0.0183
Dispersion	1	0.0000	0.0017	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07621	-0.21489	0.15956	0.14304
2	1.07621	0.00342	-0.00216	-0.00122
3	1.07621	-0.00216	0.00469	0.00006
4	1.07621	-0.00122	0.00006	0.00111

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1032.3986	1.0376
Scaled Deviance	995	1032.3986	1.0376
Pearson Chi-Square	995	926.5605	0.9312
Scaled Pearson X2	995	926.5605	0.9312
Log Likelihood		507.8467	
Full Log Likelihood		-1933.2314	
AIC (smaller is better)		3878.4629	
AICC (smaller is better)		3878.5475	
BIC (smaller is better)		3907.9094	

WARNING: The relative Hessian convergence criterion of 22.660576907 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009402	-0.000544	0.0000180	0.0000278	-0.000357	0
Prm2	-0.000544	0.001287	0.0000183	-5.153E-6	-0.000014	0
Prm3	0.0000180	0.0000183	0.0005542	-0.000550	-0.000033	0
Prm4	0.0000278	-5.153E-6	-0.000550	0.001101	-0.000010	0
Prm5	-0.000357	-0.000014	-0.000033	-0.000010	0.0003335	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1678	0.0307	1.1077	1.2279	1450.63	<.0001
A	1	0.0029	0.0359	-0.0674	0.0732	0.01	0.9352
M_cont	1	0.0039	0.0235	-0.0423	0.0500	0.03	0.8697
int	1	-0.1679	0.0332	-0.2329	-0.1028	25.60	<.0001
C	1	-0.0094	0.0183	-0.0452	0.0264	0.27	0.6063
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06763	-0.12757	0.16248	0.14354
2	1.06763	0.00339	-0.00194	-0.00127
3	1.06763	-0.00194	0.00464	-0.00007
4	1.06763	-0.00127	-0.00007	0.00117

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1045.9714	1.0512
Scaled Deviance	995	1045.9714	1.0512
Pearson Chi-Square	995	941.5971	0.9463
Scaled Pearson X2	995	941.5971	0.9463
Log Likelihood		418.4551	
Full Log Likelihood		-1926.2391	
AIC (smaller is better)		3864.4782	
AICC (smaller is better)		3864.5628	
BIC (smaller is better)		3893.9247	

WARNING: The relative Hessian convergence criterion of 19.368245843 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008559	-0.000578	0.0000758	-0.000047	-0.000289	0
Prm2	-0.000578	0.001318	-0.000032	-0.000022	1.788E-6	0
Prm3	0.0000758	-0.000032	0.0005238	-0.000519	-0.000046	0
Prm4	-0.000047	-0.000022	-0.000519	0.001226	0.0000158	0
Prm5	-0.000289	1.788E-6	-0.000046	0.0000158	0.0002990	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1715	0.0293	1.1142	1.2289	1603.57	<.0001
A	1	0.0249	0.0363	-0.0462	0.0961	0.47	0.4925
M_cont	1	-0.0385	0.0229	-0.0834	0.0063	2.84	0.0922
int	1	-0.0683	0.0350	-0.1369	0.0004	3.80	0.0512
C	1	-0.0469	0.0173	-0.0808	-0.0130	7.36	0.0067
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03160	-0.14278	0.20107	0.12977
2	1.03160	0.00289	-0.00188	-0.00099
3	1.03160	-0.00188	0.00433	-0.00001
4	1.03160	-0.00099	-0.00001	0.00097

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1062.6324	1.0680
Scaled Deviance	995	1062.6324	1.0680
Pearson Chi-Square	995	995.0993	1.0001
Scaled Pearson X2	995	995.0993	1.0001
Log Likelihood		386.4347	
Full Log Likelihood		-1949.1304	
AIC (smaller is better)		3910.2608	
AICC (smaller is better)		3910.3453	
BIC (smaller is better)		3939.7073	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008391	-0.000566	0.0000555	-0.000019	-0.000295	1.5709E-6
Prm2	-0.000566	0.001406	8.9318E-6	-0.000139	-3.768E-7	-4.574E-7
Prm3	0.0000555	8.9318E-6	0.0006039	-0.000595	-0.000070	-2.747E-8
Prm4	-0.000019	-0.000139	-0.000595	0.001344	0.0000298	2.059E-6
Prm5	-0.000295	-3.768E-7	-0.000070	0.0000298	0.0003182	-1.639E-6
Dispersion	1.5709E-6	-4.574E-7	-2.747E-8	2.059E-6	-1.639E-6	0.0002194

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1718	0.0290	1.1150	1.2285	1636.41	<.0001
A	1	-0.0845	0.0375	-0.1580	-0.0110	5.07	0.0243
M_cont	1	0.0227	0.0246	-0.0255	0.0709	0.85	0.3557
int	1	-0.0615	0.0367	-0.1333	0.0104	2.81	0.0936
C	1	-0.0098	0.0178	-0.0448	0.0251	0.30	0.5808
Dispersion	1	0.0095	0.0148	0.0004	0.2020		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	0.99744	-0.15834	0.21509	0.16477
2	0.99744	0.00256	-0.00172	-0.00086
3	0.99744	-0.00172	0.00406	-0.00003
4	0.99744	-0.00086	-0.00003	0.00092

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1044.7704	1.0500
Scaled Deviance	995	1044.7704	1.0500
Pearson Chi-Square	995	966.4336	0.9713
Scaled Pearson X2	995	966.4336	0.9713
Log Likelihood		449.5079	
Full Log Likelihood		-1935.6233	
AIC (smaller is better)		3883.2466	
AICC (smaller is better)		3883.3312	
BIC (smaller is better)		3912.6931	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009062	-0.000601	-3.388E-6	0.0000375	-0.000302	4.976E-10
Prm2	-0.000601	0.001297	0.0000441	-0.000086	0.0000100	-3.38E-10
Prm3	-3.388E-6	0.0000441	0.0005152	-0.000511	-0.000040	-3.01E-10
Prm4	0.0000375	-0.000086	-0.000511	0.001140	7.6638E-6	2.2572E-9
Prm5	-0.000302	0.0000100	-0.000040	7.6638E-6	0.0002884	-4.27E-10
Dispersion	4.976E-10	-3.38E-10	-3.01E-10	2.2572E-9	-4.27E-10	2.177E-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	1.1630	0.0301	1.1040	1.2220	1492.66	<.0001
A	1	0.0129	0.0360	-0.0577	0.0835	0.13	0.7207
M_cont	1	0.0160	0.0227	-0.0285	0.0605	0.49	0.4819
int	1	-0.1290	0.0338	-0.1952	-0.0628	14.60	0.0001
C	1	-0.0217	0.0170	-0.0550	0.0116	1.63	0.2021
Dispersion	1	0.0000	0.0005	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05649	-0.058520	0.12209	0.12268
2	1.05649	0.003214	-0.00208	-0.00108
3	1.05649	-0.002079	0.00450	0.00003
4	1.05649	-0.001077	0.00003	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	999.7172	1.0047
Scaled Deviance	995	999.7172	1.0047
Pearson Chi-Square	995	929.8932	0.9346
Scaled Pearson X2	995	929.8932	0.9346
Log Likelihood		530.4288	
Full Log Likelihood		-1933.4936	
AIC (smaller is better)		3878.9872	
AICC (smaller is better)		3879.0718	
BIC (smaller is better)		3908.4337	

WARNING: The relative Hessian convergence criterion of 23.571192704 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008240	-0.000496	0.0000463	-0.000015	-0.000309	0
Prm2	-0.000496	0.001300	-1.487E-6	-0.000056	-0.000036	0
Prm3	0.0000463	-1.487E-6	0.0004756	-0.000471	-0.000042	0
Prm4	-0.000015	-0.000056	-0.000471	0.001140	9.256E-6	0
Prm5	-0.000309	-0.000036	-0.000042	9.256E-6	0.0003259	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2005	0.0287	1.1443	1.2568	1749.17	<.0001
A	1	-0.0455	0.0361	-0.1162	0.0251	1.60	0.2066
M_cont	1	-0.0642	0.0218	-0.1069	-0.0214	8.66	0.0032
int	1	0.0100	0.0338	-0.0562	0.0761	0.09	0.7678
C	1	-0.0145	0.0181	-0.0499	0.0208	0.65	0.4204
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05445	-0.072205	0.077408	0.13745
2	1.05445	0.003000	-0.001802	-0.00110
3	1.05445	-0.001802	0.004568	-0.00013
4	1.05445	-0.001101	-0.000132	0.00113

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1066.7284	1.0721
Scaled Deviance	995	1066.7284	1.0721
Pearson Chi-Square	995	997.1764	1.0022
Scaled Pearson X2	995	997.1764	1.0022
Log Likelihood		454.3633	
Full Log Likelihood		-1952.2185	
AIC (smaller is better)		3916.4371	
AICC (smaller is better)		3916.5217	
BIC (smaller is better)		3945.8836	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009235	-0.000589	0.0000698	-0.000046	-0.000356	-1.587E-7
Prm2	-0.000589	0.001331	-0.000017	4.059E-6	0.0000334	2.3514E-7
Prm3	0.0000698	-0.000017	0.0005597	-0.0000556	-0.000056	5.661E-7
Prm4	-0.000046	4.059E-6	-0.000556	0.001203	0.0000336	7.5298E-6
Prm5	-0.000356	0.0000334	-0.000056	0.0000336	0.0003433	-2.344E-7
Dispersion	-1.587E-7	2.3514E-7	5.661E-7	7.5298E-6	-2.344E-7	0.0002130

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1874	0.0304	1.1279	1.2470	1526.79	<.0001
A	1	-0.0508	0.0365	-0.1223	0.0208	1.93	0.1642
M_cont	1	-0.0398	0.0237	-0.0862	0.0066	2.83	0.0926
int	1	-0.0803	0.0347	-0.1483	-0.0123	5.36	0.0206
C	1	-0.0209	0.0185	-0.0572	0.0154	1.27	0.2599
Dispersion	1	0.0032	0.0146	0.0000	25.7270		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03405	-0.13240	0.15064	0.14588
2	1.03405	0.00313	-0.00199	-0.00118
3	1.03405	-0.000199	0.00437	0.00010
4	1.03405	-0.000118	0.00010	0.00111

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1050.6091	1.0559
Scaled Deviance	995	1050.6091	1.0559
Pearson Chi-Square	995	970.7480	0.9756
Scaled Pearson X2	995	970.7480	0.9756
Log Likelihood		457.4448	
Full Log Likelihood		-1938.7053	
AIC (smaller is better)		3889.4106	
AICC (smaller is better)		3889.4952	
BIC (smaller is better)		3918.8571	

WARNING: The relative Hessian convergence criterion of 5.911496952 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008571	-0.000543	0.0001036	-0.000065	-0.000309	0
Prm2	-0.000543	0.001323	-0.000047	0.0000420	-4.176E-6	0
Prm3	0.0001036	-0.000047	0.0004803	-0.000473	-0.000056	0
Prm4	-0.000065	0.0000420	-0.000473	0.001173	0.0000175	0
Prm5	-0.000309	-4.176E-6	-0.000056	0.0000175	0.0003080	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1660	0.0293	1.1086	1.2233	1586.06	<.0001
A	1	-0.0347	0.0364	-0.1060	0.0366	0.91	0.3400
M_cont	1	-0.0461	0.0219	-0.0890	-0.0031	4.42	0.0355
int	1	-0.0668	0.0342	-0.1339	0.0004	3.80	0.0512
C	1	-0.0081	0.0176	-0.0425	0.0263	0.21	0.6453
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05285	-0.21786	0.17306	0.17143
2	1.05285	0.00297	-0.00188	-0.00105
3	1.05285	-0.00188	0.00454	-0.00004
4	1.05285	-0.00105	-0.00004	0.00104

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1019.3560	1.0245
Scaled Deviance	995	1019.3560	1.0245
Pearson Chi-Square	995	931.1056	0.9358
Scaled Pearson X2	995	931.1056	0.9358
Log Likelihood		432.2834	
Full Log Likelihood		-1919.9237	
AIC (smaller is better)		3851.8474	
AICC (smaller is better)		3851.9319	
BIC (smaller is better)		3881.2939	

WARNING: The relative Hessian convergence criterion of 22.643915919 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008027	-0.000530	0.0000736	-0.000037	-0.000294	0
Prm2	-0.000530	0.001364	-0.000010	-0.000056	6.1961E-6	0
Prm3	0.0000736	-0.000010	0.0005543	-0.000546	-0.000068	0
Prm4	-0.000037	-0.000056	-0.000546	0.001183	0.0000292	0
Prm5	-0.000294	6.1961E-6	-0.000068	0.0000292	0.0003111	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1942	0.0283	1.1387	1.2497	1776.76	<.0001
A	1	-0.0159	0.0369	-0.0883	0.0565	0.19	0.6670
M_cont	1	-0.0265	0.0235	-0.0727	0.0196	1.27	0.2599
int	1	-0.0772	0.0344	-0.1446	-0.0098	5.03	0.0249
C	1	-0.0480	0.0176	-0.0826	-0.0134	7.41	0.0065
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03152	-0.16363	0.22481	0.18243
2	1.03152	0.00275	-0.00176	-0.00099
3	1.03152	-0.00176	0.00446	0.00000
4	1.03152	-0.00099	0.00000	0.00099

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1098.8691	1.1044
Scaled Deviance	995	1098.8691	1.1044
Pearson Chi-Square	995	997.2068	1.0022
Scaled Pearson X2	995	997.2068	1.0022
Log Likelihood		394.7535	
Full Log Likelihood		-1947.3371	
AIC (smaller is better)		3906.6741	
AICC (smaller is better)		3906.7587	
BIC (smaller is better)		3936.1207	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009527	-0.000580	0.0000528	-0.000027	-0.000360	3.2241E-6
Prm2	-0.000580	0.001338	1.1323E-7	-0.000032	0.0000125	-3.898E-7
Prm3	0.0000528	1.1323E-7	0.0005019	-0.000498	-0.000051	4.6578E-7
Prm4	-0.000027	-0.000032	-0.000498	0.001086	0.0000272	7.3592E-6
Prm5	-0.000360	0.0000125	-0.000051	0.0000272	0.0003354	-3.245E-6
Dispersion	3.2241E-6	-3.898E-7	4.6578E-7	7.3592E-6	-3.245E-6	0.0002151

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1406	0.0309	1.0801	1.2011	1365.52	<.0001
A	1	0.0259	0.0366	-0.0458	0.0976	0.50	0.4794
M_cont	1	0.0125	0.0224	-0.0314	0.0564	0.31	0.5757
int	1	-0.1212	0.0330	-0.1858	-0.0566	13.53	0.0002
C	1	-0.0198	0.0183	-0.0557	0.0161	1.17	0.2799
Dispersion	1	0.0016	0.0147	0.0000	152258.7		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.09584	-0.16033	0.20721	0.14048
2	1.09584	0.00353	-0.00211	-0.00133
3	1.09584	-0.00211	0.00493	0.00003
4	1.09584	-0.00133	0.00003	0.00121

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1066.3271	1.0717
Scaled Deviance	995	1066.3271	1.0717
Pearson Chi-Square	995	979.5378	0.9845
Scaled Pearson X2	995	979.5378	0.9845
Log Likelihood		507.3123	
Full Log Likelihood		-1953.4833	
AIC (smaller is better)		3918.9665	
AICC (smaller is better)		3919.0511	
BIC (smaller is better)		3948.4131	

WARNING: The relative Hessian convergence criterion of 0.9126391454 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008231	-0.000522	0.0000702	-0.000031	-0.000291	0
Prm2	-0.000522	0.001308	-0.000024	-0.000013	-0.000010	0
Prm3	0.0000702	-0.000024	0.0005139	-0.000508	-0.000045	0
Prm4	-0.000031	-0.000013	-0.000508	0.001223	6.0796E-6	0
Prm5	-0.000291	-0.000010	-0.000045	6.0796E-6	0.0002920	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2043	0.0287	1.1481	1.2606	1762.15	<.0001
A	1	-0.0842	0.0362	-0.1551	-0.0133	5.42	0.0199
M_cont	1	-0.0171	0.0227	-0.0616	0.0273	0.57	0.4499
int	1	-0.0945	0.0350	-0.1630	-0.0259	7.30	0.0069
C	1	-0.0083	0.0171	-0.0418	0.0252	0.24	0.6268
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02166	-0.17619	0.19705	0.14530
2	1.02166	0.00279	-0.00178	-0.00095
3	1.02166	-0.00178	0.00426	-0.00006
4	1.02166	-0.00095	-0.00006	0.00095

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1032.6642	1.0379
Scaled Deviance	995	1032.6642	1.0379
Pearson Chi-Square	995	947.5172	0.9523
Scaled Pearson X2	995	947.5172	0.9523
Log Likelihood		453.3093	
Full Log Likelihood		-1931.8621	
AIC (smaller is better)		3875.7243	
AICC (smaller is better)		3875.8089	
BIC (smaller is better)		3905.1708	

WARNING: The relative Hessian convergence criterion of 14.600865552 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008387	-0.000532	0.0000690	-0.000051	-0.000308	0
Prm2	-0.000532	0.001334	-0.000016	-8.647E-6	9.0926E-7	0
Prm3	0.0000690	-0.000016	0.0004531	-0.000450	-0.000053	0
Prm4	-0.000051	-8.647E-6	-0.000450	0.001144	0.0000354	0
Prm5	-0.000308	9.0926E-7	-0.000053	0.0000354	0.0003088	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1909	0.0290	1.1341	1.2476	1690.95	<.0001
A	1	-0.0536	0.0365	-0.1252	0.0180	2.15	0.1423
M_cont	1	-0.0092	0.0213	-0.0509	0.0325	0.19	0.6655
int	1	-0.0879	0.0338	-0.1541	-0.0216	6.75	0.0094
C	1	-0.0238	0.0176	-0.0582	0.0106	1.83	0.1757
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.07918	-0.16543	0.16773	0.14298
2	1.07918	0.00313	-0.00198	-0.00113
3	1.07918	-0.000198	0.00480	-0.00001
4	1.07918	-0.000113	-0.00001	0.00111

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1072.4422	1.0778
Scaled Deviance	995	1072.4422	1.0778
Pearson Chi-Square	995	1000.5963	1.0056
Scaled Pearson X2	995	1000.5963	1.0056
Log Likelihood		605.0739	
Full Log Likelihood		-1977.1398	
AIC (smaller is better)		3966.2796	
AICC (smaller is better)		3966.3642	
BIC (smaller is better)		3995.7261	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008112	-0.000513	0.0000955	-0.000064	-0.000292	4.3215E-7
Prm2	-0.000513	0.001305	-0.000015	-0.000079	2.2877E-6	2.5853E-7
Prm3	0.0000955	-0.000015	0.0005115	-0.0000503	-0.0000078	-1.899E-7
Prm4	-0.000064	-0.000079	-0.0000503	0.001177	0.0000481	-6.724E-7
Prm5	-0.000292	2.2877E-6	-0.000078	0.0000481	0.0002834	-4.56E-7
Dispersion	4.3215E-7	2.5853E-7	-1.899E-7	-6.724E-7	-4.56E-7	0.0001919

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1923	0.0285	1.1364	1.2481	1752.37	<.0001
A	1	0.0002	0.0361	-0.0706	0.0710	0.00	0.9951
M_cont	1	-0.0328	0.0226	-0.0772	0.0115	2.11	0.1464
int	1	-0.0426	0.0343	-0.1099	0.0246	1.54	0.2140
C	1	-0.0035	0.0168	-0.0365	0.0295	0.04	0.8350
Dispersion	1	0.0024	0.0139	0.0000	167.2373		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.02283	-0.19391	0.21687	0.19195
2	1.02283	0.00272	-0.00172	-0.00095
3	1.02283	-0.00172	0.00437	-0.00001
4	1.02283	-0.00095	-0.00001	0.00092

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	989.1017	0.9941
Scaled Deviance	995	989.1017	0.9941
Pearson Chi-Square	995	916.2812	0.9209
Scaled Pearson X2	995	916.2812	0.9209
Log Likelihood		450.1551	
Full Log Likelihood		-1913.1540	
AIC (smaller is better)		3838.3080	
AICC (smaller is better)		3838.3926	
BIC (smaller is better)		3867.7545	

WARNING: The relative Hessian convergence criterion of 36.74842087 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008336	-0.000519	0.0000654	-0.000028	-0.000314	0
Prm2	-0.000519	0.001344	6.9081E-6	-0.000056	-0.000011	0
Prm3	0.0000654	6.9081E-6	0.0004844	-0.000476	-0.000072	0
Prm4	-0.000028	-0.000056	-0.000476	0.001116	0.0000334	0
Prm5	-0.000314	-0.000011	-0.000072	0.0000334	0.0003244	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2147	0.0289	1.1581	1.2713	1770.12	<.0001
A	1	-0.0885	0.0367	-0.1603	-0.0166	5.82	0.0158
M_cont	1	-0.0425	0.0220	-0.0857	0.0006	3.73	0.0533
int	1	-0.0644	0.0334	-0.1299	0.0011	3.72	0.0539
C	1	-0.0324	0.0180	-0.0677	0.0029	3.24	0.0717
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.06348	-0.14716	0.14260	0.20911
2	1.06348	0.00308	-0.00191	-0.00111
3	1.06348	-0.00191	0.00464	-0.00004
4	1.06348	-0.00111	-0.00004	0.00109

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1042.2821	1.0475
Scaled Deviance	995	1042.2821	1.0475
Pearson Chi-Square	995	991.0157	0.9960
Scaled Pearson X2	995	991.0157	0.9960
Log Likelihood		503.3649	
Full Log Likelihood		-1955.5525	
AIC (smaller is better)		3923.1051	
AICC (smaller is better)		3923.1896	
BIC (smaller is better)		3952.5516	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009154	-0.000604	0.0000736	-0.000013	-0.000354	1.8845E-6
Prm2	-0.000604	0.001327	-6.861E-6	-0.000022	0.0000453	2.026E-6
Prm3	0.0000736	-6.861E-6	0.0005253	-0.000512	-0.000076	1.7478E-6
Prm4	-0.000013	-0.000022	-0.000512	0.001171	0.0000159	-2.676E-6
Prm5	-0.000354	0.0000453	-0.000076	0.0000159	0.0003516	-2.789E-6
Dispersion	1.8845E-6	2.026E-6	1.7478E-6	-2.676E-6	-2.789E-6	0.0001975

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2072	0.0303	1.1479	1.2665	1592.12	<.0001
A	1	-0.0270	0.0364	-0.0984	0.0443	0.55	0.4577
M_cont	1	-0.0236	0.0229	-0.0685	0.0213	1.06	0.3030
int	1	-0.0844	0.0342	-0.1515	-0.0173	6.08	0.0137
C	1	-0.0374	0.0188	-0.0741	-0.0006	3.98	0.0461
Dispersion	1	0.0069	0.0141	0.0001	0.3755		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04055	-0.21011	0.14920	0.23784
2	1.04055	0.00315	-0.00204	-0.00118
3	1.04055	-0.00204	0.00443	0.00013
4	1.04055	-0.00118	0.00013	0.00112

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1058.4544	1.0638
Scaled Deviance	995	1058.4544	1.0638
Pearson Chi-Square	995	981.2063	0.9861
Scaled Pearson X2	995	981.2063	0.9861
Log Likelihood		406.1990	
Full Log Likelihood		-1934.7058	
AIC (smaller is better)		3881.4116	
AICC (smaller is better)		3881.4962	
BIC (smaller is better)		3910.8582	

WARNING: The relative Hessian convergence criterion of 0.6382841186 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008513	-0.000543	0.0000748	-0.000047	-0.000316	0
Prm2	-0.000543	0.001334	-0.000018	0.0000102	-0.000014	0
Prm3	0.0000748	-0.000018	0.0005901	-0.000585	-0.000058	0
Prm4	-0.000047	0.0000102	-0.000585	0.001248	0.0000285	0
Prm5	-0.000316	-0.000014	-0.000058	0.0000285	0.0003384	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1725	0.0292	1.1153	1.2297	1615.03	<.0001
A	1	-0.0433	0.0365	-0.1149	0.0282	1.41	0.2353
M_cont	1	-0.0218	0.0243	-0.0694	0.0258	0.81	0.3690
int	1	-0.0909	0.0353	-0.1601	-0.0216	6.62	0.0101
C	1	-0.0240	0.0184	-0.0600	0.0121	1.70	0.1928
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.01379	-0.14626	0.15019	0.14189
2	1.01379	0.00277	-0.00175	-0.00101
3	1.01379	-0.00175	0.00420	-0.00006
4	1.01379	-0.00101	-0.00006	0.00105

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	975.0993	0.9800
Scaled Deviance	995	975.0993	0.9800
Pearson Chi-Square	995	907.1128	0.9117
Scaled Pearson X2	995	907.1128	0.9117
Log Likelihood		511.6798	
Full Log Likelihood		-1918.2938	
AIC (smaller is better)		3848.5876	
AICC (smaller is better)		3848.6722	
BIC (smaller is better)		3878.0341	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008613	-0.000539	0.0000877	-0.000030	-0.000320	-1.68E-10
Prm2	-0.000539	0.001311	-7.392E-6	-0.000046	0.0000111	-2.22E-10
Prm3	0.0000877	-7.392E-6	0.0005507	-0.000536	-0.000080	4.926E-10
Prm4	-0.000030	-0.000046	-0.000536	0.001199	0.0000246	4.3261E-9
Prm5	-0.000320	0.0000111	-0.000080	0.0000246	0.0003068	-3.36E-12
Dispersion	-1.68E-10	-2.22E-10	4.926E-10	4.3261E-9	-3.36E-12	3.3828E-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	1.2187	0.0293	1.1612	1.2763	1724.48	<.0001
A	1	-0.1043	0.0362	-0.1753	-0.0334	8.30	0.0040
M_cont	1	-0.0427	0.0235	-0.0887	0.0033	3.31	0.0688
int	1	-0.0485	0.0346	-0.1163	0.0194	1.96	0.1616
C	1	-0.0126	0.0175	-0.0469	0.0217	0.52	0.4721
Dispersion	1	0.0000	0.0006	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.01053	-0.20273	0.15263	0.22514
2	1.01053	0.00287	-0.00181	-0.00101
3	1.01053	-0.00181	0.00416	0.00001
4	1.01053	-0.00101	0.00001	0.00095

## The GENMOD Procedure

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

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1112.5114	1.1181
Scaled Deviance	995	1112.5114	1.1181
Pearson Chi-Square	995	996.7658	1.0018
Scaled Pearson X2	995	996.7658	1.0018
Log Likelihood		396.2277	
Full Log Likelihood		-1954.7251	
AIC (smaller is better)		3921.4503	
AICC (smaller is better)		3921.5349	
BIC (smaller is better)		3950.8968	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008711	-0.000559	0.0000278	0.0000137	-0.000306	1.3503E-6
Prm2	-0.000559	0.001349	0.0000180	-0.000039	-0.000018	-8.138E-7
Prm3	0.0000278	0.0000180	0.0005444	-0.000538	-0.000045	9.9744E-7
Prm4	0.0000137	-0.000039	-0.000538	0.001193	1.7579E-6	8.8088E-6
Prm5	-0.000306	-0.000018	-0.000045	1.7579E-6	0.0003167	-1.463E-6
Dispersion	1.3503E-6	-8.138E-7	9.9744E-7	8.8088E-6	-1.463E-6	0.0002281

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1519	0.0295	1.0940	1.2097	1523.20	<.0001
A	1	-0.0128	0.0367	-0.0848	0.0592	0.12	0.7277
M_cont	1	-0.0225	0.0233	-0.0682	0.0232	0.93	0.3351
int	1	-0.1013	0.0345	-0.1690	-0.0336	8.61	0.0033
C	1	-0.0157	0.0178	-0.0506	0.0192	0.78	0.3785
Dispersion	1	0.0047	0.0151	0.0000	2.5362		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05255	-0.098904	0.11740	0.15540
2	1.05255	0.002970	-0.00188	-0.00102
3	1.05255	-0.001882	0.00452	-0.00008
4	1.05255	-0.001023	-0.00008	0.00103

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA196
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1051.6224	1.0569
Scaled Deviance	995	1051.6224	1.0569
Pearson Chi-Square	995	972.6935	0.9776
Scaled Pearson X2	995	972.6935	0.9776
Log Likelihood		413.9854	
Full Log Likelihood		-1933.2194	
AIC (smaller is better)		3878.4388	
AICC (smaller is better)		3878.5234	
BIC (smaller is better)		3907.8854	

WARNING: The relative Hessian convergence criterion of 3.9121731312 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008501	-0.000560	0.0001216	-0.000088	-0.000317	0
Prm2	-0.000560	0.001361	-0.000060	0.0000306	0.0000223	0
Prm3	0.0001216	-0.000060	0.0005683	-0.000561	-0.000067	0
Prm4	-0.000088	0.0000306	-0.000561	0.001244	0.0000332	0
Prm5	-0.000317	0.0000223	-0.000067	0.0000332	0.0003224	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1836	0.0292	1.1265	1.2408	1648.10	<.0001
A	1	-0.0371	0.0369	-0.1095	0.0352	1.01	0.3140
M_cont	1	-0.0282	0.0238	-0.0749	0.0185	1.40	0.2364
int	1	-0.0654	0.0353	-0.1345	0.0038	3.43	0.0638
C	1	-0.0376	0.0180	-0.0728	-0.0024	4.39	0.0362
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.01780	-0.24292	0.22969	0.17607
2	1.01780	0.00276	-0.00179	-0.00101
3	1.01780	-0.00179	0.00430	0.00005
4	1.01780	-0.000101	0.00005	0.00100

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA197
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1037.9445	1.0432
Scaled Deviance	995	1037.9445	1.0432
Pearson Chi-Square	995	959.0775	0.9639
Scaled Pearson X2	995	959.0775	0.9639
Log Likelihood		379.6397	
Full Log Likelihood		-1917.3379	
AIC (smaller is better)		3846.6758	
AICC (smaller is better)		3846.7604	
BIC (smaller is better)		3876.1223	

WARNING: The relative Hessian convergence criterion of 11.940948088 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008679	-0.000564	0.0001035	-0.000075	-0.000312	0
Prm2	-0.000564	0.001345	-0.000056	2.9251E-6	-0.000020	0
Prm3	0.0001035	-0.000056	0.0006006	-0.000596	-0.000049	0
Prm4	-0.000075	2.9251E-6	-0.000596	0.001181	0.0000180	0
Prm5	-0.000312	-0.000020	-0.000049	0.0000180	0.0003405	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1610	0.0295	1.1033	1.2188	1553.18	<.0001
A	1	0.0708	0.0367	-0.0010	0.1427	3.73	0.0534
M_cont	1	-0.0689	0.0245	-0.1169	-0.0209	7.90	0.0049
int	1	-0.0037	0.0344	-0.0711	0.0636	0.01	0.9138
C	1	-0.0730	0.0185	-0.1092	-0.0369	15.66	<.0001
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.05042	-0.16252	0.20487	0.14437
2	1.05042	0.00299	-0.00181	-0.00111
3	1.05042	-0.00181	0.00454	-0.00009
4	1.05042	-0.00111	-0.00009	0.00113

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA198
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1073.2672	1.0787
Scaled Deviance	995	1073.2672	1.0787
Pearson Chi-Square	995	984.6554	0.9896
Scaled Pearson X2	995	984.6554	0.9896
Log Likelihood		357.1555	
Full Log Likelihood		-1930.8798	
AIC (smaller is better)		3873.7595	
AICC (smaller is better)		3873.8441	
BIC (smaller is better)		3903.2061	

WARNING: The relative Hessian convergence criterion of 2.3047493005 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0009409	-0.000583	0.0000949	-0.000022	-0.000366	0
Prm2	-0.000583	0.001386	-5.905E-6	-0.000107	0.0000309	0
Prm3	0.0000949	-5.905E-6	0.0005679	-0.000550	-0.000091	0
Prm4	-0.000022	-0.000107	-0.000550	0.001153	0.0000225	0
Prm5	-0.000366	0.0000309	-0.000091	0.0000225	0.0003434	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1907	0.0307	1.1306	1.2508	1506.91	<.0001
A	1	-0.0384	0.0372	-0.1113	0.0346	1.06	0.3027
M_cont	1	-0.0061	0.0238	-0.0528	0.0406	0.06	0.7991
int	1	-0.0637	0.0340	-0.1302	0.0029	3.52	0.0607
C	1	-0.0507	0.0185	-0.0871	-0.0144	7.49	0.0062
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.04608	-0.28205	0.27375	0.27219
2	1.04608	0.00322	-0.00193	-0.00120
3	1.04608	-0.000193	0.00451	0.00005
4	1.04608	-0.000120	0.00005	0.00107

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA199
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1044.6731	1.0499
Scaled Deviance	995	1044.6731	1.0499
Pearson Chi-Square	995	959.6605	0.9645
Scaled Pearson X2	995	959.6605	0.9645
Log Likelihood		445.0403	
Full Log Likelihood		-1932.1032	
AIC (smaller is better)		3876.2065	
AICC (smaller is better)		3876.2910	
BIC (smaller is better)		3905.6530	

Algorithm converged.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008912	-0.000546	0.0000606	-0.000034	-0.000332	2.156E-10
Prm2	-0.000546	0.001342	-0.000014	-0.000059	8.8314E-6	-1.79E-10
Prm3	0.0000606	-0.000014	0.0004836	-0.000480	-0.000044	3.938E-10
Prm4	-0.000034	-0.000059	-0.000480	0.001091	0.0000194	6.396E-10
Prm5	-0.000332	8.8314E-6	-0.000044	0.0000194	0.0003097	-2.03E-10
Dispersion	2.156E-10	-1.79E-10	3.938E-10	6.396E-10	-2.03E-10	5.7658E-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	1.2049	0.0299	1.1464	1.2634	1629.09	<.0001
A	1	-0.0724	0.0366	-0.1442	-0.0007	3.91	0.0479
M_cont	1	-0.0314	0.0220	-0.0745	0.0117	2.04	0.1527
int	1	-0.0668	0.0330	-0.1316	-0.0021	4.09	0.0430
C	1	-0.0274	0.0176	-0.0619	0.0071	2.42	0.1195
Dispersion	1	0.0000	0.0002	.	.		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.08730	-0.13221	0.23883	0.13104
2	1.08730	0.00343	-0.00207	-0.00125
3	1.08730	-0.00207	0.00484	0.00002
4	1.08730	-0.00125	0.00002	0.00113

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1100
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	1000
Number of Observations Used	1000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	995	1043.7774	1.0490
Scaled Deviance	995	1043.7774	1.0490
Pearson Chi-Square	995	960.9597	0.9658
Scaled Pearson X2	995	960.9597	0.9658
Log Likelihood		543.9074	
Full Log Likelihood		-1949.8503	
AIC (smaller is better)		3911.7006	
AICC (smaller is better)		3911.7852	
BIC (smaller is better)		3941.1471	

WARNING: The relative Hessian convergence criterion of 6.9795628818 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	0.0008021	-0.000541	0.0001216	-0.000075	-0.000290	0
Prm2	-0.000541	0.001308	-0.000059	-0.000026	7.4082E-6	0
Prm3	0.0001216	-0.000059	0.0005040	-0.000493	-0.000069	0
Prm4	-0.000075	-0.000026	-0.000493	0.001178	0.0000196	0
Prm5	-0.000290	7.4082E-6	-0.000069	0.0000196	0.0003128	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.2267	0.0283	1.1712	1.2822	1875.94	<.0001
A	1	-0.0209	0.0362	-0.0918	0.0500	0.33	0.5629
M_cont	1	-0.0428	0.0225	-0.0868	0.0012	3.63	0.0568
int	1	-0.0364	0.0343	-0.1037	0.0308	1.13	0.2885
C	1	-0.0523	0.0177	-0.0870	-0.0177	8.76	0.0031
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

Obs	_RMSE_	Intercept	A	C
1	1.03110	-0.26861	0.27316	0.21775
2	1.03110	0.00278	-0.00181	-0.00098
3	1.03110	-0.00181	0.00437	-0.00002
4	1.03110	-0.00098	-0.00002	0.00101

## The GENMOD Procedure

Model Information	
Data Set	WORK.DATA1
Distribution	Negative Binomial
Link Function	Log
Dependent Variable	Y_count_int

Number of Observations Read	100000
Number of Observations Used	100000

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

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	1E5	104919.3480	1.0492
Scaled Deviance	1E5	104919.3480	1.0492
Pearson Chi-Square	1E5	96680.5076	0.9669
Scaled Pearson X2	1E5	96680.5076	0.9669
Log Likelihood		44994.3254	
Full Log Likelihood		-193758.5358	
AIC (smaller is better)		387529.0716	
AICC (smaller is better)		387529.0725	
BIC (smaller is better)		387586.1492	

WARNING: The relative Hessian convergence criterion of 536.35269834 is greater than the limit of 0.0001. The convergence is questionable.

Estimated Covariance Matrix						
	Prm1	Prm2	Prm3	Prm4	Prm5	Dispersion
Prm1	8.6307E-6	-5.539E-6	7.6996E-7	-4.098E-7	-3.166E-6	0
Prm2	-5.539E-6	0.0000132	-2.138E-7	-1.085E-7	8.1098E-8	0
Prm3	7.6996E-7	-2.138E-7	5.1818E-6	-5.117E-6	-5.694E-7	0
Prm4	-4.098E-7	-1.085E-7	-5.117E-6	0.0000116	2.1009E-7	0
Prm5	-3.166E-6	8.1098E-8	-5.694E-7	2.1009E-7	3.1587E-6	0
Dispersion	0	0	0	0	0	0

## The GENMOD Procedure

Analysis Of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept	1	1.1880	0.0029	1.1822	1.1937	163525	<.0001
A	1	-0.0335	0.0036	-0.0407	-0.0264	85.16	<.0001
M_cont	1	-0.0287	0.0023	-0.0331	-0.0242	158.75	<.0001
int	1	-0.0713	0.0034	-0.0780	-0.0646	437.50	<.0001
C	1	-0.0292	0.0018	-0.0327	-0.0257	270.55	<.0001
Dispersion	0	0.0000	0.0000	0.0000	0.0000		

The negative binomial dispersion parameter was estimated by maximum likelihood.

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3669.12815	1834.56408	1674.30	<.0001
Error	99997	109569	1.09572		
Corrected Total	99999	113238			

Root MSE	1.04677	R-Square	0.0324
Dependent Mean	0.07098	Adj R-Sq	0.0324
Coeff Var	1474.76716		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.17613	0.00550	-32.01	<.0001
A	1	0.17519	0.00670	26.16	<.0001
C	1	0.16791	0.00325	51.73	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.04677	-0.17613	0.17519	0.16791
2	1.04677	0.00003	-0.00002	-0.00001
3	1.04677	-0.00002	0.00004	0.00000
4	1.04677	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.96699	0.037524	0.90093	1.05990
2	marginal pnde	0.97222	0.037868	0.90265	1.06117
3	marginal pnie	0.99506	0.003966	0.98587	1.00195
4	marginal tnde	0.96053	0.037359	0.89599	1.05497
5	marginal tnie	0.98311	0.007092	0.97027	0.99520
6	marginal total effect	0.95575	0.036558	0.89070	1.04124
7	conditional cde	0.96699	0.037524	0.90093	1.05990
8	conditional pnde	0.97256	0.037876	0.90294	1.06140
9	conditional pnie	0.99506	0.003966	0.98587	1.00195
10	conditional tnde	0.96086	0.037349	0.89629	1.05522
11	conditional tnie	0.98311	0.007092	0.97027	0.99520
12	conditional total effect	0.95608	0.036555	0.89092	1.04149

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	4	2	33.33

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	12.348	2.773
AIC	12.348	6.773
SBC	12.348	5.545

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.5750	2	0.0083	
Score	8.3171	2	0.0156	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-40.01223	73600	0.0000	0.9996	0.000
int	0	0	.	.	.	.
C	1	-23.74861	16521	0.0000	0.9989	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	5416918333	.	560758490
int	.	.	.	.
C	.	560758490	.	272930824

Obs	_RMSE_	Intercept	A	C
1	1.08123	-0.21907	0.27577	0.17359
2	1.08123	0.00338	-0.00206	-0.00126
3	1.08123	-0.00206	0.00486	0.00009
4	1.08123	-0.00126	0.00009	0.00113

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	5	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	10.832	5.545
AIC	10.832	9.545
SBC	10.832	8.764

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	5.2870	2	0.0711	
Score	3.6250	2	0.1632	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-31.80368	12703	0.0000	0.9980	0.000
int	0	0	.	.	.	.
C	1	-15.63922	6778	0.0000	0.9982	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	161357889.4	.	32951772.1
int	.	.	.	.
C	.	32951772.1	.	45942128.3

Obs	_RMSE_	Intercept	A	C
1	1.02285	-0.16870	0.21794	0.16937
2	1.02285	0.00287	-0.00181	-0.00102
3	1.02285	-0.00181	0.00428	-0.00001
4	1.02285	-0.00102	-0.00001	0.00098

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1	1	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	0.000

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	.
Score	0.0000	0	.	.
Wald	0.0000	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05026	-0.14864	0.21294	0.17974
2	1.05026	0.00304	-0.00196	-0.00111
3	1.05026	-0.00196	0.00455	0.00008
4	1.05026	-0.00111	0.00008	0.00108

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	6	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	19.678	16.094
AIC	19.678	18.094
SBC	19.678	17.886

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	3.5835	1	0.0584	
Score	5.0000	1	0.0253	
Wald	0.0000	1	0.9961	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-21.16985	4299	0.0000	0.9961	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	18482100.86	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04385	-0.21743	0.18883	0.24982
2	1.04385	0.00309	-0.00193	-0.00112
3	1.04385	-0.00193	0.00444	0.00002
4	1.04385	-0.00112	0.00002	0.00107

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	4	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	5.545
AIC	8.318	7.545
SBC	8.318	6.931

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2.7726	1	0.0959	
Score	2.0000	1	0.1573	
Wald	0.0000	1	0.9977	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-21.38531	7450	0.0000	0.9977	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	55505606.06	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.02624	-0.25270	0.22597	0.20564
2	1.02624	0.00317	-0.00195	-0.00119
3	1.02624	-0.00195	0.00434	0.00012
4	1.02624	-0.00119	0.00012	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.690

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	232.16489	82523	0.0000	0.9978	6.73E100
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	6810101689	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04461	-0.22336	0.13059	0.18673
2	1.04461	0.00314	-0.00198	-0.00114
3	1.04461	-0.00198	0.00445	0.00005
4	1.04461	-0.00114	0.00005	0.00106

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	6	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	15.485	8.318
AIC	15.485	12.318
SBC	15.485	11.901

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.1670	2	0.0278	
Score	5.2000	2	0.0743	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-32.07294	12876	0.0000	0.9980	0.000
int	0	0	.	.	.	.
C	1	-15.97862	5895	0.0000	0.9978	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	165797097.4	.	26583403.8
int	.	.	.	.
C	.	26583403.8	.	34748961.6

Obs	_RMSE_	Intercept	A	C
1	1.08178	-0.11771	0.19979	0.11668
2	1.08178	0.00321	-0.00201	-0.00115
3	1.08178	-0.00201	0.00476	-0.00006
4	1.08178	-0.00115	-0.00006	0.00117

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	2	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	2.773	2.773
AIC	2.773	2.773
SBC	2.773	2.773

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	0.0000	0	.
Score	0.0000	0	.
Wald	0.0000	0	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	0.99934	-0.18269	0.18252	0.17674
2	0.99934	0.00279	-0.00181	-0.00103
3	0.99934	-0.00181	0.00412	0.00010
4	0.99934	-0.00103	0.00010	0.00098

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	3	2	40.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.635	2.773
AIC	8.635	6.773
SBC	8.635	4.970

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	5.8624	2	0.0533
Score	3.9091	2	0.1416
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	128.80916	453288	0.0000	0.9998	8.732E55
int	0	0	.	.	.	.
C	1	-10.33361	26910	0.0000	0.9997	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	205469996517	.	11516130392
int	.	.	.	.
C	.	11516130392	.	724145630.19

Obs	_RMSE_	Intercept	A	C
1	1.03097	-0.16474	0.11112	0.21498
2	1.03097	0.00299	-0.00195	-0.00108
3	1.03097	-0.00195	0.00432	0.00005
4	1.03097	-0.00108	0.00005	0.00105

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	5	2	28.57

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	16.419	5.545
AIC	16.419	9.545
SBC	16.419	8.764

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	10.8734	2	0.0044	
Score	7.3427	2	0.0254	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-38.41392	32710	0.0000	0.9991	0.000
int	0	0	.	.	.	.
C	1	-22.95309	11509	0.0000	0.9984	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1069957803	.	155604553
int	.	.	.	.
C	.	155604553	.	132450685

Obs	_RMSE_	Intercept	A	C
1	1.01701	-0.16349	0.19626	0.12130
2	1.01701	0.00292	-0.00191	-0.00105
3	1.01701	-0.00191	0.00419	0.00005
4	1.01701	-0.00105	0.00005	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	1	1	50.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1.386	0.000
AIC	1.386	2.000
SBC	1.386	0.000

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1.3863	1	0.2390
Score	1.0000	1	0.3173
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	211.55877	3953382	0.0000	1.0000	7.565E91
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	1.5629231E13	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.06835	-0.16862	0.015809	0.20227
2	1.06835	0.00326	-0.002041	-0.00123
3	1.06835	-0.00204	0.004686	0.00007
4	1.06835	-0.00123	0.000066	0.00117

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	4	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.978

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-21.76446	7736	0.0000	0.9978	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	59848915.99	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04810	-0.16640	0.10927	0.18201
2	1.04810	0.00271	-0.00176	-0.00095
3	1.04810	-0.00176	0.00463	-0.00003
4	1.04810	-0.00095	-0.00003	0.00098

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	6	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	17.342	13.183
AIC	17.342	15.183
SBC	17.342	14.975

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.1589	1	0.0414	
Score	3.0000	1	0.0833	
Wald	0.0000	1	0.9972	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-22.68082	6452	0.0000	0.9972	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	41622861.49	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.08825	-0.091998	0.14683	0.14393
2	1.08825	0.003250	-0.00203	-0.00116
3	1.08825	-0.002033	0.00485	-0.00003
4	1.08825	-0.001162	-0.00003	0.00114

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	5	1	16.67

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	14.626	6.592
AIC	14.626	10.592
SBC	14.626	9.811

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	8.0348	2	0.0180	
Score	6.9247	2	0.0314	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-38.75340	43896	0.0000	0.9993	0.000
int	0	0	.	.	.	.
C	1	-21.50504	8530	0.0000	0.9980	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1926870005	.	185546653
int	.	.	.	.
C	.	185546653	.	72766098

Obs	_RMSE_	Intercept	A	C
1	1.04847	-0.25404	0.27013	0.17921
2	1.04847	0.00308	-0.00188	-0.00110
3	1.04847	-0.00188	0.00449	-0.00004
4	1.04847	-0.00110	-0.00004	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	5	1	16.67

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	14.099	5.545
AIC	14.099	9.545
SBC	14.099	8.764

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	8.5533	2	0.0139	
Score	5.5586	2	0.0621	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-36.13583	19431	0.0000	0.9985	0.000
int	0	0	.	.	.	.
C	1	-21.21100	7633	0.0000	0.9978	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	377577435.1	.	61477698.9
int	.	.	.	.
C	.	61477698.9	.	58265600.5

Obs	_RMSE_	Intercept	A	C
1	1.06083	-0.13073	0.19785	0.12155
2	1.06083	0.00310	-0.00198	-0.00107
3	1.06083	-0.00198	0.00462	0.00004
4	1.06083	-0.00107	0.00004	0.00099

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA116
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	4	1	20.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	10.832	5.545
AIC	10.832	9.545
SBC	10.832	8.318

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	5.2870	2	0.0711	
Score	3.6250	2	0.1632	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-28.27389	12388	0.0000	0.9982	0.000
int	0	0	.	.	.	.
C	1	-9.73206	3926	0.0000	0.9980	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	153458106.7	.	17220227.6
int	.	.	.	.
C	.	17220227.6	.	15412708.5

Obs	_RMSE_	Intercept	A	C
1	1.00663	-0.076963	0.16647	0.10493
2	1.00663	0.002916	-0.00186	-0.00106
3	1.00663	-0.001855	0.00417	0.00010
4	1.00663	-0.001065	0.00010	0.00097

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	1	1	50.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1.386	0.000
AIC	1.386	2.000
SBC	1.386	0.000

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1.3863	1	0.2390
Score	1.0000	1	0.3173
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	348.27003	6508094	0.0000	1.0000	1.79E151
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	4.2355287E13	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	0.99908	-0.14468	0.14049	0.15772
2	0.99908	0.00277	-0.00172	-0.00098
3	0.99908	-0.00172	0.00411	0.00001
4	0.99908	-0.00098	0.00001	0.00090

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1	1	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	0.000

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	.
Score	0.0000	0	.	.
Wald	0.0000	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03588	-0.15945	0.20214	0.14666
2	1.03588	0.00305	-0.00196	-0.00112
3	1.03588	-0.00196	0.00442	0.00011
4	1.03588	-0.00112	0.00011	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	8

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
8	7	1	12.50

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	23.520	13.183
AIC	23.520	17.183
SBC	23.520	17.075

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	10.3362	2	0.0057	
Score	6.5466	2	0.0379	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-35.97543	15882	0.0000	0.9982	0.000
int	0	0	.	.	.	.
C	1	-20.95934	6783	0.0000	0.9975	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	252252817.1	.	45111979.3
int	.	.	.	.
C	.	45111979.3	.	46004564.0

Obs	_RMSE_	Intercept	A	C
1	1.04148	-0.21195	0.081447	0.19132
2	1.04148	0.00295	-0.001857	-0.00103
3	1.04148	-0.00186	0.004403	-0.00010
4	1.04148	-0.00103	-0.000097	0.00105

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	5	1	16.67

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	15.120	6.592
AIC	15.120	10.592
SBC	15.120	9.811

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	8.5285	2	0.0141	
Score	7.6829	2	0.0215	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-36.04647	28748	0.0000	0.9990	0.000
int	0	0	.	.	.	.
C	1	-20.80907	6572	0.0000	0.9975	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	826456234.3	.	86322731.1
int	.	.	.	.
C	.	86322731.1	.	43193453.9

Obs	_RMSE_	Intercept	A	C
1	1.04906	-0.18241	0.22693	0.17549
2	1.04906	0.00286	-0.00186	-0.00099
3	1.04906	-0.00186	0.00452	-0.00003
4	1.04906	-0.00099	-0.00003	0.00101

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	8

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
8	7	1	12.50

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	23.803	12.137
AIC	23.803	16.137
SBC	23.803	16.029

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	11.6657	2	0.0029	
Score	8.8167	2	0.0122	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-36.52360	22426	0.0000	0.9987	0.000
int	0	0	.	.	.	.
C	1	-21.27095	7777	0.0000	0.9978	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	502903271.2	.	72064192.1
int	.	.	.	.
C	.	72064192.1	.	60484278.1

Obs	_RMSE_	Intercept	A	C
1	1.01801	-0.27232	0.17371	0.24303
2	1.01801	0.00291	-0.00182	-0.00110
3	1.01801	-0.00182	0.00433	0.00008
4	1.01801	-0.00110	0.00008	0.00101

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	8

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
8	8	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	25.660	15.956
AIC	25.660	19.956
SBC	25.660	20.115

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.7041	2	0.0078	
Score	8.0000	2	0.0183	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-33.24126	16141	0.0000	0.9984	0.000
int	0	0	.	.	.	.
C	1	-16.17220	5299	0.0000	0.9976	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	260541054.0	.	26285453.3
int	.	.	.	.
C	.	26285453.3	.	28083884.7

Obs	_RMSE_	Intercept	A	C
1	1.06251	-0.19040	0.20805	0.16023
2	1.06251	0.00305	-0.00194	-0.00109
3	1.06251	-0.00194	0.00462	-0.00002
4	1.06251	-0.00109	-0.00002	0.00108

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	8

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
8	6	2	25.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	21.923	11.090
AIC	21.923	15.090
SBC	21.923	14.674

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	10.8330	2	0.0044	
Score	9.9731	2	0.0068	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-38.90064	36990	0.0000	0.9992	0.000
int	0	0	.	.	.	.
C	1	-21.85865	7125	0.0000	0.9976	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1368225859	.	131266195
int	.	.	.	.
C	.	131266195	.	50762579

Obs	_RMSE_	Intercept	A	C
1	1.08046	-0.17953	0.17478	0.21764
2	1.08046	0.00352	-0.00217	-0.00130
3	1.08046	-0.00217	0.00477	0.00010
4	1.08046	-0.00130	0.00010	0.00115

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	1	1	50.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1.386	0.000
AIC	1.386	2.000
SBC	1.386	0.000

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1.3863	1	0.2390
Score	1.0000	1	0.3173
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-36.02611	673221	0.0000	1.0000	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	453226621116	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.01652	-0.25697	0.25148	0.20514
2	1.01652	0.00272	-0.00173	-0.00101
3	1.01652	-0.00173	0.00431	0.00001
4	1.01652	-0.00101	0.00001	0.00103

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	0	5	100.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	.

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	0.0000	0	.
Score	0.0000	0	.
Wald	0.0000	0	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.06533	-0.15393	0.15266	0.18274
2	1.06533	0.00305	-0.00198	-0.00105
3	1.06533	-0.00198	0.00465	0.00002
4	1.06533	-0.00105	0.00002	0.00100

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1	1	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	0.000

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	.
Score	0.0000	0	.	.
Wald	0.0000	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.07674	-0.18019	0.22886	0.17102
2	1.07674	0.00334	-0.00205	-0.00127
3	1.07674	-0.00205	0.00480	0.00007
4	1.07674	-0.00127	0.00007	0.00118

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1	1	0	0.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	0.000

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	.
Score	0.0000	0	.	.
Wald	0.0000	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.07757	-0.14506	0.058985	0.20212
2	1.07757	0.00307	-0.001905	-0.00109
3	1.07757	-0.00191	0.004760	-0.00013
4	1.07757	-0.00109	-0.000127	0.00115

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	3	2	40.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.764	2.773
AIC	8.764	6.773
SBC	8.764	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	5.9915	2	0.0500	
Score	5.4286	2	0.0663	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-32.25079	51516	0.0000	0.9995	0.000
int	0	0	.	.	.	.
C	1	-10.72472	7027	0.0000	0.9988	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2653868558	.	172232913
int	.	.	.	.
C	.	172232913	.	49375086

Obs	_RMSE_	Intercept	A	C
1	1.04430	-0.28227	0.20345	0.22767
2	1.04430	0.00315	-0.00203	-0.00104
3	1.04430	-0.00203	0.00438	-0.00005
4	1.04430	-0.00104	-0.00005	0.00102

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	3	2	40.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.635	2.773
AIC	8.635	6.773
SBC	8.635	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	5.8624	2	0.0533	
Score	3.9091	2	0.1416	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-28.82359	18350	0.0000	0.9987	0.000
int	0	0	.	.	.	.
C	1	-10.47757	6114	0.0000	0.9986	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	336710064.0	.	39844596.0
int	.	.	.	.
C	.	39844596.0	.	37381948.5

Obs	_RMSE_	Intercept	A	C
1	1.06344	-0.21298	0.18287	0.21705
2	1.06344	0.00307	-0.00198	-0.00109
3	1.06344	-0.00198	0.00462	0.00000
4	1.06344	-0.00109	0.00000	0.00109

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	11

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
11	8	3	27.27

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	33.967	17.682
AIC	33.967	21.682
SBC	33.967	21.841

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	16.2850	2	0.0003	
Score	16.3503	2	0.0003	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-35.97142	11198	0.0000	0.9974	0.000
int	0	0	.	.	.	.
C	1	-21.83696	5936	0.0000	0.9971	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	125386837.4	.	29488821.4
int	.	.	.	.
C	.	29488821.4	.	35241189.5

Obs	_RMSE_	Intercept	A	C
1	1.04807	-0.16808	0.18322	0.16655
2	1.04807	0.00296	-0.00187	-0.00108
3	1.04807	-0.00187	0.00458	0.00004
4	1.04807	-0.00108	0.00004	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	4	1	20.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	11.537	6.592
AIC	11.537	10.592
SBC	11.537	9.364

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.9450	2	0.0844	
Score	4.7895	2	0.0912	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-31.35064	34637	0.0000	0.9993	0.000
int	0	0	.	.	.	.
C	1	-9.98154	4634	0.0000	0.9983	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1199737330	.	77372969
int	.	.	.	.
C	.	77372969	.	21476095

Obs	_RMSE_	Intercept	A	C
1	1.02898	-0.24669	0.14466	0.16360
2	1.02898	0.00283	-0.00174	-0.00110
3	1.02898	-0.00174	0.00446	0.00001
4	1.02898	-0.00110	0.00001	0.00110

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	9

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
9	7	2	22.22

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	26.423	13.183
AIC	26.423	17.183
SBC	26.423	17.075

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	13.2401	2	0.0013	
Score	8.7340	2	0.0127	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-34.79926	14174	0.0000	0.9980	0.000
int	0	0	.	.	.	.
C	1	-21.64143	6928	0.0000	0.9975	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	200895750.7	.	42407932.0
int	.	.	.	.
C	.	42407932.0	.	47995010.2

Obs	_RMSE_	Intercept	A	C
1	1.02360	-0.19824	0.14612	0.20070
2	1.02360	0.00297	-0.00194	-0.00108
3	1.02360	-0.00194	0.00428	0.00009
4	1.02360	-0.000108	0.00009	0.00103

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	2	1	33.33

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.584	0.000
AIC	3.584	4.000
SBC	3.584	1.386

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.5835	2	0.1667
Score	2.6000	2	0.2725
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-7.52165	636893	0.0000	1.0000	0.001
int	0	0	.	.	.	.
C	1	-27.07043	329462	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	405632754045	.	-74238140829
int	.	.	.	.
C	.	-74238140829	.	108545484424

Obs	_RMSE_	Intercept	A	C
1	1.05335	-0.14193	0.22124	0.14324
2	1.05335	0.00293	-0.00189	-0.00102
3	1.05335	-0.00189	0.00454	-0.00004
4	1.05335	-0.00102	-0.00004	0.00105

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	1	4	80.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.219	0.000
AIC	3.219	2.000
SBC	3.219	0.000

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.2189	1	0.0728
Score	4.0000	1	0.0455
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-39.92982	1392072	0.0000	1.0000	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	1.9378656E12	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05470	-0.20723	0.20484	0.13231
2	1.05470	0.00306	-0.00197	-0.00106
3	1.05470	-0.00197	0.00455	0.00003
4	1.05470	-0.000106	0.00003	0.00101

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	8

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
8	7	1	12.50

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	23.309	12.137
AIC	23.309	16.137
SBC	23.309	16.029

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	11.1720	2	0.0038	
Score	7.0107	2	0.0300	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-35.34632	14990	0.0000	0.9981	0.000
int	0	0	.	.	.	.
C	1	-20.95321	6902	0.0000	0.9976	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	224713050.7	.	43977526.9
int	.	.	.	.
C	.	43977526.9	.	47642399.0

Obs	_RMSE_	Intercept	A	C
1	1.06484	-0.22336	0.23490	0.16576
2	1.06484	0.00314	-0.00187	-0.00115
3	1.06484	-0.00187	0.00466	-0.00008
4	1.06484	-0.00115	-0.00008	0.00112

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	3	3	50.00

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	10.751	6.592
AIC	10.751	8.592
SBC	10.751	7.690

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	4.1589	1	0.0414
Score	3.0000	1	0.0833
Wald	0.0000	1	0.9982

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	155.04168	68925	0.0000	0.9982	2.156E67
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	4750655186	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.06604	-0.18114	0.10999	0.18744
2	1.06604	0.00314	-0.00204	-0.00114
3	1.06604	-0.00204	0.00463	0.00004
4	1.06604	-0.00114	0.00004	0.00113

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	5	2	28.57

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

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	18.226	11.090
AIC	18.226	15.090
SBC	18.226	14.309

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.1355	2	0.0282	
Score	7.6471	2	0.0219	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-32.07712	44049	0.0000	0.9994	0.000
int	0	0	.	.	.	.
C	1	-9.67759	3195	0.0000	0.9976	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1940316582	.	110952415
int	.	.	.	.
C	.	110952415	.	10206179

Obs	_RMSE_	Intercept	A	C
1	1.06444	-0.24657	0.20369	0.18433
2	1.06444	0.00295	-0.00196	-0.00104
3	1.06444	-0.00196	0.00467	0.00003
4	1.06444	-0.000104	0.00003	0.00107

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	2	2	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	5.545	2.773
AIC	5.545	4.773
SBC	5.545	3.466

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	2.7726	1	0.0959
Score	2.0000	1	0.1573
Wald	0.0000	1	0.9985

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	255.23109	138966	0.0000	0.9985	7.01E110
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	19311454137	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.01770	-0.096058	0.23282	0.10679
2	1.01770	0.002858	-0.00181	-0.00098
3	1.01770	-0.001814	0.00419	-0.00005
4	1.01770	-0.000979	-0.00005	0.00097

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	2	2	50.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	4.970	0.000
AIC	4.970	4.000
SBC	4.970	1.386

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	4.9698	2	0.0833
Score	4.1429	2	0.1260
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	151.78810	14340327	0.0000	1.0000	8.332E65
int	0	0	.	.	.	.
C	1	-15.26173	957388	0.0000	1.0000	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2.0564496E14	.	1.3163714E13
int	.	.	.	.
C	.	1.3163714E13	.	916591705113

Obs	_RMSE_	Intercept	A	C
1	1.03847	-0.18699	0.13268	0.18361
2	1.03847	0.00299	-0.00189	-0.00107
3	1.03847	-0.00189	0.00444	0.00004
4	1.03847	-0.00107	0.00004	0.00100

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	3	0	0.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.584	0.000
AIC	3.584	4.000
SBC	3.584	2.197

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.5835	2	0.1667
Score	2.6000	2	0.2725
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-43.91099	603027	0.0000	0.9999	0.000
int	0	0	.	.	.	.
C	1	-22.02711	276070	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	363641433958	.	58305660934
int	.	.	.	.
C	.	58305660934	.	76214741726

Obs	_RMSE_	Intercept	A	C
1	1.04627	-0.18965	0.15667	0.22621
2	1.04627	0.00323	-0.00207	-0.00118
3	1.04627	-0.00207	0.00443	0.00008
4	1.04627	-0.00118	0.00008	0.00112

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	3	0	0.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.584	0.000
AIC	3.584	4.000
SBC	3.584	2.197

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.5835	2	0.1667
Score	2.6000	2	0.2725
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-43.91099	603027	0.0000	0.9999	0.000
int	0	0	.	.	.	.
C	1	-22.02711	276070	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	363641433958	.	58305660934
int	.	.	.	.
C	.	58305660934	.	76214741726

Obs	_RMSE_	Intercept	A	C
1	1.04741	-0.15958	0.23067	0.13137
2	1.04741	0.00312	-0.00201	-0.00116
3	1.04741	-0.00201	0.00448	0.00008
4	1.04741	-0.00116	0.00008	0.00112

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	6	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	15.485	9.364
AIC	15.485	13.364
SBC	15.485	12.948

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	6.1205	2	0.0469	
Score	4.6923	2	0.0957	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-32.54197	14005	0.0000	0.9981	0.000
int	0	0	.	.	.	.
C	1	-15.65137	6713	0.0000	0.9981	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	196132465.4	.	33755508.2
int	.	.	.	.
C	.	33755508.2	.	45059319.8

Obs	_RMSE_	Intercept	A	C
1	0.99376	-0.23761	0.19278	0.20365
2	0.99376	0.00270	-0.00173	-0.00095
3	0.99376	-0.00173	0.00407	0.00003
4	0.99376	-0.00095	0.00003	0.00089

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA143
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	6	1	14.29

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	18.607	9.364
AIC	18.607	13.364
SBC	18.607	12.948

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.2427	2	0.0098	
Score	5.4098	2	0.0669	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-35.35253	14959	0.0000	0.9981	0.000
int	0	0	.	.	.	.
C	1	-20.97640	6981	0.0000	0.9976	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	223772549.3	.	44541275.4
int	.	.	.	.
C	.	44541275.4	.	48733111.1

Obs	_RMSE_	Intercept	A	C
1	1.04784	-0.21353	0.19965	0.20711
2	1.04784	0.00306	-0.00199	-0.00106
3	1.04784	-0.000199	0.00449	0.00007
4	1.04784	-0.000106	0.00007	0.00098

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	2	0	0.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1.386	0.000
AIC	1.386	2.000
SBC	1.386	0.693

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1.3863	1	0.2390
Score	1.0000	1	0.3173
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-30.78395	575258	0.0000	1.0000	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	330921955829	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05277	-0.095843	0.13890	0.18544
2	1.05277	0.003254	-0.00198	-0.00126
3	1.05277	-0.001977	0.00461	0.00010
4	1.05277	-0.001258	0.00010	0.00114

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	6.356	0.000
AIC	6.356	4.000
SBC	6.356	2.197

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	6.3561	2	0.0417
Score	4.6018	2	0.1002
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-48.05493	611567	0.0000	0.9999	0.000
int	0	0	.	.	.	.
C	1	-28.92363	200438	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	374014143137	.	50902464507
int	.	.	.	.
C	.	50902464507	.	40175402243

Obs	_RMSE_	Intercept	A	C
1	1.04707	-0.12176	0.082728	0.15592
2	1.04707	0.00292	-0.001930	-0.00098
3	1.04707	-0.00193	0.004466	-0.00000
4	1.04707	-0.00098	-0.000003	0.00098

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	7.167	2.773
AIC	7.167	6.773
SBC	7.167	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.3944	2	0.1111	
Score	3.7273	2	0.1551	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-31.50467	40055	0.0000	0.9994	0.000
int	0	0	.	.	.	.
C	1	-10.47765	7560	0.0000	0.9989	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1604364343	.	119911730
int	.	.	.	.
C	.	119911730	.	57158068

Obs	_RMSE_	Intercept	A	C
1	1.06502	-0.10210	0.15607	0.18632
2	1.06502	0.00295	-0.00183	-0.00106
3	1.06502	-0.00183	0.00469	-0.00011
4	1.06502	-0.00106	-0.00011	0.00111

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	4	2	33.33

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	12.218	2.773
AIC	12.218	6.773
SBC	12.218	5.545

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.4459	2	0.0089	
Score	7.7886	2	0.0204	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-40.48457	69560	0.0000	0.9995	0.000
int	0	0	.	.	.	.
C	1	-23.39091	13919	0.0000	0.9987	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	4838617131	.	472373007
int	.	.	.	.
C	.	472373007	.	193752349

Obs	_RMSE_	Intercept	A	C
1	1.05282	-0.15965	0.15105	0.12171
2	1.05282	0.00304	-0.00189	-0.00115
3	1.05282	-0.00189	0.00462	0.00004
4	1.05282	-0.00115	0.00004	0.00112

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	6	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	17.342	13.183
AIC	17.342	15.183
SBC	17.342	14.975

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.1589	1	0.0414	
Score	3.0000	1	0.0833	
Wald	0.0000	1	0.9972	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	374.39840	106498	0.0000	0.9972	3.97E162
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	11341815198	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.00927	-0.20375	0.14934	0.18841
2	1.00927	0.00248	-0.00153	-0.00086
3	1.00927	-0.00153	0.00429	-0.00016
4	1.00927	-0.00086	-0.00016	0.00092

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	5	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	12.429	9.364
AIC	12.429	11.364
SBC	12.429	10.974

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.0650	1	0.0800
Score	2.0000	1	0.1573
Wald	0.0000	1	0.9973

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	367.26560	109669	0.0000	0.9973	3.17E159
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	12027208594	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03026	-0.15063	0.16529	0.14511
2	1.03026	0.00295	-0.00191	-0.00107
3	1.03026	-0.00191	0.00440	0.00010
4	1.03026	-0.00107	0.00010	0.00099

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	5	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	11.043	6.592
AIC	11.043	10.592
SBC	11.043	9.811

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.4512	2	0.1080	
Score	2.4545	2	0.2931	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-30.32265	10148	0.0000	0.9976	0.000
int	0	0	.	.	.	.
C	1	-15.50067	6438	0.0000	0.9981	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	102979140.7	.	28109221.4
int	.	.	.	.
C	.	28109221.4	.	41442537.5

Obs	_RMSE_	Intercept	A	C
1	1.07824	-0.13521	0.14762	0.16027
2	1.07824	0.00311	-0.00204	-0.00110
3	1.07824	-0.00204	0.00482	0.00008
4	1.07824	-0.00110	0.00008	0.00106

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	7.167	2.773
AIC	7.167	6.773
SBC	7.167	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.3944	2	0.1111	
Score	3.7273	2	0.1551	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-7.61776	40518	0.0000	0.9998	0.000
int	0	0	.	.	.	.
C	1	-20.66736	15288	0.0000	0.9989	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1641722995	.	-94994394
int	.	.	.	.
C	.	-94994394	.	233709660

Obs	_RMSE_	Intercept	A	C
1	1.03614	-0.25998	0.22914	0.24597
2	1.03614	0.00289	-0.00178	-0.00105
3	1.03614	-0.00178	0.00447	-0.00001
4	1.03614	-0.000105	-0.00001	0.00101

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	3	3	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9.940	2.773
AIC	9.940	6.773
SBC	9.940	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.1670	2	0.0278	
Score	5.2857	2	0.0712	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-29.02122	18968	0.0000	0.9988	0.000
int	0	0	.	.	.	.
C	1	-10.67321	6129	0.0000	0.9986	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	359776611.5	.	41201226.6
int	.	.	.	.
C	.	41201226.6	.	37568349.2

Obs	_RMSE_	Intercept	A	C
1	1.03076	-0.21051	0.17061	0.15108
2	1.03076	0.00296	-0.00176	-0.00108
3	1.03076	-0.00176	0.00437	-0.00006
4	1.03076	-0.000108	-0.00006	0.00103

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	9

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
9	7	2	22.22

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	26.213	13.863
AIC	26.213	17.863
SBC	26.213	17.755

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	12.3498	2	0.0021	
Score	6.9269	2	0.0313	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-35.08492	12306	0.0000	0.9977	0.000
int	0	0	.	.	.	.
C	1	-21.30148	5829	0.0000	0.9971	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	151428645.1	.	30718308.4
int	.	.	.	.
C	.	30718308.4	.	33981455.1

Obs	_RMSE_	Intercept	A	C
1	1.04926	-0.20147	0.15784	0.17563
2	1.04926	0.00292	-0.00196	-0.00100
3	1.04926	-0.00196	0.00448	0.00001
4	1.04926	-0.00100	0.00001	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	2	2	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	5.545	2.773
AIC	5.545	4.773
SBC	5.545	3.466

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2.7726	1	0.0959	
Score	2.0000	1	0.1573	
Wald	0.0000	1	0.9985	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	155.04168	84416	0.0000	0.9985	2.156E67
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	7125982868	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05522	-0.19552	0.27682	0.17992
2	1.05522	0.00294	-0.00185	-0.00108
3	1.05522	-0.00185	0.00458	-0.00006
4	1.05522	-0.00108	-0.00006	0.00113

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	2	2	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	5.545	2.773
AIC	5.545	4.773
SBC	5.545	3.466

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	2.7726	1	0.0959
Score	2.0000	1	0.1573
Wald	0.0000	1	0.9985

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	255.23109	138966	0.0000	0.9985	7.01E110
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	19311454137	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.02248	-0.16968	0.22822	0.18246
2	1.02248	0.00289	-0.00176	-0.00108
3	1.02248	-0.00176	0.00436	0.00002
4	1.02248	-0.000108	0.00002	0.00101

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	1	1	50.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1.386	0.000
AIC	1.386	2.000
SBC	1.386	0.000

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1.3863	1	0.2390
Score	1.0000	1	0.3173
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	211.55877	3953382	0.0000	1.0000	7.565E91
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	1.5629231E13	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.07671	-0.19029	0.21946	0.17085
2	1.07671	0.00334	-0.00205	-0.00118
3	1.07671	-0.00205	0.00469	-0.00005
4	1.07671	-0.00118	-0.00005	0.00113

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	3	3	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	10.021	2.773
AIC	10.021	6.773
SBC	10.021	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.2487	2	0.0267	
Score	7.1176	2	0.0285	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-33.09128	69658	0.0000	0.9996	0.000
int	0	0	.	.	.	.
C	1	-10.93977	7410	0.0000	0.9988	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	4852197042	.	294449463
int	.	.	.	.
C	.	294449463	.	54903175

Obs	_RMSE_	Intercept	A	C
1	1.04299	-0.18115	0.21858	0.17743
2	1.04299	0.00316	-0.00183	-0.00117
3	1.04299	-0.00183	0.00447	-0.00004
4	1.04299	-0.00117	-0.00004	0.00107

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.690

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	141.02998	50129	0.0000	0.9978	1.772E61
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2512947346	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.01081	-0.22311	0.12254	0.16786
2	1.01081	0.00261	-0.00169	-0.00095
3	1.01081	-0.00169	0.00433	0.00004
4	1.01081	-0.00095	0.00004	0.00095

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	3	2	40.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.189	0.000
AIC	8.189	4.000
SBC	8.189	2.197

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	8.1887	2	0.0167
Score	6.4914	2	0.0389
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-48.83130	705200	0.0000	0.9999	0.000
int	0	0	.	.	.	.
C	1	-29.64114	196616	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	497307285687	.	59255211577
int	.	.	.	.
C	.	59255211577	.	38657939183

Obs	_RMSE_	Intercept	A	C
1	1.06141	-0.34670	0.26136	0.22972
2	1.06141	0.00313	-0.00189	-0.00111
3	1.06141	-0.000189	0.00458	-0.00012
4	1.06141	-0.000111	-0.00012	0.00111

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	2	0	0.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1.386	0.000
AIC	1.386	2.000
SBC	1.386	0.693

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1.3863	1	0.2390
Score	1.0000	1	0.3173
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	538.94310	10071322	0.0000	1.0000	1.15E234
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	1.0143153E14	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.07329	-0.11409	0.11453	0.20274
2	1.07329	0.00303	-0.00192	-0.00104
3	1.07329	-0.00192	0.00471	-0.00011
4	1.07329	-0.000104	-0.00011	0.00107

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	4	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.978

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-20.52129	7294	0.0000	0.9978	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	53207143.70	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04772	-0.18702	0.21977	0.15926
2	1.04772	0.00314	-0.00187	-0.00120
3	1.04772	-0.00187	0.00453	-0.00000
4	1.04772	-0.00120	-0.00000	0.00113

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	7.167	2.773
AIC	7.167	6.773
SBC	7.167	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	4.3944	2	0.1111	
Score	3.7273	2	0.1551	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	73.88183	778199	0.0000	0.9999	1.22E32
int	0	0	.	.	.	.
C	1	-14.28785	54250	0.0000	0.9998	0.000

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	605593107238	.	40848977157	
int	.	.	.	.	.
C	.	40848977157	.	2943072477.7	

Obs	_RMSE_	Intercept	A	C
1	1.06169	-0.077934	0.19674	0.068727
2	1.06169	0.003218	-0.00218	-0.001120
3	1.06169	-0.002175	0.00454	0.000080
4	1.06169	-0.001120	0.00008	0.001117

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	5	2	28.57

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	16.604	5.545
AIC	16.604	9.545
SBC	16.604	8.764

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	11.0589	2	0.0040	
Score	9.8216	2	0.0074	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-38.91473	47794	0.0000	0.9994	0.000
int	0	0	.	.	.	.
C	1	-22.23411	8643	0.0000	0.9979	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2284271740	.	213377637
int	.	.	.	.
C	.	213377637	.	74695460

Obs	_RMSE_	Intercept	A	C
1	1.06600	-0.19527	0.21920	0.18257
2	1.06600	0.00307	-0.00190	-0.00111
3	1.06600	-0.00190	0.00469	-0.00004
4	1.06600	-0.00111	-0.00004	0.00110

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	2	2	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	5.545	2.773
AIC	5.545	4.773
SBC	5.545	3.466

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	2.7726	1	0.0959
Score	2.0000	1	0.1573
Wald	0.0000	1	0.9985

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	255.23109	138966	0.0000	0.9985	7.01E110
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	19311454137	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04424	-0.13459	0.23184	0.12682
2	1.04424	0.00302	-0.00191	-0.00104
3	1.04424	-0.00191	0.00446	0.00001
4	1.04424	-0.00104	0.00001	0.00096

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	2	1	33.33

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.584	0.000
AIC	3.584	4.000
SBC	3.584	1.386

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.5835	2	0.1667
Score	2.6000	2	0.2725
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-7.52165	636893	0.0000	1.0000	0.001
int	0	0	.	.	.	.
C	1	-27.07043	329462	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	405632754045	.	-74238140829
int	.	.	.	.
C	.	-74238140829	.	108545484424

Obs	_RMSE_	Intercept	A	C
1	1.07826	-0.28404	0.20544	0.20266
2	1.07826	0.00328	-0.00205	-0.00119
3	1.07826	-0.00205	0.00477	0.00004
4	1.07826	-0.00119	0.00004	0.00112

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	3	3	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	9.940	2.773
AIC	9.940	6.773
SBC	9.940	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.1670	2	0.0278	
Score	5.2857	2	0.0712	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-29.02122	18968	0.0000	0.9988	0.000
int	0	0	.	.	.	.
C	1	-10.67321	6129	0.0000	0.9986	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	359776611.5	.	41201226.6
int	.	.	.	.
C	.	41201226.6	.	37568349.2

Obs	_RMSE_	Intercept	A	C
1	1.09288	-0.20485	0.16363	0.20116
2	1.09288	0.00347	-0.00212	-0.00127
3	1.09288	-0.00212	0.00485	0.00000
4	1.09288	-0.00127	0.00000	0.00120

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	2	1	33.33

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.584	0.000
AIC	3.584	4.000
SBC	3.584	1.386

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.5835	2	0.1667
Score	2.6000	2	0.2725
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-7.52165	636893	0.0000	1.0000	0.001
int	0	0	.	.	.	.
C	1	-27.07043	329462	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	405632754045	.	-74238140829
int	.	.	.	.
C	.	-74238140829	.	108545484424

Obs	_RMSE_	Intercept	A	C
1	1.06326	-0.12579	0.19423	0.14716
2	1.06326	0.00300	-0.00183	-0.00111
3	1.06326	-0.00183	0.00472	-0.00004
4	1.06326	-0.00111	-0.00004	0.00110

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	2	3	60.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	6.438	2.773
AIC	6.438	4.773
SBC	6.438	3.466

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	3.6652	1	0.0556	
Score	3.0000	1	0.0833	
Wald	0.0000	1	0.9986	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	158.93765	87732	0.0000	0.9986	1.061E69
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	7696939194	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.01334	-0.26148	0.36687	0.16490
2	1.01334	0.00293	-0.00187	-0.00107
3	1.01334	-0.00187	0.00420	0.00007
4	1.01334	-0.00107	0.00007	0.00101

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	2	1	33.33

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.584	0.000
AIC	3.584	4.000
SBC	3.584	1.386

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.5835	2	0.1667
Score	2.6000	2	0.2725
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-38.92089	593802	0.0000	0.9999	0.000
int	0	0	.	.	.	.
C	1	-13.67610	160710	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	352600749691	.	34023622556
int	.	.	.	.
C	.	34023622556	.	25827822889

Obs	_RMSE_	Intercept	A	C
1	1.04753	-0.10741	0.14509	0.16472
2	1.04753	0.00284	-0.00182	-0.00096
3	1.04753	-0.00182	0.00449	-0.00011
4	1.04753	-0.00096	-0.00011	0.00101

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	7	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	22.093	13.863
AIC	22.093	17.863
SBC	22.093	17.755

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	8.2299	2	0.0163	
Score	6.6471	2	0.0360	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-29.91834	7636	0.0000	0.9969	0.000
int	0	0	.	.	.	.
C	1	-15.84381	4033	0.0000	0.9969	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	58303691.36	.	11711516.62
int	.	.	.	.
C	.	11711516.62	.	16266439.24

Obs	_RMSE_	Intercept	A	C
1	1.06694	-0.16483	0.089087	0.16498
2	1.06694	0.00333	-0.002009	-0.00125
3	1.06694	-0.00201	0.004627	-0.00001
4	1.06694	-0.00125	-0.000013	0.00119

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	2	2	50.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	5.545	2.773
AIC	5.545	4.773
SBC	5.545	3.466

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	2.7726	1	0.0959
Score	2.0000	1	0.1573
Wald	0.0000	1	0.9985

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	255.23109	138966	0.0000	0.9985	7.01E110
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	19311454137	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05951	-0.23955	0.22309	0.19304
2	1.05951	0.00312	-0.00199	-0.00109
3	1.05951	-0.000199	0.00456	-0.00001
4	1.05951	-0.000109	-0.00001	0.00106

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	2	2	50.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	4.970	0.000
AIC	4.970	4.000
SBC	4.970	1.386

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	4.9698	2	0.0833
Score	4.1429	2	0.1260
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	151.78810	14340327	0.0000	1.0000	8.332E65
int	0	0	.	.	.	.
C	1	-15.26173	957388	0.0000	1.0000	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2.0564496E14	.	1.3163714E13
int	.	.	.	.
C	.	1.3163714E13	.	916591705113

Obs	_RMSE_	Intercept	A	C
1	1.05127	-0.079052	0.10797	0.088543
2	1.05127	0.003052	-0.00194	-0.001106
3	1.05127	-0.001942	0.00453	0.000026
4	1.05127	-0.001106	0.00003	0.001076

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	6.356	0.000
AIC	6.356	4.000
SBC	6.356	2.197

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	6.3561	2	0.0417
Score	4.6018	2	0.1002
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-48.05493	611567	0.0000	0.9999	0.000
int	0	0	.	.	.	.
C	1	-28.92363	200438	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	374014143137	.	50902464507
int	.	.	.	.
C	.	50902464507	.	40175402243

Obs	_RMSE_	Intercept	A	C
1	1.08048	-0.17159	0.080261	0.19120
2	1.08048	0.00331	-0.002104	-0.00121
3	1.08048	-0.00210	0.004763	0.00005
4	1.08048	-0.00121	0.000050	0.00116

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	4	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.978

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	359.27185	127704	0.0000	0.9978	1.07E156
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	16308233365	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03503	-0.23833	0.19701	0.19756
2	1.03503	0.00292	-0.00191	-0.00106
3	1.03503	-0.00191	0.00443	0.00008
4	1.03503	-0.00106	0.00008	0.00103

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA175
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	4	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	5.545
AIC	8.318	7.545
SBC	8.318	6.931

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2.7726	1	0.0959	
Score	2.0000	1	0.1573	
Wald	0.0000	1	0.9977	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-22.68082	7902	0.0000	0.9977	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	62434291.51	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.08934	-0.20922	0.24525	0.12150
2	1.08934	0.00320	-0.00196	-0.00110
3	1.08934	-0.00196	0.00486	-0.00011
4	1.08934	-0.00110	-0.00011	0.00107

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	0	3	100.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	.

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	
Score	0.0000	0	.	
Wald	0.0000	0	.	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.02054	-0.26805	0.24590	0.18534
2	1.02054	0.00291	-0.00175	-0.00112
3	1.02054	-0.00175	0.00434	0.00001
4	1.02054	-0.00112	0.00001	0.00107

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	6	1	14.29

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	19.320	9.364
AIC	19.320	13.364
SBC	19.320	12.948

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.9560	2	0.0069	
Score	7.1748	2	0.0277	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-35.45472	19609	0.0000	0.9986	0.000
int	0	0	.	.	.	.
C	1	-21.42783	8643	0.0000	0.9980	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	384507297.4	.	71345389.8
int	.	.	.	.
C	.	71345389.8	.	74701877.6

Obs	_RMSE_	Intercept	A	C
1	1.04152	-0.13919	0.14864	0.17315
2	1.04152	0.00306	-0.00195	-0.00108
3	1.04152	-0.00195	0.00439	0.00000
4	1.04152	-0.00108	0.00000	0.00105

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.690

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	141.02998	50129	0.0000	0.9978	1.772E61
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2512947346	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03684	-0.078208	0.064665	0.15809
2	1.03684	0.002948	-0.001841	-0.00108
3	1.03684	-0.001841	0.004428	0.00000
4	1.03684	-0.001076	0.000003	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	4	1	20.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	10.150	2.773
AIC	10.150	6.773
SBC	10.150	5.545

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.3778	2	0.0250	
Score	5.8269	2	0.0543	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-39.90699	63475	0.0000	0.9995	0.000
int	0	0	.	.	.	.
C	1	-22.79427	14757	0.0000	0.9988	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	4029021286	.	425486419
int	.	.	.	.
C	.	425486419	.	217769355

Obs	_RMSE_	Intercept	A	C
1	1.10328	-0.26094	0.23332	0.18901
2	1.10328	0.00353	-0.00210	-0.00133
3	1.10328	-0.00210	0.00498	-0.00001
4	1.10328	-0.00133	-0.00001	0.00125

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	8

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
8	6	2	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	21.599	9.364
AIC	21.599	13.364
SBC	21.599	12.948

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	12.2349	2	0.0022	
Score	11.6396	2	0.0030	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-39.09119	51086	0.0000	0.9994	0.000
int	0	0	.	.	.	.
C	1	-22.26534	8813	0.0000	0.9980	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2609730272	.	239363494
int	.	.	.	.
C	.	239363494	.	77676594

Obs	_RMSE_	Intercept	A	C
1	1.00046	-0.11650	0.080125	0.18675
2	1.00046	0.00313	-0.001927	-0.00114
3	1.00046	-0.00193	0.004077	0.00012
4	1.00046	-0.00114	0.000119	0.00097

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	4	2	33.33

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	12.137	2.773
AIC	12.137	6.773
SBC	12.137	5.545

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.3643	2	0.0093	
Score	5.9766	2	0.0504	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-37.32109	28414	0.0000	0.9990	0.000
int	0	0	.	.	.	.
C	1	-23.09808	12731	0.0000	0.9986	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	807345690.8	.	152879615.8
int	.	.	.	.
C	.	152879615.8	.	162071604.1

Obs	_RMSE_	Intercept	A	C
1	1.02704	-0.20165	0.12659	0.18590
2	1.02704	0.00281	-0.00182	-0.00102
3	1.02704	-0.00182	0.00435	0.00002
4	1.02704	-0.00102	0.00002	0.00103

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	3	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	4.394	2.773
AIC	4.394	4.773
SBC	4.394	3.871

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.6219	1	0.2028	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9987	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	383.98027	232843	0.0000	0.9987	5.76E166
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	54215666364	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04733	-0.22453	0.12815	0.21586
2	1.04733	0.00301	-0.00190	-0.00107
3	1.04733	-0.00190	0.00453	0.00004
4	1.04733	-0.00107	0.00004	0.00100

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	6	1	14.29

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	19.320	9.364
AIC	19.320	13.364
SBC	19.320	12.948

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	9.9560	2	0.0069	
Score	7.1748	2	0.0277	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-35.45472	19609	0.0000	0.9986	0.000
int	0	0	.	.	.	.
C	1	-21.42783	8643	0.0000	0.9980	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	384507297.4	.	71345389.8
int	.	.	.	.
C	.	71345389.8	.	74701877.6

Obs	_RMSE_	Intercept	A	C
1	1.07148	-0.26689	0.22292	0.22253
2	1.07148	0.00317	-0.00209	-0.00112
3	1.07148	-0.00209	0.00467	0.00006
4	1.07148	-0.00112	0.00006	0.00110

Obs	_RMSE_	Intercept	A	C
1	1.07170	-0.17854	0.053005	0.22631
2	1.07170	0.00310	-0.001920	-0.00111
3	1.07170	-0.00192	0.004703	-0.00008
4	1.07170	-0.00111	-0.000082	0.00112

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA185
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	5	1	16.67

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	16.459	11.090
AIC	16.459	15.090
SBC	16.459	14.309

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	5.3687	2	0.0683	
Score	5.8276	2	0.0543	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-31.14358	31025	0.0000	0.9992	0.000
int	0	0	.	.	.	.
C	1	-9.49656	3038	0.0000	0.9975	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	962574614.6	.	57450268.5
int	.	.	.	.
C	.	57450268.5	.	9227267.6

Obs	_RMSE_	Intercept	A	C
1	1.02674	-0.10224	0.16445	0.12561
2	1.02674	0.00271	-0.00173	-0.00098
3	1.02674	-0.00173	0.00437	-0.00006
4	1.02674	-0.00098	-0.00006	0.00103

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	0	3	100.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	.

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	
Score	0.0000	0	.	
Wald	0.0000	0	.	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05307	-0.28873	0.16238	0.23694
2	1.05307	0.00306	-0.00189	-0.00113
3	1.05307	-0.00189	0.00456	-0.00001
4	1.05307	-0.00113	-0.00001	0.00110

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	4	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.978

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-20.52129	7294	0.0000	0.9978	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	53207143.70	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.07583	-0.16545	0.16290	0.16606
2	1.07583	0.00317	-0.00199	-0.00111
3	1.07583	-0.00199	0.00474	-0.00001
4	1.07583	-0.00111	-0.00001	0.00106

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	2	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	2.773	2.773
AIC	2.773	2.773
SBC	2.773	2.773

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	.
Score	0.0000	0	.	.
Wald	0.0000	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.07253	-0.24244	0.33790	0.16568
2	1.07253	0.00324	-0.00200	-0.00116
3	1.07253	-0.00200	0.00467	-0.00005
4	1.07253	-0.00116	-0.00005	0.00115

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	6	1	14.29

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	18.616	8.318
AIC	18.616	12.318
SBC	18.616	11.901

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	10.2981	2	0.0058	
Score	7.2420	2	0.0268	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-36.28586	20591	0.0000	0.9986	0.000
int	0	0	.	.	.	.
C	1	-21.22171	7643	0.0000	0.9978	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	423991463.1	.	65010868.1
int	.	.	.	.
C	.	65010868.1	.	58413327.0

Obs	_RMSE_	Intercept	A	C
1	1.07080	-0.16313	0.14923	0.14958
2	1.07080	0.00320	-0.00203	-0.00108
3	1.07080	-0.00203	0.00462	-0.00012
4	1.07080	-0.00108	-0.00012	0.00111

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	4	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	5.545
AIC	8.318	7.545
SBC	8.318	6.931

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	2.7726	1	0.0959	
Score	2.0000	1	0.1573	
Wald	0.0000	1	0.9977	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-21.38531	7450	0.0000	0.9977	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	55505606.06	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05304	-0.15372	0.14378	0.16785
2	1.05304	0.00294	-0.00193	-0.00102
3	1.05304	-0.00193	0.00456	0.00003
4	1.05304	-0.00102	0.00003	0.00100

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1	1	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	0.000

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	.
Score	0.0000	0	.	.
Wald	0.0000	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04077	-0.12767	0.065595	0.18679
2	1.04077	0.00316	-0.001950	-0.00115
3	1.04077	-0.00195	0.004436	0.00006
4	1.04077	-0.00115	0.000059	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	4	1	20.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	10.021	2.773
AIC	10.021	6.773
SBC	10.021	5.545

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	7.2487	2	0.0267	
Score	4.3081	2	0.1160	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-36.95924	28613	0.0000	0.9990	0.000
int	0	0	.	.	.	.
C	1	-22.48294	13553	0.0000	0.9987	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	818701298.2	.	166057783.7
int	.	.	.	.
C	.	166057783.7	.	183695509.6

Obs	_RMSE_	Intercept	A	C
1	1.07784	-0.22542	0.25733	0.14843
2	1.07784	0.00321	-0.00190	-0.00119
3	1.07784	-0.000190	0.00477	-0.00010
4	1.07784	-0.000119	-0.00010	0.00117

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	1

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
1	1	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	0.000	0.000
AIC	0.000	0.000
SBC	0.000	0.000

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	0.0000	0	.	.
Score	0.0000	0	.	.
Wald	0.0000	0	.	.

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	0	0	.	.	.	.
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	.	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.02239	-0.19901	0.16220	0.19546
2	1.02239	0.00284	-0.00182	-0.00099
3	1.02239	-0.00182	0.00428	0.00001
4	1.02239	-0.00099	0.00001	0.00096

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	6

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
6	5	1	16.67

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	14.099	5.545
AIC	14.099	9.545
SBC	14.099	8.764

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	8.5533	2	0.0139	
Score	5.5586	2	0.0621	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-36.13583	19431	0.0000	0.9985	0.000
int	0	0	.	.	.	.
C	1	-21.21100	7633	0.0000	0.9978	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	377577435.1	.	61477698.9
int	.	.	.	.
C	.	61477698.9	.	58265600.5

Obs	_RMSE_	Intercept	A	C
1	1.02808	-0.21921	0.18583	0.15670
2	1.02808	0.00270	-0.00176	-0.00091
3	1.02808	-0.00176	0.00435	-0.00005
4	1.02808	-0.00091	-0.00005	0.00094

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	5	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	12.429	9.364
AIC	12.429	11.364
SBC	12.429	10.974

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	3.0650	1	0.0800	
Score	2.0000	1	0.1573	
Wald	0.0000	1	0.9973	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-20.97789	6264	0.0000	0.9973	0.000
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	39239898.01	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04500	-0.12577	0.061329	0.16741
2	1.04500	0.00317	-0.001948	-0.00116
3	1.04500	-0.00195	0.004468	0.00004
4	1.04500	-0.00116	0.000042	0.00107

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	5

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
5	3	2	40.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.764	2.773
AIC	8.764	6.773
SBC	8.764	4.970

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	5.9915	2	0.0500	
Score	5.4286	2	0.0663	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-32.25079	51516	0.0000	0.9995	0.000
int	0	0	.	.	.	.
C	1	-10.72472	7027	0.0000	0.9988	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	2653868558	.	172232913
int	.	.	.	.
C	.	172232913	.	49375086

Obs	_RMSE_	Intercept	A	C
1	1.05213	-0.18433	0.17283	0.16509
2	1.05213	0.00321	-0.00202	-0.00121
3	1.05213	-0.00202	0.00457	0.00011
4	1.05213	-0.00121	0.00011	0.00112

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	3

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
3	2	1	33.33

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	3.584	0.000
AIC	3.584	4.000
SBC	3.584	1.386

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	3.5835	2	0.1667
Score	2.6000	2	0.2725
Wald	0.0000	2	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-7.52165	636893	0.0000	1.0000	0.001
int	0	0	.	.	.	.
C	1	-27.07043	329462	0.0000	0.9999	0.000

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	405632754045	.	-74238140829
int	.	.	.	.
C	.	-74238140829	.	108545484424

Obs	_RMSE_	Intercept	A	C
1	1.05322	-0.17534	0.048279	0.17319
2	1.05322	0.00308	-0.001965	-0.00109
3	1.05322	-0.00196	0.004537	0.00003
4	1.05322	-0.00109	0.000030	0.00103

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	7

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
7	7	0	0.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	19.993	13.183
AIC	19.993	17.183
SBC	19.993	17.075

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	6.8099	2	0.0332	
Score	4.6364	2	0.0985	
Wald	0.0000	2	1.0000	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-31.73377	10550	0.0000	0.9976	0.000
int	0	0	.	.	.	.
C	1	-15.50731	6248	0.0000	0.9980	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	111311424.5	.	27021805.5
int	.	.	.	.
C	.	27021805.5	.	39039224.0

Obs	_RMSE_	Intercept	A	C
1	0.97885	-0.057657	0.029431	0.13546
2	0.97885	0.002656	-0.001762	-0.00089
3	0.97885	-0.001762	0.003857	-0.00001
4	0.97885	-0.000892	-0.000013	0.00090

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	4

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
4	3	1	25.00

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	8.318	6.592
AIC	8.318	8.592
SBC	8.318	7.690

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	1.7261	1	0.1889	
Score	1.0000	1	0.3173	
Wald	0.0000	1	0.9978	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	232.16489	82523	0.0000	0.9978	6.73E100
int	0	0	.	.	.	.
C	0	0	.	.	.	.

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	6810101689	.	.
int	.	.	.	.
C	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03379	-0.027007	0.11636	0.11719
2	1.03379	0.003035	-0.00198	-0.00109
3	1.03379	-0.001981	0.00436	0.00009
4	1.03379	-0.001093	0.00009	0.00104

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	1000
Number of Observations Used	2

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
2	2	0	0.00

Convergence Status			
WARNING: Iteration limit reached without convergence.			

Convergence was not attained in 25 iterations.

The PHREG procedure continues in spite of the above warning. Results shown are based on the last maximum likelihood iteration. Validity of the model fit is questionable.

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	1.386	0.000
AIC	1.386	2.000
SBC	1.386	0.693

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1.3863	1	0.2390
Score	1.0000	1	0.3173
Wald	0.0000	1	1.0000

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	538.94310	10071322	0.0000	1.0000	1.15E234
int	0	0	.	.	.	.
C	0	0	.	.	.	.

## The PHREG Procedure

The validity of the model fit is questionable.

Estimated Covariance Matrix					
Parameter	A	M_cont	int	C	
A	.	.	.	.	.
M_cont	.	1.0143153E14	.	.	.
int	.	.	.	.	.
C	.	.	.	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05306	-0.19851	0.12309	0.16860
2	1.05306	0.00300	-0.00200	-0.00107
3	1.05306	-0.00200	0.00450	0.00002
4	1.05306	-0.00107	0.00002	0.00111

## The PHREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Ycen_int
Censoring Variable	delta
Censoring Value(s)	1
Ties Handling	BRESLOW

Number of Observations Read	100000
Number of Observations Used	468

Summary of the Number of Event and Censored Values			
Total	Event	Censored	Percent Censored
468	357	111	23.72

Convergence Status			
Convergence criterion (GCONV=1E-8) satisfied.			

Model Fit Statistics		
Criterion	Without Covariates	With Covariates
-2 LOG L	4151.080	3418.527
AIC	4151.080	3422.527
SBC	4151.080	3430.283

Testing Global Null Hypothesis: BETA=0				
Test	Chi-Square	DF	Pr > ChiSq	
Likelihood Ratio	732.5527	2	<.0001	
Score	537.0020	2	<.0001	
Wald	0.0034	2	0.9983	

Analysis of Maximum Likelihood Estimates						
Parameter	DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio
A	0	0	.	.	.	.
M_cont	1	-33.34340	1119	0.0009	0.9762	0.000
int	0	0	.	.	.	.
C	1	-19.34681	333.46997	0.0034	0.9537	0.000

Estimated Covariance Matrix				
Parameter	A	M_cont	int	C
A	.	.	.	.
M_cont	.	1252214.312	.	157014.000
int	.	.	.	.
C	.	157014.000	.	111202.221

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3870.46767	1935.23384	1761.09	<.0001
Error	99997	109885	1.09888		
Corrected Total	99999	113756			

Root MSE	1.04828	R-Square	0.0340
Dependent Mean	0.07078	Adj R-Sq	0.0340
Coeff Var	1480.99237		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.18146	0.00551	-32.96	<.0001
A	1	0.17261	0.00671	25.73	<.0001
C	1	0.17399	0.00325	53.58	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.04828	-0.18146	0.17261	0.17399
2	1.04828	0.00003	-0.00002	-0.00001
3	1.04828	-0.00002	0.00005	0.00000
4	1.04828	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	1	0	1.00000	1
2	marginal pnde	1	0	1.00000	1
3	marginal pnie	5.5554E28	5.462E29	0.00003	6.4147E26
4	marginal tnde	1	0	1.00000	1
5	marginal tnie	5.5554E28	5.462E29	0.00003	6.4147E26
6	marginal total effect	5.5554E28	5.462E29	0.00003	6.4147E26
7	conditional cde	1	0	1.00000	1
8	conditional pnde	1	0	1.00000	1
9	conditional pnie	5.5554E28	5.462E29	0.00003	6.4147E26
10	conditional tnde	1	0	1.00000	1
11	conditional tnie	5.5554E28	5.462E29	0.00003	6.4147E26
12	conditional total effect	5.5554E28	5.462E29	0.00003	6.4147E26

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-3.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.915

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.9159	295038.8	-578280	578250.5	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	41.0525	1169146	-2291443	2291525	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	87047904192	-3.449434E11	0
M_cont	-3.449434E11	1.3669018E12	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07180	-0.16420	0.095985	0.15316
2	1.07180	0.00322	-0.002066	-0.00116
3	1.07180	-0.00207	0.004701	0.00006
4	1.07180	-0.00116	0.000062	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	9
Noncensored Values	8
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-8.81451178

Number of Observations Read	1000
Number of Observations Used	9
Missing Values	991

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	17.629
AIC (smaller is better)	23.629
AICC (smaller is better)	28.429
BIC (smaller is better)	24.221

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-48.389
Exponential AIC (smaller is better)	-42.389
Exponential AICC (smaller is better)	-37.589
Exponential BIC (smaller is better)	-41.798

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.7228	0.0989

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.5800	1.2681	-9.0653	-4.0946	26.93	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1287	0.8583	-0.5535	2.8109	1.73	0.1885
int	0	0.0000	.	.	.	.	.
C	1	1.0099	0.6120	-0.1896	2.2094	2.72	0.0989
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.608006	-0.461194	-0.658235	0	
M_cont	-0.461194	0.736628	-0.016371	0	
C	-0.658235	-0.016371	0.374548	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.02064	-0.35635	0.33914	0.20104
2	1.02064	0.00288	-0.00185	-0.00105
3	1.02064	-0.00185	0.00428	0.00005
4	1.02064	-0.00105	0.00005	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-5

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	10.000
AIC (smaller is better)	14.000
AICC (smaller is better)	20.000
BIC (smaller is better)	13.219

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-33.023
Exponential AIC (smaller is better)	-29.023
Exponential AICC (smaller is better)	-23.023
Exponential BIC (smaller is better)	-29.804

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	0.7773	-6.2678	-3.2207	37.25	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	1.0725	-1.3565	2.8475	0.48	0.4870
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.604229	-0.681865	0
M_cont	-0.681865	1.150188	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.09775	-0.16310	0.14657	0.22059
2	1.09775	0.00365	-0.00231	-0.00134
3	1.09775	-0.00231	0.00491	0.00015
4	1.09775	-0.00134	0.00015	0.00120

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-5

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	10.000
AIC (smaller is better)	16.000
AICC (smaller is better)	40.000
BIC (smaller is better)	14.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-27.780
Exponential AIC (smaller is better)	-21.780
Exponential AICC (smaller is better)	2.220
Exponential BIC (smaller is better)	-22.952

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1935	0.6601

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	2.0068	-9.4252	-1.5587	7.49	0.0062
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.4270	-1.8135	3.7802	0.47	0.4908
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.9049	-1.3756	2.1716	0.19	0.6601
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.027239	-1.092408	-1.370250	0
M_cont	-1.092408	2.036308	-0.361283	0
C	-1.370250	-0.361283	0.818850	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.09544	-0.20114	0.20390	0.20978
2	1.09544	0.00360	-0.00220	-0.00133
3	1.09544	-0.00220	0.00485	0.00002
4	1.09544	-0.00133	0.00002	0.00126

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	36.000
BIC (smaller is better)	10.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-15.726
Exponential AIC (smaller is better)	-9.726
Exponential AICC (smaller is better)	14.274
Exponential BIC (smaller is better)	-10.898

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	827.9325	26.9886	775.0359	880.8292	941.09	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-723.189	25.1906	-772.562	-673.817	824.19	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-27.7133	0.0000	-27.7133	-27.7133	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	728.383681	-679.704065	0	0
M_cont	-679.704065	634.568223	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07736	-0.11534	0.10257	0.17371
2	1.07736	0.00338	-0.00206	-0.00120
3	1.07736	-0.00206	0.00473	0.00002
4	1.07736	-0.00120	0.00002	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	7
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-7

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	14.000
AIC (smaller is better)	20.000
AICC (smaller is better)	28.000
BIC (smaller is better)	19.838

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-40.368
Exponential AIC (smaller is better)	-34.368
Exponential AICC (smaller is better)	-26.368
Exponential BIC (smaller is better)	-34.530

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.3268	0.5675

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	1.8510	-9.1197	-1.8641	8.80	0.0030
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.3013	-1.5672	3.5339	0.57	0.4498
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.6962	-0.9666	1.7626	0.33	0.5675
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.426103	-1.834171	-0.913966	0	
M_cont	-1.834171	1.693391	0.118138	0	
C	-0.913966	0.118138	0.484727	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.05396	-0.25013	0.13215	0.25161
2	1.05396	0.00275	-0.00175	-0.00099
3	1.05396	-0.00175	0.00468	-0.00008
4	1.05396	-0.00099	-0.00008	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-18.798
Exponential AIC (smaller is better)	-12.798
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-14.639

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-28.7269	388416.9	-761312	761254.3	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	8.3743	123554.1	-242153	242169.9	0.00	0.9999
int	0	0.0000	.	.	.	.	.
C	1	12.7669	206769.8	-405249	405274.1	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	150867663253	-47990487923	-80312875817	0	
M_cont	-47990487923	15265610149	25547251239	0	
C	-80312875817	25547251239	42753747775	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05360	-0.14000	0.089246	0.19648
2	1.05360	0.00287	-0.001832	-0.00101
3	1.05360	-0.00183	0.004545	-0.00012
4	1.05360	-0.00101	-0.000121	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	3.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-5.843
Exponential AIC (smaller is better)	-1.843
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.457

WARNING: The relative gradient convergence criterion of 1.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	247.5518	1.0000	245.5919	249.5118	61281.9	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-227.879	0.0000	-227.879	-227.879	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.000000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.11044	-0.16382	0.076026	0.19237
2	1.11044	0.00340	-0.002157	-0.00121
3	1.11044	-0.00216	0.005037	0.00000
4	1.11044	-0.00121	0.000001	0.00117

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	2.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-4.942
Exponential AIC (smaller is better)	-2.942
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.942

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.4708	1.0000	-5.4308	-1.5109	12.05	0.0005
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05868	-0.19538	0.13608	0.19487
2	1.05868	0.00304	-0.00195	-0.00109
3	1.05868	-0.00195	0.00464	0.00006
4	1.05868	-0.00109	0.00006	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	5.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.955
Exponential AIC (smaller is better)	-8.955
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-11.569

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	1.3299	-7.3509	-2.1376	12.73	0.0004
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	1.6615	-2.5109	4.0019	0.20	0.6536
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.768739	-1.871441	0
M_cont	-1.871441	2.760451	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.09404	-0.21643	0.19748	0.16725
2	1.09404	0.00311	-0.00201	-0.00108
3	1.09404	-0.00201	0.00496	-0.00001
4	1.09404	-0.00108	-0.00001	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	12
Noncensored Values	11
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-11.63049303

Number of Observations Read	1000
Number of Observations Used	12
Missing Values	988

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	23.261
AIC (smaller is better)	29.261
AICC (smaller is better)	32.261
BIC (smaller is better)	30.716

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-67.188
Exponential AIC (smaller is better)	-61.188
Exponential AICC (smaller is better)	-58.188
Exponential BIC (smaller is better)	-59.733

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.5910	0.1075

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.8789	1.4867	-9.7928	-3.9651	21.41	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3750	0.8089	-0.2105	2.9605	2.89	0.0892
int	0	0.0000	.	.	.	.	.
C	1	1.1458	0.7118	-0.2494	2.5410	2.59	0.1075
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	2.210264	-0.861101	-0.948305	0
M_cont	-0.861101	0.654385	0.226892	0
C	-0.948305	0.226892	0.506721	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05821	-0.18317	0.15110	0.19269
2	1.05821	0.00329	-0.00206	-0.00119
3	1.05821	-0.00206	0.00456	0.00007
4	1.05821	-0.00119	0.00007	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.693

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-11.686
Exponential AIC (smaller is better)	-9.686
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-10.993

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	0.7071	-5.3074	-2.5356	30.76	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04474	-0.22544	0.17442	0.18994
2	1.04474	0.00302	-0.00194	-0.00104
3	1.04474	-0.00194	0.00443	-0.00000
4	1.04474	-0.00104	-0.00000	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	3.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-4.942
Exponential AIC (smaller is better)	-0.942
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-3.555

WARNING: The relative gradient convergence criterion of 1.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	385.9490	1.0000	383.9891	387.9090	148957	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-369.146	0.0000	-369.146	-369.146	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.000000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04220	-0.16291	0.15797	0.14177
2	1.04220	0.00303	-0.00189	-0.00108
3	1.04220	-0.00189	0.00442	-0.00003
4	1.04220	-0.00108	-0.00003	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	6.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-9.883
Exponential AIC (smaller is better)	-5.883
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-7.686

WARNING: The relative gradient convergence criterion of 2.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	385.9486	0.7071	384.5627	387.3345	297913	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-369.145	0.0000	-369.145	-369.145	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.500000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03595	-0.20918	0.27526	0.14092
2	1.03595	0.00294	-0.00196	-0.00102
3	1.03595	-0.00196	0.00437	0.00006
4	1.03595	-0.00102	0.00006	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4.604987291

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	9.210
AIC (smaller is better)	15.210
AICC (smaller is better)	39.210
BIC (smaller is better)	14.038

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-23.799
Exponential AIC (smaller is better)	-17.799
Exponential AICC (smaller is better)	6.201
Exponential BIC (smaller is better)	-18.971

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.2749	0.1315

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9953	1.7353	-10.3965	-3.5940	16.25	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2119	1.2148	-1.1690	3.5928	1.00	0.3184
int	0	0.0000	.	.	.	.	.
C	1	1.2390	0.8215	-0.3711	2.8491	2.27	0.1315
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	3.011425	-0.947580	-1.192564	0
M_cont	-0.947580	1.475622	-0.019523	0
C	-1.192564	-0.019523	0.674813	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03975	-0.22267	0.23082	0.16693
2	1.03975	0.00294	-0.00190	-0.00104
3	1.03975	-0.00190	0.00442	0.00001
4	1.03975	-0.00104	0.00001	0.00103

Obs	_RMSE_	Intercept	A	C
1	1.01284	-0.19402	0.20998	0.15236
2	1.01284	0.00298	-0.00189	-0.00110
3	1.01284	-0.00189	0.00421	0.00010
4	1.01284	-0.00110	0.00010	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4.619561341

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	9.239
AIC (smaller is better)	15.239
AICC (smaller is better)	39.239
BIC (smaller is better)	14.067

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-22.501
Exponential AIC (smaller is better)	-16.501
Exponential AICC (smaller is better)	7.499
Exponential BIC (smaller is better)	-17.673

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.4060	0.1209

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9152	1.9664	-10.7692	-3.0611	12.37	0.0004
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2926	1.4070	-1.4650	4.0502	0.84	0.3582
int	0	0.0000	.	.	.	.	.
C	1	1.1853	0.7642	-0.3124	2.6831	2.41	0.1209
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.866706	-2.012805	-1.113850	0	
M_cont	-2.012805	1.979568	0.164869	0	
C	-1.113850	0.164869	0.583960	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.08492	-0.24053	0.21636	0.18314
2	1.08492	0.00324	-0.00209	-0.00116
3	1.08492	-0.00209	0.00481	0.00004
4	1.08492	-0.00116	0.00004	0.00114

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	12.000
AICC (smaller is better)	24.000
BIC (smaller is better)	10.773

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-20.668
Exponential AIC (smaller is better)	-16.668
Exponential AICC (smaller is better)	-4.668
Exponential BIC (smaller is better)	-17.896

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	25.3480	-43.3731	55.9891	0.06	0.8035
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	23.7500	-55.8188	37.2793	0.15	0.6963
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	642.519337	-601.896050	0
M_cont	-601.896050	564.060643	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04055	-0.14636	0.20792	0.15005
2	1.04055	0.00294	-0.00177	-0.00108
3	1.04055	-0.00177	0.00447	-0.00008
4	1.04055	-0.00108	-0.00008	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	8.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-19.166
Exponential AIC (smaller is better)	-15.166
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-16.969

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.9812	-6.8205	-2.9743	24.91	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	1.5260	-1.6387	4.3432	0.79	0.3756
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.962736	-1.210677	0
M_cont	-1.210677	2.328776	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07724	-0.20393	0.18078	0.16045
2	1.07724	0.00318	-0.00205	-0.00111
3	1.07724	-0.00205	0.00470	-0.00004
4	1.07724	-0.00111	-0.00004	0.00113

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	2.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-5.843
Exponential AIC (smaller is better)	-3.843
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-5.843

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	1.0000	-5.8815	-1.9616	15.38	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03155	-0.20957	0.30434	0.20225
2	1.03155	0.00293	-0.00186	-0.00105
3	1.03155	-0.00186	0.00442	0.00006
4	1.03155	-0.00105	0.00006	0.00097

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	8
Noncensored Values	7
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-7.978833005

Number of Observations Read	1000
Number of Observations Used	8
Missing Values	992

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	15.958
AIC (smaller is better)	21.958
AICC (smaller is better)	27.958
BIC (smaller is better)	22.196

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-35.706
Exponential AIC (smaller is better)	-29.706
Exponential AICC (smaller is better)	-23.706
Exponential BIC (smaller is better)	-29.468

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.7199	0.0991

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.3769	1.6983	-9.7055	-3.0483	14.10	0.0002
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7673	1.3679	-1.9138	3.4484	0.31	0.5749
int	0	0.0000	.	.	.	.	.
C	1	0.9604	0.5823	-0.1809	2.1017	2.72	0.0991
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.884195	-1.477663	-0.613653	0	
M_cont	-1.477663	1.871246	-0.134840	0	
C	-0.613653	-0.134840	0.339090	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.06933	-0.23583	0.20052	0.19713
2	1.06933	0.00321	-0.00206	-0.00116
3	1.06933	-0.00206	0.00468	0.00007
4	1.06933	-0.00116	0.00007	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3.604933967

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	7.210
AIC (smaller is better)	13.210
AICC (smaller is better)	.
BIC (smaller is better)	11.369

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.687
Exponential AIC (smaller is better)	-10.687
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-12.528

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.2663	0.1322

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9849	2.0081	-10.9207	-3.0491	12.10	0.0005
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2030	1.4908	-1.7190	4.1250	0.65	0.4197
int	0	0.0000	.	.	.	.	.
C	1	1.2385	0.8227	-0.3740	2.8510	2.27	0.1322
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.032483	-1.820872	-1.237953	0
M_cont	-1.820872	2.222612	0.019250	0
C	-1.237953	0.019250	0.676857	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03149	-0.23292	0.22873	0.18309
2	1.03149	0.00293	-0.00196	-0.00103
3	1.03149	-0.00196	0.00438	0.00012
4	1.03149	-0.000103	0.00012	0.00097

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-4.942
Exponential AIC (smaller is better)	-0.942
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-2.744

WARNING: The relative gradient convergence criterion of 1.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	399.9700	1.0000	398.0100	401.9299	159976	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-382.437	0.0000	-382.437	-382.437	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.000000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05303	-0.13557	0.15903	0.17299
2	1.05303	0.00309	-0.00196	-0.00114
3	1.05303	-0.00196	0.00460	0.00008
4	1.05303	-0.00114	0.00008	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.996
Exponential AIC (smaller is better)	-10.996
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-12.837

WARNING: The relative gradient convergence criterion of 3.0000000003 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	0.0000	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-43.8405	1.3331	-46.4533	-41.2276	1081.49	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-22.8100	1.5260	-25.8010	-19.8191	223.42	<.0001
int	0	0.0000	.	.	.	.	.
C	0	26.0696	0.0000	26.0696	26.0696	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	1.777169	-1.833677	0	0
M_cont	-1.833677	2.328776	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05447	-0.19332	0.19978	0.14016
2	1.05447	0.00328	-0.00201	-0.00117
3	1.05447	-0.00201	0.00453	0.00005
4	1.05447	-0.00117	0.00005	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	14.000
AICC (smaller is better)	.
BIC (smaller is better)	12.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-23.740
Exponential AIC (smaller is better)	-17.740
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-19.581

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1638	0.6857

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	2.2218	-9.8465	-1.1373	6.11	0.0134
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.3929	-1.7467	3.7134	0.50	0.4802
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.9835	-1.5296	2.3256	0.16	0.6857
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.936261	-2.003553	-1.763308	0
M_cont	-2.003553	1.940228	0.180123	0
C	-1.763308	0.180123	0.967274	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05278	-0.090923	0.078287	0.14132
2	1.05278	0.003215	-0.001975	-0.00118
3	1.05278	-0.001975	0.004553	0.00006
4	1.05278	-0.001182	0.000058	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	6.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-11.686
Exponential AIC (smaller is better)	-7.686
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-9.489

WARNING: The relative gradient convergence criterion of 2.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	247.5517	0.7071	246.1658	248.9376	122564	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-227.878	0.0000	-227.878	-227.878	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.500000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04897	-0.12330	0.091186	0.15243
2	1.04897	0.00309	-0.001992	-0.00106
3	1.04897	-0.00199	0.004444	-0.00001
4	1.04897	-0.00106	-0.000012	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-20.067
Exponential AIC (smaller is better)	-14.067
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-15.909

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-28.7269	388417.1	-761312	761254.8	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	8.3743	123554.2	-242153	242170.1	0.00	0.9999
int	0	0.0000	.	.	.	.	.
C	1	12.7669	206769.9	-405249	405274.4	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	150867842279	-47990544870	-80312971121	0	
M_cont	-47990544870	15265628264	25547281554	0	
C	-80312971121	25547281554	42753798509	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07094	-0.19050	0.15093	0.17770
2	1.07094	0.00317	-0.00207	-0.00110
3	1.07094	-0.00207	0.00467	0.00004
4	1.07094	-0.00110	0.00004	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	2.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-5.843
Exponential AIC (smaller is better)	-3.843
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-5.843

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	1.0000	-5.8815	-1.9616	15.38	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03609	-0.22806	0.29886	0.16191
2	1.03609	0.00301	-0.00191	-0.00109
3	1.03609	-0.00191	0.00438	0.00002
4	1.03609	-0.00109	0.00002	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	7
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-7

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	14.000
AIC (smaller is better)	20.000
AICC (smaller is better)	28.000
BIC (smaller is better)	19.838

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-40.736
Exponential AIC (smaller is better)	-34.736
Exponential AICC (smaller is better)	-26.736
Exponential BIC (smaller is better)	-34.898

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.3042	0.5813

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	1.5513	-8.5324	-2.4514	12.53	0.0004
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.0285	-1.0326	2.9993	0.91	0.3390
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.7216	-1.0164	1.8124	0.30	0.5813
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	2.406553	-0.671195	-0.894299	0
M_cont	-0.671195	1.057913	-0.114104	0
C	-0.894299	-0.114104	0.520777	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04845	-0.10271	0.13588	0.12979
2	1.04845	0.00286	-0.00187	-0.00100
3	1.04845	-0.00187	0.00451	-0.00002
4	1.04845	-0.00100	-0.00002	0.00103

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3.604933967

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	7.210
AIC (smaller is better)	13.210
AICC (smaller is better)	.
BIC (smaller is better)	11.369

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.687
Exponential AIC (smaller is better)	-10.687
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-12.528

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.2663	0.1322

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9849	2.0081	-10.9207	-3.0491	12.10	0.0005
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2030	1.4908	-1.7190	4.1250	0.65	0.4197
int	0	0.0000	.	.	.	.	.
C	1	1.2385	0.8227	-0.3740	2.8510	2.27	0.1322
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.032483	-1.820872	-1.237953	0
M_cont	-1.820872	2.222612	0.019250	0
C	-1.237953	0.019250	0.676857	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02883	-0.20405	0.17379	0.15629
2	1.02883	0.00287	-0.00186	-0.00100
3	1.02883	-0.00186	0.00430	-0.00003
4	1.02883	-0.00100	-0.00003	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	8.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.996
Exponential AIC (smaller is better)	-12.996
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-14.798

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	1.3331	-7.5102	-2.2845	13.50	0.0002
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	1.5260	-1.6387	4.3432	0.79	0.3756
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.777169	-1.833677	0
M_cont	-1.833677	2.328776	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04777	-0.31974	0.25998	0.25536
2	1.04777	0.00312	-0.00185	-0.00121
3	1.04777	-0.00185	0.00459	0.00003
4	1.04777	-0.00121	0.00003	0.00113

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.628
Exponential AIC (smaller is better)	-10.628
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-12.469

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	797.5851	27.3967	743.8885	851.2817	847.53	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-696.820	25.1906	-746.193	-647.447	765.18	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-26.6896	0.0000	-26.6896	-26.6896	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	750.581392	-689.988099	0	0
M_cont	-689.988099	634.568223	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05891	-0.19808	0.16229	0.19493
2	1.05891	0.00297	-0.00185	-0.00107
3	1.05891	-0.00185	0.00465	-0.00003
4	1.05891	-0.00107	-0.00003	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	14.000
AICC (smaller is better)	.
BIC (smaller is better)	12.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-25.009
Exponential AIC (smaller is better)	-19.009
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-20.850

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1254	0.7232

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	2.1543	-9.7143	-1.2696	6.50	0.0108
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.2133	-1.3946	3.3614	0.66	0.4177
int	0	0.0000	.	.	.	.	.
C	1	0.3980	1.1239	-1.8048	2.6008	0.13	0.7232
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.641002	-0.759978	-2.174634	0
M_cont	-0.759978	1.472067	-0.123209	0
C	-2.174634	-0.123209	1.263168	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06228	-0.16506	0.19567	0.17876
2	1.06228	0.00325	-0.00209	-0.00116
3	1.06228	-0.00209	0.00461	0.00010
4	1.06228	-0.00116	0.00010	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-3.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.915

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.9159	295038.8	-578280	578250.5	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	41.0526	1169146	-2291443	2291525	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	87047904192	-3.449434E11	0
M_cont	-3.449434E11	1.3669018E12	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.00362	-0.22929	0.33951	0.17117
2	1.00362	0.00292	-0.00181	-0.00106
3	1.00362	-0.00181	0.00409	0.00001
4	1.00362	-0.00106	0.00001	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-19.166
Exponential AIC (smaller is better)	-13.166
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-15.007

WARNING: The relative gradient convergence criterion of 3.0000000003 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	0.0000	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-43.8405	0.9812	-45.7636	-41.9174	1996.38	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-22.8101	1.5260	-25.8010	-19.8191	223.42	<.0001
int	0	0.0000	.	.	.	.	.
C	0	26.0696	0.0000	26.0696	26.0696	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	0.962736	-1.210677	0	0
M_cont	-1.210677	2.328776	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03597	-0.14282	0.13137	0.14447
2	1.03597	0.00293	-0.00183	-0.00107
3	1.03597	-0.00183	0.00442	-0.00000
4	1.03597	-0.00107	-0.00000	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	8.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-15.726
Exponential AIC (smaller is better)	-11.726
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-13.529

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	26.9886	-46.5886	59.2047	0.05	0.8152
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	25.1906	-58.6425	40.1030	0.14	0.7129
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	728.383681	-679.704065	0
M_cont	-679.704065	634.568223	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02270	-0.15091	0.11144	0.13740
2	1.02270	0.00309	-0.00197	-0.00112
3	1.02270	-0.00197	0.00432	0.00015
4	1.02270	-0.00112	0.00015	0.00097

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	5.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.955
Exponential AIC (smaller is better)	-8.955
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-11.569

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	1.3299	-7.3509	-2.1376	12.73	0.0004
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	1.6615	-2.5109	4.0019	0.20	0.6536
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.768739	-1.871441	0
M_cont	-1.871441	2.760451	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02824	-0.10068	0.092884	0.13489
2	1.02824	0.00285	-0.001843	-0.00099
3	1.02824	-0.00184	0.004286	-0.00006
4	1.02824	-0.00099	-0.000061	0.00103

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	6.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-14.224
Exponential AIC (smaller is better)	-10.224
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-12.027

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.5689	253078.0	-496038	496009.2	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	39.6776	1002868	-1965546	1965625	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	64048478873	-2.538039E11	0
M_cont	-2.538039E11	1.0057448E12	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07770	-0.18092	0.16519	0.14561
2	1.07770	0.00315	-0.00197	-0.00113
3	1.07770	-0.00197	0.00477	-0.00003
4	1.07770	-0.00113	-0.00003	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	4
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-5.008631163

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	10.017
AIC (smaller is better)	16.017
AICC (smaller is better)	24.017
BIC (smaller is better)	15.855

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-22.992
Exponential AIC (smaller is better)	-16.992
Exponential AICC (smaller is better)	-8.992
Exponential BIC (smaller is better)	-17.154

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	4.6099	0.0318

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-7.7588	1.6709	-11.0338	-4.4839	21.56	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3915	1.2164	-0.9925	3.7755	1.31	0.2526
int	0	0.0000	.	.	.	.	.
C	1	1.6560	0.7713	0.1443	3.1676	4.61	0.0318
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	2.792003	-0.975758	-1.059242	0
M_cont	-0.975758	1.479517	-0.005203	0
C	-1.059242	-0.005203	0.594849	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06290	-0.21785	0.17485	0.18122
2	1.06290	0.00288	-0.00186	-0.00100
3	1.06290	-0.000186	0.00463	-0.00011
4	1.06290	-0.000100	-0.00011	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	0
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1.92875E-22

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	0.000
AIC (smaller is better)	2.000
AICC (smaller is better)	.
BIC (smaller is better)	0.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	0.000
Exponential AIC (smaller is better)	2.000
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	0.000

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	47.3027	7.2E10	-1.41E11	1.411E11	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.03366	-0.20272	0.18956	0.16085
2	1.03366	0.00314	-0.00200	-0.00108
3	1.03366	-0.00200	0.00431	0.00004
4	1.03366	-0.00108	0.00004	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.693

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-11.686
Exponential AIC (smaller is better)	-9.686
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-10.993

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	0.7071	-5.3074	-2.5356	30.76	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05428	-0.19623	0.30651	0.17660
2	1.05428	0.00294	-0.00184	-0.00103
3	1.05428	-0.00184	0.00461	-0.00003
4	1.05428	-0.000103	-0.00003	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	2.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-4.942
Exponential AIC (smaller is better)	-2.942
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.942

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.4708	1.0000	-5.4308	-1.5109	12.05	0.0005
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05387	-0.16721	0.15853	0.20270
2	1.05387	0.00304	-0.00194	-0.00114
3	1.05387	-0.00194	0.00466	0.00010
4	1.05387	-0.00114	0.00010	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA143
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	5.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.955
Exponential AIC (smaller is better)	-8.955
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-11.569

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	1.3299	-7.3509	-2.1376	12.73	0.0004
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	1.6615	-2.5109	4.0019	0.20	0.6536
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.768739	-1.871441	0
M_cont	-1.871441	2.760451	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03984	-0.11684	0.23251	0.12608
2	1.03984	0.00290	-0.00189	-0.00104
3	1.03984	-0.000189	0.00448	0.00007
4	1.03984	-0.000104	0.00007	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	3.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-3.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-5.726

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.5689	253074.5	-496031	496002.3	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	39.6777	1002854	-1965519	1965598	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	64046691009	-2.537968E11	0
M_cont	-2.537968E11	1.0057168E12	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05711	-0.097517	0.11516	0.14194
2	1.05711	0.003177	-0.00197	-0.00113
3	1.05711	-0.001966	0.00453	-0.00003
4	1.05711	-0.001127	-0.00003	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	8.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.054
Exponential AIC (smaller is better)	-6.054
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-7.895

WARNING: The relative gradient convergence criterion of 2.0000000002 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	0.0000	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-45.2895	1.3515	-47.9384	-42.6405	1122.92	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-23.7091	1.7621	-27.1627	-20.2554	181.03	<.0001
int	0	0.0000	.	.	.	.	.
C	0	27.0396	0.0000	27.0396	27.0396	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	1.826604	-2.029569	0	0
M_cont	-2.029569	3.105034	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07801	-0.20067	0.21076	0.16582
2	1.07801	0.00321	-0.00209	-0.00111
3	1.07801	-0.00209	0.00472	0.00003
4	1.07801	-0.00111	0.00003	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	3.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-5.843
Exponential AIC (smaller is better)	-1.843
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.457

WARNING: The relative gradient convergence criterion of 1.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	247.5518	1.0000	245.5919	249.5118	61281.9	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-227.879	0.0000	-227.879	-227.879	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.000000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06135	-0.16348	0.10880	0.13245
2	1.06135	0.00313	-0.00202	-0.00111
3	1.06135	-0.00202	0.00459	0.00003
4	1.06135	-0.00111	0.00003	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	7.296

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.054
Exponential AIC (smaller is better)	-6.054
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-8.758

WARNING: The relative gradient convergence criterion of 2.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	0.0000	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-45.2895	1.3515	-47.9384	-42.6406	1122.92	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-23.7091	1.7621	-27.1628	-20.2554	181.04	<.0001
int	0	0.0000	.	.	.	.	.
C	0	27.0396	0.0000	27.0396	27.0396	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	1.826604	-2.029569	0	0
M_cont	-2.029569	3.105034	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05171	-0.23652	0.22225	0.18172
2	1.05171	0.00299	-0.00185	-0.00113
3	1.05171	-0.00185	0.00457	-0.00002
4	1.05171	-0.00113	-0.00002	0.00114

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-18.798
Exponential AIC (smaller is better)	-12.798
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-14.639

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-28.7269	388416.9	-761312	761254.3	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	8.3743	123554.1	-242153	242169.9	0.00	0.9999
int	0	0.0000	.	.	.	.	.
C	1	12.7669	206769.8	-405249	405274.1	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	150867663253	-47990487923	-80312875817	0	
M_cont	-47990487923	15265610149	25547251239	0	
C	-80312875817	25547251239	42753747775	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06798	-0.21542	0.16371	0.17743
2	1.06798	0.00325	-0.00214	-0.00114
3	1.06798	-0.00214	0.00463	0.00009
4	1.06798	-0.00114	0.00009	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	6
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-6

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	12.000
AIC (smaller is better)	18.000
AICC (smaller is better)	30.000
BIC (smaller is better)	17.375

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-35.426
Exponential AIC (smaller is better)	-29.426
Exponential AICC (smaller is better)	-17.426
Exponential BIC (smaller is better)	-30.051

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1935	0.6600

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	2.1459	-9.6978	-1.2860	6.55	0.0105
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.3464	-1.6554	3.6222	0.53	0.4652
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.9049	-1.3755	2.1715	0.19	0.6600
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.604904	-2.209143	-1.541489	0
M_cont	-2.209143	1.812669	0.317751	0
C	-1.541489	0.317751	0.818782	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07747	-0.14832	0.20736	0.11875
2	1.07747	0.00328	-0.00214	-0.00116
3	1.07747	-0.00214	0.00474	0.00009
4	1.07747	-0.00116	0.00009	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	12.000
AICC (smaller is better)	24.000
BIC (smaller is better)	10.773

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-21.569
Exponential AIC (smaller is better)	-17.569
Exponential AICC (smaller is better)	-5.569
Exponential BIC (smaller is better)	-18.797

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	22.2033	-37.2097	49.8258	0.08	0.7763
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	20.5681	-49.5824	31.0429	0.20	0.6522
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	492.988358	-456.564055	0
M_cont	-456.564055	423.045482	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04229	-0.19370	0.19351	0.19684
2	1.04229	0.00296	-0.00196	-0.00098
3	1.04229	-0.00196	0.00439	-0.00002
4	1.04229	-0.00098	-0.00002	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	3.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-3.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-5.726

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.5689	253074.5	-496031	496002.3	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	39.6777	1002854	-1965519	1965598	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	64046691009	-2.537968E11	0
M_cont	-2.537968E11	1.0057168E12	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.01528	-0.15008	0.15401	0.18552
2	1.01528	0.00279	-0.00180	-0.00100
3	1.01528	-0.000180	0.00422	0.00001
4	1.01528	-0.000100	0.00001	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	12.000
AICC (smaller is better)	24.000
BIC (smaller is better)	10.773

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-25.911
Exponential AIC (smaller is better)	-21.911
Exponential AICC (smaller is better)	-9.911
Exponential BIC (smaller is better)	-23.138

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	0.9404	-6.5874	-2.9011	25.45	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	1.1748	-1.5571	3.0482	0.40	0.5257
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.884370	-0.935721	0
M_cont	-0.935721	1.380226	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03232	-0.22236	0.23762	0.17771
2	1.03232	0.00330	-0.00202	-0.00124
3	1.03232	-0.00202	0.00433	0.00010
4	1.03232	-0.00124	0.00010	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	6
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-6.624918199

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	13.250
AIC (smaller is better)	19.250
AICC (smaller is better)	27.250
BIC (smaller is better)	19.088

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-35.445
Exponential AIC (smaller is better)	-29.445
Exponential AICC (smaller is better)	-21.445
Exponential BIC (smaller is better)	-29.608

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.4896	0.1146

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9004	1.6681	-10.1699	-3.6309	17.11	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3350	1.0645	-0.7513	3.4214	1.57	0.2098
int	0	0.0000	.	.	.	.	.
C	1	1.1662	0.7391	-0.2824	2.6149	2.49	0.1146
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.782700	-1.212670	-1.021490	0	
M_cont	-1.212670	1.133131	0.183362	0	
C	-1.021490	0.183362	0.546306	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.03481	-0.17535	0.11198	0.19551
2	1.03481	0.00309	-0.00197	-0.00106
3	1.03481	-0.00197	0.00430	-0.00003
4	1.03481	-0.00106	-0.00003	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	7.296

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.955
Exponential AIC (smaller is better)	-6.955
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-9.659

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-29.6049	640402.4	-1255195	1255136	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	8.6536	203709.8	-399255	399272.5	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	1	13.2343	340911.7	-668161	668187.9	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	410115173596	-1.304562E11	-2.183207E11	0	
M_cont	-1.304562E11	41497682279	69447058110	0	
C	-2.183207E11	69447058110	116220801150	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.00121	-0.14507	0.10146	0.15118
2	1.00121	0.00275	-0.00176	-0.00096
3	1.00121	-0.00176	0.00406	-0.00004
4	1.00121	-0.00096	-0.00004	0.00097

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	0
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-3.8575E-22

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	0.000
AIC (smaller is better)	2.000
AICC (smaller is better)	.
BIC (smaller is better)	0.693

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	0.000
Exponential AIC (smaller is better)	2.000
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	0.693

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	47.3027	5.092E10	-9.98E10	9.979E10	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.05502	-0.21325	0.23240	0.18838
2	1.05502	0.00329	-0.00210	-0.00119
3	1.05502	-0.00210	0.00456	0.00014
4	1.05502	-0.00119	0.00014	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	5.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-10.785
Exponential AIC (smaller is better)	-6.785
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-9.398

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	31.4003	-55.2354	67.8514	0.04	0.8408
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	29.0876	-66.2805	47.7410	0.10	0.7500
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	985.976715	-913.128109	0
M_cont	-913.128109	846.090964	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08452	-0.18303	0.21734	0.15872
2	1.08452	0.00335	-0.00214	-0.00120
3	1.08452	-0.00214	0.00478	0.00004
4	1.08452	-0.00120	0.00004	0.00115

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	5.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.054
Exponential AIC (smaller is better)	-8.054
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-10.668

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	1.3515	-7.5463	-2.2484	13.13	0.0003
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	1.7621	-2.1014	4.8059	0.59	0.4428
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.826604	-2.029569	0
M_cont	-2.029569	3.105034	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04825	-0.28776	0.15396	0.19510
2	1.04825	0.00295	-0.00188	-0.00100
3	1.04825	-0.00188	0.00446	-0.00009
4	1.04825	-0.00100	-0.00009	0.00103

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.693

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-14.224
Exponential AIC (smaller is better)	-12.224
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-13.531

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.5561	0.7071	-5.9420	-3.1702	41.52	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04647	-0.24163	0.24658	0.16219
2	1.04647	0.00292	-0.00187	-0.00106
3	1.04647	-0.00187	0.00449	-0.00004
4	1.04647	-0.00106	-0.00004	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	8.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.054
Exponential AIC (smaller is better)	-6.054
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-7.895

WARNING: The relative gradient convergence criterion of 2.0000000002 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	0.0000	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-45.2895	1.3515	-47.9384	-42.6406	1122.93	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-23.7091	1.7621	-27.1628	-20.2554	181.04	<.0001
int	0	0.0000	.	.	.	.	.
C	0	27.0396	0.0000	27.0396	27.0396	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	1.826604	-2.029569	0	0
M_cont	-2.029569	3.105034	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08035	-0.24560	0.18981	0.17040
2	1.08035	0.00341	-0.00217	-0.00120
3	1.08035	-0.00217	0.00469	-0.00000
4	1.08035	-0.00120	-0.00000	0.00116

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	6
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-6.624918199

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	13.250
AIC (smaller is better)	19.250
AICC (smaller is better)	27.250
BIC (smaller is better)	19.088

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-35.445
Exponential AIC (smaller is better)	-29.445
Exponential AICC (smaller is better)	-21.445
Exponential BIC (smaller is better)	-29.608

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.4896	0.1146

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9004	1.6681	-10.1699	-3.6309	17.11	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3350	1.0645	-0.7513	3.4214	1.57	0.2098
int	0	0.0000	.	.	.	.	.
C	1	1.1662	0.7391	-0.2824	2.6149	2.49	0.1146
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.782700	-1.212670	-1.021490	0	
M_cont	-1.212670	1.133131	0.183362	0	
C	-1.021490	0.183362	0.546306	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.04447	-0.17039	0.14112	0.16901
2	1.04447	0.00316	-0.00200	-0.00111
3	1.04447	-0.00200	0.00442	0.00004
4	1.04447	-0.00111	0.00004	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-18.798
Exponential AIC (smaller is better)	-12.798
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-14.639

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-28.7269	388399.4	-761277	761220.0	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	8.3743	123548.5	-242142	242159.0	0.00	0.9999
int	0	0.0000	.	.	.	.	.
C	1	12.7669	206760.5	-405230	405255.8	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	150854058363	-47986160254	-80305633392	0	
M_cont	-47986160254	15264233532	25544947448	0	
C	-80305633392	25544947448	42749892343	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04931	-0.18645	0.23260	0.18386
2	1.04931	0.00331	-0.00220	-0.00114
3	1.04931	-0.00220	0.00444	0.00013
4	1.04931	-0.00114	0.00013	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	.
BIC (smaller is better)	5.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.955
Exponential AIC (smaller is better)	-8.955
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-11.569

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	1.3299	-7.3509	-2.1376	12.73	0.0004
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	1.6615	-2.5109	4.0019	0.20	0.6536
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.768739	-1.871441	0
M_cont	-1.871441	2.760451	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04740	-0.26024	0.22971	0.23268
2	1.04740	0.00289	-0.00190	-0.00101
3	1.04740	-0.000190	0.00448	-0.00001
4	1.04740	-0.000101	-0.00001	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	9.296

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-17.897
Exponential AIC (smaller is better)	-11.897
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-14.601

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1253	0.7234

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	2.3662	-10.1296	-0.8542	5.39	0.0203
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.4817	-1.9207	3.8874	0.44	0.5069
int	0	0.0000	.	.	.	.	.
C	1	0.3980	1.1244	-1.8058	2.6018	0.13	0.7234
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	5.598974	-1.592372	-2.206947	0	
M_cont	-1.592372	2.195345	-0.095132	0	
C	-2.206947	-0.095132	1.264258	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.06942	-0.16896	0.077198	0.15543
2	1.06942	0.00328	-0.002156	-0.00116
3	1.06942	-0.00216	0.004655	0.00011
4	1.06942	-0.00116	0.000109	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3.604933967

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	7.210
AIC (smaller is better)	13.210
AICC (smaller is better)	.
BIC (smaller is better)	11.369

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.687
Exponential AIC (smaller is better)	-10.687
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-12.528

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.2663	0.1322

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9849	2.0081	-10.9207	-3.0491	12.10	0.0005
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2030	1.4908	-1.7190	4.1250	0.65	0.4197
int	0	0.0000	.	.	.	.	.
C	1	1.2385	0.8227	-0.3740	2.8510	2.27	0.1322
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.032483	-1.820872	-1.237953	0
M_cont	-1.820872	2.222612	0.019250	0
C	-1.237953	0.019250	0.676857	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05501	-0.18797	0.20080	0.16313
2	1.05501	0.00305	-0.00186	-0.00112
3	1.05501	-0.00186	0.00459	-0.00003
4	1.05501	-0.00112	-0.00003	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-4.942
Exponential AIC (smaller is better)	-0.942
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-2.744

WARNING: The relative gradient convergence criterion of 1.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	399.9700	1.0000	398.0100	401.9299	159976	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-382.437	0.0000	-382.437	-382.437	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.000000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04792	-0.19656	0.11156	0.16617
2	1.04792	0.00303	-0.00185	-0.00110
3	1.04792	-0.00185	0.00452	-0.00003
4	1.04792	-0.00110	-0.00003	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-3.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.915

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.9159	295038.8	-578280	578250.5	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	41.0526	1169146	-2291443	2291525	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	87047904192	-3.449434E11	0
M_cont	-3.449434E11	1.3669018E12	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.00858	-0.15752	0.23385	0.13552
2	1.00858	0.00280	-0.00181	-0.00096
3	1.00858	-0.00181	0.00414	0.00001
4	1.00858	-0.00096	0.00001	0.00093

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	2
Right Censored Values	4
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	12.000
BIC (smaller is better)	7.584

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-14.224
Exponential AIC (smaller is better)	-10.224
Exponential AICC (smaller is better)	-6.224
Exponential BIC (smaller is better)	-10.641

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.9159	208623.9	-408910	408880.5	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	41.0526	826710.9	-1620283	1620365	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	43523952096	-1.724717E11	0
M_cont	-1.724717E11	683450888136	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06925	-0.22131	0.26484	0.15157
2	1.06925	0.00330	-0.00220	-0.00116
3	1.06925	-0.00220	0.00465	0.00014
4	1.06925	-0.00116	0.00014	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-20.067
Exponential AIC (smaller is better)	-14.067
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-15.909

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-28.7269	388406.7	-761292	761234.5	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	8.3743	123550.9	-242147	242163.6	0.00	0.9999
int	0	0.0000	.	.	.	.	.
C	1	12.7669	206764.4	-405238	405263.5	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	150859786437	-47987982335	-80308682675	0	
M_cont	-47987982335	15264813130	25545917414	0	
C	-80308682675	25545917414	42751515598	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07554	-0.17805	0.10428	0.18622
2	1.07554	0.00328	-0.00212	-0.00114
3	1.07554	-0.00212	0.00469	0.00005
4	1.07554	-0.00114	0.00005	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	2
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	8.000
AICC (smaller is better)	14.000
BIC (smaller is better)	7.219

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-11.686
Exponential AIC (smaller is better)	-7.686
Exponential AICC (smaller is better)	-1.686
Exponential BIC (smaller is better)	-8.467

WARNING: The relative gradient convergence criterion of 2.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	256.4620	0.7071	255.0761	257.8479	131545	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-235.953	0.0000	-235.953	-235.953	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.500000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07999	-0.15231	0.13436	0.17163
2	1.07999	0.00332	-0.00210	-0.00124
3	1.07999	-0.00210	0.00478	0.00007
4	1.07999	-0.00124	0.00007	0.00120

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4.604987291

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	9.210
AIC (smaller is better)	15.210
AICC (smaller is better)	39.210
BIC (smaller is better)	14.038

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-23.799
Exponential AIC (smaller is better)	-17.799
Exponential AICC (smaller is better)	6.201
Exponential BIC (smaller is better)	-18.971

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.2749	0.1315

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9953	1.7353	-10.3965	-3.5940	16.25	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2119	1.2148	-1.1690	3.5928	1.00	0.3184
int	0	0.0000	.	.	.	.	.
C	1	1.2390	0.8215	-0.3711	2.8491	2.27	0.1315
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.011425	-0.947580	-1.192564	0	
M_cont	-0.947580	1.475622	-0.019523	0	
C	-1.192564	-0.019523	0.674813	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.03637	-0.14334	0.097207	0.16697
2	1.03637	0.00295	-0.001904	-0.00104
3	1.03637	-0.00190	0.004393	0.00003
4	1.03637	-0.00104	0.000032	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	5
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-5

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	10.000
AIC (smaller is better)	16.000
AICC (smaller is better)	28.000
BIC (smaller is better)	15.375

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-27.413
Exponential AIC (smaller is better)	-21.413
Exponential AICC (smaller is better)	-9.413
Exponential BIC (smaller is better)	-22.037

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	797.5928	20.3598	757.6883	837.4974	1534.67	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-696.827	18.7760	-733.627	-660.027	1377.35	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-26.6899	0.0000	-26.6899	-26.6899	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	414.523250	-382.184051	0	0
M_cont	-382.184051	352.537902	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06010	-0.17462	0.12176	0.18092
2	1.06010	0.00310	-0.00197	-0.00116
3	1.06010	-0.00197	0.00468	0.00008
4	1.06010	-0.00116	0.00008	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-20.067
Exponential AIC (smaller is better)	-14.067
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-15.909

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-28.7269	388417.1	-761312	761254.8	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	8.3743	123554.2	-242153	242170.1	0.00	0.9999
int	0	0.0000	.	.	.	.	.
C	1	12.7669	206769.9	-405249	405274.4	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	150867842279	-47990544870	-80312971121	0	
M_cont	-47990544870	15265628264	25547281554	0	
C	-80312971121	25547281554	42753798509	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03009	-0.14200	0.20566	0.11241
2	1.03009	0.00308	-0.00198	-0.00111
3	1.03009	-0.00198	0.00430	0.00007
4	1.03009	-0.00111	0.00007	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4.782499413

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	9.565
AIC (smaller is better)	15.565
AICC (smaller is better)	39.565
BIC (smaller is better)	14.393

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-21.274
Exponential AIC (smaller is better)	-15.274
Exponential AICC (smaller is better)	8.726
Exponential BIC (smaller is better)	-16.445

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.5242	0.1121

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.6629	1.8207	-10.2314	-3.0944	13.39	0.0003
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9912	1.4282	-1.8080	3.7905	0.48	0.4877
int	0	0.0000	.	.	.	.	.
C	1	1.0874	0.6844	-0.2540	2.4288	2.52	0.1121
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.314974	-1.600673	-0.850755	0	
M_cont	-1.600673	2.039827	-0.084515	0	
C	-0.850755	-0.084515	0.468438	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.01628	-0.14572	0.073734	0.17564
2	1.01628	0.00279	-0.001827	-0.00102
3	1.01628	-0.00183	0.004258	0.00006
4	1.01628	-0.00102	0.000061	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4.619561341

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	9.239
AIC (smaller is better)	15.239
AICC (smaller is better)	39.239
BIC (smaller is better)	14.067

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-22.501
Exponential AIC (smaller is better)	-16.501
Exponential AICC (smaller is better)	7.499
Exponential BIC (smaller is better)	-17.673

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.4060	0.1209

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9152	1.9664	-10.7692	-3.0611	12.37	0.0004
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2926	1.4070	-1.4650	4.0502	0.84	0.3582
int	0	0.0000	.	.	.	.	.
C	1	1.1853	0.7642	-0.3124	2.6831	2.41	0.1209
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	3.866706	-2.012805	-1.113850	0
M_cont	-2.012805	1.979568	0.164869	0
C	-1.113850	0.164869	0.583960	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07429	-0.29906	0.23601	0.20486
2	1.07429	0.00329	-0.00223	-0.00115
3	1.07429	-0.00223	0.00473	0.00018
4	1.07429	-0.00115	0.00018	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA175
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	10.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-15.726
Exponential AIC (smaller is better)	-9.726
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-11.568

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	797.5851	26.9886	744.6884	850.4817	873.36	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-696.820	25.1906	-746.193	-647.447	765.18	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-26.6896	0.0000	-26.6896	-26.6896	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	728.383681	-679.704065	0	0
M_cont	-679.704065	634.568223	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02907	-0.24956	0.25294	0.21013
2	1.02907	0.00279	-0.00167	-0.00101
3	1.02907	-0.00167	0.00438	-0.00015
4	1.02907	-0.00101	-0.00015	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	14.000
AICC (smaller is better)	38.000
BIC (smaller is better)	12.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-20.668
Exponential AIC (smaller is better)	-14.668
Exponential AICC (smaller is better)	9.332
Exponential BIC (smaller is better)	-15.840

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	797.5851	25.3480	747.9040	847.2662	990.07	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-696.820	23.7500	-743.369	-650.271	860.83	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-26.6896	0.0000	-26.6896	-26.6896	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	642.519337	-601.896050	0	0
M_cont	-601.896050	564.060643	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.11123	-0.16811	0.15356	0.17026
2	1.11123	0.00347	-0.00237	-0.00118
3	1.11123	-0.00237	0.00501	0.00013
4	1.11123	-0.00118	0.00013	0.00113

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	.
BIC (smaller is better)	9.296

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-17.897
Exponential AIC (smaller is better)	-11.897
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-14.601

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1253	0.7234

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	2.3662	-10.1296	-0.8542	5.39	0.0203
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.4817	-1.9207	3.8874	0.44	0.5069
int	0	0.0000	.	.	.	.	.
C	1	0.3980	1.1244	-1.8058	2.6018	0.13	0.7234
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	5.598974	-1.592372	-2.206947	0	
M_cont	-1.592372	2.195345	-0.095132	0	
C	-2.206947	-0.095132	1.264258	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.00286	-0.11237	0.13225	0.11034
2	1.00286	0.00272	-0.00168	-0.00101
3	1.00286	-0.00168	0.00416	-0.00002
4	1.00286	-0.00101	-0.00002	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-5

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	10.000
AIC (smaller is better)	16.000
AICC (smaller is better)	40.000
BIC (smaller is better)	14.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-29.951
Exponential AIC (smaller is better)	-23.951
Exponential AICC (smaller is better)	0.049
Exponential BIC (smaller is better)	-25.123

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1705	0.6797

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	1.8607	-9.1388	-1.8450	8.71	0.0032
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.1631	-1.2963	3.2630	0.71	0.3979
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.9639	-1.4912	2.2872	0.17	0.6797
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.462200	-0.385005	-1.547112	0	
M_cont	-0.385005	1.352790	-0.322822	0	
C	-1.547112	-0.322822	0.929112	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.05617	-0.14744	0.16567	0.18575
2	1.05617	0.00336	-0.00203	-0.00128
3	1.05617	-0.00203	0.00454	0.00006
4	1.05617	-0.00128	0.00006	0.00117

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	10.000
AICC (smaller is better)	16.000
BIC (smaller is better)	9.219

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-21.337
Exponential AIC (smaller is better)	-17.337
Exponential AICC (smaller is better)	-11.337
Exponential BIC (smaller is better)	-18.118

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.5689	178954.4	-350759	350729.7	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	39.6777	709139.9	-1389849	1389928	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	32024686422	-1.269037E11	0
M_cont	-1.269037E11	502879433582	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.01652	-0.14687	0.19772	0.15087
2	1.01652	0.00275	-0.00176	-0.00096
3	1.01652	-0.00176	0.00421	-0.00007
4	1.01652	-0.00096	-0.00007	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	4
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4.84792422

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	9.696
AIC (smaller is better)	15.696
AICC (smaller is better)	27.696
BIC (smaller is better)	15.071

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-23.313
Exponential AIC (smaller is better)	-17.313
Exponential AICC (smaller is better)	-5.313
Exponential BIC (smaller is better)	-17.938

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	3.6114	0.0574

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-7.4646	1.6911	-10.7790	-4.1501	19.48	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3189	1.2158	-1.0640	3.7017	1.18	0.2780
int	0	0.0000	.	.	.	.	.
C	1	1.4958	0.7871	-0.0469	3.0386	3.61	0.0574
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.859747	-0.966902	-1.100462	0	
M_cont	-0.966902	1.478131	-0.009643	0	
C	-1.100462	-0.009643	0.619577	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.04608	-0.097450	0.18570	0.11999
2	1.04608	0.003076	-0.00195	-0.00107
3	1.04608	-0.001953	0.00443	-0.00002
4	1.04608	-0.001068	-0.00002	0.00103

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	7.296

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.955
Exponential AIC (smaller is better)	-6.955
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-9.659

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-29.6049	640402.4	-1255195	1255136	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	8.6536	203709.8	-399255	399272.5	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	1	13.2343	340911.7	-668161	668187.9	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	410115173596	-1.304562E11	-2.183207E11	0	
M_cont	-1.304562E11	41497682279	69447058110	0	
C	-2.183207E11	69447058110	116220801150	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04027	-0.18468	0.096152	0.21594
2	1.04027	0.00296	-0.001877	-0.00105
3	1.04027	-0.00188	0.004428	-0.00000
4	1.04027	-0.00105	-0.000005	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	2.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-5.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-7.112

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.5561	1.0000	-6.5161	-2.5961	20.76	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.04375	-0.12365	0.10726	0.13467
2	1.04375	0.00291	-0.00195	-0.00104
3	1.04375	-0.00195	0.00449	0.00009
4	1.04375	-0.000104	0.00009	0.00103

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	3
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	24.000
BIC (smaller is better)	11.375

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.996
Exponential AIC (smaller is better)	-10.996
Exponential AICC (smaller is better)	1.004
Exponential BIC (smaller is better)	-11.620

WARNING: The relative gradient convergence criterion of 3.0000000003 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	0.0000	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-45.2895	1.3331	-47.9024	-42.6767	1154.16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-23.7091	1.5260	-26.7001	-20.7181	241.38	<.0001
int	0	0.0000	.	.	.	.	.
C	0	27.0396	0.0000	27.0396	27.0396	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	1.777169	-1.833677	0	0
M_cont	-1.833677	2.328776	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02142	-0.22283	0.17419	0.18187
2	1.02142	0.00272	-0.00177	-0.00094
3	1.02142	-0.00177	0.00429	-0.00002
4	1.02142	-0.00094	-0.00002	0.00095

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA184
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	2
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	34.000
BIC (smaller is better)	8.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-10.785
Exponential AIC (smaller is better)	-4.785
Exponential AICC (smaller is better)	19.215
Exponential BIC (smaller is better)	-5.956

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	858.2816	31.4003	796.7382	919.8250	747.12	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-749.560	29.0876	-806.571	-692.549	664.04	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-28.7369	0.0000	-28.7369	-28.7369	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	985.976715	-913.128109	0	0
M_cont	-913.128109	846.090964	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05144	-0.21867	0.20611	0.17310
2	1.05144	0.00308	-0.00208	-0.00109
3	1.05144	-0.00208	0.00453	0.00013
4	1.05144	-0.00109	0.00013	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA185
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	10.000
AICC (smaller is better)	22.000
BIC (smaller is better)	8.773

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-17.529
Exponential AIC (smaller is better)	-13.529
Exponential AICC (smaller is better)	-1.529
Exponential BIC (smaller is better)	-14.757

WARNING: The relative gradient convergence criterion of 3.0000000003 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	238.6418	0.5774	237.5102	239.7733	170850	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-219.804	0.0000	-219.804	-219.804	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.333333	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04343	-0.15597	0.19616	0.14743
2	1.04343	0.00308	-0.00198	-0.00111
3	1.04343	-0.00198	0.00446	0.00008
4	1.04343	-0.00111	0.00008	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-5

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	10.000
AIC (smaller is better)	16.000
AICC (smaller is better)	40.000
BIC (smaller is better)	14.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-27.780
Exponential AIC (smaller is better)	-21.780
Exponential AICC (smaller is better)	2.220
Exponential BIC (smaller is better)	-22.952

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1935	0.6601

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	2.0068	-9.4252	-1.5587	7.49	0.0062
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.4270	-1.8135	3.7802	0.47	0.4908
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.9049	-1.3756	2.1716	0.19	0.6601
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	4.027239	-1.092408	-1.370250	0
M_cont	-1.092408	2.036308	-0.361283	0
C	-1.370250	-0.361283	0.818850	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08163	-0.17237	0.20590	0.15071
2	1.08163	0.00336	-0.00207	-0.00131
3	1.08163	-0.00207	0.00495	0.00015
4	1.08163	-0.00131	0.00015	0.00119

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	2.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-5.843
Exponential AIC (smaller is better)	-3.843
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-5.843

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	1.0000	-5.8815	-1.9616	15.38	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.02400	-0.15310	0.12668	0.15285
2	1.02400	0.00293	-0.00190	-0.00104
3	1.02400	-0.000190	0.00431	0.00008
4	1.02400	-0.000104	0.00008	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	10.000
AICC (smaller is better)	22.000
BIC (smaller is better)	8.773

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-17.529
Exponential AIC (smaller is better)	-13.529
Exponential AICC (smaller is better)	-1.529
Exponential BIC (smaller is better)	-14.757

WARNING: The relative gradient convergence criterion of 3.0000000003 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	238.6418	0.5774	237.5102	239.7733	170850	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-219.804	0.0000	-219.804	-219.804	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.333333	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02156	-0.16908	0.23393	0.12821
2	1.02156	0.00291	-0.00190	-0.00105
3	1.02156	-0.000190	0.00428	0.00008
4	1.02156	-0.000105	0.00008	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	12.000
AICC (smaller is better)	36.000
BIC (smaller is better)	10.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-16.628
Exponential AIC (smaller is better)	-10.628
Exponential AICC (smaller is better)	13.372
Exponential BIC (smaller is better)	-11.799

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	827.9255	27.3967	774.2289	881.6221	913.24	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-723.183	25.1906	-772.556	-673.811	824.17	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-27.7130	0.0000	-27.7130	-27.7130	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	750.581392	-689.988099	0	0
M_cont	-689.988099	634.568223	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07381	-0.18847	0.21442	0.13885
2	1.07381	0.00329	-0.00204	-0.00110
3	1.07381	-0.00204	0.00465	-0.00007
4	1.07381	-0.00110	-0.00007	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	3.386

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-5.843
Exponential AIC (smaller is better)	-1.843
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.457

WARNING: The relative gradient convergence criterion of 1.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	247.5518	1.0000	245.5919	249.5118	61281.9	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-227.879	0.0000	-227.879	-227.879	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.000000	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04600	-0.18880	0.27316	0.20047
2	1.04600	0.00294	-0.00186	-0.00109
3	1.04600	-0.00186	0.00454	0.00002
4	1.04600	-0.00109	0.00002	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-3

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	6.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	8.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-19.166
Exponential AIC (smaller is better)	-15.166
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-16.969

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.9812	-6.8205	-2.9743	24.91	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	1.5260	-1.6387	4.3432	0.79	0.3756
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.962736	-1.210677	0
M_cont	-1.210677	2.328776	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	0.99143	-0.13493	0.19714	0.15820
2	0.99143	0.00287	-0.00175	-0.00108
3	0.99143	-0.00175	0.00402	0.00004
4	0.99143	-0.000108	0.00004	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	1
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	2.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-5.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-7.112

Algorithm converged.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.5561	1.0000	-6.5161	-2.5961	20.76	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Obs	_RMSE_	Intercept	A	C
1	1.01006	-0.19448	0.24271	0.17068
2	1.01006	0.00291	-0.00189	-0.00104
3	1.01006	-0.000189	0.00414	0.00006
4	1.01006	-0.000104	0.00006	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	8
Noncensored Values	6
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-7.209867934

Number of Observations Read	1000
Number of Observations Used	8
Missing Values	992

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	14.420
AIC (smaller is better)	20.420
AICC (smaller is better)	26.420
BIC (smaller is better)	20.658

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-33.374
Exponential AIC (smaller is better)	-27.374
Exponential AICC (smaller is better)	-21.374
Exponential BIC (smaller is better)	-27.136

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	4.5326	0.0333

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9849	1.4199	-9.7679	-4.2018	24.20	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2030	1.0542	-0.8632	3.2692	1.30	0.2538
int	0	0.0000	.	.	.	.	.
C	1	1.2385	0.5817	0.0983	2.3787	4.53	0.0333
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.016242	-0.910436	-0.618976	0	
M_cont	-0.910436	1.111306	0.009625	0	
C	-0.618976	0.009625	0.338429	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.04065	-0.20066	0.29399	0.11366
2	1.04065	0.00311	-0.00190	-0.00114
3	1.04065	-0.00190	0.00438	-0.00006
4	1.04065	-0.00114	-0.00006	0.00113

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	12.000
AICC (smaller is better)	24.000
BIC (smaller is better)	10.773

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-24.108
Exponential AIC (smaller is better)	-20.108
Exponential AICC (smaller is better)	-8.108
Exponential BIC (smaller is better)	-21.335

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.9557	-6.7704	-3.0243	26.26	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	1.2460	-1.0899	3.7944	1.18	0.2778
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	0.913302	-1.014784	0
M_cont	-1.014784	1.552517	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02814	-0.051885	0.086626	0.11765
2	1.02814	0.002893	-0.001863	-0.00104
3	1.02814	-0.001863	0.004386	0.00008
4	1.02814	-0.001039	0.000075	0.00097

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	6
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-6.624918199

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	13.250
AIC (smaller is better)	19.250
AICC (smaller is better)	27.250
BIC (smaller is better)	19.088

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-35.445
Exponential AIC (smaller is better)	-29.445
Exponential AICC (smaller is better)	-21.445
Exponential BIC (smaller is better)	-29.608

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	2.4896	0.1146

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9004	1.6681	-10.1699	-3.6309	17.11	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3350	1.0645	-0.7513	3.4214	1.57	0.2098
int	0	0.0000	.	.	.	.	.
C	1	1.1662	0.7391	-0.2824	2.6149	2.49	0.1146
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.782700	-1.212670	-1.021490	0	
M_cont	-1.212670	1.133131	0.183362	0	
C	-1.021490	0.183362	0.546306	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.05412	-0.15080	0.12892	0.16945
2	1.05412	0.00315	-0.00201	-0.00115
3	1.05412	-0.00201	0.00453	0.00005
4	1.05412	-0.00115	0.00005	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Exponential
Log Likelihood	-1

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	2.000
AIC (smaller is better)	6.000
AICC (smaller is better)	.
BIC (smaller is better)	4.197

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-7.112
Exponential AIC (smaller is better)	-3.112
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-4.915

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	.	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-14.9159	295038.8	-578280	578250.5	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	1	41.0525	1169146	-2291443	2291525	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
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	.	.

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	87047904192	-3.449434E11	0
M_cont	-3.449434E11	1.3669018E12	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07381	-0.22752	0.20104	0.14086
2	1.07381	0.00378	-0.00221	-0.00142
3	1.07381	-0.00221	0.00465	0.00007
4	1.07381	-0.00142	0.00007	0.00122

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-4

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	8.000
AIC (smaller is better)	14.000
AICC (smaller is better)	38.000
BIC (smaller is better)	12.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-21.569
Exponential AIC (smaller is better)	-15.569
Exponential AICC (smaller is better)	8.431
Exponential BIC (smaller is better)	-16.741

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	797.5851	22.2033	754.0673	841.1028	1290.38	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-696.820	20.5681	-737.133	-656.507	1147.77	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-26.6896	0.0000	-26.6896	-26.6896	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	492.988358	-456.564055	0	0
M_cont	-456.564055	423.045482	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06577	-0.15968	0.091212	0.18964
2	1.06577	0.00296	-0.001813	-0.00108
3	1.06577	-0.00181	0.004750	-0.00007
4	1.06577	-0.00108	-0.000071	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-5

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	10.000
AIC (smaller is better)	16.000
AICC (smaller is better)	40.000
BIC (smaller is better)	14.828

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-29.951
Exponential AIC (smaller is better)	-23.951
Exponential AICC (smaller is better)	0.049
Exponential BIC (smaller is better)	-25.123

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.1705	0.6797

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	1.8607	-9.1388	-1.8450	8.71	0.0032
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	1.1631	-1.2963	3.2630	0.71	0.3979
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.9639	-1.4912	2.2872	0.17	0.6797
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.462200	-0.385005	-1.547112	0	
M_cont	-0.385005	1.352790	-0.322822	0	
C	-1.547112	-0.322822	0.929112	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.04088	-0.21832	0.20757	0.14006
2	1.04088	0.00295	-0.00202	-0.00103
3	1.04088	-0.00202	0.00444	0.00012
4	1.04088	-0.00103	0.00012	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	7.296

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.054
Exponential AIC (smaller is better)	-6.054
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-8.758

WARNING: The relative gradient convergence criterion of 2.0000000001 is greater than the limit of 0.0001. The convergence is questionable.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	0	0.0000	.

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-45.2895	1.3515	-47.9384	-42.6406	1122.92	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-23.7091	1.7621	-27.1628	-20.2554	181.04	<.0001
int	0	0.0000	.	.	.	.	.
C	0	27.0396	0.0000	27.0396	27.0396	.	.
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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	1.826604	-2.029569	0	0
M_cont	-2.029569	3.105034	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06747	-0.28037	0.15954	0.19467
2	1.06747	0.00302	-0.00185	-0.00112
3	1.06747	-0.00185	0.00478	-0.00002
4	1.06747	-0.00112	-0.00002	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-2

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	4.000
AIC (smaller is better)	10.000
AICC (smaller is better)	.
BIC (smaller is better)	8.159

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-12.955
Exponential AIC (smaller is better)	-6.955
Exponential AICC (smaller is better)	.
Exponential BIC (smaller is better)	-8.796

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	0.0000	1.0000

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-29.6048	452828.8	-887558	887498.6	0.00	0.9999
A	0	0.0000	.	.	.	.	.
M_cont	1	8.6536	144043.3	-282311	282328.3	0.00	1.0000
int	0	0.0000	.	.	.	.	.
C	1	13.2343	241058.9	-472453	472479.9	0.00	1.0000
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	.	.

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	205053948780	-65226960107	-1.091584E11	0	
M_cont	-65226960107	20748473026	34722913009	0	
C	-1.091584E11	34722913009	58109369612	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04542	-0.12492	0.087053	0.14877
2	1.04542	0.00276	-0.001879	-0.00094
3	1.04542	-0.00188	0.004478	-0.00002
4	1.04542	-0.00094	-0.000017	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	387
Noncensored Values	298
Right Censored Values	89
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Exponential
Log Likelihood	-352.2997639

Number of Observations Read	100000
Number of Observations Used	387
Missing Values	99613

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	704.600
AIC (smaller is better)	710.600
AICC (smaller is better)	710.662
BIC (smaller is better)	722.475

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-1679.33
Exponential AIC (smaller is better)	-1673.33
Exponential AICC (smaller is better)	-1673.26
Exponential BIC (smaller is better)	-1661.45

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	205.5417	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.9627	0.2052	-7.3650	-6.5604	1150.82	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.2363	0.1490	0.9443	1.5283	68.87	<.0001
int	0	0.0000	.	.	.	.	.
C	1	1.2200	0.0851	1.0532	1.3868	205.54	<.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	.	.

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	0.042126	-0.019023	-0.013316	0
M_cont	-0.019023	0.022193	0.000677	0
C	-0.013316	0.000677	0.007241	0
Scale	0	0	0	0

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3697.13075	1848.56538	1676.53	<.0001
Error	99997	110258	1.10262		
Corrected Total	99999	113955			

Root MSE	1.05006	R-Square	0.0324
Dependent Mean	0.06471	Adj R-Sq	0.0324
Coeff Var	1622.82300		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.18428	0.00554	-33.29	<.0001
A	1	0.17802	0.00671	26.52	<.0001
C	1	0.16831	0.00325	51.80	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.05006	-0.18428	0.17802	0.16831
2	1.05006	0.00003	-0.00002	-0.00001
3	1.05006	-0.00002	0.00005	0.00000
4	1.05006	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.82384	0.09235	0.72634	0.90715
2	marginal pnde	0.86381	0.09300	0.78903	0.93894
3	marginal pnie	1.02229	0.10392	1.00716	1.06560
4	marginal tnde	0.89019	0.09528	0.81606	0.95424
5	marginal tnie	1.05376	0.10900	1.02196	1.11797
6	marginal total effect	0.91915	0.09868	0.85002	0.99296
7	conditional cde	0.82384	0.09235	0.72634	0.90715
8	conditional pnde	0.86308	0.09294	0.78799	0.93834
9	conditional pnie	1.02229	0.10392	1.00716	1.06560
10	conditional tnde	0.88943	0.09521	0.81536	0.95292
11	conditional tnie	1.05376	0.10900	1.02196	1.11797
12	conditional total effect	0.91837	0.09861	0.84921	0.99216

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	1.4297952034

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-2.860
AIC (smaller is better)	5.140
AICC (smaller is better)	.
BIC (smaller is better)	2.686

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-26.757
Weibull AIC (smaller is better)	-18.757
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-21.211

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	101.9398	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9558	0.1656	-6.2803	-5.6313	1294.12	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.0958	0.1282	0.8445	1.3471	73.04	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6513	0.0645	0.5249	0.7778	101.94	<.0001
Scale	1	0.0853	0.0466	0.0292	0.2489		
Weibull Shape	1	11.7207	6.4023	4.0178	34.1913		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.027409	-0.013669	-0.007737	-0.001615	
M_cont	-0.013669	0.016439	0.000256	-0.000291	
C	-0.007737	0.000256	0.004161	0.001005	
Scale	-0.001615	-0.000291	0.001005	0.002172	

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	36.70777	18.35388	16.67	<.0001
Error	997	1097.64333	1.10095		
Corrected Total	999	1134.35110			

Root MSE	1.04926	R-Square	0.0324
Dependent Mean	0.06887	Adj R-Sq	0.0304
Coeff Var	1523.46932		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.17686	0.05518	-3.20	0.0014
A	1	0.16769	0.06710	2.50	0.0126
C	1	0.16923	0.03240	5.22	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.04926	-0.17686	0.16769	0.16923
2	1.04926	0.00305	-0.00193	-0.00109
3	1.04926	-0.00193	0.00450	0.00002
4	1.04926	-0.00109	0.00002	0.00105

Obs	effect	Estimate	p_value	_95_CI_lower	_95_CI_upper
1	marginal cde	1	1	0.14086	7.09933
2	marginal pnde	1	1	0.14086	7.09933
3	marginal pnie	1	1	0.14086	7.09933
4	marginal tnde	1	1	0.14086	7.09933
5	marginal tnie	1	1	0.14086	7.09933
6	marginal total effect	1	1	0.14086	7.09933
7	conditional cde	1	1	0.14086	7.09933
8	conditional pnde	1	1	0.14086	7.09933
9	conditional pnie	1	1	0.14086	7.09933
10	conditional tnde	1	1	0.14086	7.09933
11	conditional tnie	1	1	0.14086	7.09933
12	conditional total effect	1	1	0.14086	7.09933

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA11
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	35.500563507

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-71.001
AIC (smaller is better)	-63.001
AICC (smaller is better)	.
BIC (smaller is better)	-66.607

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-87.055
Weibull AIC (smaller is better)	-79.055
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-82.661

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	6.07E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	1.54E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.8490	0.0000	0.8490	0.8490	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.7726E8	0.0000	1.7726E8	1.7726E8		

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	6.2676E-17	-9.0164E-17	0	0
M_cont	-9.0164E-17	2.073268E-16	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05768	-0.14232	0.069720	0.16595
2	1.05768	0.00306	-0.001913	-0.00111
3	1.05768	-0.00191	0.004628	0.00002
4	1.05768	-0.00111	0.000019	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA12
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	34.887975623

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-69.776
AIC (smaller is better)	-61.776
AICC (smaller is better)	.
BIC (smaller is better)	-65.382

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-86.731
Weibull AIC (smaller is better)	-78.731
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-82.337

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	2.36E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	4.81E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.6153	0.0000	0.6153	0.6153	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.0312E8	0.0000	1.0312E8	1.0312E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.474216E-16	-1.61655E-16	0	0	
M_cont	-1.61655E-16	2.57701E-16	0	0	
C		0	0	0	0
Scale		0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05681	-0.17129	0.14224	0.15581
2	1.05681	0.00300	-0.00195	-0.00102
3	1.05681	-0.00195	0.00455	-0.00002
4	1.05681	-0.00102	-0.00002	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA13
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	7.2937227953

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-14.587
AIC (smaller is better)	-10.587
AICC (smaller is better)	.
BIC (smaller is better)	-14.587

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-22.430
Weibull AIC (smaller is better)	-18.430
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-22.430

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	0.0003	-3.9220	-3.9210	2.459E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	6.2540869E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02268	-0.13987	0.15779	0.14998
2	1.02268	0.00286	-0.00179	-0.00105
3	1.02268	-0.00179	0.00429	-0.00002
4	1.02268	-0.00105	-0.00002	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA14
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	4
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	65.023959916

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-130.048
AIC (smaller is better)	-124.048
AICC (smaller is better)	-112.048
BIC (smaller is better)	-124.673

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-161.420
Weibull AIC (smaller is better)	-155.420
Weibull AICC (smaller is better)	-143.420
Weibull BIC (smaller is better)	-156.045

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.9859	0.0000	6.9859	6.9859	1.9E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-9.8840	0.0000	-9.8840	-9.8840	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	31201913	0.0000	31201913	31201913		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	2.567897E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05446	-0.25110	0.14756	0.24882
2	1.05446	0.00302	-0.00191	-0.00109
3	1.05446	-0.00191	0.00456	-0.00001
4	1.05446	-0.00109	-0.00001	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA15
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	53.057195106

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-106.114
AIC (smaller is better)	-98.114
AICC (smaller is better)	.
BIC (smaller is better)	-99.677

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-129.110
Weibull AIC (smaller is better)	-121.110
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-122.672

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	4.4E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	2.49E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.8490	0.0000	0.8490	0.8490	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.3266E8	0.0000	1.3266E8	1.3266E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	8.638408E-17	-9.22344E-17	0	0	
M_cont	-9.22344E-17	1.284369E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.08215	-0.22845	0.22074	0.19849
2	1.08215	0.00357	-0.00225	-0.00128
3	1.08215	-0.00225	0.00478	0.00015
4	1.08215	-0.00128	0.00015	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA16
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	7.2937227953

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-14.587
AIC (smaller is better)	-10.587
AICC (smaller is better)	.
BIC (smaller is better)	-14.587

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-21.529
Weibull AIC (smaller is better)	-17.529
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-21.529

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.4708	0.0003	-3.4713	-3.4704	1.926E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	6.2540869E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08359	-0.072565	0.064420	0.17528
2	1.08359	0.003335	-0.002130	-0.00121
3	1.08359	-0.002130	0.004785	0.00006
4	1.08359	-0.001213	0.000056	0.00116

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA17
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	82.606771176

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-165.214
AIC (smaller is better)	-159.214
AICC (smaller is better)	-135.214
BIC (smaller is better)	-160.385

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-208.236
Weibull AIC (smaller is better)	-202.236
Weibull AICC (smaller is better)	-178.236
Weibull BIC (smaller is better)	-203.408

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	0.0000	-4.7442	-4.7442	6.17E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	0.0000	0.7455	0.7455	8E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	40684357	0.0000	40684357	40684357		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	3.650453E-16	-4.11949E-16	0
M_cont	-4.11949E-16	6.948866E-16	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06692	-0.25411	0.25907	0.21773
2	1.06692	0.00328	-0.00210	-0.00115
3	1.06692	-0.00210	0.00458	-0.00001
4	1.06692	-0.00115	-0.00001	0.00113

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA18
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	6
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	3.6171597677

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-7.234
AIC (smaller is better)	0.766
AICC (smaller is better)	20.766
BIC (smaller is better)	0.549

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-55.028
Weibull AIC (smaller is better)	-47.028
Weibull AICC (smaller is better)	-27.028
Weibull BIC (smaller is better)	-47.245

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	212.2749	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9048	0.1130	-6.1264	-5.6832	2728.49	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.0806	0.0896	0.9050	1.2562	145.43	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6240	0.0428	0.5401	0.7080	212.27	<.0001
Scale	1	0.0840	0.0317	0.0401	0.1762		
Weibull Shape	1	11.9046	4.4983	5.6765	24.9661		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.012779	-0.006666	-0.003445	-0.000187	
M_cont	-0.006666	0.008029	0.000139	-0.000291	
C	-0.003445	0.000139	0.001834	0.000163	
Scale	-0.000187	-0.000291	0.000163	0.001007	

Obs	_RMSE_	Intercept	A	C
1	1.03055	-0.25357	0.26486	0.19166
2	1.03055	0.00310	-0.00185	-0.00115
3	1.03055	-0.00185	0.00433	-0.00001
4	1.03055	-0.00115	-0.00001	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA19
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	6
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	106.28473134

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-212.569
AIC (smaller is better)	-204.569
AICC (smaller is better)	-184.569
BIC (smaller is better)	-204.786

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-263.435
Weibull AIC (smaller is better)	-255.435
Weibull AICC (smaller is better)	-235.435
Weibull BIC (smaller is better)	-255.652

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	1.16E18	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	2.46E16	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.6153	0.0000	0.6153	0.6153	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.3449E8	0.0000	1.3449E8	1.3449E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.007695E-17	-3.25112E-17	0	0	
M_cont	-3.25112E-17	5.028988E-17	0	0	
C		0	0	0	0
Scale		0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04139	-0.17724	0.19049	0.15721
2	1.04139	0.00286	-0.00195	-0.00095
3	1.04139	-0.00195	0.00440	0.00001
4	1.04139	-0.00095	0.00001	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA110
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	82.320338373

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-164.641
AIC (smaller is better)	-158.641
AICC (smaller is better)	-134.641
BIC (smaller is better)	-159.812

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-201.152
Weibull AIC (smaller is better)	-195.152
Weibull AICC (smaller is better)	-171.152
Weibull BIC (smaller is better)	-196.324

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	0.0000	6.3080	6.3080	1.44E14	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	0.0000	-9.2697	-9.2697	3.6E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	38419192	0.0000	38419192	38419192		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	2.758229E-13	-2.56604E-13	0
M_cont	-2.56604E-13	2.388413E-13	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03368	-0.099856	0.053141	0.16082
2	1.03368	0.003182	-0.001880	-0.00118
3	1.03368	-0.001880	0.004335	-0.00003
4	1.03368	-0.001181	-0.000029	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA111
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	83.282781771

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-166.566
AIC (smaller is better)	-160.566
AICC (smaller is better)	-136.566
BIC (smaller is better)	-161.737

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-207.786
Weibull AIC (smaller is better)	-201.786
Weibull AICC (smaller is better)	-177.786
Weibull BIC (smaller is better)	-202.957

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.0000	-4.8974	-4.8974	8.32E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	0.0000	1.3522	1.3522	3.07E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	46574156	0.0000	46574156	46574156		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	2.882905E-16	-3.41986E-16	0
M_cont	-3.41986E-16	5.964379E-16	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04264	-0.22761	0.21005	0.19457
2	1.04264	0.00320	-0.00198	-0.00120
3	1.04264	-0.00198	0.00446	0.00009
4	1.04264	-0.00120	0.00009	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA112
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	40.507822773

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-81.016
AIC (smaller is better)	-73.016
AICC (smaller is better)	.
BIC (smaller is better)	-76.621

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-95.800
Weibull AIC (smaller is better)	-87.800
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-91.406

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	1.69E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	3.49E17	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	2.9428E9	0.0000	2.9428E9	2.9428E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	4.393583E-16	-3.99836E-16	0	0	
M_cont	-3.99836E-16	3.639335E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.02488	-0.15133	0.082516	0.13936
2	1.02488	0.00297	-0.001878	-0.00109
3	1.02488	-0.00188	0.004310	0.00006
4	1.02488	-0.00109	0.000057	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA113
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	8
Noncensored Values	6
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	107.48017935

Number of Observations Read	1000
Number of Observations Used	8
Missing Values	992

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-214.960
AIC (smaller is better)	-206.960
AICC (smaller is better)	-193.627
BIC (smaller is better)	-206.643

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-260.952
Weibull AIC (smaller is better)	-252.952
Weibull AICC (smaller is better)	-239.618
Weibull BIC (smaller is better)	-252.634

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	1.38E18	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	7.93E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.8490	0.0000	0.8490	0.8490	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.6576E8	0.0000	1.6576E8	1.6576E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.755037E-17	-2.92804E-17	0	0	
M_cont	-2.92804E-17	4.029559E-17	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.06704	-0.21139	0.26235	0.15021
2	1.06704	0.00306	-0.00194	-0.00107
3	1.06704	-0.00194	0.00466	-0.00005
4	1.06704	-0.00107	-0.00005	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA114
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	8
Noncensored Values	7
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	5.1625089471

Number of Observations Read	1000
Number of Observations Used	8
Missing Values	992

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-10.325
AIC (smaller is better)	-2.325
AICC (smaller is better)	11.008
BIC (smaller is better)	-2.007

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-67.231
Weibull AIC (smaller is better)	-59.231
Weibull AICC (smaller is better)	-45.898
Weibull BIC (smaller is better)	-58.913

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	281.9188	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9040	0.0884	-6.0772	-5.7308	4462.88	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.0846	0.0690	0.9494	1.2198	247.23	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6225	0.0371	0.5498	0.6951	281.92	<.0001
Scale	1	0.0734	0.0262	0.0365	0.1477		
Weibull Shape	1	13.6211	4.8598	6.7689	27.4097		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.007810	-0.003489	-0.002506	-0.000101	
M_cont	-0.003489	0.004758	0.000037770	-0.000218	
C	-0.002506	0.000037770	0.001374	0.000095918	
Scale	-0.000101	-0.000218	0.000095918	0.000686	

Obs	_RMSE_	Intercept	A	C
1	1.02805	-0.17169	0.17140	0.17985
2	1.02805	0.00293	-0.00182	-0.00105
3	1.02805	-0.00182	0.00433	-0.00001
4	1.02805	-0.00105	-0.00001	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA115
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	35.500563507

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-71.001
AIC (smaller is better)	-63.001
AICC (smaller is better)	.
BIC (smaller is better)	-66.607

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-87.055
Weibull AIC (smaller is better)	-79.055
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-82.661

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	6.07E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	1.54E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.8490	0.0000	0.8490	0.8490	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.7726E8	0.0000	1.7726E8	1.7726E8		

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	6.2676E-17	-9.0164E-17	0	0
M_cont	-9.0164E-17	2.073268E-16	0	0
C	0	0	0	0
Scale	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05736	-0.12245	0.13731	0.13865
2	1.05736	0.00325	-0.00204	-0.00121
3	1.05736	-0.00204	0.00458	0.00008
4	1.05736	-0.00121	0.00008	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA116
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	1
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.332190228

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.664
AIC (smaller is better)	-26.664
AICC (smaller is better)	.
BIC (smaller is better)	-28.505

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-40.507
Weibull AIC (smaller is better)	-34.507
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-36.349

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.9859	0.0000	6.9859	6.9859	5.53E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-9.8840	0.0000	-9.8840	-9.8840	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	33672439	0.0000	33672439	33672439		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	8.81964E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07996	-0.18900	0.13066	0.17580
2	1.07996	0.00327	-0.00203	-0.00116
3	1.07996	-0.00203	0.00474	-0.00005
4	1.07996	-0.00116	-0.00005	0.00113

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA117
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	1.4297952034

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-2.860
AIC (smaller is better)	5.140
AICC (smaller is better)	.
BIC (smaller is better)	2.686

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-26.757
Weibull AIC (smaller is better)	-18.757
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-21.211

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	101.9398	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9558	0.1656	-6.2803	-5.6313	1294.12	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.0958	0.1282	0.8445	1.3471	73.04	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6513	0.0645	0.5249	0.7778	101.94	<.0001
Scale	1	0.0853	0.0466	0.0292	0.2489		
Weibull Shape	1	11.7207	6.4023	4.0178	34.1913		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.027409	-0.013669	-0.007737	-0.001615	
M_cont	-0.013669	0.016439	0.000256	-0.000291	
C	-0.007737	0.000256	0.004161	0.001005	
Scale	-0.001615	-0.000291	0.001005	0.002172	

Obs	_RMSE_	Intercept	A	C
1	1.07139	-0.035720	0.050899	0.092377
2	1.07139	0.003106	-0.001979	-0.001110
3	1.07139	-0.001979	0.004742	0.000029
4	1.07139	-0.001110	0.000029	0.001064

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA118
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	34.887975623

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-69.776
AIC (smaller is better)	-61.776
AICC (smaller is better)	.
BIC (smaller is better)	-65.382

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-86.731
Weibull AIC (smaller is better)	-78.731
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-82.337

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	2.36E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	4.81E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.6153	0.0000	0.6153	0.6153	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.0312E8	0.0000	1.0312E8	1.0312E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.474216E-16	-1.61655E-16	0	0	
M_cont	-1.61655E-16	2.57701E-16	0	0	
C		0	0	0	0
Scale		0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05753	-0.11608	0.065242	0.16139
2	1.05753	0.00333	-0.002173	-0.00119
3	1.05753	-0.00217	0.004531	0.00013
4	1.05753	-0.00119	0.000125	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA119
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	5
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	100.57986411

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-201.160
AIC (smaller is better)	-193.160
AICC (smaller is better)	-153.160
BIC (smaller is better)	-193.993

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-238.572
Weibull AIC (smaller is better)	-230.572
Weibull AICC (smaller is better)	-190.572
Weibull BIC (smaller is better)	-231.405

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	1.85E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	3.85E17	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	2.7958E9	0.0000	2.7958E9	2.7958E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	4.004943E-16	-3.63579E-16	0	0	
M_cont	-3.63579E-16	3.300928E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.07859	-0.12043	0.094372	0.13651
2	1.07859	0.00323	-0.002075	-0.00114
3	1.07859	-0.00208	0.004750	0.00004
4	1.07859	-0.00114	0.000036	0.00109

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA120
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	1
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.332190228

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.664
AIC (smaller is better)	-26.664
AICC (smaller is better)	.
BIC (smaller is better)	-28.505

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-40.507
Weibull AIC (smaller is better)	-34.507
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-36.349

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.9859	0.0000	6.9859	6.9859	5.53E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-9.8840	0.0000	-9.8840	-9.8840	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	33672439	0.0000	33672439	33672439		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	8.81964E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.01890	-0.18112	0.11364	0.15134
2	1.01890	0.00271	-0.00168	-0.00098
3	1.01890	-0.00168	0.00433	-0.00005
4	1.01890	-0.00098	-0.00005	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA121
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	33.496310426

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-66.993
AIC (smaller is better)	-60.993
AICC (smaller is better)	.
BIC (smaller is better)	-64.913

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-81.777
Weibull AIC (smaller is better)	-75.777
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-79.698

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	0.0000	6.3080	6.3080	1.05E14	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	0.0000	-9.2697	-9.2697	2.65E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	51041787	0.0000	51041787	51041787		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	3.784556E-13	-3.50493E-13	0
M_cont	-3.50493E-13	3.247621E-13	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05386	-0.18952	0.20801	0.10264
2	1.05386	0.00336	-0.00210	-0.00123
3	1.05386	-0.00210	0.00451	0.00010
4	1.05386	-0.00123	0.00010	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA122
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	7.2937227953

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-14.587
AIC (smaller is better)	-10.587
AICC (smaller is better)	.
BIC (smaller is better)	-14.587

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-21.529
Weibull AIC (smaller is better)	-17.529
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-21.529

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.4708	0.0003	-3.4713	-3.4704	1.926E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	6.2540869E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03675	-0.20098	0.18243	0.19033
2	1.03675	0.00285	-0.00183	-0.00104
3	1.03675	-0.00183	0.00449	0.00005
4	1.03675	-0.000104	0.00005	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA123
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	48.717825394

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-97.436
AIC (smaller is better)	-91.436
AICC (smaller is better)	-67.436
BIC (smaller is better)	-92.607

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-120.965
Weibull AIC (smaller is better)	-114.965
Weibull AICC (smaller is better)	-90.965
Weibull BIC (smaller is better)	-116.136

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.9859	0.0000	6.9859	6.9859	1.38E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-9.8840	0.0000	-9.8840	-9.8840	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	30684713	0.0000	30684713	30684713		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	3.540256E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05780	-0.26505	0.18716	0.19299
2	1.05780	0.00297	-0.00197	-0.00100
3	1.05780	-0.00197	0.00457	0.00001
4	1.05780	-0.00100	0.00001	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA124
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	49.655344723

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-99.311
AIC (smaller is better)	-93.311
AICC (smaller is better)	.
BIC (smaller is better)	-96.015

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-121.938
Weibull AIC (smaller is better)	-115.938
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-118.643

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	0.0000	6.3080	6.3080	9.33E13	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	0.0000	-9.2697	-9.2697	2.38E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	41941300	0.0000	41941300	41941300		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	4.266915E-13	-3.92245E-13	0
M_cont	-3.92245E-13	3.607402E-13	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03591	-0.19640	0.26186	0.10196
2	1.03591	0.00288	-0.00189	-0.00104
3	1.03591	-0.00189	0.00439	0.00002
4	1.03591	-0.000104	0.00002	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA125
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	10
Noncensored Values	9
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	8.5412725409

Number of Observations Read	1000
Number of Observations Used	10
Missing Values	990

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-17.083
AIC (smaller is better)	-9.083
AICC (smaller is better)	-1.083
BIC (smaller is better)	-7.872

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-89.675
Weibull AIC (smaller is better)	-81.675
Weibull AICC (smaller is better)	-73.675
Weibull BIC (smaller is better)	-80.464

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	492.5390	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.8978	0.0692	-6.0335	-5.7621	7255.50	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.0989	0.0506	0.9997	1.1981	471.30	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6166	0.0278	0.5622	0.6711	492.54	<.0001
Scale	1	0.0583	0.0189	0.0309	0.1102		
Weibull Shape	1	17.1388	5.5581	9.0769	32.3612		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.004794	-0.002434	-0.001468	-0.000002363	
M_cont	-0.002434	0.002562	0.000221	-0.000078005	
C	-0.001468	0.000221	0.000772	0.000016146	
Scale	-0.000002363	-0.000078005	0.000016146	0.000358	

Obs	_RMSE_	Intercept	A	C
1	1.04125	-0.19280	0.15969	0.17168
2	1.04125	0.00281	-0.00183	-0.00099
3	1.04125	-0.00183	0.00452	0.00002
4	1.04125	-0.00099	0.00002	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA126
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.356290766

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.713
AIC (smaller is better)	-26.713
AICC (smaller is better)	.
BIC (smaller is better)	-30.633

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-41.825
Weibull AIC (smaller is better)	-35.825
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-39.745

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.2010	0.0000	-5.2010	-5.2010	3.22E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	2.5556	0.0000	2.5556	2.5556	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	34493821	0.0000	34493821	34493821		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	8.404607E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07986	-0.20157	0.060317	0.19843
2	1.07986	0.00327	-0.002006	-0.00119
3	1.07986	-0.00201	0.004800	0.00001
4	1.07986	-0.00119	0.000009	0.00112

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA127
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	4
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	81.826576142

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-163.653
AIC (smaller is better)	-155.653
AICC (smaller is better)	-115.653
BIC (smaller is better)	-156.486

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-193.223
Weibull AIC (smaller is better)	-185.223
Weibull AICC (smaller is better)	-145.223
Weibull BIC (smaller is better)	-186.056

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	5.07E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	1.05E18	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	3.6042E9	0.0000	3.6042E9	3.6042E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.464529E-16	-1.33279E-16	0	0	
M_cont	-1.33279E-16	1.213112E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.08683	-0.072415	0.12677	0.18324
2	1.08683	0.003121	-0.00210	-0.00100
3	1.08683	-0.002098	0.00477	-0.00007
4	1.08683	-0.001003	-0.00007	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA128
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	7.2937227953

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-14.587
AIC (smaller is better)	-10.587
AICC (smaller is better)	.
BIC (smaller is better)	-14.587

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-22.430
Weibull AIC (smaller is better)	-18.430
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-22.430

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	0.0003	-3.9220	-3.9210	2.459E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	6.2540869E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	0.99316	-0.18024	0.14689	0.15559
2	0.99316	0.00261	-0.00172	-0.00091
3	0.99316	-0.00172	0.00406	0.00004
4	0.99316	-0.00091	0.00004	0.00089

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA129
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	49.636394417

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-99.273
AIC (smaller is better)	-93.273
AICC (smaller is better)	.
BIC (smaller is better)	-95.977

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-124.439
Weibull AIC (smaller is better)	-118.439
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-121.143

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.0000	-4.8974	-4.8974	4.33E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	0.0000	1.3522	1.3522	1.36E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	41677201	0.0000	41677201	41677201		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	5.542556E-16	-6.96997E-16	0
M_cont	-6.96997E-16	1.340697E-15	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03486	-0.20475	0.11562	0.20178
2	1.03486	0.00288	-0.00182	-0.00103
3	1.03486	-0.00182	0.00442	-0.00001
4	1.03486	-0.000103	-0.00001	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA130
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	34.951535218

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-69.903
AIC (smaller is better)	-61.903
AICC (smaller is better)	.
BIC (smaller is better)	-64.358

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-85.957
Weibull AIC (smaller is better)	-77.957
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-80.412

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	3.53E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	8.89E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.8490	0.0000	0.8490	0.8490	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.3528E8	0.0000	1.3528E8	1.3528E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.078332E-16	-1.55668E-16	0	0	
M_cont	-1.55668E-16	3.593651E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.04656	-0.23216	0.14986	0.17769
2	1.04656	0.00300	-0.00196	-0.00104
3	1.04656	-0.00196	0.00449	0.00006
4	1.04656	-0.00104	0.00006	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA131
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.264557256

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.529
AIC (smaller is better)	-26.529
AICC (smaller is better)	.
BIC (smaller is better)	-29.233

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-41.641
Weibull AIC (smaller is better)	-35.641
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-38.345

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.2010	0.0000	-5.2010	-5.2010	2.68E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	2.5556	0.0000	2.5556	2.5556	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	31470377	0.0000	31470377	31470377		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.009709E-15	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05605	-0.20689	0.16156	0.19042
2	1.05605	0.00321	-0.00210	-0.00114
3	1.05605	-0.00210	0.00453	0.00009
4	1.05605	-0.00114	0.00009	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA132
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	7.2937227953

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-14.587
AIC (smaller is better)	-10.587
AICC (smaller is better)	.
BIC (smaller is better)	-14.587

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-22.430
Weibull AIC (smaller is better)	-18.430
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-22.430

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	0.0003	-3.9220	-3.9210	2.459E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	6.2540869E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07508	-0.21819	0.30460	0.16071
2	1.07508	0.00327	-0.00206	-0.00116
3	1.07508	-0.00206	0.00468	-0.00002
4	1.07508	-0.00116	-0.00002	0.00113

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA133
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	72.147713573

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-144.295
AIC (smaller is better)	-136.295
AICC (smaller is better)	.
BIC (smaller is better)	-138.750

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-177.305
Weibull AIC (smaller is better)	-169.305
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-171.759

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	2.23E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	2.25E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	4.3E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.852E8	0.0000	1.852E8	1.852E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.353149E-16	-2.21582E-17	-6.34045E-17	0	
M_cont	-2.21582E-17	4.29202E-17	-3.59233E-18	0	
C	-6.34045E-17	-3.59233E-18	3.682943E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04303	-0.14686	0.12249	0.12936
2	1.04303	0.00310	-0.00198	-0.00108
3	1.04303	-0.00198	0.00440	0.00001
4	1.04303	-0.00108	0.00001	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA134
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	4
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	2.6369924237

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-5.274
AIC (smaller is better)	2.726
AICC (smaller is better)	42.726
BIC (smaller is better)	1.893

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-38.283
Weibull AIC (smaller is better)	-30.283
Weibull AICC (smaller is better)	9.717
Weibull BIC (smaller is better)	-31.116

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	160.9163	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9829	0.1125	-6.2034	-5.7624	2827.81	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1125	0.0802	0.9552	1.2697	192.27	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6638	0.0523	0.5613	0.7664	160.92	<.0001
Scale	1	0.0658	0.0322	0.0252	0.1719		
Weibull Shape	1	15.2002	7.4489	5.8172	39.7178		

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	0.012658	-0.004400	-0.004887	-0.001340
M_cont	-0.004400	0.006437	0.000064352	0.000013598
C	-0.004887	0.000064352	0.002738	0.000781
Scale	-0.001340	0.000013598	0.000781	0.001039

Obs	_RMSE_	Intercept	A	C
1	1.06878	-0.16571	0.11941	0.14308
2	1.06878	0.00301	-0.00204	-0.00103
3	1.06878	-0.00204	0.00464	0.00001
4	1.06878	-0.00103	0.00001	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA135
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.356290766

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.713
AIC (smaller is better)	-26.713
AICC (smaller is better)	.
BIC (smaller is better)	-30.633

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-41.825
Weibull AIC (smaller is better)	-35.825
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-39.745

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.2010	0.0000	-5.2010	-5.2010	3.22E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	2.5556	0.0000	2.5556	2.5556	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	34493821	0.0000	34493821	34493821		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	8.404607E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06527	-0.17961	0.16753	0.13182
2	1.06527	0.00289	-0.00180	-0.00104
3	1.06527	-0.000180	0.00471	-0.00014
4	1.06527	-0.000104	-0.00014	0.00112

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA136
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	72.147713573

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-144.295
AIC (smaller is better)	-136.295
AICC (smaller is better)	.
BIC (smaller is better)	-138.750

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-177.305
Weibull AIC (smaller is better)	-169.305
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-171.759

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	2.23E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	2.25E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	4.3E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.852E8	0.0000	1.852E8	1.852E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.353149E-16	-2.21582E-17	-6.34045E-17	0	
M_cont	-2.21582E-17	4.29202E-17	-3.59233E-18	0	
C	-6.34045E-17	-3.59233E-18	3.682943E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08173	-0.20667	0.20970	0.18855
2	1.08173	0.00337	-0.00209	-0.00124
3	1.08173	-0.00209	0.00481	0.00007
4	1.08173	-0.00124	0.00007	0.00114

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA137
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	0
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	-7.63334E-18

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	0.000
AIC (smaller is better)	4.000
AICC (smaller is better)	.
BIC (smaller is better)	0.000

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	0.000
Weibull AIC (smaller is better)	4.000
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	0.000

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-1.9994	6408855	-1.256E7	12561123	0.00	1.0000
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0177	0.0000	0.0177	0.0177		
Weibull Shape	0	56.4758	0.0000	56.4758	56.4758		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	4.1073423E13	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06424	-0.13377	0.23352	0.14939
2	1.06424	0.00301	-0.00196	-0.00103
3	1.06424	-0.00196	0.00469	0.00004
4	1.06424	-0.00103	0.00004	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA138
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	60.163798549

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-120.328
AIC (smaller is better)	-112.328
AICC (smaller is better)	.
BIC (smaller is better)	-114.782

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-142.955
Weibull AIC (smaller is better)	-134.955
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-137.410

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	7.15E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	1.49E17	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	2.7813E9	0.0000	2.7813E9	2.7813E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.038114E-15	-9.41492E-16	0	0	
M_cont	-9.41492E-16	8.538958E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.05321	-0.12607	0.19049	0.093303
2	1.05321	0.00288	-0.00192	-0.001057
3	1.05321	-0.00192	0.00463	0.000075
4	1.05321	-0.00106	0.00007	0.001083

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA139
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	4
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	2.5956228595

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-5.191
AIC (smaller is better)	2.809
AICC (smaller is better)	42.809
BIC (smaller is better)	1.976

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-36.931
Weibull AIC (smaller is better)	-28.931
Weibull AICC (smaller is better)	11.069
Weibull BIC (smaller is better)	-29.764

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	176.9996	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9766	0.1294	-6.2303	-5.7230	2132.86	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1218	0.0935	0.9386	1.3050	144.08	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6593	0.0496	0.5622	0.7565	177.00	<.0001
Scale	1	0.0658	0.0323	0.0252	0.1723		
Weibull Shape	1	15.1893	7.4540	5.8052	39.7424		

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	0.016748	-0.008996	-0.004730	-0.001246
M_cont	-0.008996	0.008734	0.000804	0.000155
C	-0.004730	0.000804	0.002456	0.000714
Scale	-0.001246	0.000155	0.000714	0.001044

Obs	_RMSE_	Intercept	A	C
1	1.04957	-0.16088	0.20535	0.18207
2	1.04957	0.00298	-0.00190	-0.00104
3	1.04957	-0.00190	0.00453	0.00000
4	1.04957	-0.00104	0.00000	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA140
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	32.559999805

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-65.120
AIC (smaller is better)	-59.120
AICC (smaller is better)	.
BIC (smaller is better)	-60.961

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-79.003
Weibull AIC (smaller is better)	-73.003
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-74.844

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	7.3748	0.0000	7.3748	7.3748	1.11E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-10.2810	0.0000	-10.2810	-10.2810	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	31960135	0.0000	31960135	31960135		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	4.895001E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05588	-0.12569	0.17763	0.15360
2	1.05588	0.00320	-0.00189	-0.00116
3	1.05588	-0.00189	0.00455	-0.00007
4	1.05588	-0.00116	-0.00007	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA141
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	33.496310426

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-66.993
AIC (smaller is better)	-60.993
AICC (smaller is better)	.
BIC (smaller is better)	-64.913

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-81.777
Weibull AIC (smaller is better)	-75.777
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-79.698

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	0.0000	6.3080	6.3080	1.05E14	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	0.0000	-9.2697	-9.2697	2.65E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	51041787	0.0000	51041787	51041787		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	3.784556E-13	-3.50493E-13	0
M_cont	-3.50493E-13	3.247621E-13	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06151	-0.24370	0.28759	0.15378
2	1.06151	0.00300	-0.00202	-0.00107
3	1.06151	-0.00202	0.00467	0.00011
4	1.06151	-0.00107	0.00011	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA142
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	9
Noncensored Values	6
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	103.72100178

Number of Observations Read	1000
Number of Observations Used	9
Missing Values	991

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-207.442
AIC (smaller is better)	-199.442
AICC (smaller is better)	-189.442
BIC (smaller is better)	-198.653

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-251.796
Weibull AIC (smaller is better)	-243.796
Weibull AICC (smaller is better)	-233.796
Weibull BIC (smaller is better)	-243.007

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	7.94E13	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	1.82E14	<.0001
int	0	0.0000	.	.	.	.	.
C	1	-0.0779	0.0000	-0.0779	-0.0779	4.39E12	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.2975E8	0.0000	1.2975E8	1.2975E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	9.354686E-13	-8.08255E-13	-3.54104E-14	0	
M_cont	-8.08255E-13	6.98421E-13	3.054037E-14	0	
C	-3.54104E-14	3.054037E-14	1.382487E-15	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06525	-0.30268	0.30541	0.22446
2	1.06525	0.00302	-0.00199	-0.00105
3	1.06525	-0.00199	0.00464	0.00001
4	1.06525	-0.00105	0.00001	0.00106

Obs	_RMSE_	Intercept	A	C
1	0.97802	-0.28199	0.17929	0.22760
2	0.97802	0.00288	-0.00175	-0.00109
3	0.97802	-0.00175	0.00389	0.00004
4	0.97802	-0.00109	0.00004	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA144
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	35.730156443

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-71.460
AIC (smaller is better)	-63.460
AICC (smaller is better)	.
BIC (smaller is better)	-65.915

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-88.416
Weibull AIC (smaller is better)	-80.416
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-82.870

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	2.06E13	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	7.23E12	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6153	0.0000	0.6153	0.6153	7.89E11	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.5995E8	0.0000	1.5995E8	1.5995E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.692863E-12	-5.38504E-13	-9.0115E-13	0	
M_cont	-5.38504E-13	1.713771E-13	2.866327E-13	0	
C	-9.0115E-13	2.866327E-13	4.797199E-13	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07675	-0.12390	0.12193	0.15789
2	1.07675	0.00321	-0.00206	-0.00117
3	1.07675	-0.00206	0.00478	0.00007
4	1.07675	-0.00117	0.00007	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA145
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	71.034885579

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-142.070
AIC (smaller is better)	-134.070
AICC (smaller is better)	.
BIC (smaller is better)	-136.525

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-173.810
Weibull AIC (smaller is better)	-165.810
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-168.265

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	1.2E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	9.8E15	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	3.22E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.4022E8	0.0000	1.4022E8	1.4022E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.510612E-16	-1.01902E-16	-8.9683E-17	0	
M_cont	-1.01902E-16	9.868116E-17	9.161174E-18	0	
C	-8.9683E-17	9.161174E-18	4.919615E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.01745	-0.22414	0.18684	0.23529
2	1.01745	0.00291	-0.00179	-0.00103
3	1.01745	-0.00179	0.00425	0.00000
4	1.01745	-0.000103	0.00000	0.00095

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA146
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	60.163803853

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-120.328
AIC (smaller is better)	-112.328
AICC (smaller is better)	.
BIC (smaller is better)	-114.782

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-142.955
Weibull AIC (smaller is better)	-134.955
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-137.410

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	7.15E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	1.49E17	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	2.7813E9	0.0000	2.7813E9	2.7813E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.038112E-15	-9.41491E-16	0	0	
M_cont	-9.41491E-16	8.538942E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.01983	-0.20627	0.29858	0.18612
2	1.01983	0.00290	-0.00187	-0.00105
3	1.01983	-0.00187	0.00429	0.00009
4	1.01983	-0.00105	0.00009	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA147
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	3
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	51.782080303

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-103.564
AIC (smaller is better)	-95.564
AICC (smaller is better)	-55.564
BIC (smaller is better)	-96.397

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-125.291
Weibull AIC (smaller is better)	-117.291
Weibull AICC (smaller is better)	-77.291
Weibull BIC (smaller is better)	-118.124

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	1.05E15	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	2.15E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.3526E8	0.0000	1.3526E8	1.3526E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	7.069586E-14	-6.4716E-14	0	0	
M_cont	-6.4716E-14	5.926312E-14	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.06041	-0.21451	0.11195	0.20444
2	1.06041	0.00312	-0.00209	-0.00108
3	1.06041	-0.00209	0.00460	0.00011
4	1.06041	-0.000108	0.00011	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA148
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	53.846744075

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-107.693
AIC (smaller is better)	-99.693
AICC (smaller is better)	.
BIC (smaller is better)	-102.148

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-130.689
Weibull AIC (smaller is better)	-122.689
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-125.144

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	1.09E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	2.21E14	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.8490	0.0000	0.8490	0.8490	4.66E14	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.8495E8	0.0000	1.8495E8	1.8495E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.48106E-15	2.127018E-15	-2.30669E-15	0	
M_cont	2.127018E-15	1.444154E-15	-1.45715E-15	0	
C	-2.30669E-15	-1.45715E-15	1.546772E-15	0	
Scale		0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02857	-0.15234	0.002531716	0.19042
2	1.02857	0.00275	-.001748041	-0.00098
3	1.02857	-0.00175	0.004391277	-0.00003
4	1.02857	-0.00098	-.000030357	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA149
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	66.440930942

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-132.882
AIC (smaller is better)	-126.882
AICC (smaller is better)	.
BIC (smaller is better)	-128.723

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-166.792
Weibull AIC (smaller is better)	-160.792
Weibull AIICC (smaller is better)	.
Weibull BIC (smaller is better)	-162.634

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	0.0000	-4.7442	-4.7442	5.03E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	0.0000	0.7455	0.7455	7.96E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	44465881	0.0000	44465881	44465881		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	4.472806E-16	-4.73252E-16	0
M_cont	-4.73252E-16	6.980657E-16	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.01733	-0.22957	0.28689	0.15746
2	1.01733	0.00307	-0.00190	-0.00114
3	1.01733	-0.00190	0.00420	0.00005
4	1.01733	-0.00114	0.00005	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA150
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	1.4297952034

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-2.860
AIC (smaller is better)	5.140
AICC (smaller is better)	.
BIC (smaller is better)	2.686

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-26.757
Weibull AIC (smaller is better)	-18.757
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-21.211

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	101.9398	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9558	0.1656	-6.2803	-5.6313	1294.12	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.0958	0.1282	0.8445	1.3471	73.04	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6513	0.0645	0.5249	0.7778	101.94	<.0001
Scale	1	0.0853	0.0466	0.0292	0.2489		
Weibull Shape	1	11.7207	6.4023	4.0178	34.1913		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.027409	-0.013669	-0.007737	-0.001615	
M_cont	-0.013669	0.016439	0.000256	-0.000291	
C	-0.007737	0.000256	0.004161	0.001005	
Scale	-0.001615	-0.000291	0.001005	0.002172	

Obs	_RMSE_	Intercept	A	C
1	1.04147	-0.17565	0.22756	0.17346
2	1.04147	0.00295	-0.00184	-0.00108
3	1.04147	-0.00184	0.00448	0.00000
4	1.04147	-0.000108	0.00000	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA151
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	50.428212047

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-100.856
AIC (smaller is better)	-92.856
AICC (smaller is better)	.
BIC (smaller is better)	-94.419

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-126.023
Weibull AIC (smaller is better)	-118.023
Weibull AIICC (smaller is better)	.
Weibull BIC (smaller is better)	-119.585

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	1.23E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	8.04E13	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.8490	0.0000	0.8490	0.8490	4.7E14	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	69313855	0.0000	69313855	69313855		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.096295E-15	2.666413E-15	-2.10476E-15	0	
M_cont	2.666413E-15	3.976158E-15	-2.18565E-15	0	
C	-2.10476E-15	-2.18565E-15	1.532667E-15	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03192	-0.14510	0.13477	0.17053
2	1.03192	0.00297	-0.00179	-0.00108
3	1.03192	-0.00179	0.00436	-0.00007
4	1.03192	-0.000108	-0.00007	0.00104

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA152
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	1
Noncensored Values	1
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	7.2937227953

Number of Observations Read	1000
Number of Observations Used	1
Missing Values	999

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-14.587
AIC (smaller is better)	-10.587
AICC (smaller is better)	.
BIC (smaller is better)	-14.587

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-21.529
Weibull AIC (smaller is better)	-17.529
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-21.529

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.4708	0.0003	-3.4713	-3.4704	1.926E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	6.2540869E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06045	-0.17252	0.10670	0.18069
2	1.06045	0.00327	-0.00213	-0.00115
3	1.06045	-0.00213	0.00452	0.00003
4	1.06045	-0.00115	0.00003	0.00112

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA153
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	53.057195084

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-106.114
AIC (smaller is better)	-98.114
AICC (smaller is better)	.
BIC (smaller is better)	-99.677

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-129.110
Weibull AIC (smaller is better)	-121.110
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-122.672

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	4.4E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	2.49E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.8490	0.0000	0.8490	0.8490	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.3266E8	0.0000	1.3266E8	1.3266E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	8.638408E-17	-9.22344E-17	0	0	
M_cont	-9.22344E-17	1.284369E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.02376	-0.23822	0.23402	0.20553
2	1.02376	0.00277	-0.00181	-0.00099
3	1.02376	-0.00181	0.00434	0.00004
4	1.02376	-0.00099	0.00004	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA154
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	90.381982907

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-180.764
AIC (smaller is better)	-172.764
AICC (smaller is better)	.
BIC (smaller is better)	-174.326

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-221.616
Weibull AIC (smaller is better)	-213.616
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-215.178

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	2.81E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	2.95E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	6.09E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.9265E8	0.0000	1.9265E8	1.9265E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.071886E-16	-3.1555E-17	-4.66389E-17	0	
M_cont	-3.1555E-17	3.278877E-17	4.096652E-18	0	
C	-4.66389E-17	4.096652E-18	2.603229E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05223	-0.20408	0.18432	0.15872
2	1.05223	0.00304	-0.00192	-0.00108
3	1.05223	-0.00192	0.00455	0.00001
4	1.05223	-0.000108	0.00001	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA155
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	34.951535218

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-69.903
AIC (smaller is better)	-61.903
AICC (smaller is better)	.
BIC (smaller is better)	-64.358

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-85.957
Weibull AIC (smaller is better)	-77.957
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-80.412

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	3.53E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	8.89E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.8490	0.0000	0.8490	0.8490	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.3528E8	0.0000	1.3528E8	1.3528E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.078332E-16	-1.55668E-16	0	0	
M_cont	-1.55668E-16	3.593651E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.04826	-0.19324	0.19414	0.24492
2	1.04826	0.00300	-0.00189	-0.00108
3	1.04826	-0.00189	0.00455	0.00003
4	1.04826	-0.00108	0.00003	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA156
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	6
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	106.50867718

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-213.017
AIC (smaller is better)	-205.017
AICC (smaller is better)	-165.017
BIC (smaller is better)	-205.850

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-260.811
Weibull AIC (smaller is better)	-252.811
Weibull AICC (smaller is better)	-212.811
Weibull BIC (smaller is better)	-253.644

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	2.09E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	1.71E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	4.86E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.392E8	0.0000	1.392E8	1.392E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.444705E-16	-4.1088E-17	-5.69459E-17	0	
M_cont	-4.1088E-17	5.664656E-17	-2.45471E-18	0	
C	-5.69459E-17	-2.45471E-18	3.262168E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.00973	-0.23040	0.23655	0.17696
2	1.00973	0.00277	-0.00168	-0.00103
3	1.00973	-0.00168	0.00426	-0.00001
4	1.00973	-0.00103	-0.00001	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA157
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	33.220465471

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-66.441
AIC (smaller is better)	-60.441
AICC (smaller is better)	.
BIC (smaller is better)	-64.361

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-83.396
Weibull AIC (smaller is better)	-77.396
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-81.317

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	0.0000	-4.7442	-4.7442	2.52E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	0.0000	0.7455	0.7455	3.98E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	44465881	0.0000	44465881	44465881		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	8.945612E-16	-9.46504E-16	0
M_cont	-9.46504E-16	1.396131E-15	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07798	-0.20109	0.12902	0.20684
2	1.07798	0.00306	-0.00196	-0.00104
3	1.07798	-0.00196	0.00475	-0.00007
4	1.07798	-0.00104	-0.00007	0.00105

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA158
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	35.760009524

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-71.520
AIC (smaller is better)	-63.520
AICC (smaller is better)	.
BIC (smaller is better)	-65.975

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-88.475
Weibull AIC (smaller is better)	-80.475
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-82.930

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	2.12E13	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	7.45E12	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6153	0.0000	0.6153	0.6153	8.13E11	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.6235E8	0.0000	1.6235E8	1.6235E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.643073E-12	-5.22666E-13	-8.74646E-13	0	
M_cont	-5.22666E-13	1.663367E-13	2.782025E-13	0	
C	-8.74646E-13	2.782025E-13	4.656108E-13	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07069	-0.20360	0.15014	0.17341
2	1.07069	0.00327	-0.00213	-0.00115
3	1.07069	-0.00213	0.00464	0.00005
4	1.07069	-0.00115	0.00005	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA159
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.462827529

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.926
AIC (smaller is better)	-26.926
AICC (smaller is better)	.
BIC (smaller is better)	-30.846

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-40.769
Weibull AIC (smaller is better)	-34.769
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-38.689

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.9859	0.0000	6.9859	6.9859	7.19E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-9.8840	0.0000	-9.8840	-9.8840	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	38371576	0.0000	38371576	38371576		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	6.791735E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03491	-0.20930	0.21358	0.21297
2	1.03491	0.00296	-0.00182	-0.00108
3	1.03491	-0.00182	0.00443	0.00001
4	1.03491	-0.000108	0.00001	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA160
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	49.636394417

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-99.273
AIC (smaller is better)	-93.273
AICC (smaller is better)	.
BIC (smaller is better)	-95.977

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-124.439
Weibull AIC (smaller is better)	-118.439
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-121.143

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.0000	-4.8974	-4.8974	4.33E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	0.0000	1.3522	1.3522	1.36E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	41677201	0.0000	41677201	41677201		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	5.542556E-16	-6.96997E-16	0
M_cont	-6.96997E-16	1.340697E-15	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.01940	-0.098165	0.11407	0.14861
2	1.01940	0.002721	-0.00176	-0.00094
3	1.01940	-0.001756	0.00426	-0.00005
4	1.01940	-0.000936	-0.00005	0.00095

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA161
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	32.868289834

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-65.737
AIC (smaller is better)	-59.737
AICC (smaller is better)	.
BIC (smaller is better)	-62.441

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-81.423
Weibull AIC (smaller is better)	-75.423
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-78.127

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.9859	0.0000	6.9859	6.9859	1.36E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-9.8840	0.0000	-9.8840	-9.8840	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	37286613	0.0000	37286613	37286613		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	3.596368E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06351	-0.15414	0.17679	0.13799
2	1.06351	0.00304	-0.00199	-0.00107
3	1.06351	-0.00199	0.00464	0.00003
4	1.06351	-0.00107	0.00003	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA162
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	69.913631238

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-139.827
AIC (smaller is better)	-131.827
AICC (smaller is better)	.
BIC (smaller is better)	-134.282

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-170.666
Weibull AIC (smaller is better)	-162.666
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-165.121

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	7.66E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	5.23E15	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	1.91E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.0594E8	0.0000	1.0594E8	1.0594E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.938204E-16	-1.08466E-16	-1.40721E-16	0	
M_cont	-1.08466E-16	1.849696E-16	-2.62607E-17	0	
C	-1.40721E-16	-2.62607E-17	8.287742E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05577	-0.28750	0.20095	0.21778
2	1.05577	0.00321	-0.00192	-0.00120
3	1.05577	-0.00192	0.00455	-0.00003
4	1.05577	-0.00120	-0.00003	0.00115

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA163
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	14.587445591

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-29.175
AIC (smaller is better)	-25.175
AICC (smaller is better)	.
BIC (smaller is better)	-27.789

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-44.861
Weibull AIC (smaller is better)	-40.861
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-43.475

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	0.0002	-3.9219	-3.9212	4.918E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	3.1270434E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04324	-0.18442	0.11695	0.16358
2	1.04324	0.00298	-0.00192	-0.00104
3	1.04324	-0.00192	0.00446	0.00004
4	1.04324	-0.00104	0.00004	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA164
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	3
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	53.221422497

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-106.443
AIC (smaller is better)	-98.443
AICC (smaller is better)	-58.443
BIC (smaller is better)	-99.276

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-131.241
Weibull AIC (smaller is better)	-123.241
Weibull AICC (smaller is better)	-83.241
Weibull BIC (smaller is better)	-124.074

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	8.68E15	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	2.6E15	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6153	0.0000	0.6153	0.6153	3.38E14	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.4153E8	0.0000	1.4153E8	1.4153E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	4.011037E-15	-1.30157E-15	-2.10126E-15	0	
M_cont	-1.30157E-15	4.771705E-16	6.57862E-16	0	
C	-2.10126E-15	6.57862E-16	1.118683E-15	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.07626	-0.18388	0.15001	0.19303
2	1.07626	0.00333	-0.00211	-0.00115
3	1.07626	-0.00211	0.00466	-0.00004
4	1.07626	-0.00115	-0.00004	0.00110

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA165
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	32.087153104

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-64.174
AIC (smaller is better)	-58.174
AICC (smaller is better)	.
BIC (smaller is better)	-60.878

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-78.058
Weibull AIC (smaller is better)	-72.058
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-74.762

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	7.3747	0.0000	7.3747	7.3747	1.23E14	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-10.2809	0.0000	-10.2809	-10.2809	2.58E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	32557923	0.0000	32557923	32557923		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	4.436974E-13	-4.2642E-13	0
M_cont	-4.2642E-13	4.101619E-13	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08343	-0.20586	0.19008	0.15128
2	1.08343	0.00337	-0.00220	-0.00121
3	1.08343	-0.00220	0.00477	0.00009
4	1.08343	-0.00121	0.00009	0.00115

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA166
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	5
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	85.361866764

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-170.724
AIC (smaller is better)	-162.724
AICC (smaller is better)	-142.724
BIC (smaller is better)	-162.940

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-212.477
Weibull AIC (smaller is better)	-204.477
Weibull AICC (smaller is better)	-184.477
Weibull BIC (smaller is better)	-204.694

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	2.59E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	6.13E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.6153	0.0000	0.6153	0.6153	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	71623840	0.0000	71623840	71623840		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.345444E-16	-1.40741E-16	0	0	
M_cont	-1.40741E-16	2.02113E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.03001	-0.15541	0.12239	0.15266
2	1.03001	0.00292	-0.00193	-0.00101
3	1.03001	-0.00193	0.00432	0.00005
4	1.03001	-0.00101	0.00005	0.00098

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA167
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	14.587445591

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-29.175
AIC (smaller is better)	-25.175
AICC (smaller is better)	.
BIC (smaller is better)	-27.789

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-44.861
Weibull AIC (smaller is better)	-40.861
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-43.475

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-3.9215	0.0002	-3.9219	-3.9212	4.918E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	3.1270434E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02912	-0.25329	0.29537	0.21716
2	1.02912	0.00299	-0.00190	-0.00105
3	1.02912	-0.00190	0.00431	0.00002
4	1.02912	-0.00105	0.00002	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA168
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	40.641886139

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-81.284
AIC (smaller is better)	-73.284
AICC (smaller is better)	.
BIC (smaller is better)	-75.739

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-96.069
Weibull AIC (smaller is better)	-88.069
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-90.523

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	1.93E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	3.99E17	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	3.1463E9	0.0000	3.1463E9	3.1463E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.842748E-16	-3.49708E-16	0	0	
M_cont	-3.49708E-16	3.183076E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.05920	-0.15595	0.13088	0.22529
2	1.05920	0.00317	-0.00199	-0.00111
3	1.05920	-0.000199	0.00460	0.00004
4	1.05920	-0.000111	0.00004	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA169
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	76.747069226

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-153.494
AIC (smaller is better)	-145.494
AICC (smaller is better)	.
BIC (smaller is better)	-147.056

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-183.965
Weibull AIC (smaller is better)	-175.965
Weibull AIICC (smaller is better)	.
Weibull BIC (smaller is better)	-177.527

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	4.38E15	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	9.12E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.2112E9	0.0000	1.2112E9	1.2112E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.695891E-14	-1.53717E-14	0	0	
M_cont	-1.53717E-14	1.393322E-14	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.06402	-0.20423	0.19889	0.18887
2	1.06402	0.00332	-0.00209	-0.00116
3	1.06402	-0.00209	0.00458	0.00004
4	1.06402	-0.00116	0.00004	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA170
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	6
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	2.3727315803

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-4.745
AIC (smaller is better)	3.255
AICC (smaller is better)	23.255
BIC (smaller is better)	3.038

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-51.638
Weibull AIC (smaller is better)	-43.638
Weibull AICC (smaller is better)	-23.638
Weibull BIC (smaller is better)	-43.854

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects				
Effect	DF	Chi-Square	Wald Chi-Square	
A	0	.	.	
M_cont	0	.	.	
int	0	.	.	
C	1	138.2761	<.0001	

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.8977	0.1436	-6.1791	-5.6163	1687.31	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.0177	0.1230	0.7766	1.2588	68.43	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6300	0.0536	0.5250	0.7350	138.28	<.0001
Scale	1	0.1115	0.0386	0.0567	0.2196		
Weibull Shape	1	8.9647	3.0987	4.5532	17.6506		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.020614	-0.010133	-0.005164	-0.000370	
M_cont	-0.010133	0.015135	-0.000867	-0.000791	
C	-0.005164	-0.000867	0.002871	0.000347	
Scale	-0.000370	-0.000791	0.000347	0.001487	

Obs	_RMSE_	Intercept	A	C
1	1.07606	-0.11637	0.17237	0.16352
2	1.07606	0.00336	-0.00214	-0.00121
3	1.07606	-0.00214	0.00471	0.00008
4	1.07606	-0.00121	0.00008	0.00112

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA171
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	33.317192103

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-66.634
AIC (smaller is better)	-60.634
AICC (smaller is better)	.
BIC (smaller is better)	-64.555

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-82.688
Weibull AIC (smaller is better)	-76.688
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-80.609

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.0000	-4.8974	-4.8974	2.86E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	0.0000	1.3522	1.3522	1.28E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	46669250	0.0000	46669250	46669250		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	8.386537E-16	-9.31842E-16	0
M_cont	-9.31842E-16	1.425623E-15	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03662	-0.25153	0.29181	0.16653
2	1.03662	0.00302	-0.00189	-0.00107
3	1.03662	-0.00189	0.00438	-0.00000
4	1.03662	-0.00107	-0.00000	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA172
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	5
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	82.038920369

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-164.078
AIC (smaller is better)	-158.078
AICC (smaller is better)	-134.078
BIC (smaller is better)	-159.250

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-208.370
Weibull AIC (smaller is better)	-202.370
Weibull AICC (smaller is better)	-178.370
Weibull BIC (smaller is better)	-203.541

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	0.0000	-4.7442	-4.7442	5.84E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	0.0000	0.7455	0.7455	4.25E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	36316548	0.0000	36316548	36316548		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	3.852531E-16	-5.52805E-16	0
M_cont	-5.52805E-16	1.30813E-15	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06905	-0.17531	0.23709	0.19549
2	1.06905	0.00313	-0.00187	-0.00113
3	1.06905	-0.00187	0.00474	-0.00005
4	1.06905	-0.00113	-0.00005	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA173
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	68.184254019

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-136.369
AIC (smaller is better)	-128.369
AICC (smaller is better)	.
BIC (smaller is better)	-129.931

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-170.647
Weibull AIC (smaller is better)	-162.647
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-164.209

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	1.1E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	9.91E13	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.8490	0.0000	0.8490	0.8490	4.34E14	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	79053053	0.0000	79053053	79053053		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.456148E-15	2.689099E-15	-2.35076E-15	0	
M_cont	2.689099E-15	3.225396E-15	-2.06156E-15	0	
C	-2.35076E-15	-2.06156E-15	1.659084E-15	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.09448	-0.20400	0.34151	0.12715
2	1.09448	0.00330	-0.00202	-0.00121
3	1.09448	-0.00202	0.00492	-0.00003
4	1.09448	-0.00121	-0.00003	0.00118

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA174
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	51.246794161

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-102.494
AIC (smaller is better)	-94.494
AICC (smaller is better)	.
BIC (smaller is better)	-96.948

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-128.561
Weibull AIC (smaller is better)	-120.561
Weibull AIICC (smaller is better)	.
Weibull BIC (smaller is better)	-123.016

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	2.39E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	1.78E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.6153	0.0000	0.6153	0.6153	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	83161346	0.0000	83161346	83161346		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.45628E-16	-2.50726E-16	0	0	
M_cont	-2.50726E-16	6.97819E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.03258	-0.080707	0.083717	0.13179
2	1.03258	0.002975	-0.001892	-0.00109
3	1.03258	-0.001892	0.004383	0.00005
4	1.03258	-0.001087	0.000054	0.00104

Obs	_RMSE_	Intercept	A	C
1	1.03436	-0.14287	0.14740	0.15010
2	1.03436	0.00297	-0.00195	-0.00106
3	1.03436	-0.00195	0.00441	0.00010
4	1.03436	-0.000106	0.00010	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA176
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	32.559999805

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-65.120
AIC (smaller is better)	-59.120
AICC (smaller is better)	.
BIC (smaller is better)	-60.961

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-79.003
Weibull AIC (smaller is better)	-73.003
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-74.844

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	7.3748	0.0000	7.3748	7.3748	1.11E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-10.2810	0.0000	-10.2810	-10.2810	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	31960135	0.0000	31960135	31960135		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	4.895001E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04792	-0.16059	0.18362	0.16627
2	1.04792	0.00302	-0.00199	-0.00106
3	1.04792	-0.00199	0.00451	0.00008
4	1.04792	-0.00106	0.00008	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA177
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	32.559999805

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-65.120
AIC (smaller is better)	-59.120
AICC (smaller is better)	.
BIC (smaller is better)	-60.961

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-79.003
Weibull AIC (smaller is better)	-73.003
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-74.844

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	7.3748	0.0000	7.3748	7.3748	1.11E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-10.2810	0.0000	-10.2810	-10.2810	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	31960135	0.0000	31960135	31960135		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	4.895001E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05797	-0.078395	0.091604	0.14342
2	1.05797	0.003082	-0.001950	-0.00111
3	1.05797	-0.001950	0.004592	0.00002
4	1.05797	-0.001112	0.000016	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA178
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	1
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.279999903

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.560
AIC (smaller is better)	-26.560
AICC (smaller is better)	.
BIC (smaller is better)	-30.481

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-39.502
Weibull AIC (smaller is better)	-33.502
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-37.422

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	7.3748	0.0000	7.3748	7.3748	5.56E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-10.2810	0.0000	-10.2810	-10.2810	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	31960135	0.0000	31960135	31960135		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	9.790002E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03345	-0.23893	0.14913	0.18418
2	1.03345	0.00290	-0.00178	-0.00105
3	1.03345	-0.00178	0.00444	-0.00002
4	1.03345	-0.000105	-0.00002	0.00100

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA179
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	33.317192103

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-66.634
AIC (smaller is better)	-60.634
AICC (smaller is better)	.
BIC (smaller is better)	-64.555

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-82.688
Weibull AIC (smaller is better)	-76.688
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-80.609

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.8974	0.0000	-4.8974	-4.8974	2.86E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.3522	0.0000	1.3522	1.3522	1.28E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	46669250	0.0000	46669250	46669250		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	8.386537E-16	-9.31842E-16	0
M_cont	-9.31842E-16	1.425623E-15	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06295	-0.18459	0.14238	0.20348
2	1.06295	0.00315	-0.00210	-0.00107
3	1.06295	-0.00210	0.00460	0.00008
4	1.06295	-0.00107	0.00008	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA180
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	50.18046506

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-100.361
AIC (smaller is better)	-92.361
AICC (smaller is better)	.
BIC (smaller is better)	-93.923

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-122.087
Weibull AIC (smaller is better)	-114.087
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-115.650

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	3.61E14	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	7.38E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	79318553	0.0000	79318553	79318553		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.056357E-13	-1.88241E-13	0	0	
M_cont	-1.88241E-13	1.7238E-13	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.06444	-0.19613	0.14634	0.22678
2	1.06444	0.00323	-0.00202	-0.00113
3	1.06444	-0.00202	0.00461	0.00000
4	1.06444	-0.00113	0.00000	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA181
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	2
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	40.507822773

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-81.016
AIC (smaller is better)	-73.016
AICC (smaller is better)	.
BIC (smaller is better)	-76.621

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-95.800
Weibull AIC (smaller is better)	-87.800
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-91.406

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	1.69E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	3.49E17	<.0001
int	0	0.0000	.	.	.	.	.
C	0	-0.0779	0.0000	-0.0779	-0.0779	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	2.9428E9	0.0000	2.9428E9	2.9428E9		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	4.393583E-16	-3.99836E-16	0	0	
M_cont	-3.99836E-16	3.639335E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.05087	-0.22523	0.28416	0.23498
2	1.05087	0.00320	-0.00207	-0.00117
3	1.05087	-0.00207	0.00455	0.00015
4	1.05087	-0.00117	0.00015	0.00107

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA182
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	3
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	50.330291867

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-100.661
AIC (smaller is better)	-92.661
AICC (smaller is better)	-52.661
BIC (smaller is better)	-93.494

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-125.827
Weibull AIC (smaller is better)	-117.827
Weibull AICC (smaller is better)	-77.827
Weibull BIC (smaller is better)	-118.660

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-6.1656	0.0000	-6.1656	-6.1656	8.36E15	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.5654	0.0000	0.5654	0.5654	5.63E13	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.8490	0.0000	0.8490	0.8490	3.15E14	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	73249062	0.0000	73249062	73249062		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	4.549308E-15	4.01737E-15	-3.1499E-15	0	
M_cont	4.01737E-15	5.672245E-15	-3.20987E-15	0	
C	-3.1499E-15	-3.20987E-15	2.287623E-15	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.03657	-0.18047	0.25089	0.14263
2	1.03657	0.00275	-0.00183	-0.00093
3	1.03657	-0.00183	0.00439	-0.00005
4	1.03657	-0.00093	-0.00005	0.00099

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA183
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	53.908573418

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-107.817
AIC (smaller is better)	-99.817
AICC (smaller is better)	.
BIC (smaller is better)	-103.423

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-131.714
Weibull AIC (smaller is better)	-123.714
Weibull AIICC (smaller is better)	.
Weibull BIC (smaller is better)	-127.320

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	1.61E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	1.32E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	3.76E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.7313E8	0.0000	1.7313E8	1.7313E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.868052E-16	-5.31282E-17	-7.3633E-17	0	
M_cont	-5.31282E-17	7.324589E-17	-3.17402E-18	0	
C	-7.3633E-17	-3.17402E-18	4.218091E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05698	-0.22605	0.21513	0.17521
2	1.05698	0.00298	-0.00203	-0.00104
3	1.05698	-0.00203	0.00458	0.00009
4	1.05698	-0.00104	0.00009	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA184
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	70.059925573

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-140.120
AIC (smaller is better)	-132.120
AICC (smaller is better)	.
BIC (smaller is better)	-134.575

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-170.958
Weibull AIC (smaller is better)	-162.958
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-165.413

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	8.24E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	5.62E15	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	2.06E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.0989E8	0.0000	1.0989E8	1.0989E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	3.660419E-16	-1.00815E-16	-1.30795E-16	0	
M_cont	-1.00815E-16	1.719226E-16	-2.44084E-17	0	
C	-1.30795E-16	-2.44084E-17	7.703158E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.04377	-0.12769	0.085167	0.15093
2	1.04377	0.00315	-0.002050	-0.00114
3	1.04377	-0.00205	0.004400	0.00006
4	1.04377	-0.00114	0.000057	0.00113

Obs	_RMSE_	Intercept	A	C
1	1.03385	-0.26538	0.33222	0.15793
2	1.03385	0.00298	-0.00181	-0.00109
3	1.03385	-0.00181	0.00438	-0.00004
4	1.03385	-0.00109	-0.00004	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA186
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	33.496310426

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-66.993
AIC (smaller is better)	-60.993
AICC (smaller is better)	.
BIC (smaller is better)	-64.913

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-81.777
Weibull AIC (smaller is better)	-75.777
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-79.698

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.3080	0.0000	6.3080	6.3080	1.05E14	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-9.2697	0.0000	-9.2697	-9.2697	2.65E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	51041787	0.0000	51041787	51041787		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	3.784556E-13	-3.50493E-13	0
M_cont	-3.50493E-13	3.247621E-13	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06538	-0.13593	0.21089	0.14563
2	1.06538	0.00328	-0.00210	-0.00124
3	1.06538	-0.00210	0.00465	0.00011
4	1.06538	-0.00124	0.00011	0.00117

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA187
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	6
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	106.03824016

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-212.076
AIC (smaller is better)	-204.076
AICC (smaller is better)	-164.076
BIC (smaller is better)	-204.909

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-260.772
Weibull AIC (smaller is better)	-252.772
Weibull AICC (smaller is better)	-212.772
Weibull BIC (smaller is better)	-253.605

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	1.33E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	1.42E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	3.03E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.2871E8	0.0000	1.2871E8	1.2871E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.26824E-16	-7.8974E-17	-9.55689E-17	0	
M_cont	-7.8974E-17	6.833068E-17	1.471752E-17	0	
C	-9.55689E-17	1.471752E-17	5.235011E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02229	-0.12019	0.15143	0.16548
2	1.02229	0.00299	-0.00184	-0.00108
3	1.02229	-0.00184	0.00426	0.00001
4	1.02229	-0.00108	0.00001	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA188
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	49.545880711

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-99.092
AIC (smaller is better)	-93.092
AICC (smaller is better)	.
BIC (smaller is better)	-95.796

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-125.159
Weibull AIC (smaller is better)	-119.159
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-121.863

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.7442	0.0000	-4.7442	-4.7442	3.96E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.7455	0.0000	0.7455	0.7455	4.39E14	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	40438529	0.0000	40438529	40438529		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	5.676832E-16	-6.78708E-16	0
M_cont	-6.78708E-16	1.266049E-15	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08535	-0.22666	0.19448	0.18527
2	1.08535	0.00318	-0.00195	-0.00110
3	1.08535	-0.00195	0.00480	-0.00019
4	1.08535	-0.00110	-0.00019	0.00115

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA189
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	53.908573418

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-107.817
AIC (smaller is better)	-99.817
AICC (smaller is better)	.
BIC (smaller is better)	-103.423

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-131.714
Weibull AIC (smaller is better)	-123.714
Weibull AIICC (smaller is better)	.
Weibull BIC (smaller is better)	-127.320

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	1.61E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	1.32E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	3.76E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.7313E8	0.0000	1.7313E8	1.7313E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.868052E-16	-5.31282E-17	-7.3633E-17	0	
M_cont	-5.31282E-17	7.324589E-17	-3.17402E-18	0	
C	-7.3633E-17	-3.17402E-18	4.218091E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.09761	-0.11626	0.10867	0.15361
2	1.09761	0.00340	-0.00214	-0.00117
3	1.09761	-0.00214	0.00487	-0.00004
4	1.09761	-0.00117	-0.00004	0.00112

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA190
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	4
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	72.147713607

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-144.295
AIC (smaller is better)	-136.295
AICC (smaller is better)	.
BIC (smaller is better)	-138.750

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-177.305
Weibull AIC (smaller is better)	-169.305
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-171.759

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	2.23E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	2.25E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	4.3E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.852E8	0.0000	1.852E8	1.852E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.353149E-16	-2.21582E-17	-6.34045E-17	0	
M_cont	-2.21582E-17	4.292021E-17	-3.59233E-18	0	
C	-6.34045E-17	-3.59233E-18	3.682943E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.00433	-0.16950	0.21286	0.24894
2	1.00433	0.00267	-0.00163	-0.00098
3	1.00433	-0.00163	0.00421	-0.00005
4	1.00433	-0.00098	-0.00005	0.00096

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA191
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	3
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	51.527683177

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-103.055
AIC (smaller is better)	-95.055
AICC (smaller is better)	.
BIC (smaller is better)	-96.618

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-124.782
Weibull AIC (smaller is better)	-116.782
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-118.344

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	4.32E13	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	9.89E13	<.0001
int	0	0.0000	.	.	.	.	.
C	1	-0.0779	0.0000	-0.0779	-0.0779	2.49E12	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.2817E8	0.0000	1.2817E8	1.2817E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.719485E-12	-1.48694E-12	-6.37238E-14	0	
M_cont	-1.48694E-12	1.286005E-12	5.500625E-14	0	
C	-6.37238E-14	5.500625E-14	2.432677E-15	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.08012	-0.16671	0.17242	0.18956
2	1.08012	0.00321	-0.00205	-0.00114
3	1.08012	-0.00205	0.00482	0.00006
4	1.08012	-0.00114	0.00006	0.00108

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA192
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	1
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	16.264557256

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-32.529
AIC (smaller is better)	-26.529
AICC (smaller is better)	.
BIC (smaller is better)	-29.233

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-41.641
Weibull AIC (smaller is better)	-35.641
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-38.345

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.2010	0.0000	-5.2010	-5.2010	2.68E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	2.5556	0.0000	2.5556	2.5556	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	31470377	0.0000	31470377	31470377		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	1.009709E-15	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02588	-0.15324	0.20548	0.17769
2	1.02588	0.00284	-0.00183	-0.00103
3	1.02588	-0.00183	0.00433	0.00002
4	1.02588	-0.00103	0.00002	0.00102

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA193
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	2
Right Censored Values	2
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	32.712581533

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-65.425
AIC (smaller is better)	-59.425
AICC (smaller is better)	.
BIC (smaller is better)	-61.266

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-83.650
Weibull AIC (smaller is better)	-77.650
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-79.491

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.2010	0.0000	-5.2010	-5.2010	6.44E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	2.5556	0.0000	2.5556	2.5556	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	34493821	0.0000	34493821	34493821		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	4.202303E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05276	-0.22799	0.14690	0.20704
2	1.05276	0.00313	-0.00188	-0.00116
3	1.05276	-0.00188	0.00454	-0.00004
4	1.05276	-0.00116	-0.00004	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA194
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	2
Noncensored Values	2
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	2
Name of Distribution	Weibull
Log Likelihood	14.587445591

Number of Observations Read	1000
Number of Observations Used	2
Missing Values	998

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-29.175
AIC (smaller is better)	-25.175
AICC (smaller is better)	.
BIC (smaller is better)	-27.789

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-47.399
Weibull AIC (smaller is better)	-43.399
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-46.013

WARNING: Iteration limit exceeded.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-4.5561	0.0002	-4.5565	-4.5558	6.638E8	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	0.0000	.	.	.	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0003	0.0000	0.0003	0.0003		
Weibull Shape	0	3998.693	0.0000	3998.693	3998.693		

Estimated Covariance Matrix		
	Intercept	Scale
Intercept	3.1270434E-8	0
Scale	0	0

Obs	_RMSE_	Intercept	A	C
1	1.02375	-0.12053	0.097799	0.14149
2	1.02375	0.00289	-0.001938	-0.00100
3	1.02375	-0.00194	0.004232	0.00003
4	1.02375	-0.00100	0.000026	0.00103

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA195
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	3
Noncensored Values	3
Right Censored Values	0
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	53.908573418

Number of Observations Read	1000
Number of Observations Used	3
Missing Values	997

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-107.817
AIC (smaller is better)	-99.817
AICC (smaller is better)	.
BIC (smaller is better)	-103.423

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-131.714
Weibull AIC (smaller is better)	-123.714
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-127.320

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.4919	0.0000	-5.4919	-5.4919	1.61E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	0.9834	0.0000	0.9834	0.9834	1.32E16	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.3980	0.0000	0.3980	0.3980	3.76E15	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	1.7313E8	0.0000	1.7313E8	1.7313E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	1.868052E-16	-5.31282E-17	-7.3633E-17	0	
M_cont	-5.31282E-17	7.324589E-17	-3.17402E-18	0	
C	-7.3633E-17	-3.17402E-18	4.218091E-17	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.05358	-0.16492	0.22270	0.15114
2	1.05358	0.00314	-0.00188	-0.00116
3	1.05358	-0.00188	0.00453	-0.00006
4	1.05358	-0.00116	-0.00006	0.00111

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA196
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	8
Noncensored Values	5
Right Censored Values	3
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	81.458875303

Number of Observations Read	1000
Number of Observations Used	8
Missing Values	992

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-162.918
AIC (smaller is better)	-154.918
AICC (smaller is better)	-141.584
BIC (smaller is better)	-154.600

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-203.402
Weibull AIC (smaller is better)	-195.402
Weibull AICC (smaller is better)	-182.069
Weibull BIC (smaller is better)	-195.084

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	6.61E16	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	1.76E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.6153	0.0000	0.6153	0.6153	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	36441152	0.0000	36441152	36441152		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	5.265792E-16	-5.33068E-16	0	0	
M_cont	-5.33068E-16	7.045509E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.04866	-0.15175	-0.023740	0.19793
2	1.04866	0.00317	-0.001998	-0.00114
3	1.04866	-0.00200	0.004471	0.00004
4	1.04866	-0.00114	0.000042	0.00106

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA197
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	6
Noncensored Values	5
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	89.073493201

Number of Observations Read	1000
Number of Observations Used	6
Missing Values	994

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-178.147
AIC (smaller is better)	-170.147
AICC (smaller is better)	-130.147
BIC (smaller is better)	-170.980

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-214.658
Weibull AIC (smaller is better)	-206.658
Weibull AICC (smaller is better)	-166.658
Weibull BIC (smaller is better)	-207.491

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	8.6165	0.0000	8.6165	8.6165	1.47E14	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	-11.2756	0.0000	-11.2756	-11.2756	3.36E14	<.0001
int	0	0.0000	.	.	.	.	.
C	1	-0.0779	0.0000	-0.0779	-0.0779	9.04E12	<.0001
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	2.0178E8	0.0000	2.0178E8	2.0178E8		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	5.043589E-13	-4.3678E-13	-1.81721E-14	0	
M_cont	-4.3678E-13	3.782921E-13	1.571491E-14	0	
C	-1.81721E-14	1.571491E-14	6.705412E-16	0	
Scale	0	0	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.06497	-0.15193	0.14145	0.10586
2	1.06497	0.00306	-0.00199	-0.00111
3	1.06497	-0.00199	0.00464	0.00002
4	1.06497	-0.00111	0.00002	0.00112

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA198
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	4
Noncensored Values	3
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	3
Name of Distribution	Weibull
Log Likelihood	48.983991249

Number of Observations Read	1000
Number of Observations Used	4
Missing Values	996

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-97.968
AIC (smaller is better)	-91.968
AICC (smaller is better)	.
BIC (smaller is better)	-93.809

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-121.497
Weibull AIC (smaller is better)	-115.497
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-117.338

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.9859	0.0000	6.9859	6.9859	1.65E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	0	-9.8840	0.0000	-9.8840	-9.8840	.	.
int	0	0.0000	.	.	.	.	.
C	0	0.0000	.	.	.	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	33531541	0.0000	33531541	33531541		

Estimated Covariance Matrix			
	Intercept	M_cont	Scale
Intercept	2.964638E-16	0	0
M_cont	0	0	0
Scale	0	0	0

Obs	_RMSE_	Intercept	A	C
1	1.09748	-0.22608	0.18461	0.16740
2	1.09748	0.00337	-0.00222	-0.00123
3	1.09748	-0.00222	0.00494	0.00012
4	1.09748	-0.00123	0.00012	0.00118

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA199
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	5
Noncensored Values	4
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	67.040509791

Number of Observations Read	1000
Number of Observations Used	5
Missing Values	995

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-134.081
AIC (smaller is better)	-126.081
AICC (smaller is better)	.
BIC (smaller is better)	-127.643

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-166.722
Weibull AIC (smaller is better)	-158.722
Weibull AICC (smaller is better)	.
Weibull BIC (smaller is better)	-160.285

WARNING: Negative of Hessian not positive definite.

## The LIFEREG Procedure

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9001	0.0000	-5.9001	-5.9001	1.22E17	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1132	0.0000	1.1132	1.1132	3.2E15	<.0001
int	0	0.0000	.	.	.	.	.
C	0	0.6153	0.0000	0.6153	0.6153	.	.
Scale	0	0.0000	0.0000	0.0000	0.0000		
Weibull Shape	0	55760448	0.0000	55760448	55760448		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	2.842606E-16	-2.89145E-16	0	0	
M_cont	-2.89145E-16	3.870581E-16	0	0	
C	0	0	0	0	
Scale	0	0	0	0	

Obs	_RMSE_	Intercept	A	C
1	1.06977	-0.11028	0.13016	0.15682
2	1.06977	0.00307	-0.00197	-0.00113
3	1.06977	-0.00197	0.00469	-0.00000
4	1.06977	-0.00113	-0.00000	0.00117

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1100
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	7
Noncensored Values	6
Right Censored Values	1
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	6.8544478267

Number of Observations Read	1000
Number of Observations Used	7
Missing Values	993

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-13.709
AIC (smaller is better)	-5.709
AICC (smaller is better)	14.291
BIC (smaller is better)	-5.925

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-63.673
Weibull AIC (smaller is better)	-55.673
Weibull AICC (smaller is better)	-35.673
Weibull BIC (smaller is better)	-55.890

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	433.4717	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9254	0.0652	-6.0531	-5.7977	8269.49	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1112	0.0440	1.0249	1.1975	637.48	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6305	0.0303	0.5711	0.6898	433.47	<.0001
Scale	1	0.0442	0.0179	0.0200	0.0980		
Weibull Shape	1	22.6137	9.1783	10.2069	50.1017		

Estimated Covariance Matrix				
	Intercept	M_cont	C	Scale
Intercept	0.004246	-0.001631	-0.001678	-0.000188
M_cont	-0.001631	0.001937	0.000198	-0.000012820
C	-0.001678	0.000198	0.000917	0.000112
Scale	-0.000188	-0.000012820	0.000112	0.000322

Obs	_RMSE_	Intercept	A	C
1	1.02531	-0.22599	0.15565	0.21099
2	1.02531	0.00289	-0.00176	-0.00107
3	1.02531	-0.00176	0.00437	-0.00000
4	1.02531	-0.00107	-0.00000	0.00101

## The LIFEREG Procedure

Model Information	
Data Set	WORK.DATA1
Dependent Variable	Log(Ycen_int)
Censoring Variable	delta
Censoring Value(s)	1
Number of Observations	398
Noncensored Values	300
Right Censored Values	98
Left Censored Values	0
Interval Censored Values	0
Number of Parameters	4
Name of Distribution	Weibull
Log Likelihood	160.43448162

Number of Observations Read	100000
Number of Observations Used	398
Missing Values	99602

Parameter Information	
Parameter	Effect
Intercept	Intercept
A	A
M_cont	M_cont
int	int
C	C

Fit Statistics	
-2 Log Likelihood	-320.869
AIC (smaller is better)	-312.869
AICC (smaller is better)	-312.767
BIC (smaller is better)	-296.923

Fit Statistics (Unlogged Response)	
-2 Log Likelihood	-2710.53
Weibull AIC (smaller is better)	-2702.53
Weibull AIACC (smaller is better)	-2702.43
Weibull BIC (smaller is better)	-2686.58

Algorithm converged.

## The LIFEREG Procedure

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
A	0	.	.
M_cont	0	.	.
int	0	.	.
C	1	11119.8485	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-5.9536	0.0159	-5.9848	-5.9224	139562	<.0001
A	0	0.0000	.	.	.	.	.
M_cont	1	1.1017	0.0122	1.0778	1.1255	8200.25	<.0001
int	0	0.0000	.	.	.	.	.
C	1	0.6491	0.0062	0.6370	0.6612	11119.8	<.0001
Scale	1	0.0800	0.0044	0.0718	0.0892		
Weibull Shape	1	12.4947	0.6888	11.2150	13.9205		

Estimated Covariance Matrix					
	Intercept	M_cont	C	Scale	
Intercept	0.000254	-0.000130	-0.000071217	-0.000014503	
M_cont	-0.000130	0.000148	0.000005038	-0.000001744	
C	-0.000071217	0.000005038	0.000037891	0.000008904	
Scale	-0.000014503	-0.000001744	0.000008904	0.000019469	

## The REG Procedure

Model: MODEL1

Dependent Variable: M\_cont

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	2	3848.85956	1924.42978	1741.40	<.0001
Error	99997	110507	1.10511		
Corrected Total	99999	114356			

Root MSE	1.05124	R-Square	0.0337
Dependent Mean	0.07064	Adj R-Sq	0.0336
Coeff Var	1488.06937		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-0.18085	0.00553	-32.71	<.0001
A	1	0.17123	0.00672	25.47	<.0001
C	1	0.17341	0.00324	53.46	<.0001

Obs	_RMSE_	Intercept	A	C
1	1.05124	-0.18085	0.17123	0.17341
2	1.05124	0.00003	-0.00002	-0.00001
3	1.05124	-0.00002	0.00005	0.00000
4	1.05124	-0.00001	0.00000	0.00001

Obs	effect	Estimate	s_e_	_95_CI_lower	_95_CI_upper
1	marginal cde	0.82774	0.09377	0.75013	0.93001
2	marginal pnde	0.86932	0.09408	0.79956	0.95365
3	marginal pnie	1.01987	0.10418	0.99665	1.07390
4	marginal tnde	0.89579	0.09709	0.83239	0.98508
5	marginal tnie	1.05119	0.11018	1.00080	1.13911
6	marginal total effect	0.92276	0.10083	0.85348	1.01475
7	conditional cde	0.82774	0.09377	0.75013	0.93001
8	conditional pnde	0.86854	0.09401	0.79889	0.95256
9	conditional pnie	1.01987	0.10418	0.99665	1.07390
10	conditional tnde	0.89499	0.09701	0.83112	0.98464
11	conditional tnie	1.05119	0.11018	1.00080	1.13911
12	conditional total effect	0.92193	0.10074	0.85248	1.01359