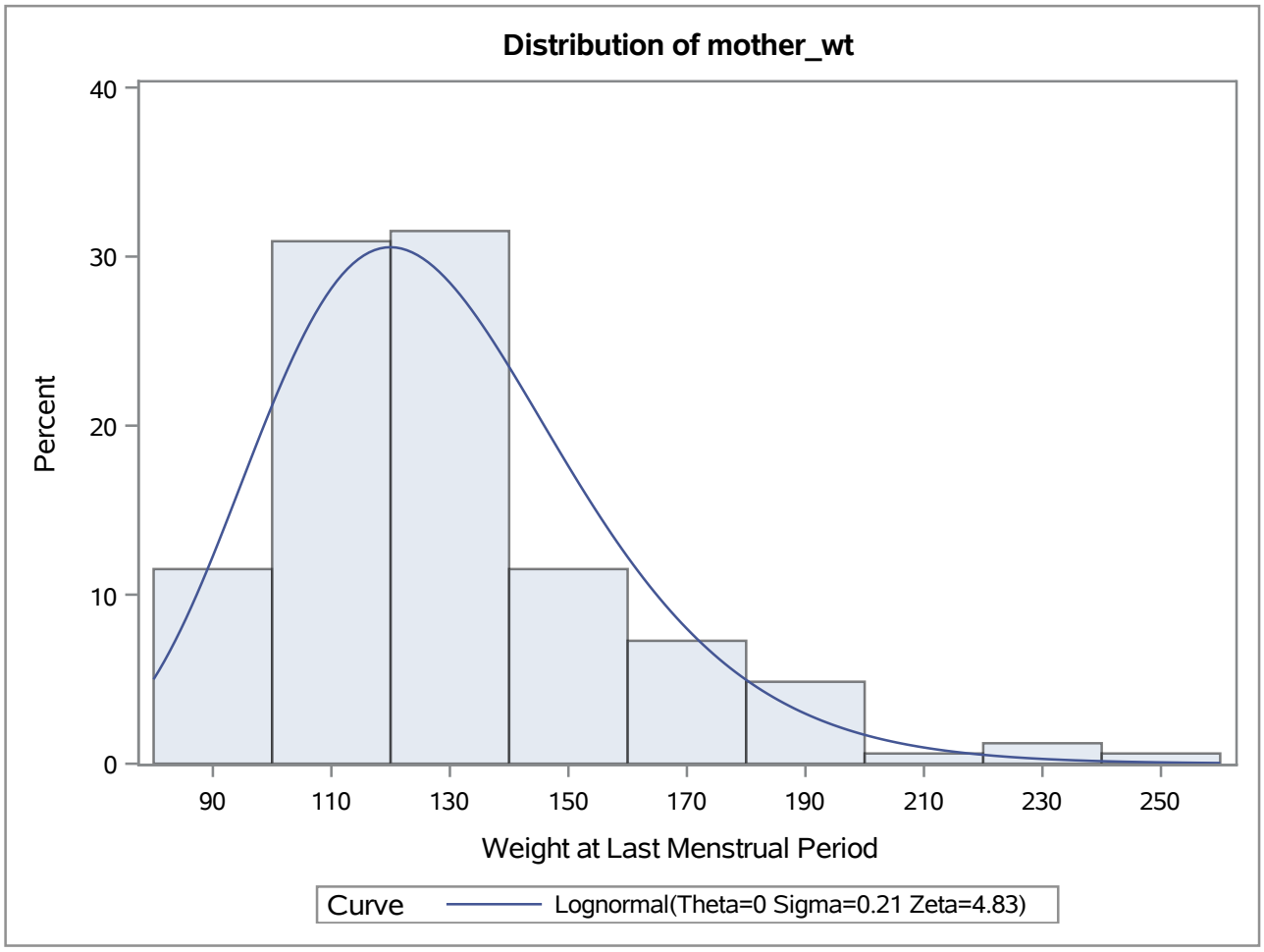
The MEANS Procedure

Variable	Label	N Miss
low	Indicator for Birth Weight	0
mother_wt	Weight at Last Menstrual Period	24
alcohol	Did the mother drink during pregnancy?	26
prev_pretrm	Previous Preterm Labors	0
hist_hyp	History of Hypertension	0

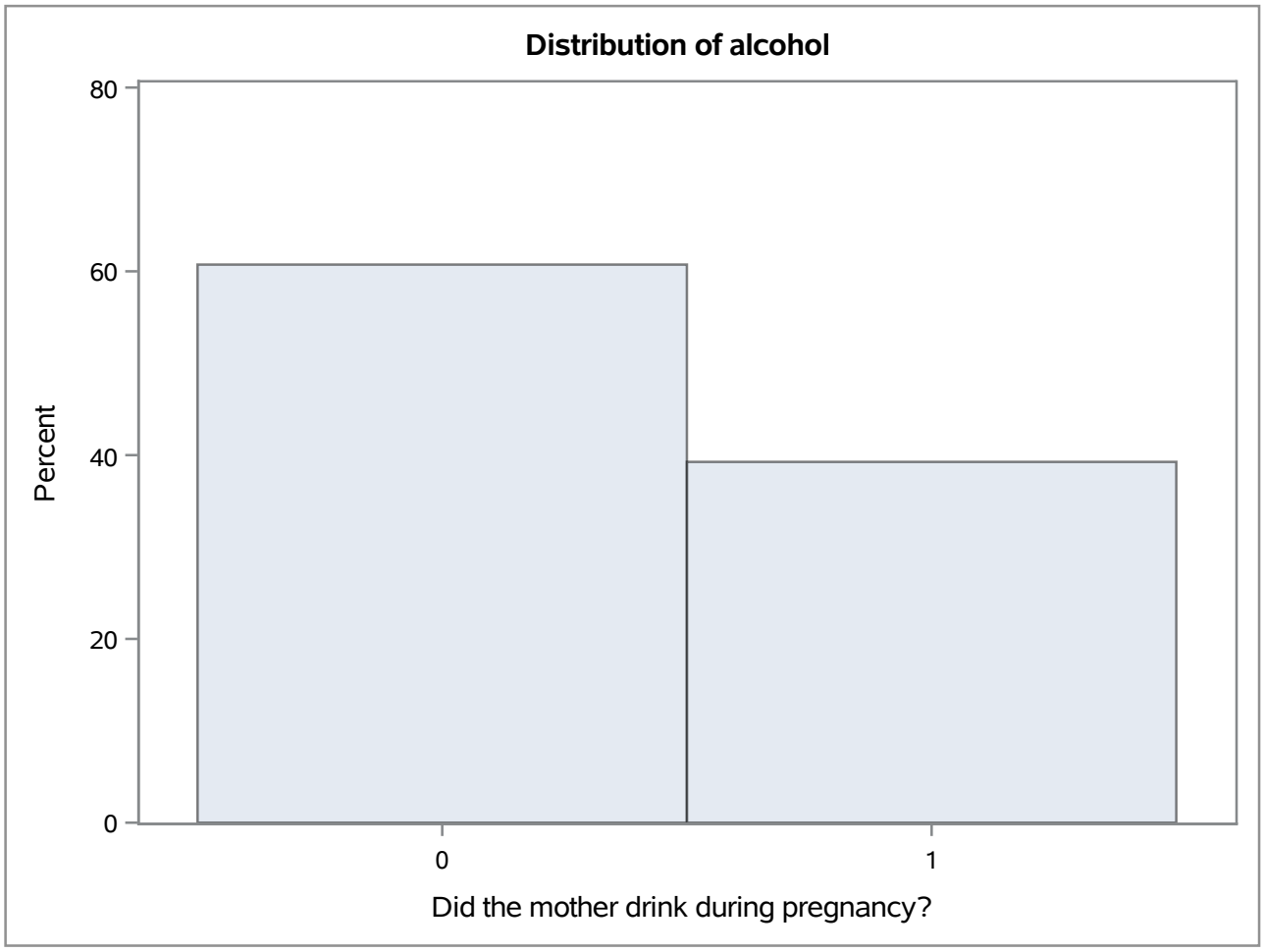
The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of m_weight by m_alcohol		
	m_alcohol		
m_weight	0	1	Total
0	145 76.72 87.88 88.96	20 10.58 12.12 76.92	165 87.30
1	18 9.52 75.00 11.04	6 3.17 25.00 23.08	24 12.70
Total	163 86.24	26 13.76	189 100.00

The UNIVARIATE Procedure



The UNIVARIATE Procedure



Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Number of Observations Read	189
Number of Observations Used	189

Missing Data Information Table

Variable	Number of Missing Obs	Observation Indices	Sampling Method
alcohol	26	6 10 17 22 28 37 46 52 58 63 69 76 82 88 92 103 110 120 129 137 ...	Inverse CDF
mother_wt	24	3 6 9 14 17 23 28 33 42 50 58 65 75 82 93 102 111 118 126 138 ...	N-Metropolis

Parameters

Block	Parameter	Sampling Method	Initial Value	Prior Distribution
1	**gamma0**	N-Metropolis	0	normal(0, var=100)
	gamma1		0	normal(0, var=100)
	gamma2		0	normal(0, var=100)
2	**alpha0**	N-Metropolis	0	normal(0, var=100)
	alpha1		0	normal(0, var=100)
	alpha2		0	normal(0, var=100)
	alpha3		0	normal(0, var=100)
3	**beta0**	N-Metropolis	0	normal(0, var=100)
	beta1		0	normal(0, var=100)
	beta2		0	normal(0, var=100)
	beta3		0	normal(0, var=100)
	beta4		0	normal(0, var=100)
4	**sigma2**	N-Metropolis	1.0000	igamma(shape=2.001, scale=1.001)

Tuning History

	RWM Scale		RWM Acceptance Rate	
Phase	**Low**	**High**	**Low**	**High**
1	2.380	2.380	0.492	0.834
2	4.122	13.52	0.234	0.300

Burn-In History

RWM Scale		RWM Acceptance Rate	
Low	**High**	**Low**	**High**
4.122	13.52	0.236	0.299

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Sampling History			
RWM Scale		RWM Acceptance Rate	
Low	High	Low	High
4.122	13.52	0.230	0.299

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Posterior Summaries

Parameter	N	Mean	Standard Deviation	Percentiles		
				25	50	75
gamma0	30000	-0.5812	0.1798	-0.7015	-0.5795	-0.4608
gamma1	30000	-0.0856	0.8531	-0.6355	-0.0647	0.4734
gamma2	30000	0.9209	0.4603	0.6108	0.9151	1.2225
alpha0	30000	4.8471	0.0250	4.8305	4.8468	4.8638
alpha1	30000	-0.0346	0.0395	-0.0613	-0.0347	-0.00840
alpha2	30000	0.1238	0.0840	0.0670	0.1239	0.1808
alpha3	30000	-0.0557	0.0490	-0.0887	-0.0558	-0.0225
beta0	30000	1.3058	1.0331	0.6087	1.2908	1.9803
beta1	30000	0.7036	0.3866	0.4424	0.7012	0.9652
beta2	30000	1.8633	0.7503	1.3510	1.8396	2.3520
beta3	30000	-0.0224	0.00822	-0.0277	-0.0221	-0.0167
beta4	30000	1.3371	0.4550	1.0286	1.3326	1.6404
sigma2	30000	0.0560	0.00628	0.0516	0.0555	0.0599
alcohol_6	30000	0.4908	0.4999	0	0	1.0000
mother_wt_9	30000	136.5	31.4484	113.9	132.7	155.9
alcohol_10	30000	0.4205	0.4936	0	0	1.0000
mother_wt_58	30000	135.9	31.8738	113.5	132.8	154.2
alcohol_63	30000	0.3310	0.4706	0	0	1.0000
mother_wt_183	30000	134.6	32.1761	111.6	130.6	153.6

Posterior Intervals

Parameter	Alpha	Equal-Tail Interval		HPD Interval	
gamma0	0.050	-0.9419	-0.2335	-0.9288	-0.2216
gamma1	0.050	-1.8178	1.5549	-1.8008	1.5676
gamma2	0.050	0.0266	1.8468	0.0270	1.8470
alpha0	0.050	4.7982	4.8964	4.7971	4.8952
alpha1	0.050	-0.1118	0.0438	-0.1150	0.0399
alpha2	0.050	-0.0418	0.2870	-0.0387	0.2897
alpha3	0.050	-0.1520	0.0396	-0.1521	0.0394
beta0	0.050	-0.6622	3.3809	-0.7254	3.2906
beta1	0.050	-0.0554	1.4634	-0.0590	1.4584
beta2	0.050	0.4530	3.3923	0.3887	3.3186
beta3	0.050	-0.0393	-0.00704	-0.0384	-0.00641

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Posterior Intervals					
Parameter	**Alpha**	**Equal-Tail Interval**		**HPD Interval**	
beta4	0.050	0.4539	2.2440	0.4426	2.2297
sigma2	0.050	0.0451	0.0696	0.0439	0.0681
alcohol_6	0.050	0	1.0000	0	1.0000
mother_wt_9	0.050	84.6759	208.2	79.6164	197.4
alcohol_10	0.050	0	1.0000	0	1.0000
mother_wt_58	0.050	82.5675	209.5	75.9238	198.2
alcohol_63	0.050	0	1.0000	0	1.0000
mother_wt_183	0.050	82.7477	207.6	78.1487	200.9

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Posterior Correlation Matrix												
Parameter	**gamma0**	**gamma1**	**gamma2**	**alpha0**	**alpha1**	**alpha2**	**alpha3**	**beta0**	**beta1**	**beta2**	**beta3**	**beta4**
gamma0	1.0000	-0.1482	-0.3662	0.0122	-0.0033	0.0030	-0.0069	-0.0088	-0.0006	-0.0091	0.0088	-0.0038
gamma1	-0.1482	1.0000	-0.0800	-0.0286	0.0571	0.0152	-0.0069	0.0213	-0.0209	-0.0467	-0.0213	0.0197
gamma2	-0.3662	-0.0800	1.0000	-0.0081	0.0058	-0.0073	0.0183	0.0053	-0.0016	0.0174	-0.0057	-0.0326
alpha0	0.0122	-0.0286	-0.0081	1.0000	-0.5706	-0.1628	-0.2362	-0.0449	-0.0143	-0.0036	0.0517	-0.0069
alpha1	-0.0033	0.0571	0.0058	-0.5706	1.0000	0.0238	-0.1699	0.0230	0.0035	-0.0061	-0.0230	-0.0025
alpha2	0.0030	0.0152	-0.0073	-0.1628	0.0238	1.0000	-0.0385	-0.0489	0.0165	0.0955	0.0458	0.0015
alpha3	-0.0069	-0.0069	0.0183	-0.2362	-0.1699	-0.0385	1.0000	0.0099	0.0010	-0.0021	-0.0151	0.0054
beta0	-0.0088	0.0213	0.0053	-0.0449	0.0230	-0.0489	0.0099	1.0000	-0.2309	0.1858	-0.9669	-0.0478
beta1	-0.0006	-0.0209	-0.0016	-0.0143	0.0035	0.0165	0.0010	-0.2309	1.0000	0.0129	0.0705	-0.1145
beta2	-0.0091	-0.0467	0.0174	-0.0036	-0.0061	0.0955	-0.0021	0.1858	0.0129	1.0000	-0.2466	0.0513
beta3	0.0088	-0.0213	-0.0057	0.0517	-0.0230	0.0458	-0.0151	-0.9669	0.0705	-0.2466	1.0000	-0.0187
beta4	-0.0038	0.0197	-0.0326	-0.0069	-0.0025	0.0015	0.0054	-0.0478	-0.1145	0.0513	-0.0187	1.0000
sigma2	-0.0011	0.0091	-0.0086	-0.0203	0.0072	-0.0159	0.0068	0.0090	0.0007	-0.0003	-0.0113	0.0033
alcohol_6	0.0939	-0.0172	-0.0384	0.0210	-0.0369	0.0044	0.0024	-0.0358	0.1303	0.0011	0.0144	-0.0034
mother_wt_9	0.0139	0.0011	-0.0146	0.0478	-0.0467	0.2976	-0.0301	-0.1256	-0.0000	0.0747	0.1314	-0.0088
alcohol_10	0.0223	0.3448	-0.0519	-0.0348	0.0634	0.0254	-0.0126	-0.0010	0.0816	-0.0574	-0.0149	0.0014
mother_wt_58	0.0007	-0.0059	-0.0074	0.0223	0.0111	0.2930	-0.0535	-0.1094	0.0167	0.0862	0.1105	-0.0006
alcohol_63	0.0868	-0.0115	-0.0189	0.0407	-0.0557	-0.0074	0.0021	-0.0077	-0.0640	-0.0035	0.0144	0.0129
mother_wt_183	-0.0059	0.0051	-0.0200	0.1017	-0.0483	-0.0248	-0.0428	0.0296	-0.0150	-0.0035	-0.0235	-0.0071

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Posterior Correlation Matrix							
Parameter	**sigma2**	**alcohol_6**	**mother_wt_9**	**alcohol_10**	**mother_wt_58**	**alcohol_63**	**mother_wt_183**
gamma0	-0.0011	0.0939	0.0139	0.0223	0.0007	0.0868	-0.0059
gamma1	0.0091	-0.0172	0.0011	0.3448	-0.0059	-0.0115	0.0051
gamma2	-0.0086	-0.0384	-0.0146	-0.0519	-0.0074	-0.0189	-0.0200
alpha0	-0.0203	0.0210	0.0478	-0.0348	0.0223	0.0407	0.1017
alpha1	0.0072	-0.0369	-0.0467	0.0634	0.0111	-0.0557	-0.0483
alpha2	-0.0159	0.0044	0.2976	0.0254	0.2930	-0.0074	-0.0248
alpha3	0.0068	0.0024	-0.0301	-0.0126	-0.0535	0.0021	-0.0428
beta0	0.0090	-0.0358	-0.1256	-0.0010	-0.1094	-0.0077	0.0296
beta1	0.0007	0.1303	-0.0000	0.0816	0.0167	-0.0640	-0.0150
beta2	-0.0003	0.0011	0.0747	-0.0574	0.0862	-0.0035	-0.0035
beta3	-0.0113	0.0144	0.1314	-0.0149	0.1105	0.0144	-0.0235
beta4	0.0033	-0.0034	-0.0088	0.0014	-0.0006	0.0129	-0.0071
sigma2	1.0000	-0.0056	-0.0258	-0.0004	-0.0318	-0.0001	0.0166
alcohol_6	-0.0056	1.0000	0.0064	0.0203	0.0046	-0.0029	-0.0019
mother_wt_9	-0.0258	0.0064	1.0000	-0.0037	0.1108	0.0021	0.0079
alcohol_10	-0.0004	0.0203	-0.0037	1.0000	-0.0078	-0.0044	-0.0024
mother_wt_58	-0.0318	0.0046	0.1108	-0.0078	1.0000	0.0106	-0.0024
alcohol_63	-0.0001	-0.0029	0.0021	-0.0044	0.0106	1.0000	-0.0081
mother_wt_183	0.0166	-0.0019	0.0079	-0.0024	-0.0024	-0.0081	1.0000

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Posterior Covariance Matrix

Parameter	gamma0	gamma1	gamma2	alpha0	alpha1	alpha2	alpha3	beta0	beta1	beta2	beta3
gamma0	0.0323	-0.0227	-0.0303	0.000055	-0.00002	0.000045	-0.00006	-0.00163	-0.00004	-0.00123	0.000013
gamma1	-0.0227	0.7278	-0.0314	-0.00061	0.00192	0.00109	-0.00029	0.0188	-0.00688	-0.0299	-0.00015
gamma2	-0.0303	-0.0314	0.2119	-0.00009	0.000105	-0.00028	0.000414	0.00253	-0.00028	0.00603	-0.00002
alpha0	0.000055	-0.00061	-0.00009	0.000625	-0.00056	-0.00034	-0.00029	-0.00116	-0.00014	-0.00007	0.000011
alpha1	-0.00002	0.00192	0.000105	-0.00056	0.00156	0.000079	-0.00033	0.000938	0.000053	-0.00018	-7.47E-6
alpha2	0.000045	0.00109	-0.00028	-0.00034	0.000079	0.00706	-0.00016	-0.00425	0.000536	0.00602	0.000032
alpha3	-0.00006	-0.00029	0.000414	-0.00029	-0.00033	-0.00016	0.00240	0.000500	0.000019	-0.00008	-6.07E-6
beta0	-0.00163	0.0188	0.00253	-0.00116	0.000938	-0.00425	0.000500	1.0672	-0.0922	0.1440	-0.00821
beta1	-0.00004	-0.00688	-0.00028	-0.00014	0.000053	0.000536	0.000019	-0.0922	0.1495	0.00376	0.000224
beta2	-0.00123	-0.0299	0.00603	-0.00007	-0.00018	0.00602	-0.00008	0.1440	0.00376	0.5629	-0.00152
beta3	0.000013	-0.00015	-0.00002	0.000011	-7.47E-6	0.000032	-6.07E-6	-0.00821	0.000224	-0.00152	0.000067
beta4	-0.00031	0.00765	-0.00682	-0.00008	-0.00005	0.000058	0.000121	-0.0225	-0.0201	0.0175	-0.00007
sigma2	-1.22E-6	0.000049	-0.00002	-3.19E-6	1.782E-6	-8.37E-6	2.104E-6	0.000059	1.715E-6	-1.57E-6	-5.81E-7
alcohol_6	0.00844	-0.00732	-0.00885	0.000262	-0.00073	0.000184	0.000058	-0.0185	0.0252	0.000422	0.000059
mother_wt_9	0.0787	0.0303	-0.2108	0.0376	-0.0580	0.7864	-0.0464	-4.0796	-0.00035	1.7633	0.0340
alcohol_10	0.00198	0.1452	-0.0118	-0.00043	0.00124	0.00106	-0.00030	-0.00049	0.0156	-0.0213	-0.00006
mother_wt_58	0.00379	-0.1602	-0.1086	0.0178	0.0140	0.7846	-0.0836	-3.6036	0.2059	2.0611	0.0289
alcohol_63	0.00734	-0.00461	-0.00409	0.000479	-0.00104	-0.00029	0.000049	-0.00375	-0.0117	-0.00123	0.000056
mother_wt_183	-0.0343	0.1411	-0.2965	0.0818	-0.0615	-0.0669	-0.0674	0.9839	-0.1860	-0.0834	-0.00622

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Posterior Covariance Matrix								
Parameter	**beta4**	**sigma2**	**alcohol_6**	**mother_wt_9**	**alcohol_10**	**mother_wt_58**	**alcohol_63**	**mother_wt_183**
gamma0	-0.00031	-1.22E-6	0.00844	0.0787	0.00198	0.00379	0.00734	-0.0343
gamma1	0.00765	0.000049	-0.00732	0.0303	0.1452	-0.1602	-0.00461	0.1411
gamma2	-0.00682	-0.00002	-0.00885	-0.2108	-0.0118	-0.1086	-0.00409	-0.2965
alpha0	-0.00008	-3.19E-6	0.000262	0.0376	-0.00043	0.0178	0.000479	0.0818
alpha1	-0.00005	1.782E-6	-0.00073	-0.0580	0.00124	0.0140	-0.00104	-0.0615
alpha2	0.000058	-8.37E-6	0.000184	0.7864	0.00106	0.7846	-0.00029	-0.0669
alpha3	0.000121	2.104E-6	0.000058	-0.0464	-0.00030	-0.0836	0.000049	-0.0674
beta0	-0.0225	0.000059	-0.0185	-4.0796	-0.00049	-3.6036	-0.00375	0.9839
beta1	-0.0201	1.715E-6	0.0252	-0.00035	0.0156	0.2059	-0.0117	-0.1860
beta2	0.0175	-1.57E-6	0.000422	1.7633	-0.0213	2.0611	-0.00123	-0.0834
beta3	-0.00007	-5.81E-7	0.000059	0.0340	-0.00006	0.0289	0.000056	-0.00622
beta4	0.2070	9.529E-6	-0.00078	-0.1257	0.000319	-0.00914	0.00275	-0.1040
sigma2	9.529E-6	0.000039	-0.00002	-0.00509	-1.22E-6	-0.00636	-3.45E-7	0.00335
alcohol_6	-0.00078	-0.00002	0.2499	0.1000	0.00502	0.0737	-0.00069	-0.0311
mother_wt_9	-0.1257	-0.00509	0.1000	989.0	-0.0572	111.0	0.0310	8.0290
alcohol_10	0.000319	-1.22E-6	0.00502	-0.0572	0.2437	-0.1232	-0.00102	-0.0384
mother_wt_58	-0.00914	-0.00636	0.0737	111.0	-0.1232	1015.9	0.1591	-2.4612
alcohol_63	0.00275	-3.45E-7	-0.00069	0.0310	-0.00102	0.1591	0.2215	-0.1227
mother_wt_183	-0.1040	0.00335	-0.0311	8.0290	-0.0384	-2.4612	-0.1227	1035.3

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Monte Carlo Standard Errors			
Parameter	MCSE	Standard Deviation	MCSE/SD
gamma0	0.00132	0.1798	0.00734
gamma1	0.00695	0.8531	0.00814
gamma2	0.00340	0.4603	0.00738
alpha0	0.000228	0.0250	0.00911
alpha1	0.000346	0.0395	0.00874
alpha2	0.000956	0.0840	0.0114
alpha3	0.000399	0.0490	0.00815
beta0	0.0103	1.0331	0.00996
beta1	0.00323	0.3866	0.00836
beta2	0.00659	0.7503	0.00878
beta3	0.000084	0.00822	0.0102
beta4	0.00373	0.4550	0.00819
sigma2	0.000048	0.00628	0.00764
alcohol_6	0.00292	0.4999	0.00584
mother_wt_9	0.4614	31.4484	0.0147
alcohol_10	0.00304	0.4936	0.00615
mother_wt_58	0.3951	31.8738	0.0124
alcohol_63	0.00272	0.4706	0.00577
mother_wt_183	0.4275	32.1761	0.0133

Posterior Autocorrelations				
Parameter	Lag 1	Lag 5	Lag 10	Lag 50
gamma0	0.2389	0.0046	0.0072	-0.0076
gamma1	0.3197	0.0071	0.0041	-0.0050
gamma2	0.2429	0.0086	0.0062	0.0105
alpha0	0.3581	0.0371	0.0058	0.0018
alpha1	0.3206	0.0341	0.0111	-0.0093
alpha2	0.4147	0.1033	0.0305	0.0007
alpha3	0.2972	0.0189	0.0160	-0.0086
beta0	0.4126	0.0558	0.0109	0.0048
beta1	0.3466	0.0070	-0.0094	0.0034
beta2	0.3573	0.0296	0.0025	-0.0050
beta3	0.4158	0.0631	0.0126	0.0009
beta4	0.3215	0.0114	0.0017	-0.0000

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Posterior Autocorrelations				
Parameter	Lag 1	Lag 5	Lag 10	Lag 50
sigma2	0.1415	0.0289	0.0022	-0.0008
alcohol_6	0.0118	-0.0024	-0.0071	-0.0007
mother_wt_9	0.7147	0.2160	0.0453	0.0020
alcohol_10	0.0507	-0.0022	-0.0032	-0.0023
mother_wt_58	0.6317	0.1218	0.0119	-0.0106
alcohol_63	-0.0013	-0.0035	0.0025	0.0066
mother_wt_183	0.6746	0.1605	0.0167	-0.0000

Geweke Diagnostics		
Parameter	z	Pr > |z|
gamma0	-1.9836	0.0473
gamma1	0.5241	0.6002
gamma2	0.4276	0.6690
alpha0	0.2240	0.8227
alpha1	0.7931	0.4277
alpha2	-1.6250	0.1042
alpha3	0.5590	0.5762
beta0	-0.6189	0.5360
beta1	-0.1025	0.9183
beta2	-1.4483	0.1475
beta3	0.7991	0.4242
beta4	1.0745	0.2826
sigma2	-1.2344	0.2171
alcohol_6	-1.3377	0.1810
mother_wt_9	-0.8772	0.3804
alcohol_10	-0.6120	0.5406
mother_wt_58	-2.9611	0.0031
alcohol_63	-1.2843	0.1990
mother_wt_183	-0.2630	0.7926

Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure

Raftery-Lewis Diagnostics				
Quantile=0.025 Accuracy=+/-0.005 Probability=0.95 Epsilon=0.001				
	Number of Samples			
Parameter	Burn-In	Total	Minimum	Dependence Factor
gamma0	3	4495	3746	1.1999
gamma1	4	4597	3746	1.2272
gamma2	3	4410	3746	1.1773
alpha0	4	5094	3746	1.3599
alpha1	4	4597	3746	1.2272
alpha2	6	9132	3746	2.4378
alpha3	4	4726	3746	1.2616
beta0	4	5052	3746	1.3486
beta1	4	5038	3746	1.3449
beta2	4	4872	3746	1.3006
beta3	6	8653	3746	2.3099
beta4	4	4886	3746	1.3043
sigma2	2	3929	3746	1.0489
alcohol_6	2	39326	3746	10.4981
mother_wt_9	17	17924	3746	4.7848
alcohol_10	3	41447	3746	11.0643
mother_wt_58	13	14534	3746	3.8799
alcohol_63	1	33941	3746	9.0606
mother_wt_183	14	15513	3746	4.1412

Heidelberger-Welch Diagnostics								
	Stationarity Test				Half-Width Test			
Parameter	Cramer-von Mises Stat	p-Value	Test Outcome	Iterations Discarded	Half-Width	Mean	Relative Half-Width	Test Outcome
gamma0	0.1360	0.4352	Passed	0	0.00250	-0.5812	-0.00430	Passed
gamma1	0.2151	0.2401	Passed	0	0.0124	-0.0856	-0.1450	Failed
gamma2	0.1178	0.5044	Passed	0	0.00776	0.9209	0.00843	Passed
alpha0	0.1321	0.4490	Passed	0	0.000488	4.8471	0.000101	Passed
alpha1	0.1040	0.5657	Passed	0	0.000708	-0.0346	-0.0205	Passed
alpha2	0.2900	0.1442	Passed	0	0.00206	0.1238	0.0166	Passed
alpha3	0.0674	0.7678	Passed	0	0.000970	-0.0557	-0.0174	Passed
beta0	0.1111	0.5333	Passed	0	0.0197	1.3058	0.0151	Passed
beta1	0.0489	0.8831	Passed	0	0.00598	0.7036	0.00850	Passed

Bayesian Analysis of Low Birth Weight Data

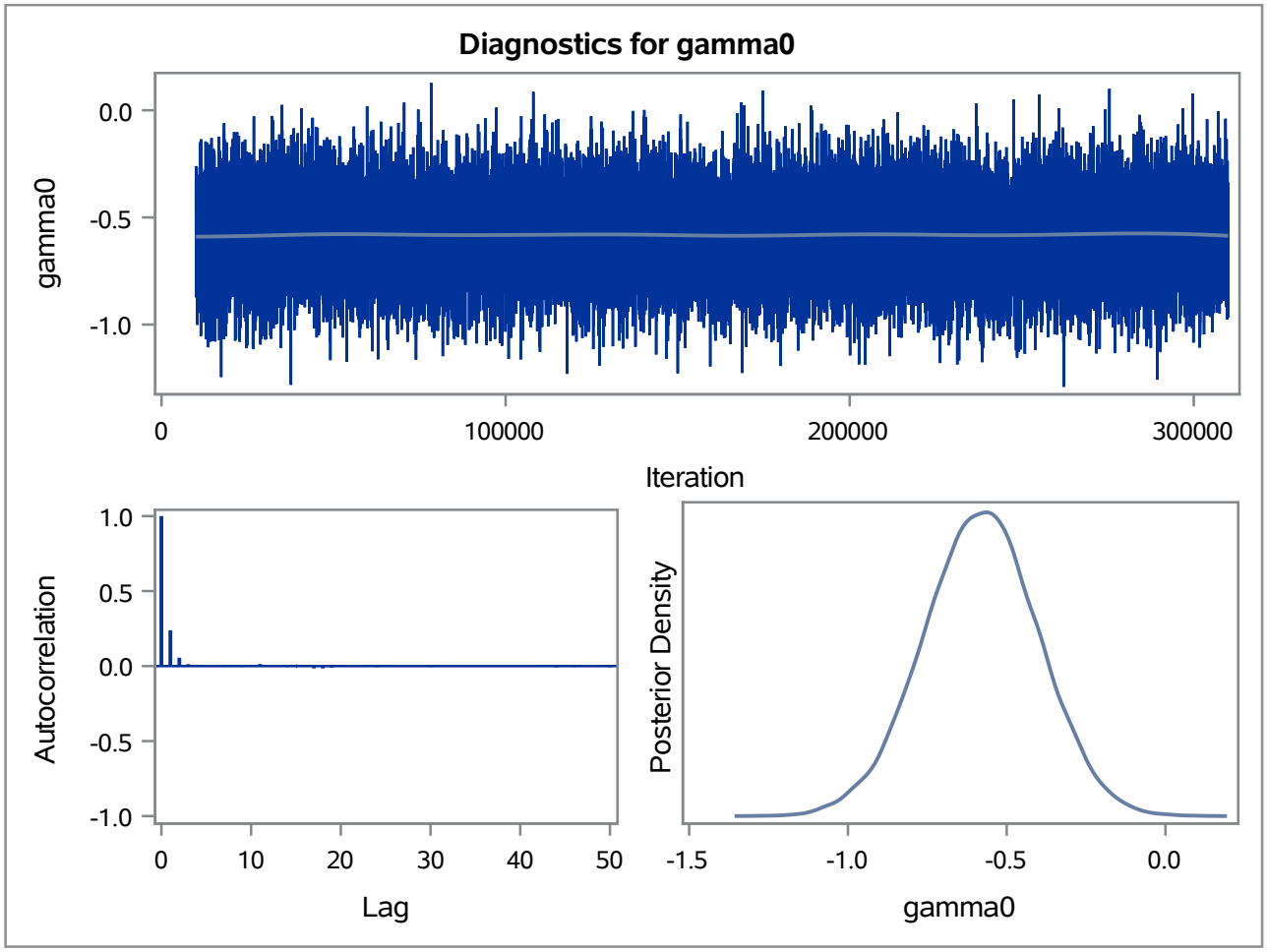
The MCMC Procedure

Heidelberger-Welch Diagnostics								
	Stationarity Test				Half-Width Test			
Parameter	Cramer-von Mises Stat	p-Value	Test Outcome	Iterations Discarded	Half-Width	Mean	Relative Half-Width	Test Outcome
beta2	0.2271	0.2205	Passed	0	0.0128	1.8633	0.00687	Passed
beta3	0.0985	0.5923	Passed	0	0.000163	-0.0224	-0.00731	Passed
beta4	0.4438	0.0555	Passed	0	0.00868	1.3371	0.00649	Passed
sigma2	0.2104	0.2481	Passed	0	0.000090	0.0560	0.00161	Passed
alcohol_6	0.1850	0.2985	Passed	0	0.00572	0.4908	0.0117	Passed
mother_wt_9	0.1923	0.2829	Passed	0	0.9677	136.5	0.00709	Passed
alcohol_10	0.1002	0.5839	Passed	0	0.00586	0.4205	0.0139	Passed
mother_wt_58	0.2125	0.2446	Passed	3000	1.0361	136.2	0.00761	Passed
alcohol_63	0.1165	0.5097	Passed	0	0.00571	0.3310	0.0173	Passed
mother_wt_183	0.1297	0.4578	Passed	0	0.7984	134.6	0.00593	Passed

Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
gamma0	18575.1	1.6151	0.6192
gamma1	15078.6	1.9896	0.5026
gamma2	18381.4	1.6321	0.6127
alpha0	12043.3	2.4910	0.4014
alpha1	13082.7	2.2931	0.4361
alpha2	7720.4	3.8858	0.2573
alpha3	15041.1	1.9945	0.5014
beta0	10084.5	2.9749	0.3361
beta1	14309.9	2.0965	0.4770
beta2	12968.0	2.3134	0.4323
beta3	9618.4	3.1190	0.3206
beta4	14910.7	2.0120	0.4970
sigma2	17130.2	1.7513	0.5710
alcohol_6	29306.6	1.0237	0.9769
mother_wt_9	4646.0	6.4571	0.1549
alcohol_10	26404.1	1.1362	0.8801
mother_wt_58	6506.6	4.6107	0.2169
alcohol_63	30000.0	1.0000	1.0000
mother_wt_183	5666.2	5.2946	0.1889

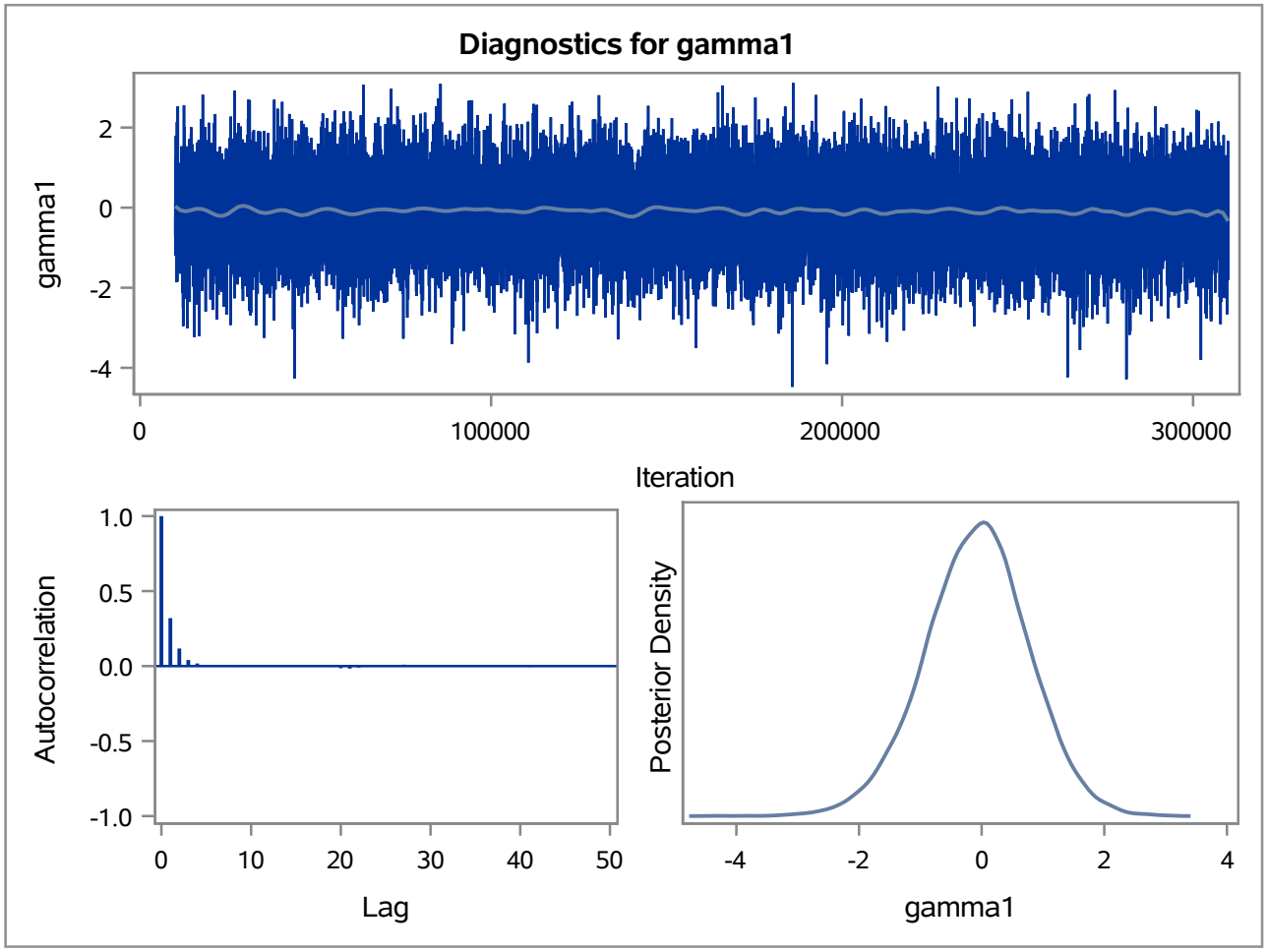
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



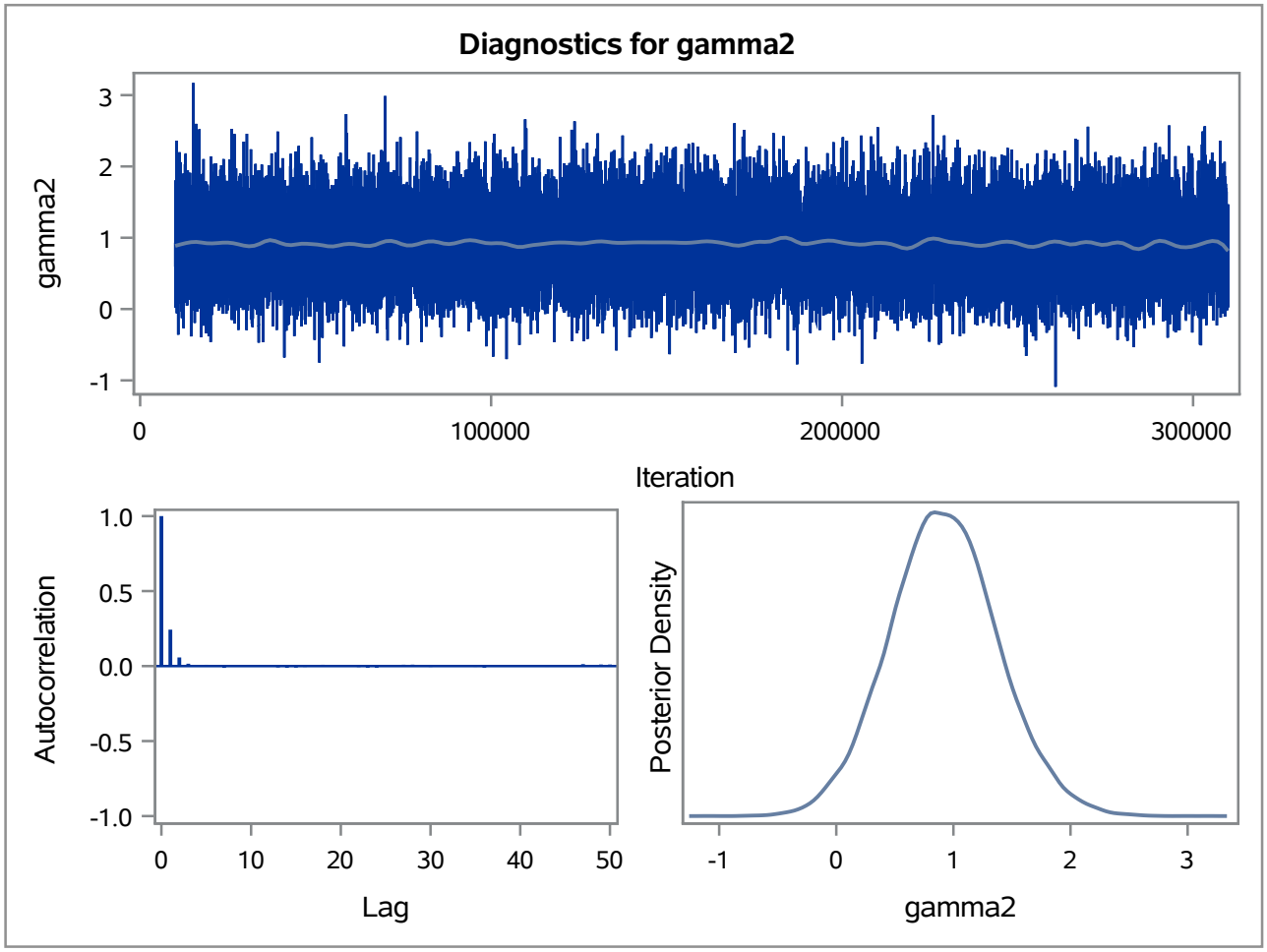
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



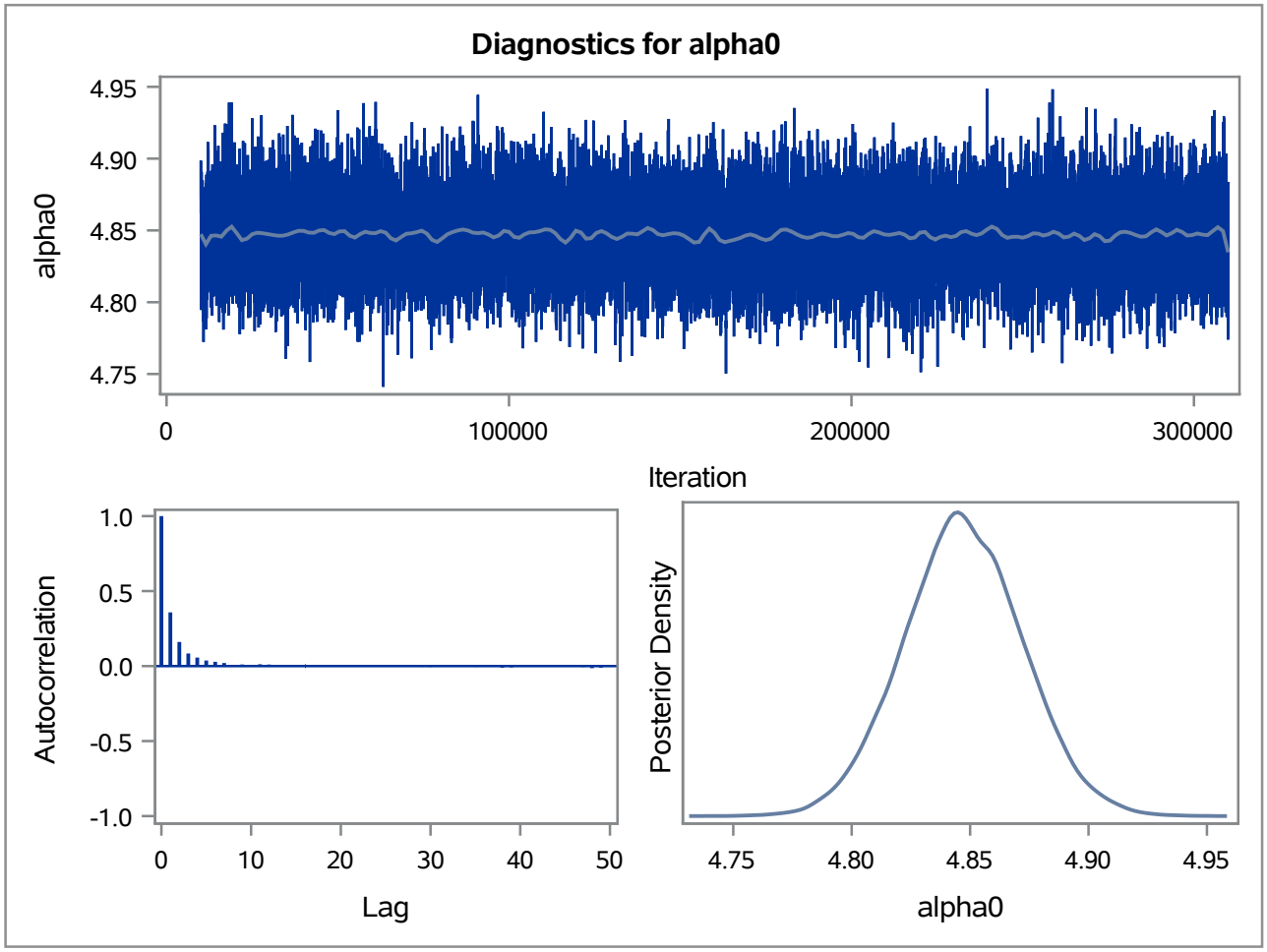
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



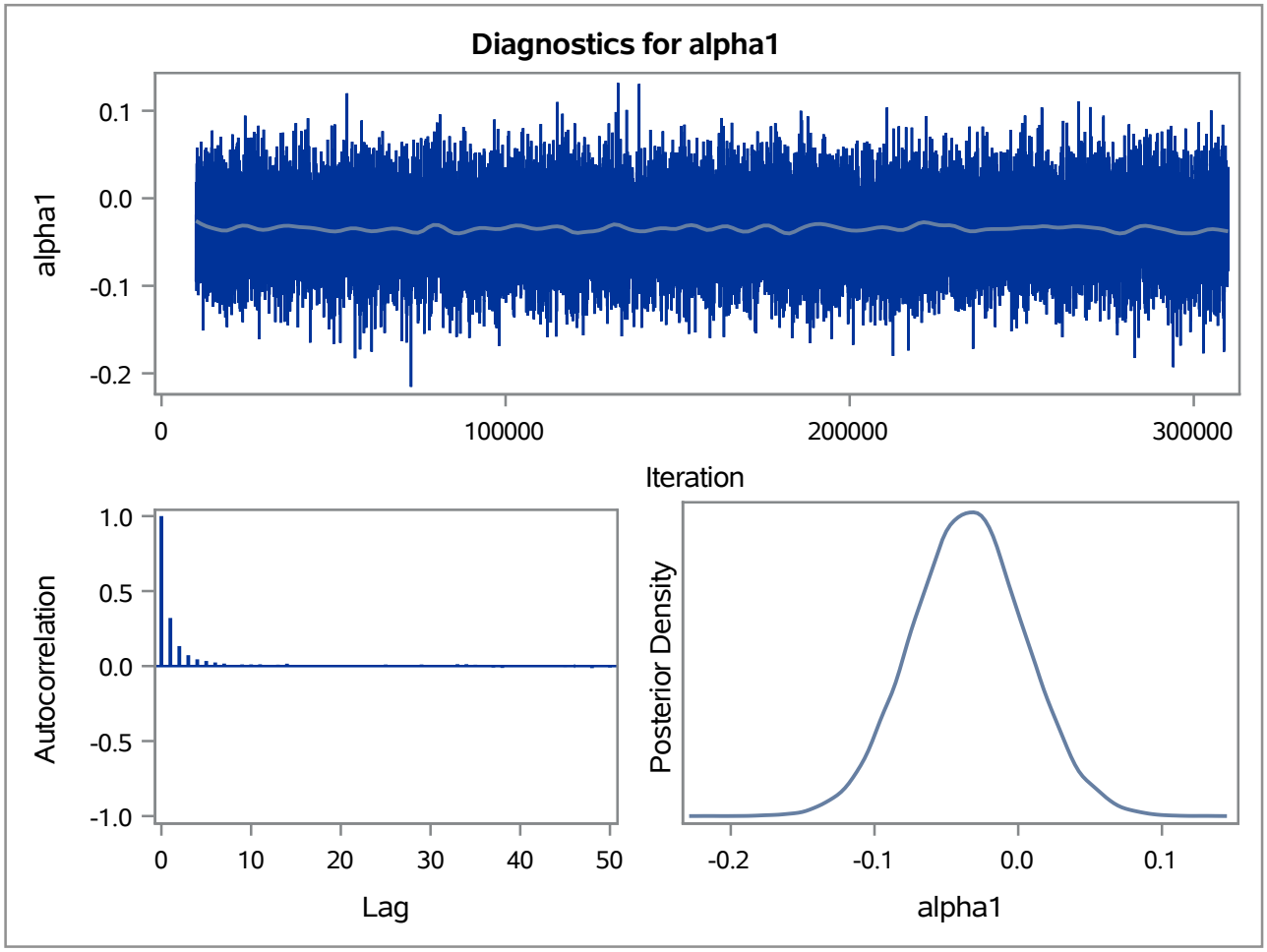
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



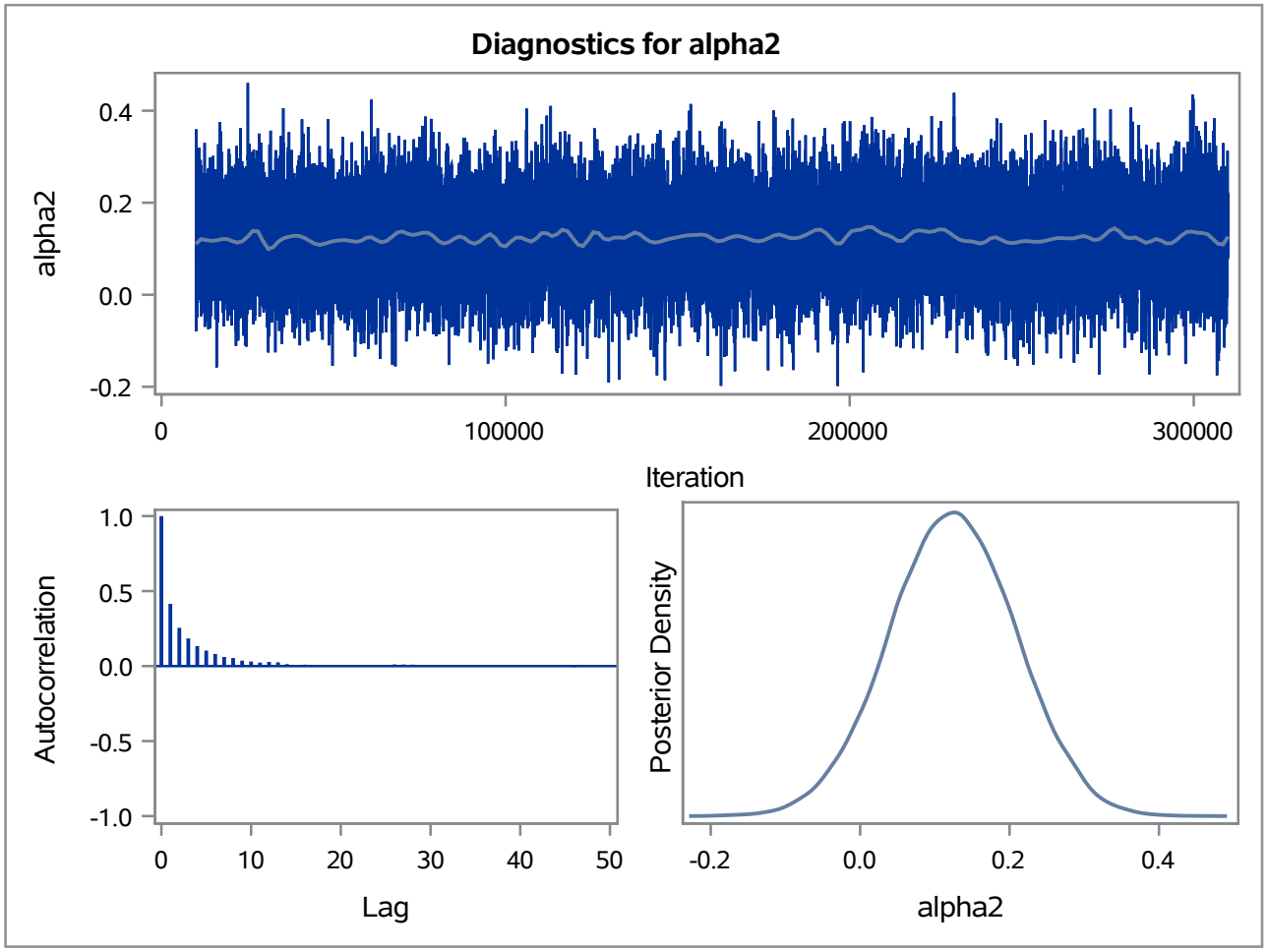
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



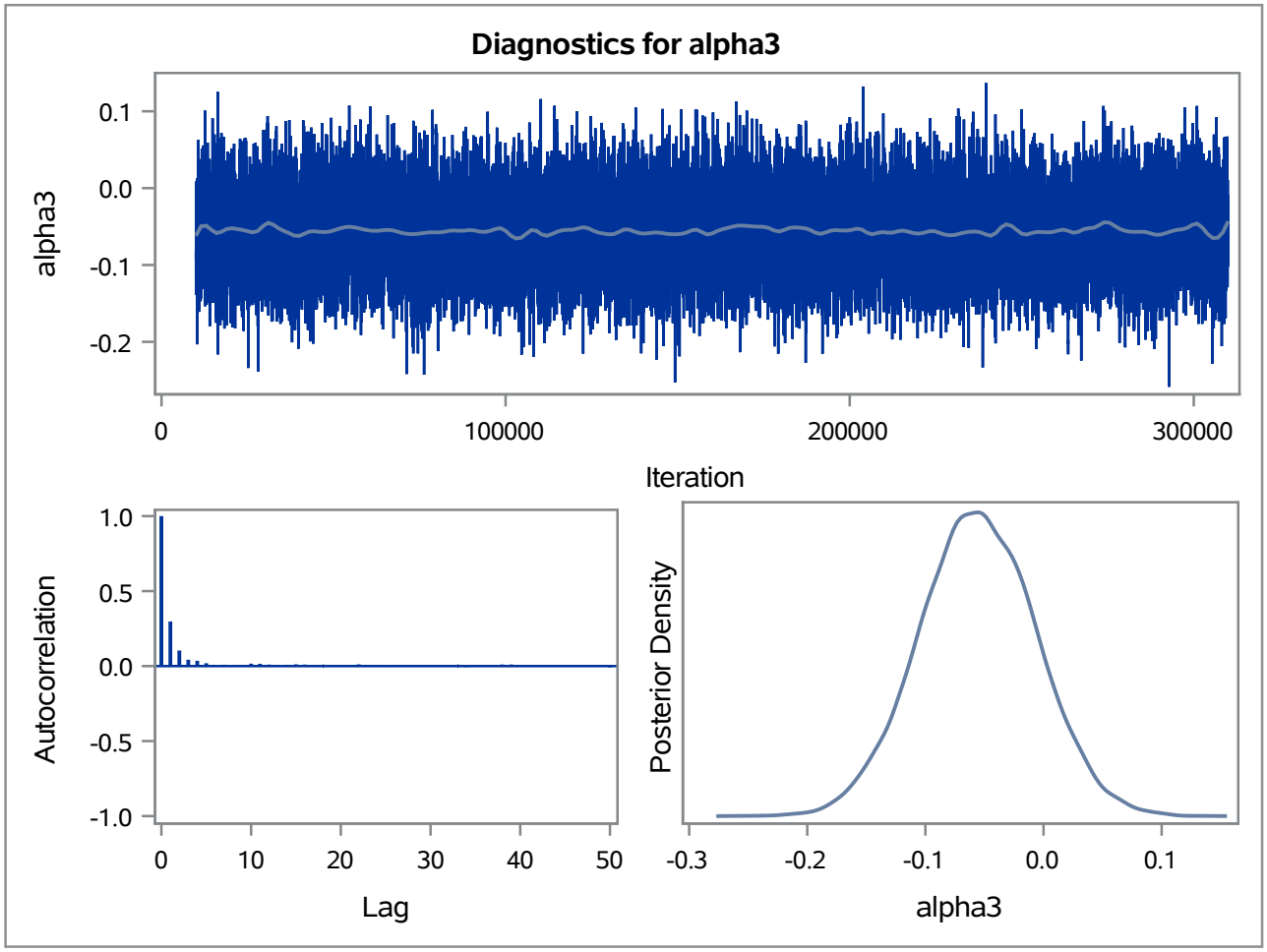
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



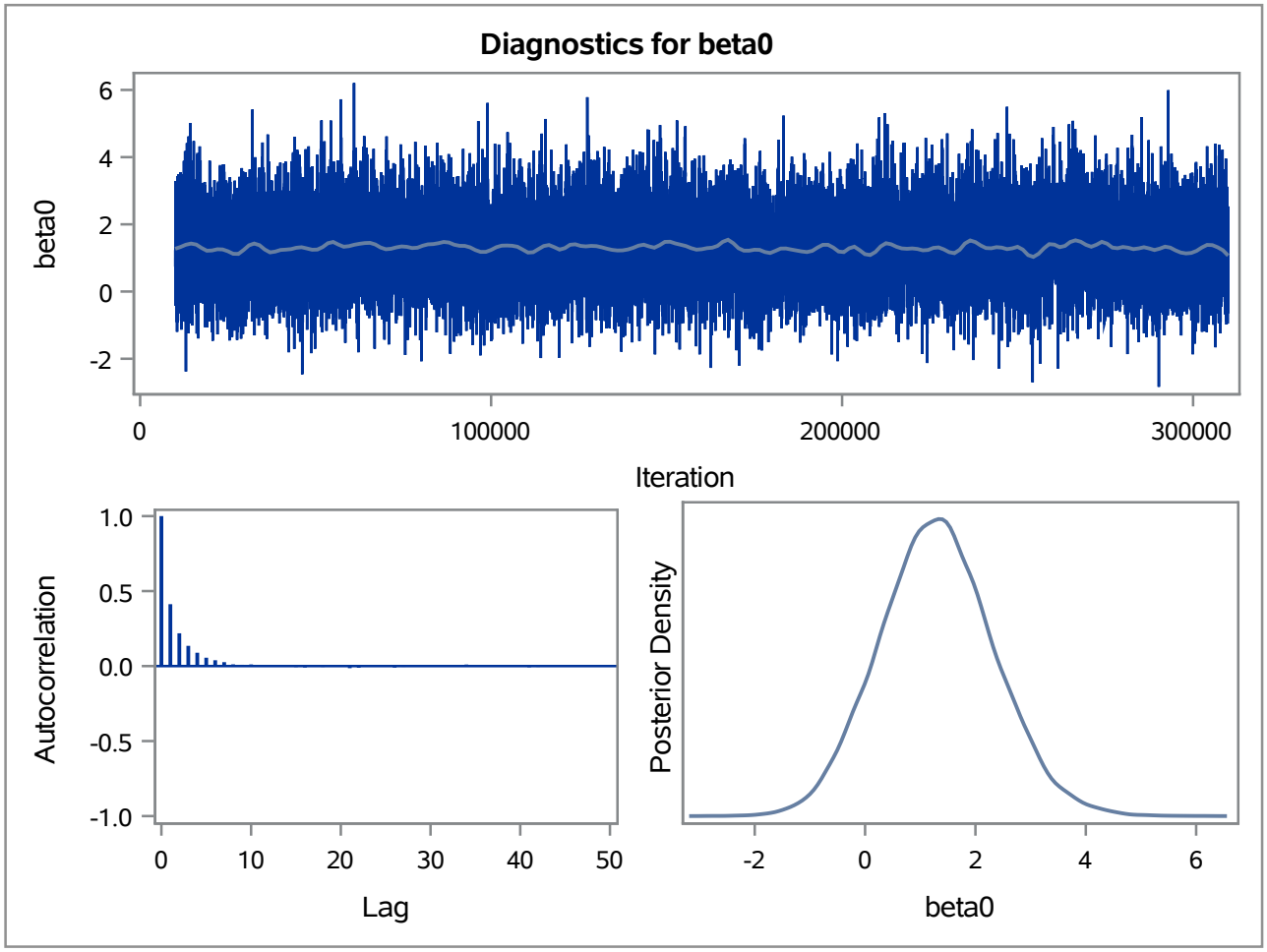
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



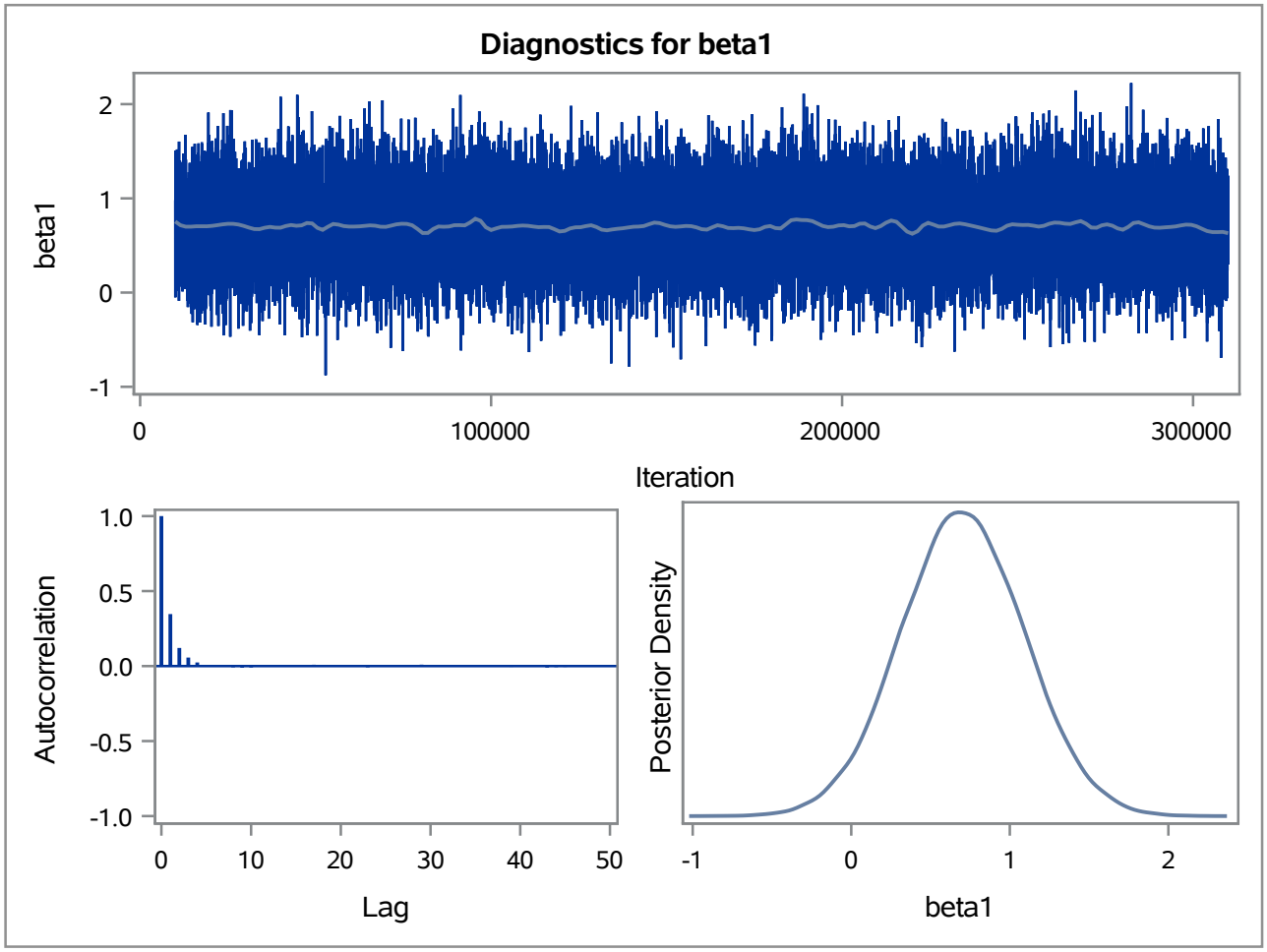
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



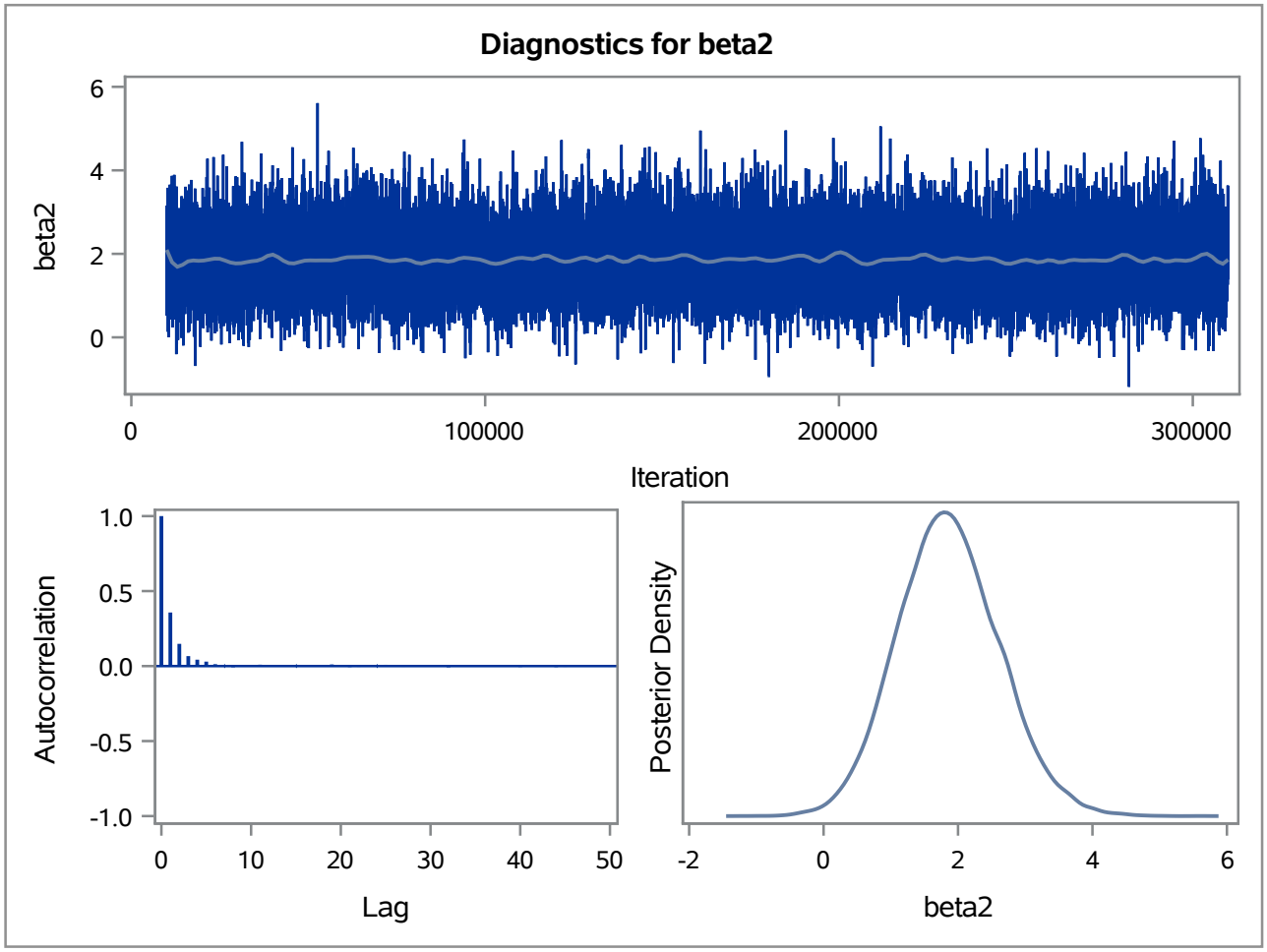
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



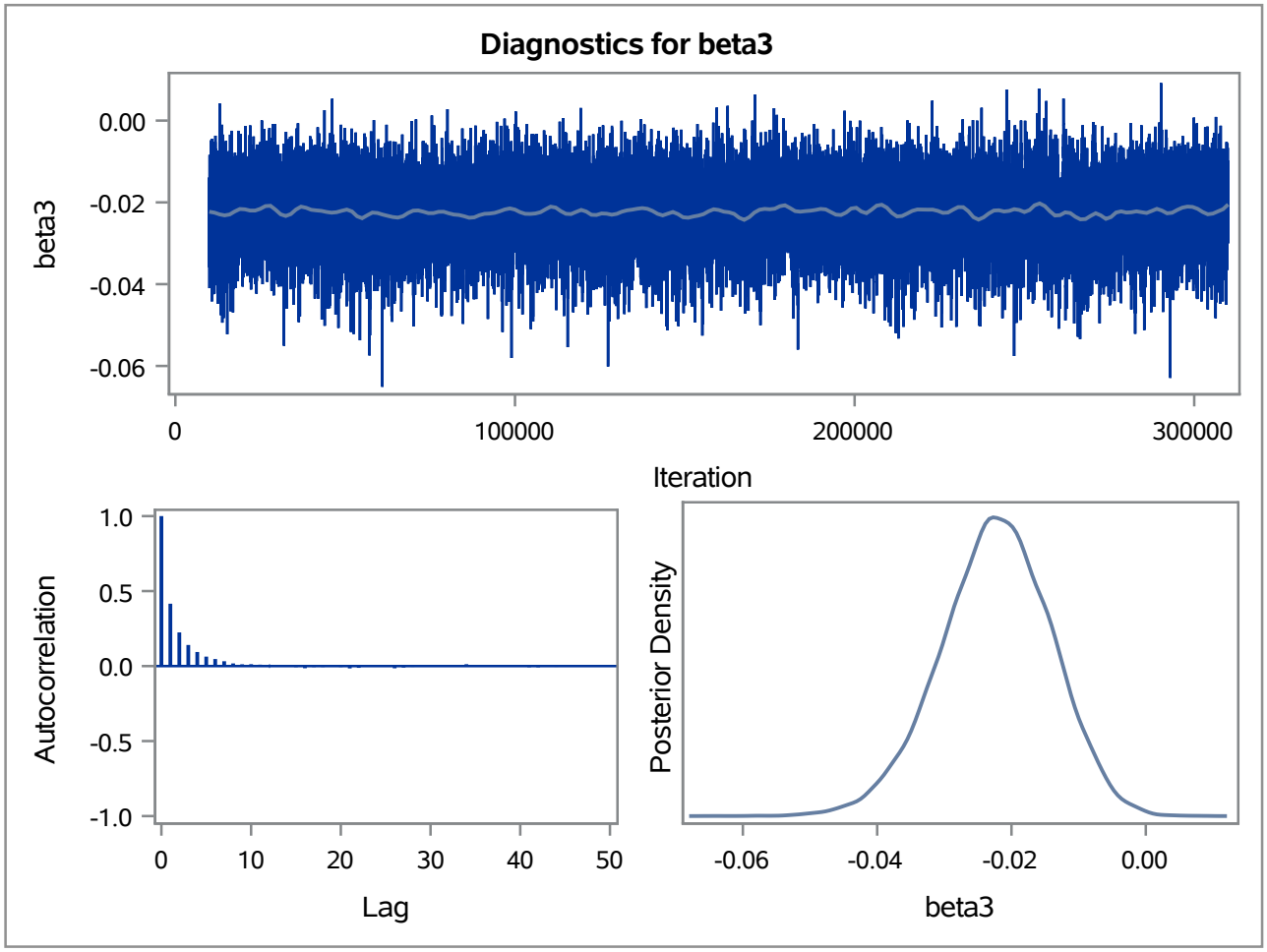
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



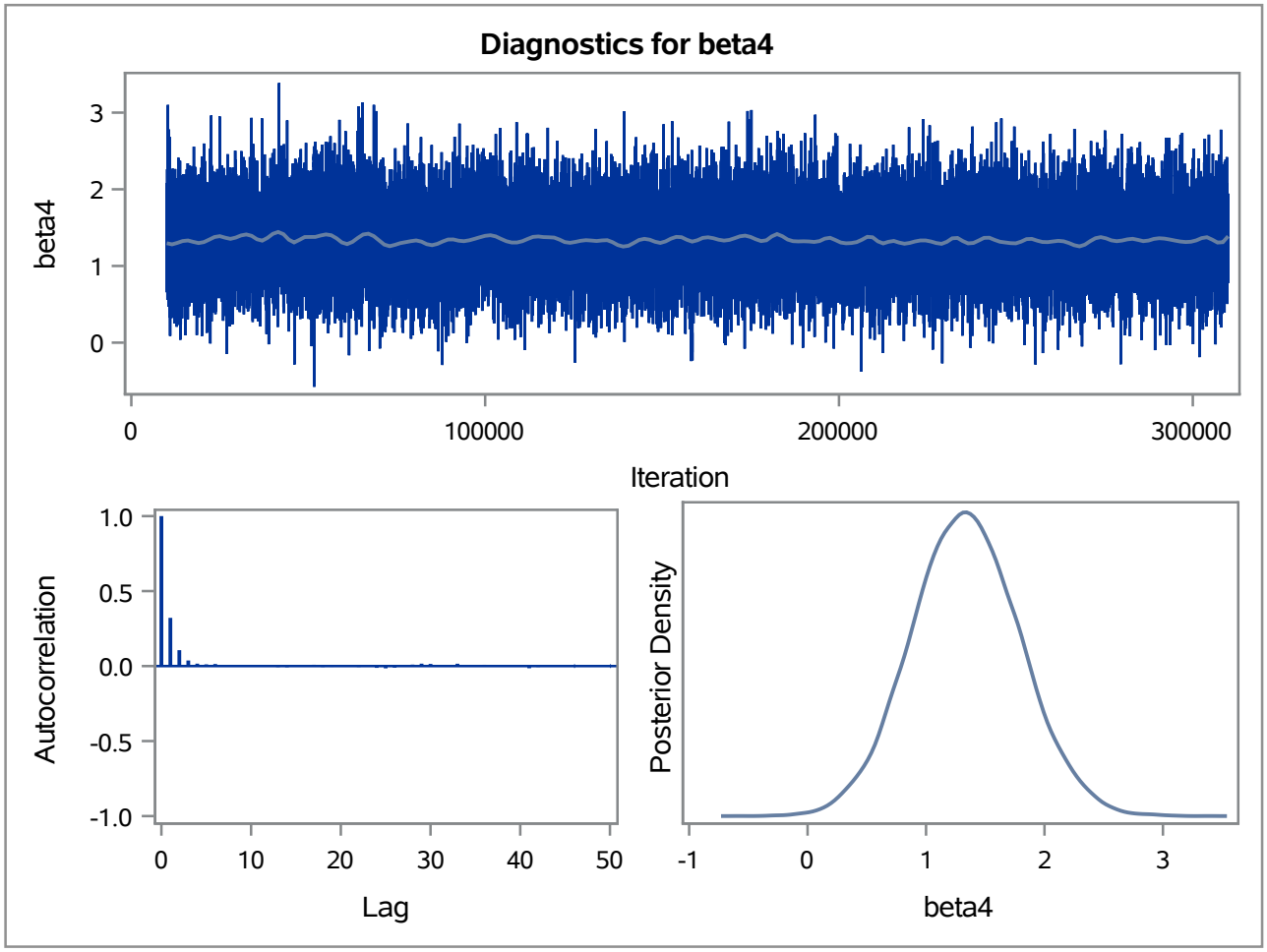
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



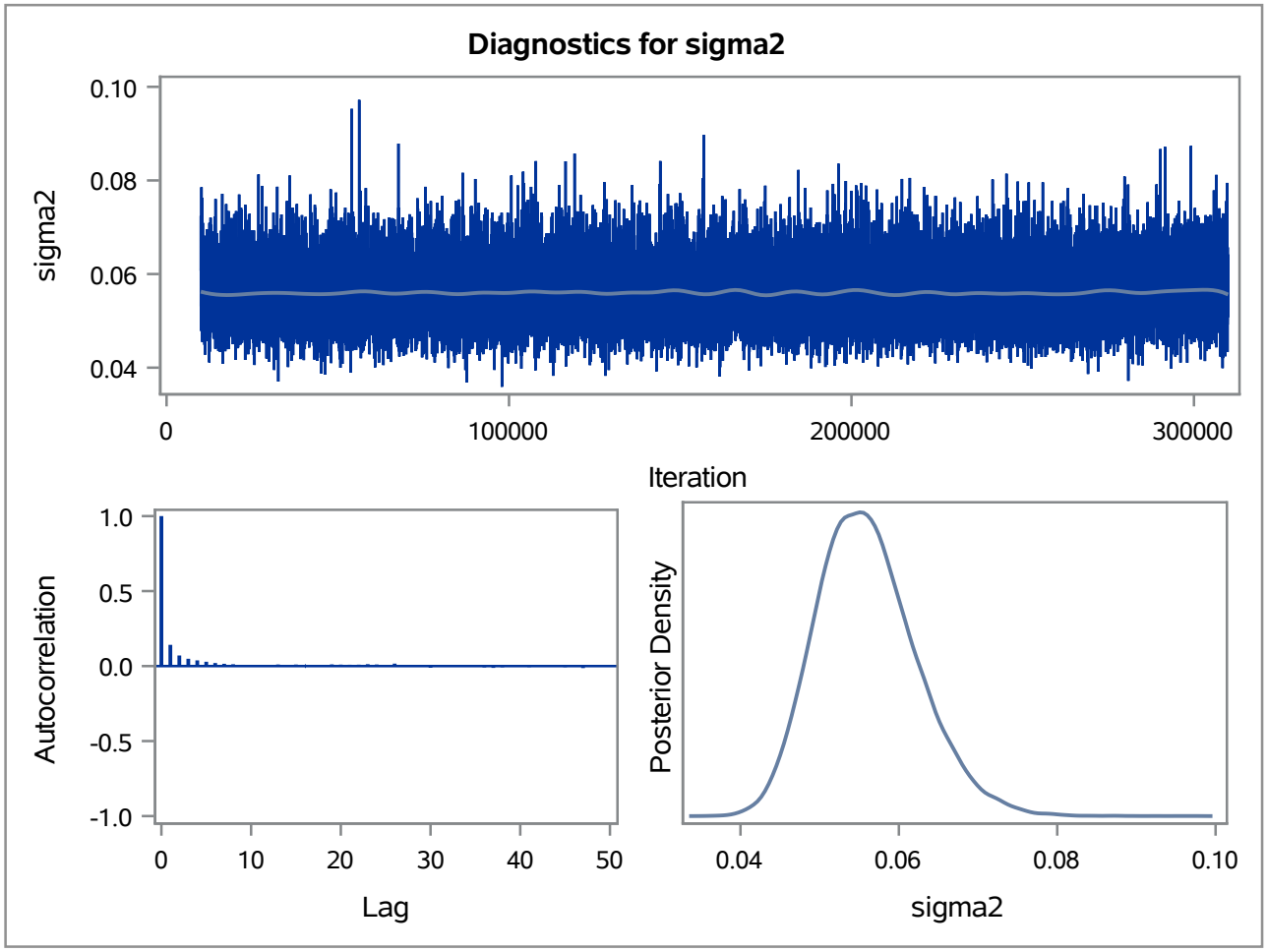
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



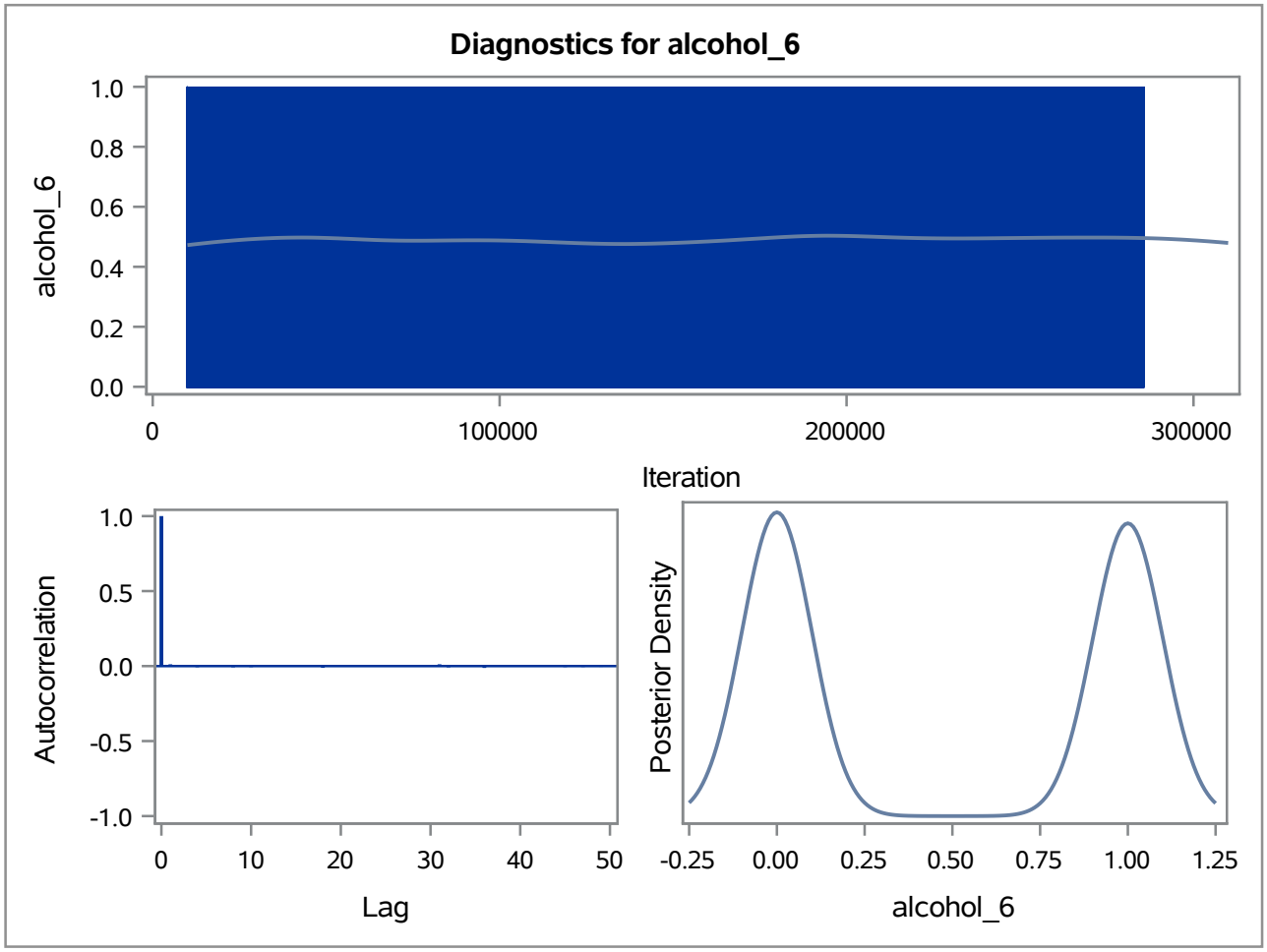
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



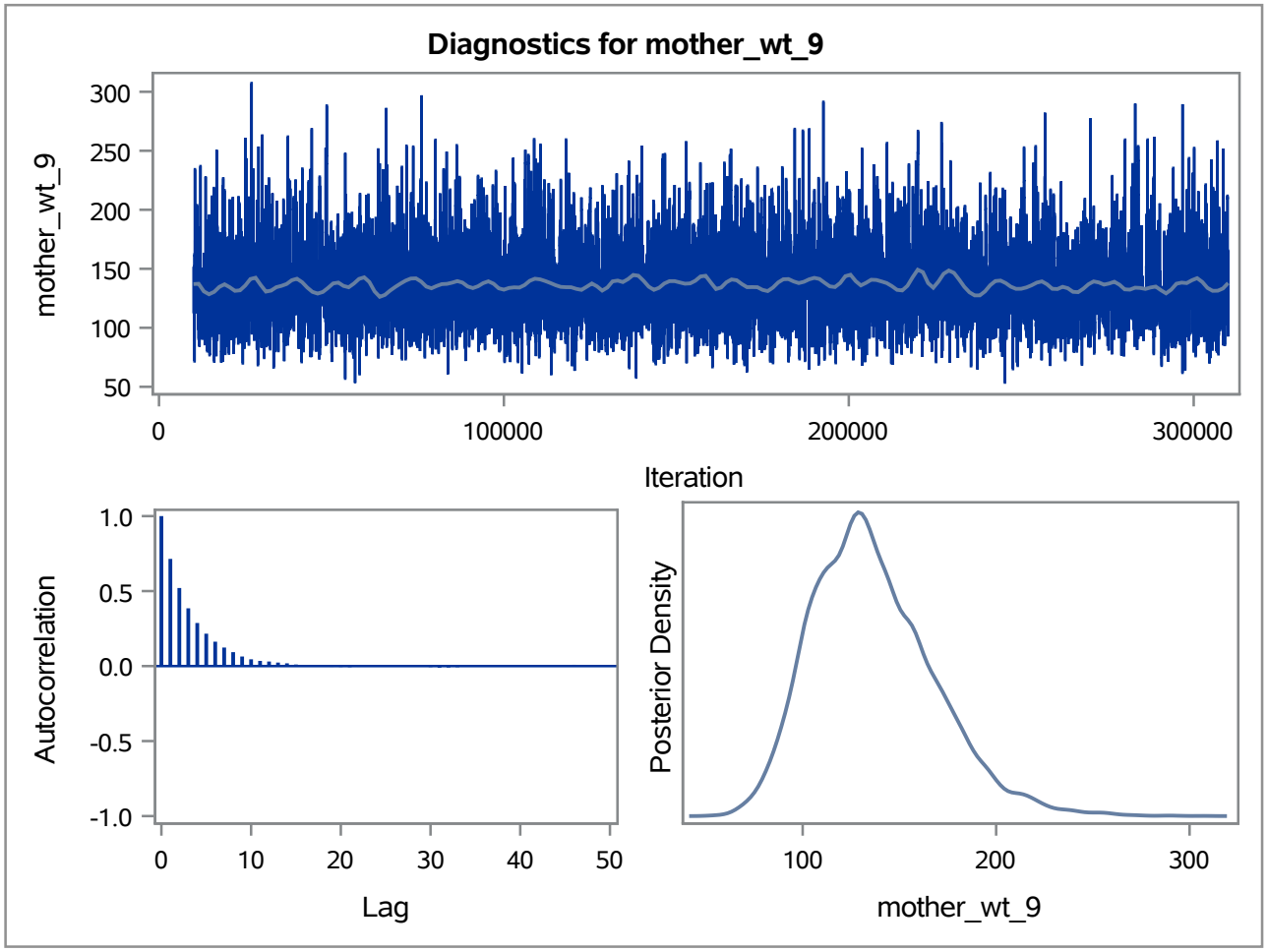
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



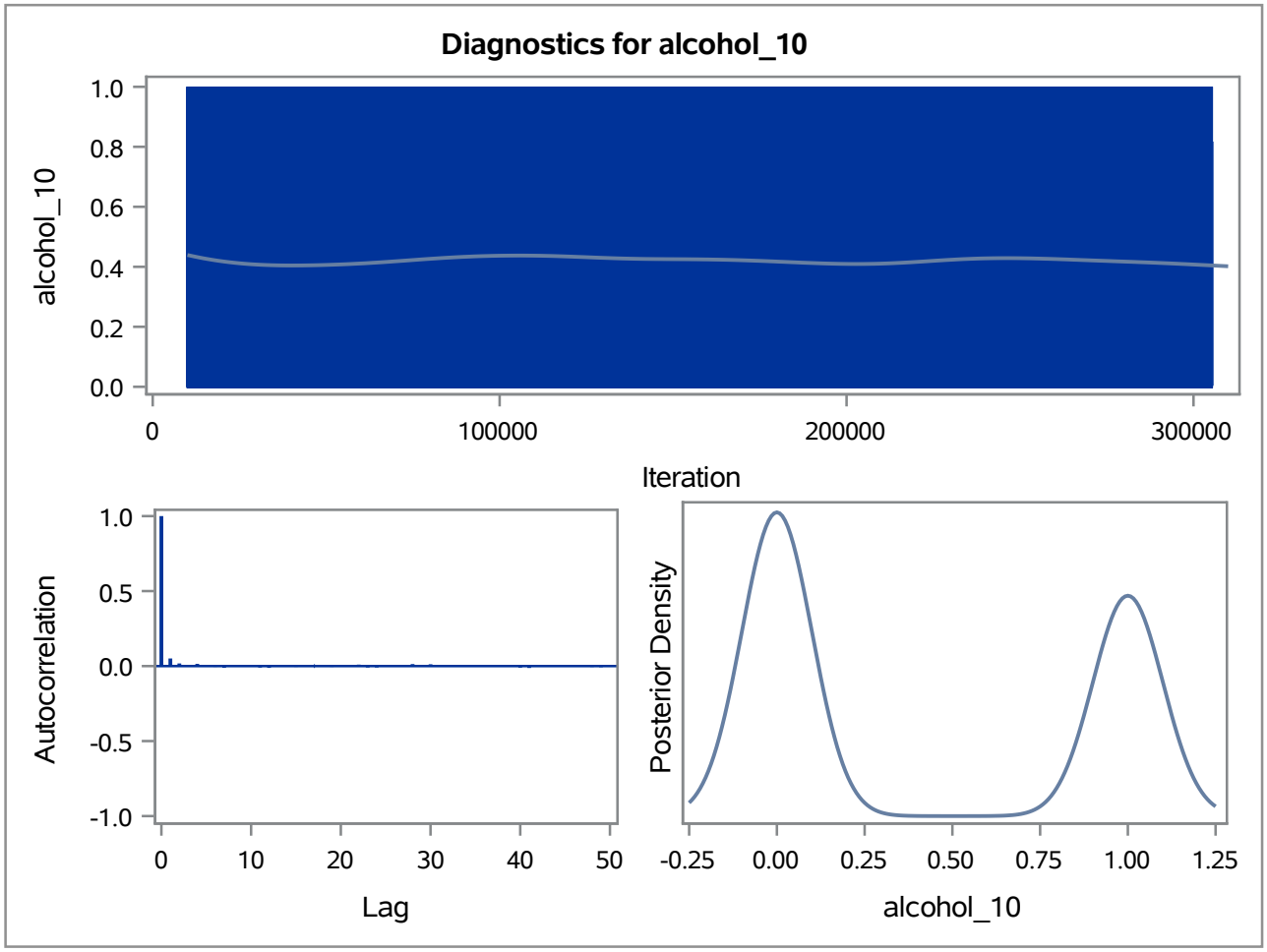
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



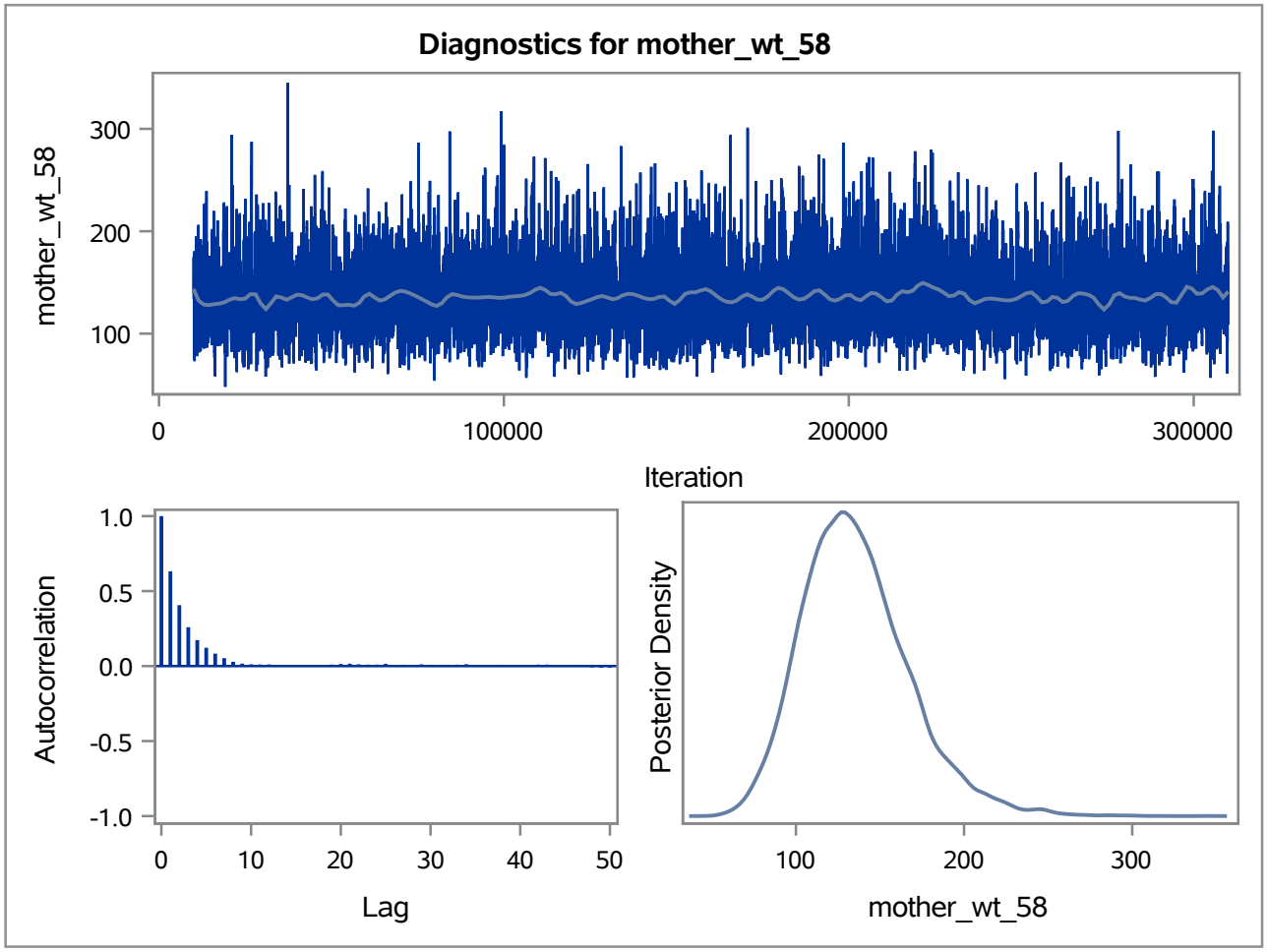
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



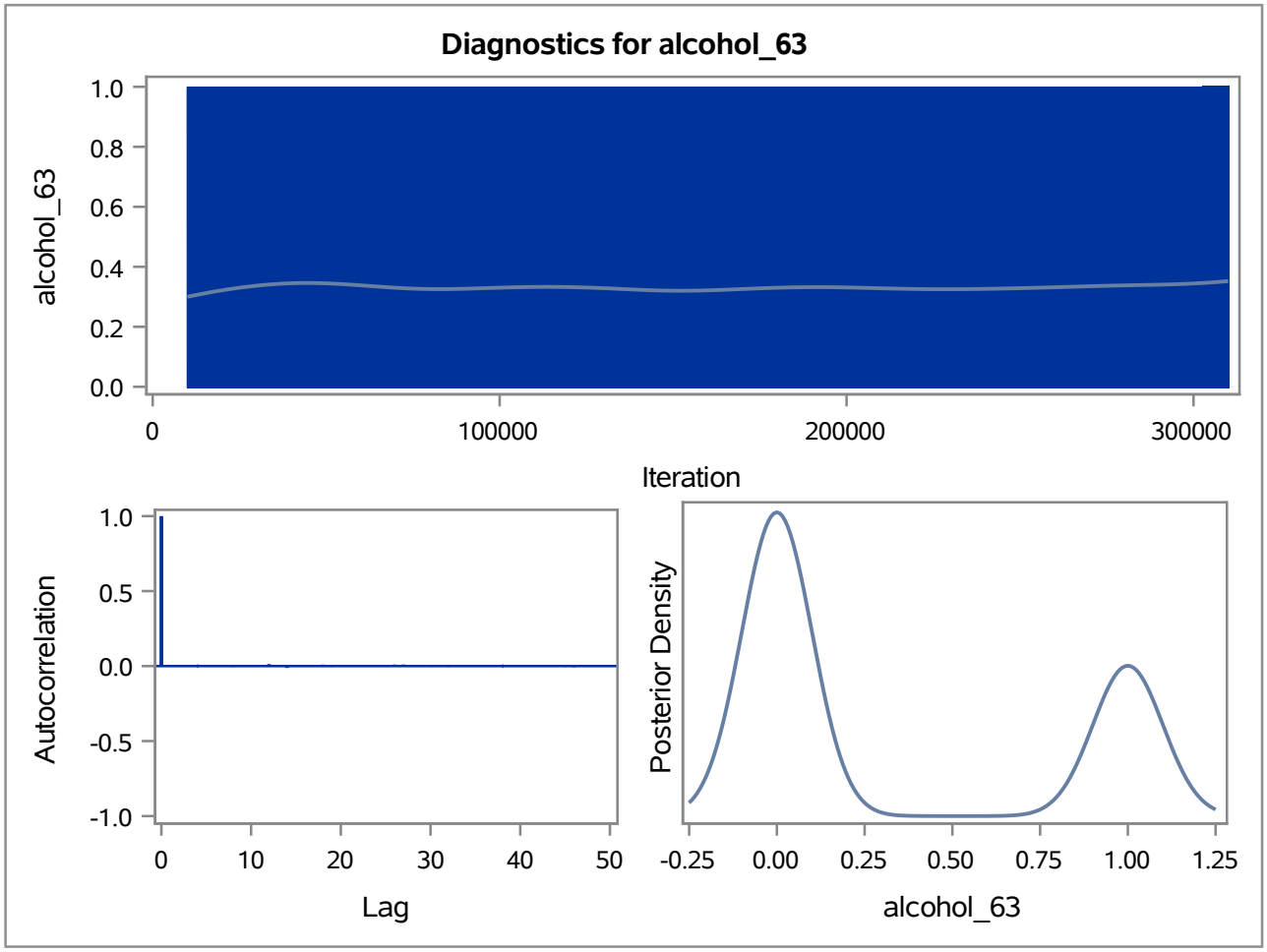
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



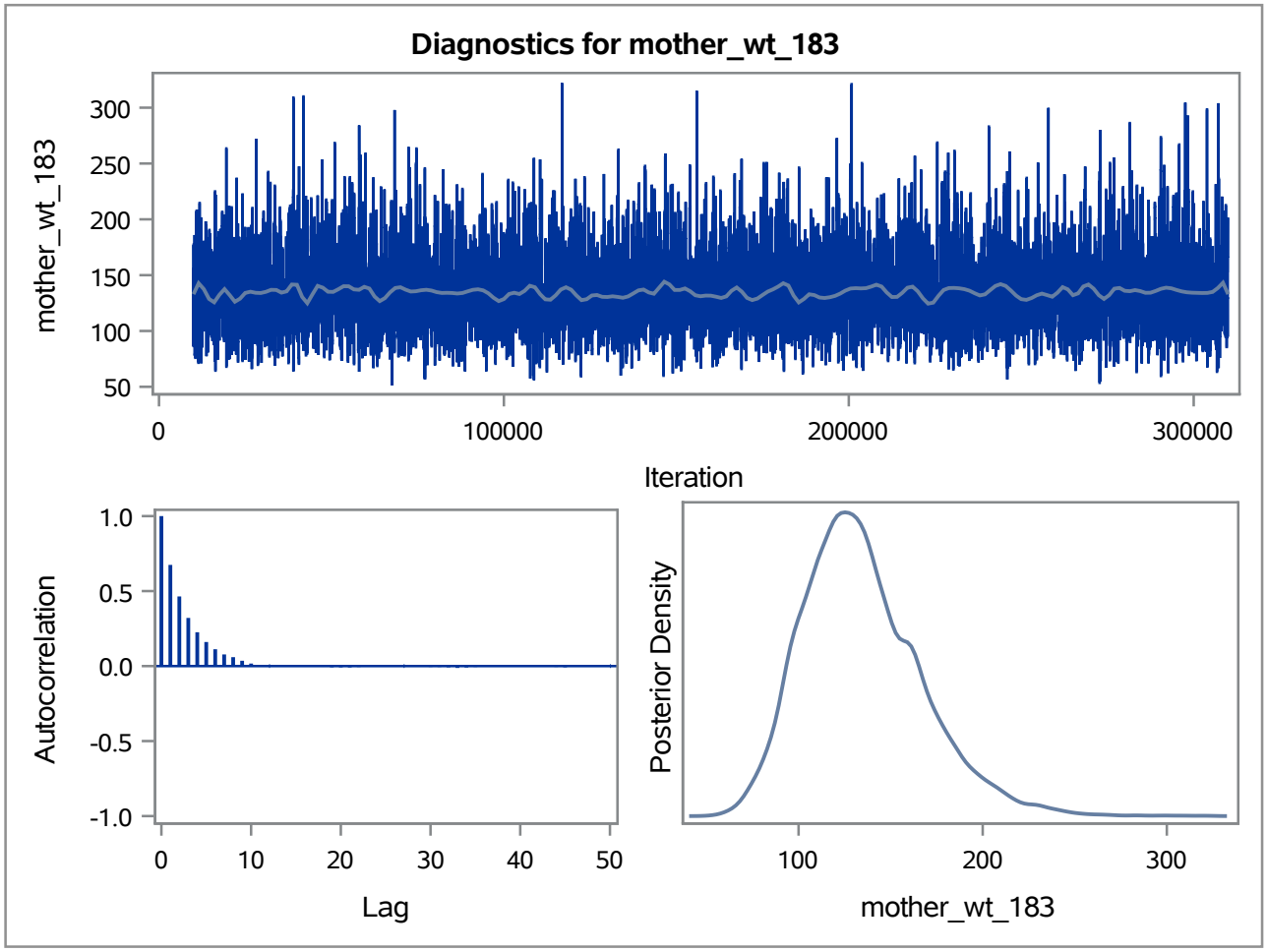
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



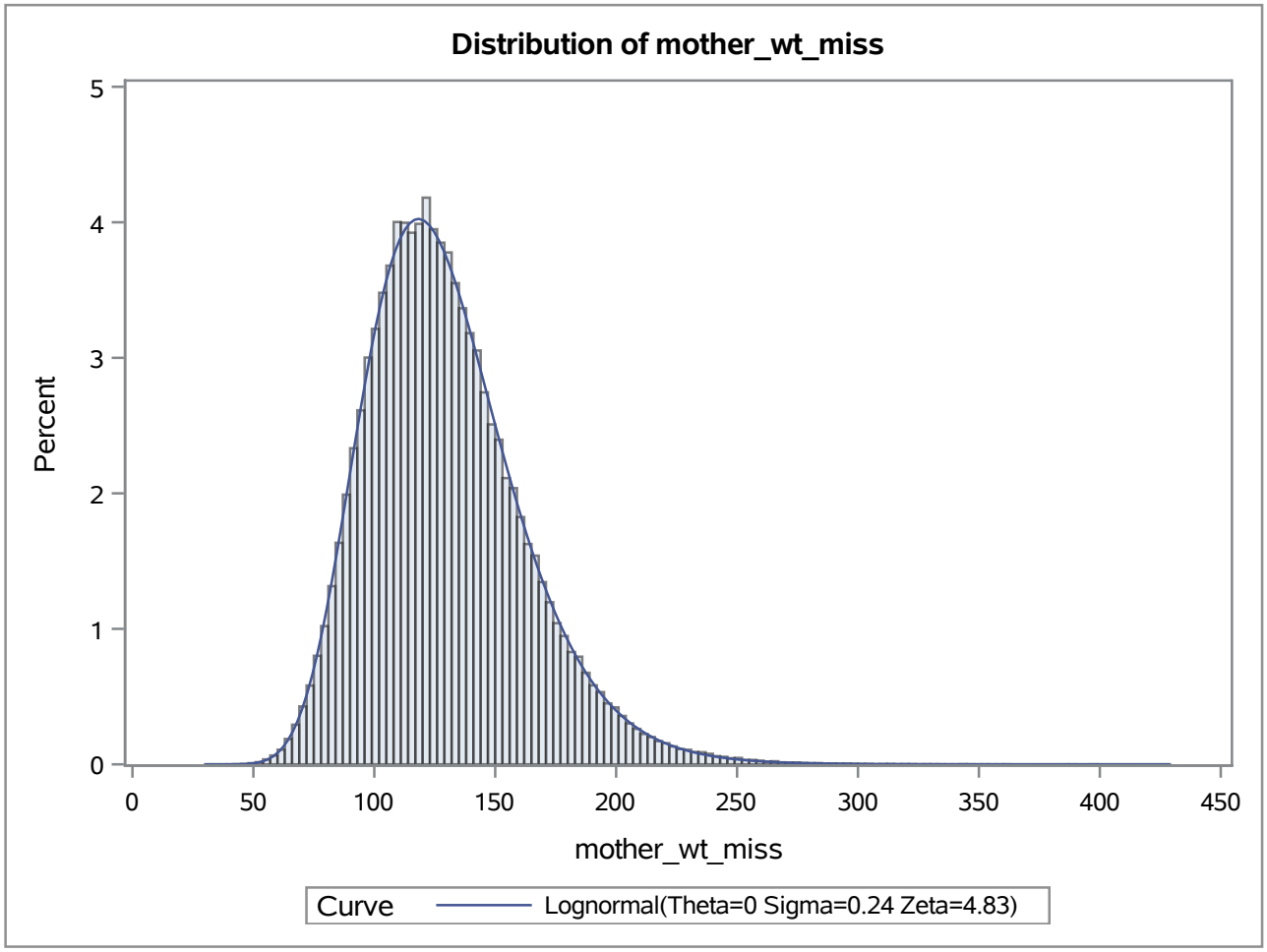
Bayesian Analysis of Low Birth Weight Data

The MCMC Procedure



Bayesian Analysis of Low Birth Weight Data

The UNIVARIATE Procedure



Bayesian Analysis of Low Birth Weight Data

The UNIVARIATE Procedure