The MCMC Procedure

Number of Observations Read	415
Number of Observations Used	415

Parameters				
Block	Parameter	Sampling Method	Initial Value	Prior Distribution
1	betaint	N-Metropolis	0	normal(mean = 0, var = 1000)
2	betaharddrug	N-Metropolis	0	normal(mean = 0, var = 1000)
3	betabase	N-Metropolis	0	normal(mean = 0, var = 1000)
4	betahash	N-Metropolis	0	normal(mean = 0, var = 1000)
5	betabmi	N-Metropolis	0	normal(mean = 0, var = 1000)
6	betasmoke	N-Metropolis	0	normal(mean = 0, var = 1000)
7	betadrink	N-Metropolis	0	normal(mean = 0, var = 1000)
8	betarace	N-Metropolis	0	normal(mean = 0, var = 1000)
9	betaeduc	N-Metropolis	0	normal(mean = 0, var = 1000)
10	betaage	N-Metropolis	0	normal(mean = 0, var = 1000)
11	betaadh	N-Metropolis	0	normal(mean = 0, var = 1000)
12	betaincomemid	N-Metropolis	0	normal(mean = 0, var = 1000)
	betaincomehigh		0	normal(mean = 0, var = 1000)
13	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)

The MCMC Procedure

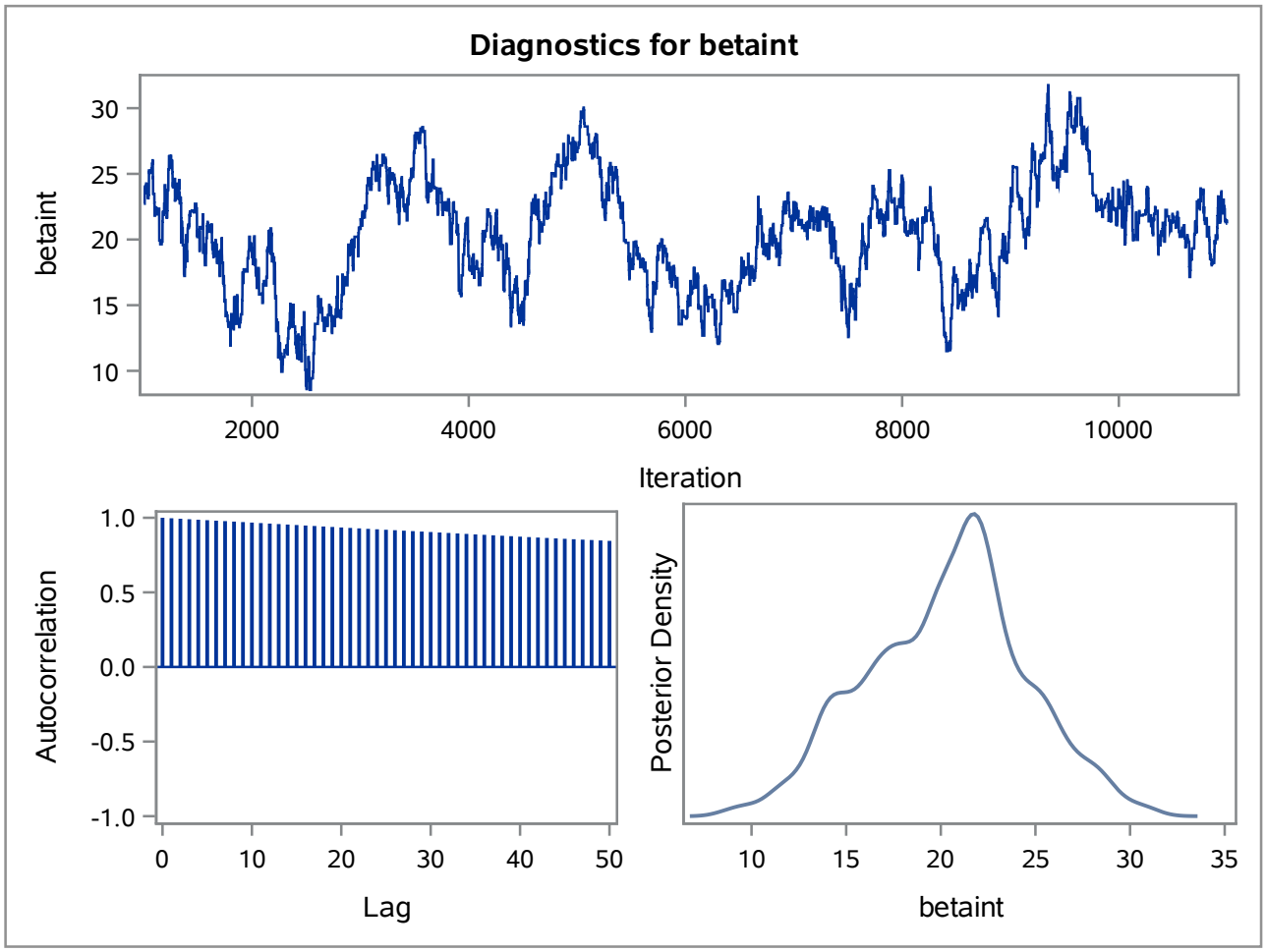
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	10000	20.2875	4.1749	12.6798	28.6405
betaharddrug	10000	-1.0003	1.8541	-4.4097	2.6527
betabase	10000	-0.5369	0.0349	-0.6071	-0.4695
betahash	10000	1.2674	1.0086	-0.7078	3.1598
betabmi	10000	0.0483	0.1197	-0.1740	0.2673
betasmoke	10000	1.3624	1.1095	-0.9274	3.3919
betadrink	10000	-0.2923	1.7563	-3.8429	3.0138
betarace	10000	0.1922	1.1968	-2.3633	2.3180
betaeduc	10000	1.6567	1.4494	-0.9066	4.6183
betaage	10000	0.0598	0.0565	-0.0452	0.1739
betaadh	10000	-3.0360	1.6649	-6.1004	0.3397
betaincomemid	10000	0.3032	1.5046	-2.4201	3.2777
betaincomehigh	10000	1.5584	1.7512	-1.9803	4.7160
sigma2	10000	97.9482	6.9741	85.1557	112.5

The MCMC Procedure

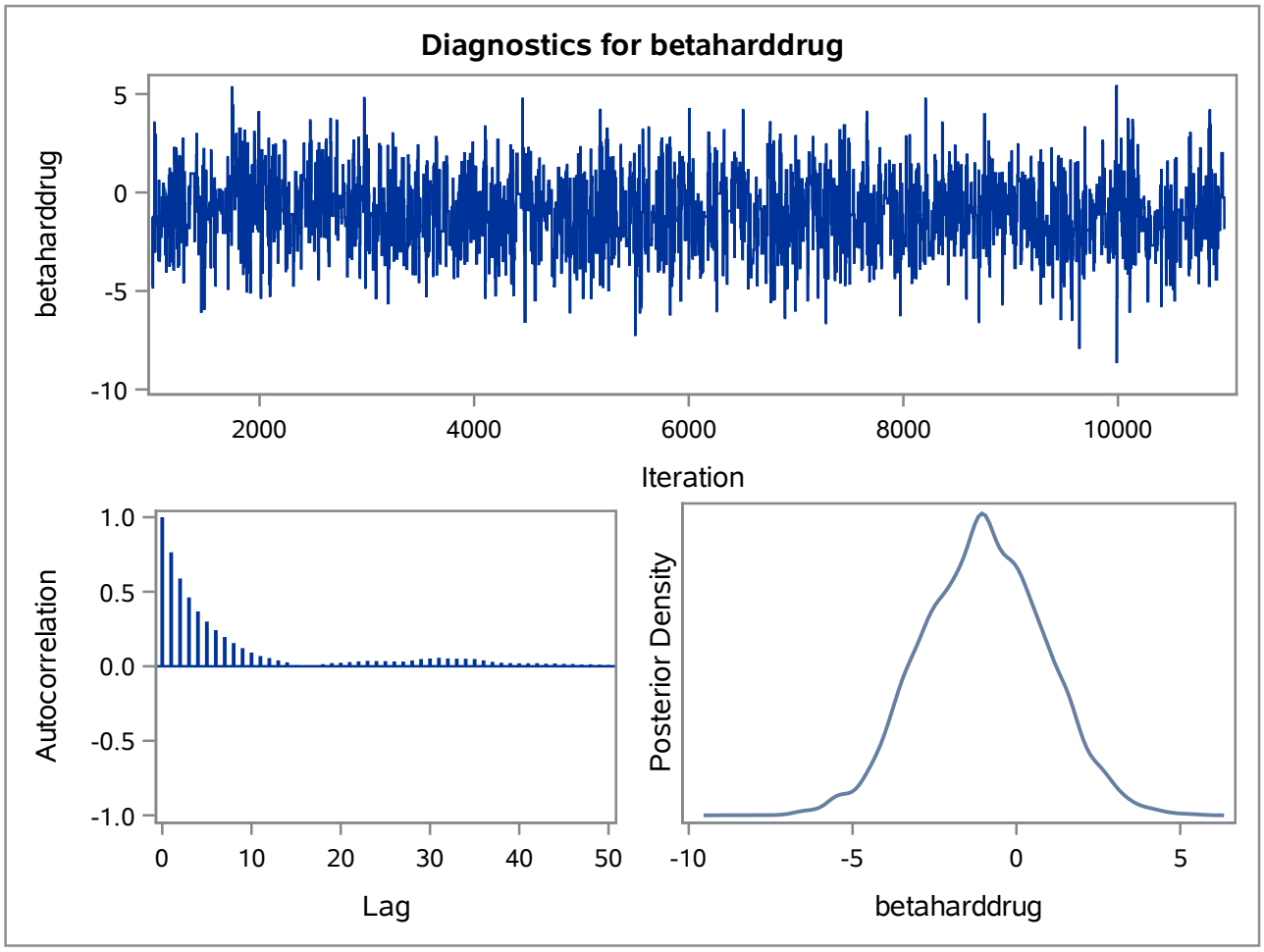
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	19.3	518.0	0.0019
betaharddrug	1255.6	7.9645	0.1256
betabase	54.0	185.0	0.0054
betahash	1007.6	9.9245	0.1008
betabmi	22.3	449.0	0.0022
betasmoke	145.4	68.7592	0.0145
betadrink	1598.5	6.2557	0.1599
betarace	262.3	38.1205	0.0262
betaeduc	178.8	55.9357	0.0179
betaage	47.8	209.0	0.0048
betaadh	1494.2	6.6927	0.1494
betaincomemid	92.2	108.4	0.0092
betaincomehigh	84.3	118.7	0.0084
sigma2	8841.5	1.1310	0.8842

Deviance Information Criterion	
Dbar (posterior mean of deviance)	3083.438
Dmean (deviance evaluated at posterior mean)	3069.764
pD (effective number of parameters)	13.674
DIC (smaller is better)	3097.113

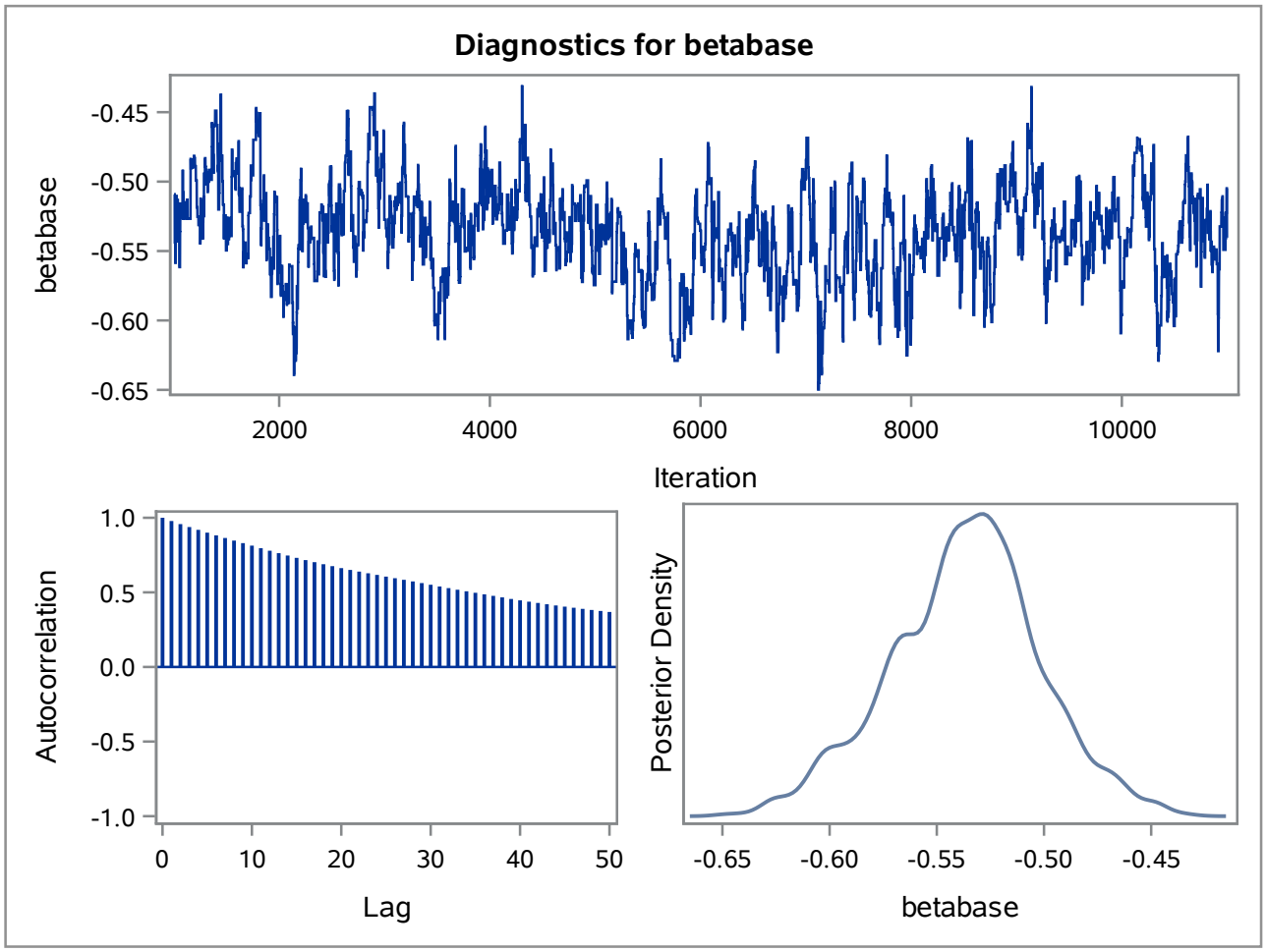
The MCMC Procedure



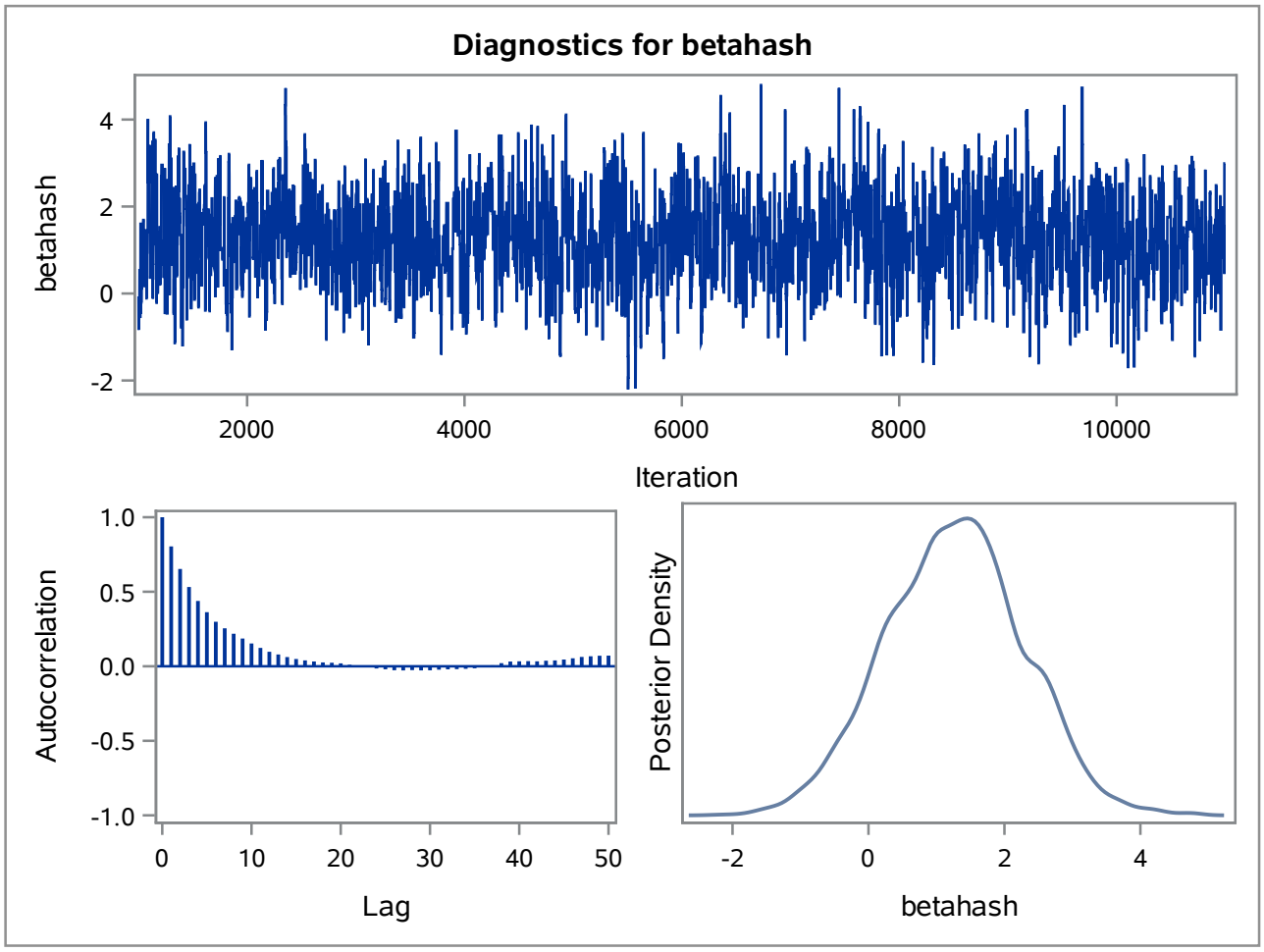
The MCMC Procedure



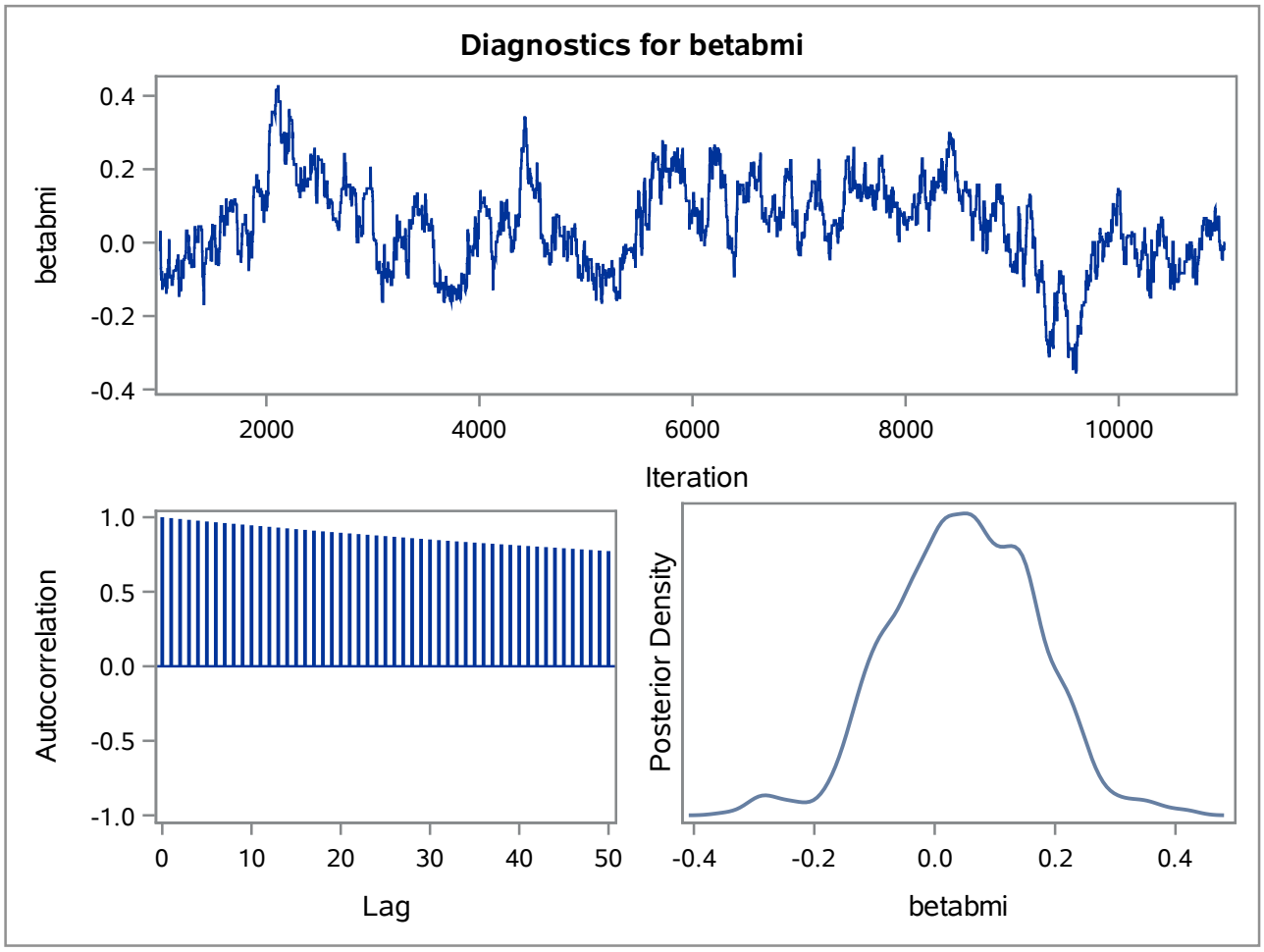
The MCMC Procedure



The MCMC Procedure



The MCMC Procedure



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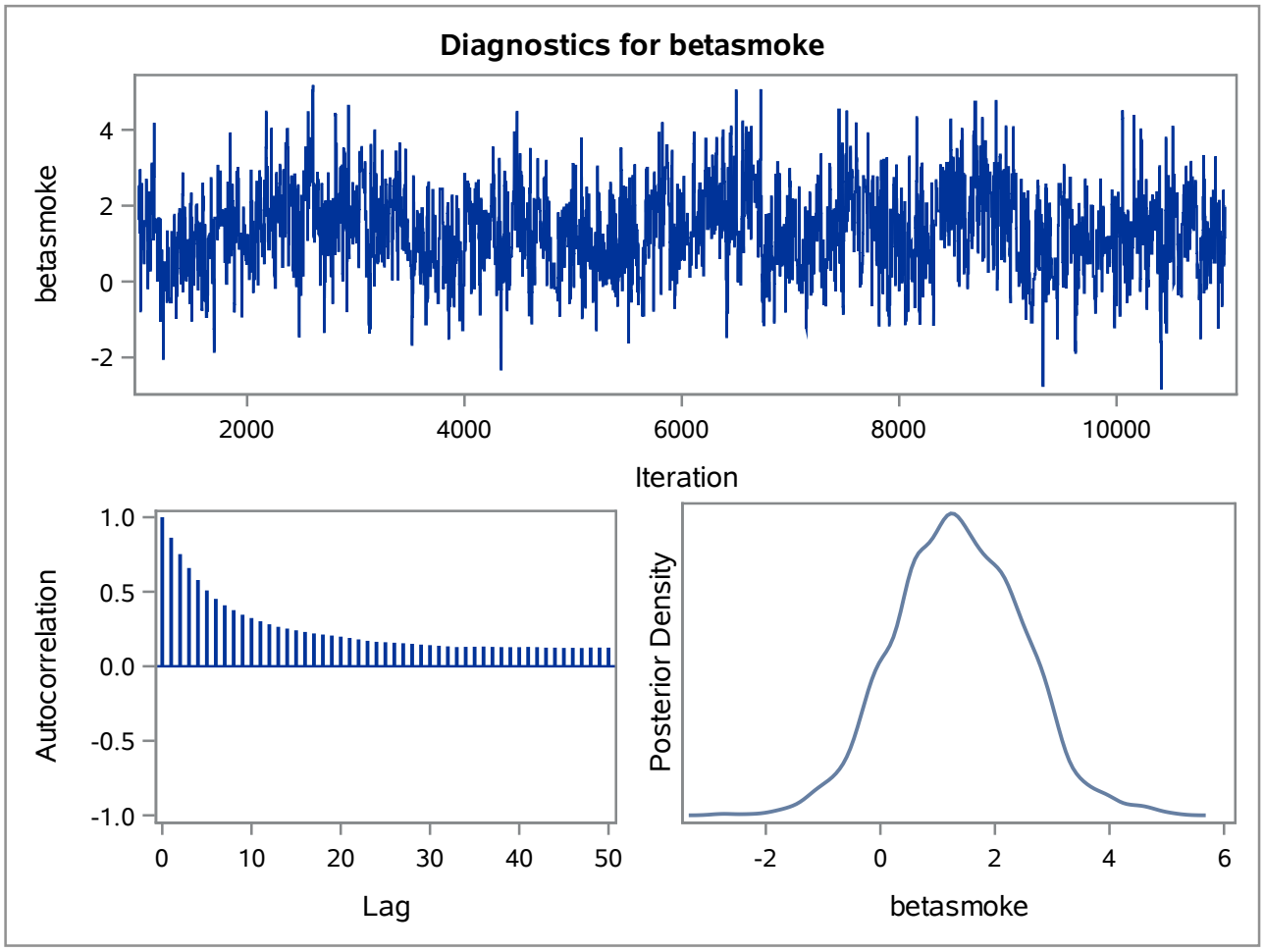
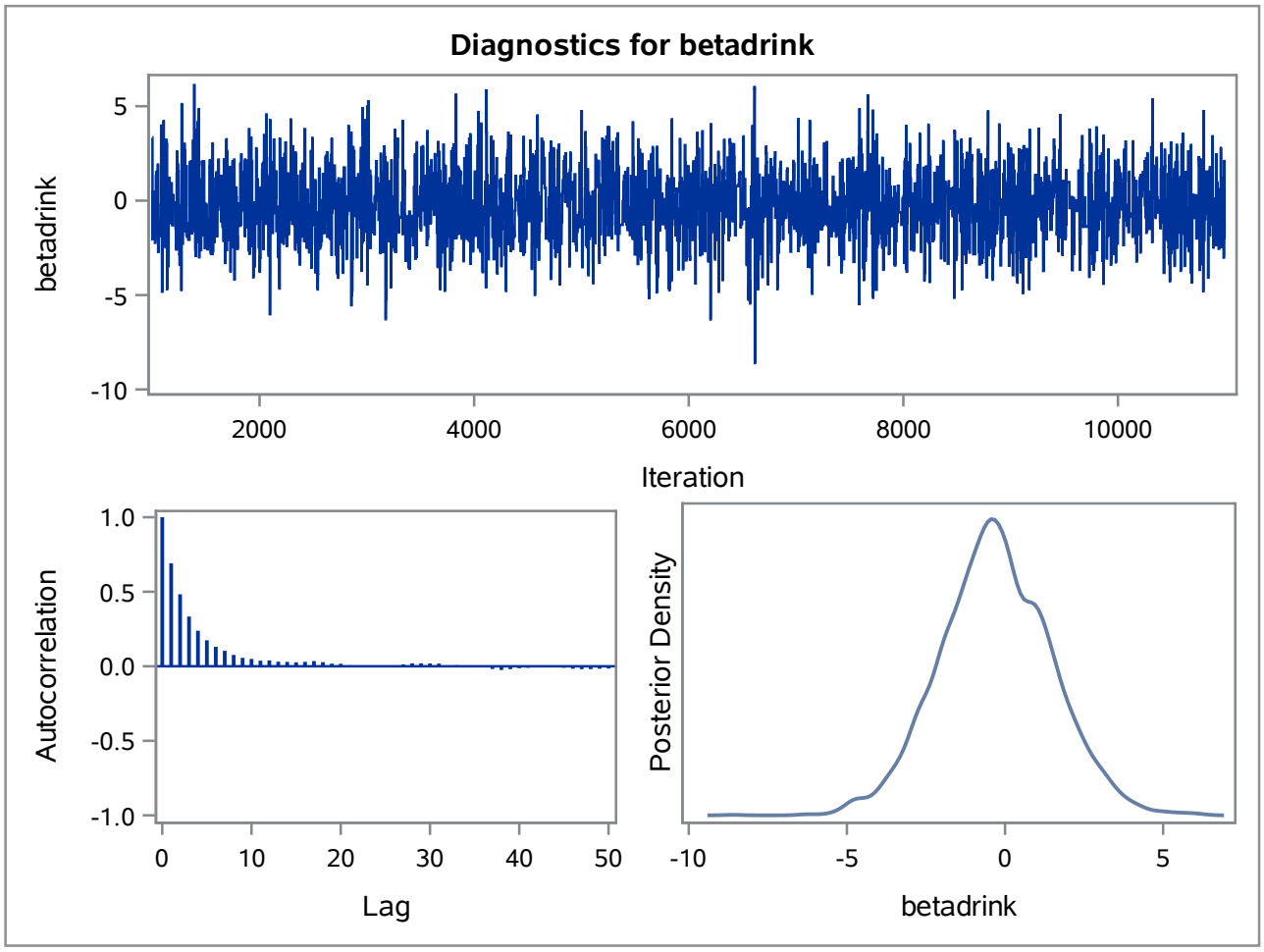


The MCMC Procedure



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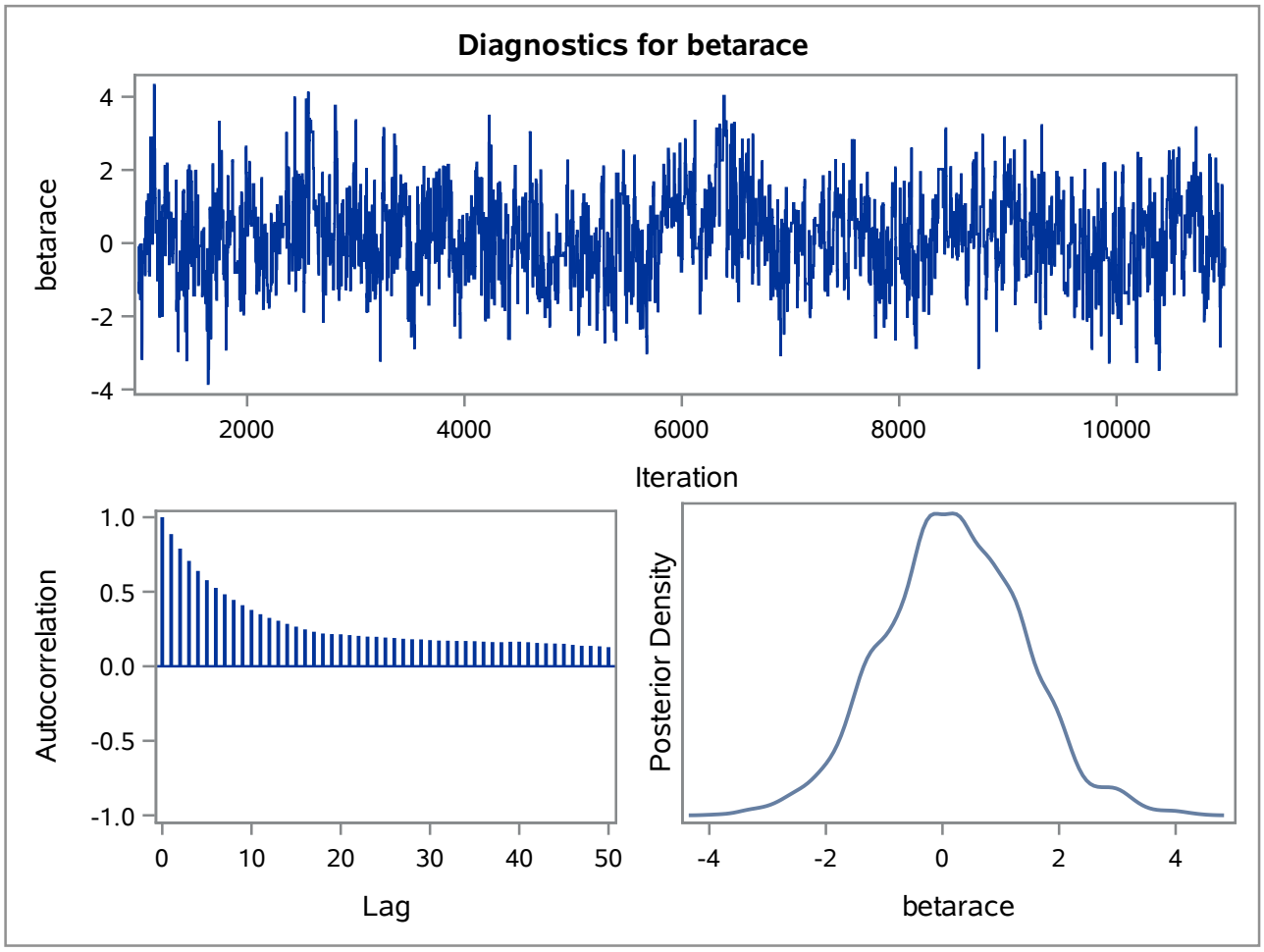
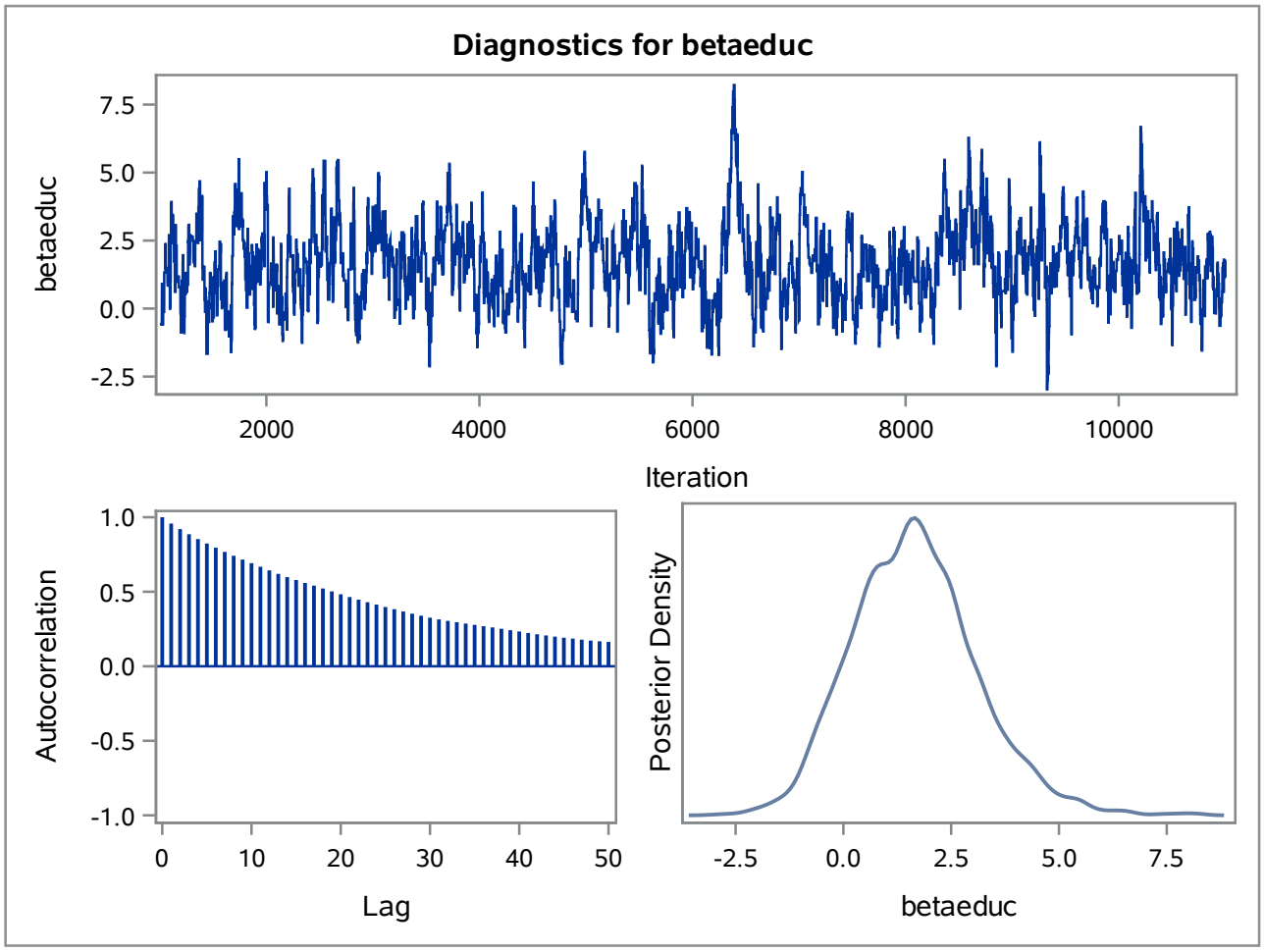
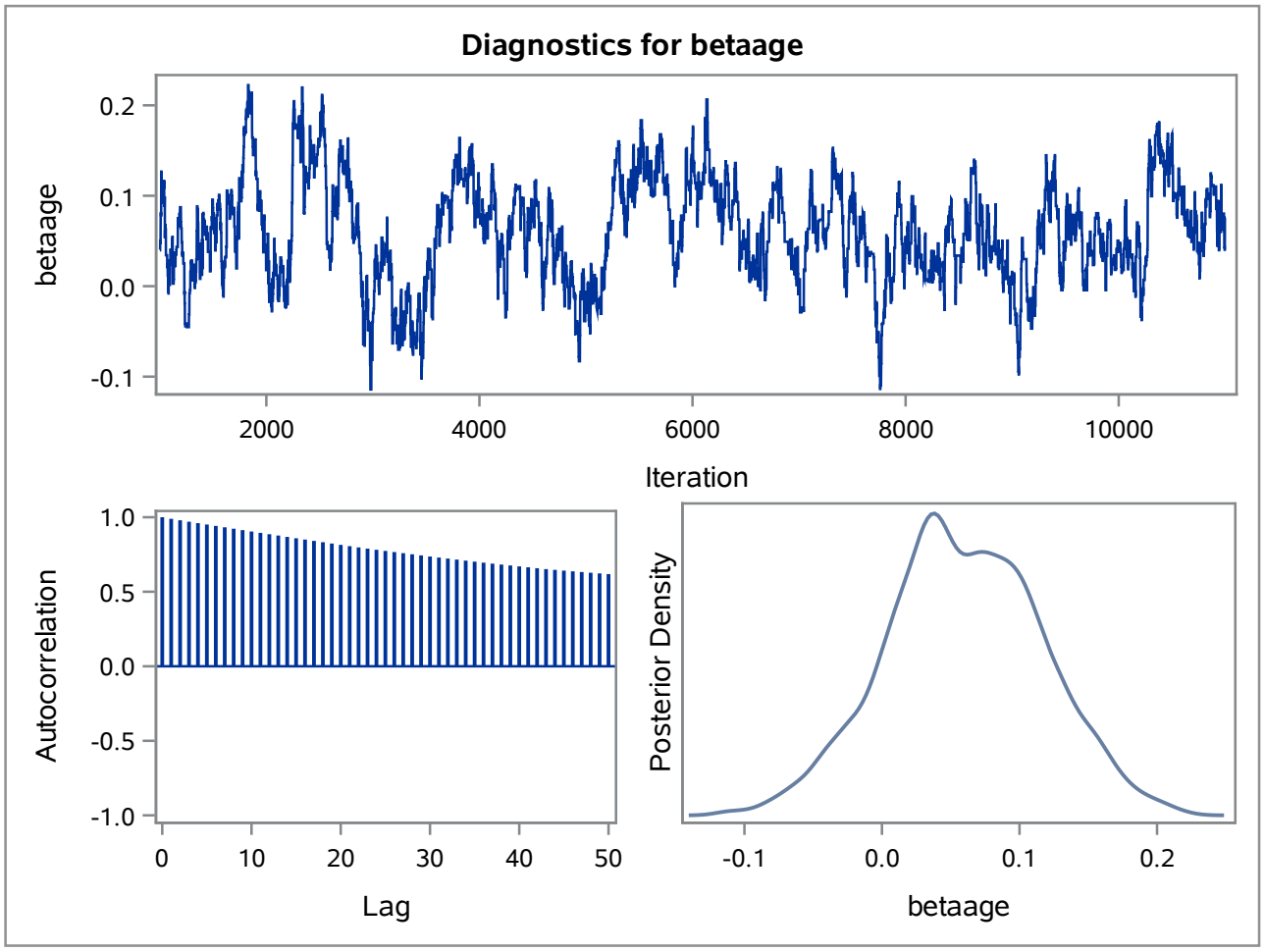


The MCMC Procedure



The MCMC Procedure



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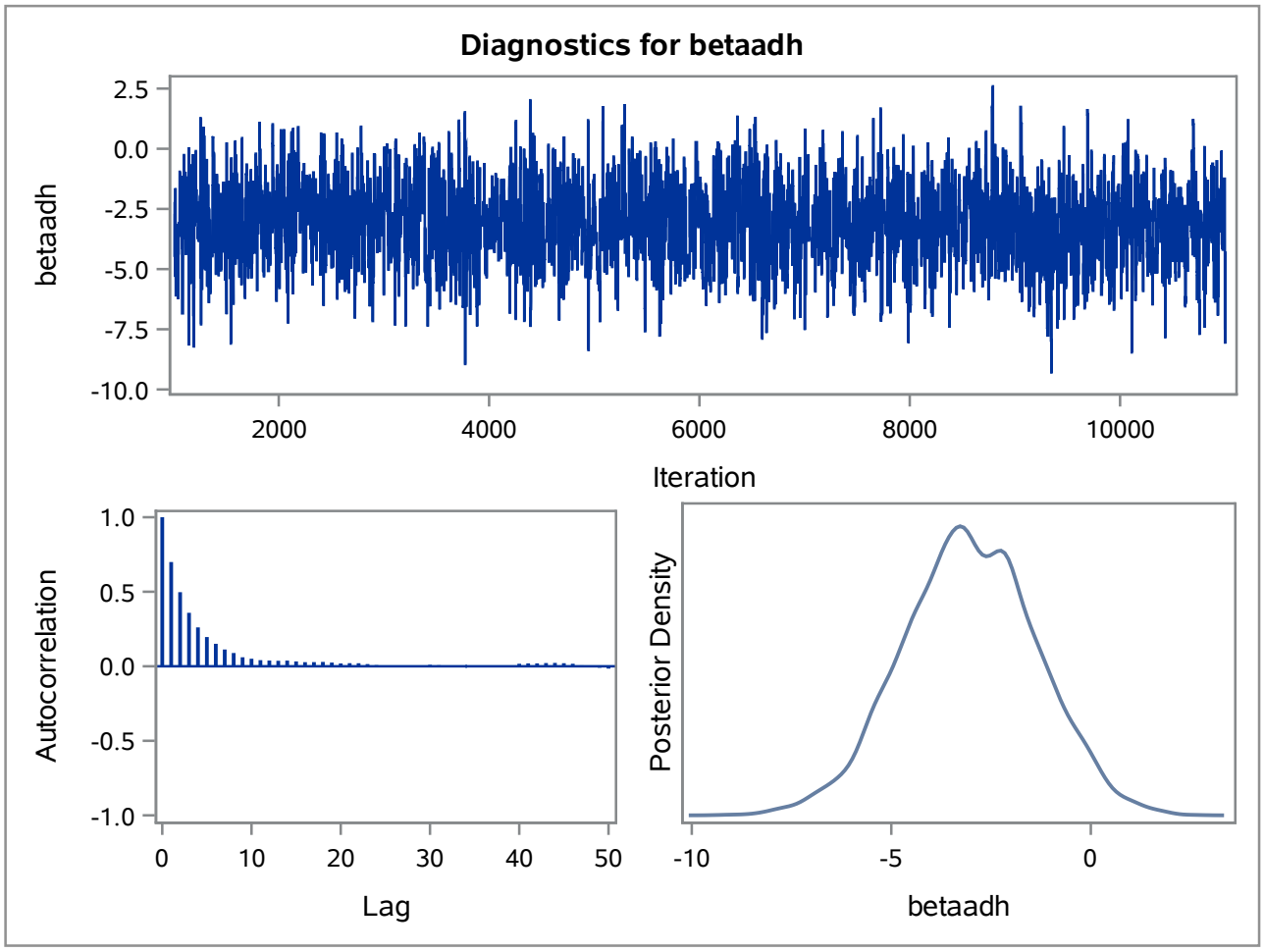
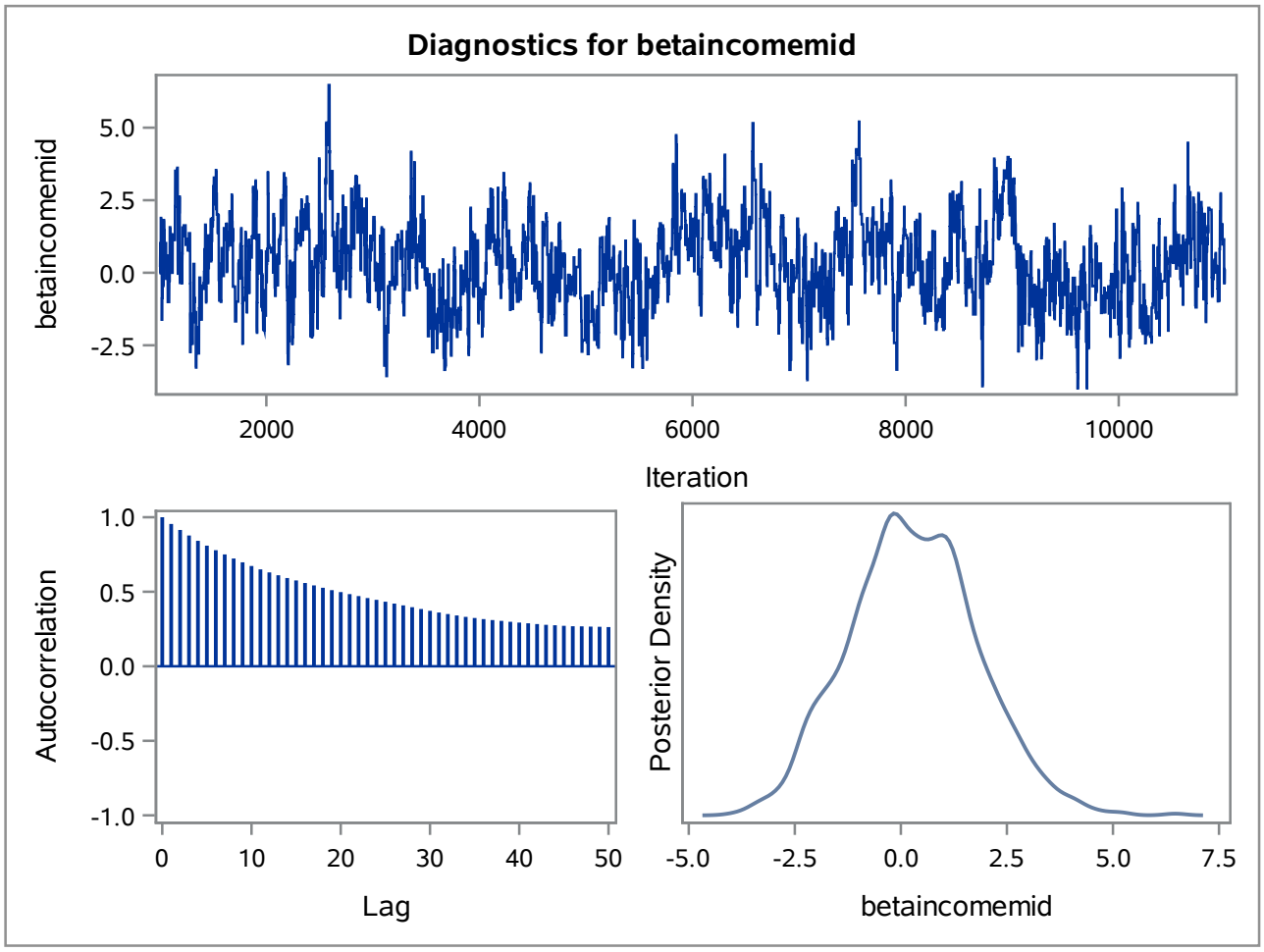
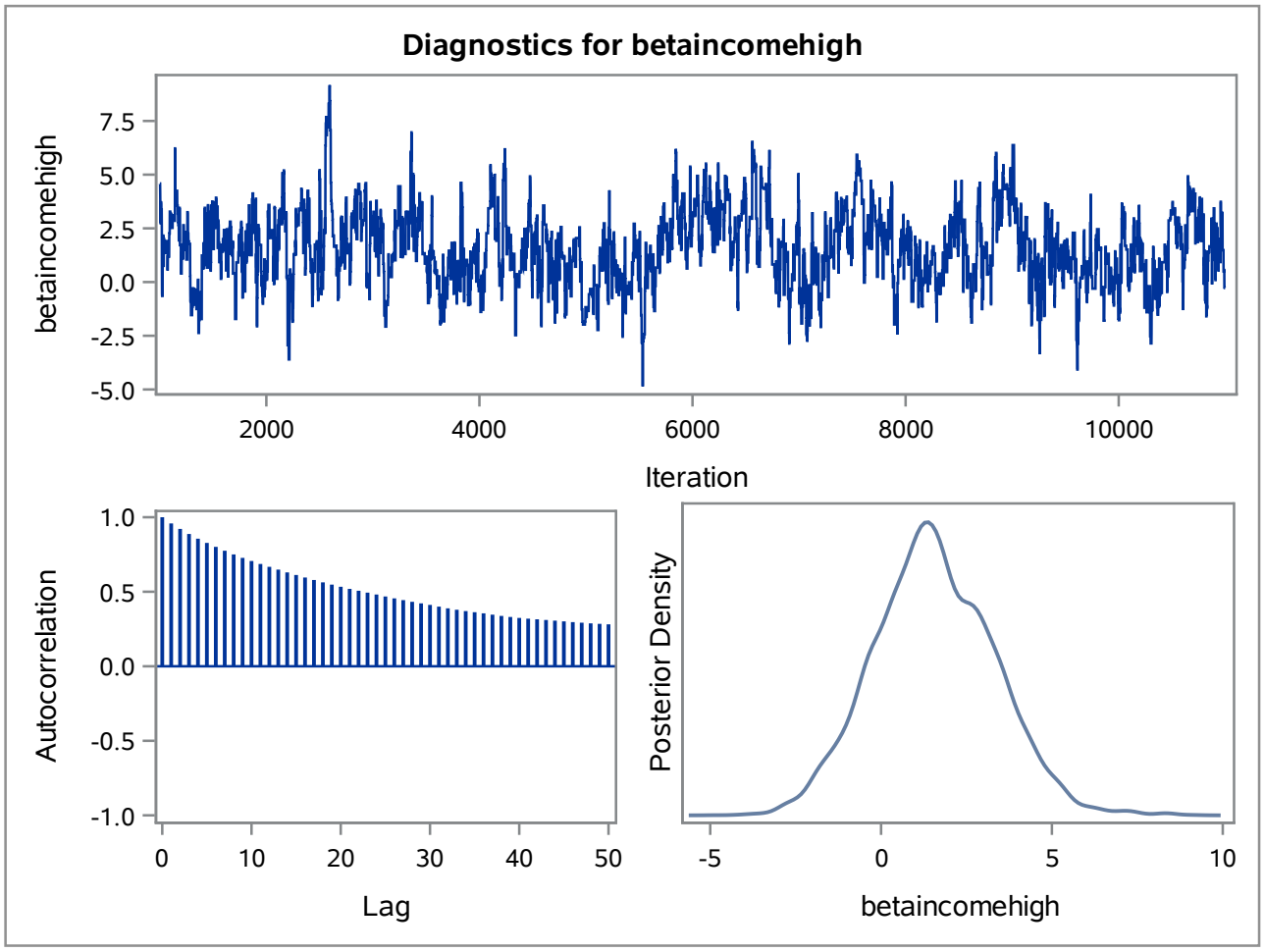


The MCMC Procedure



The MCMC Procedure



The MCMC Procedure