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	**sigma2**	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)

The MCMC Procedure

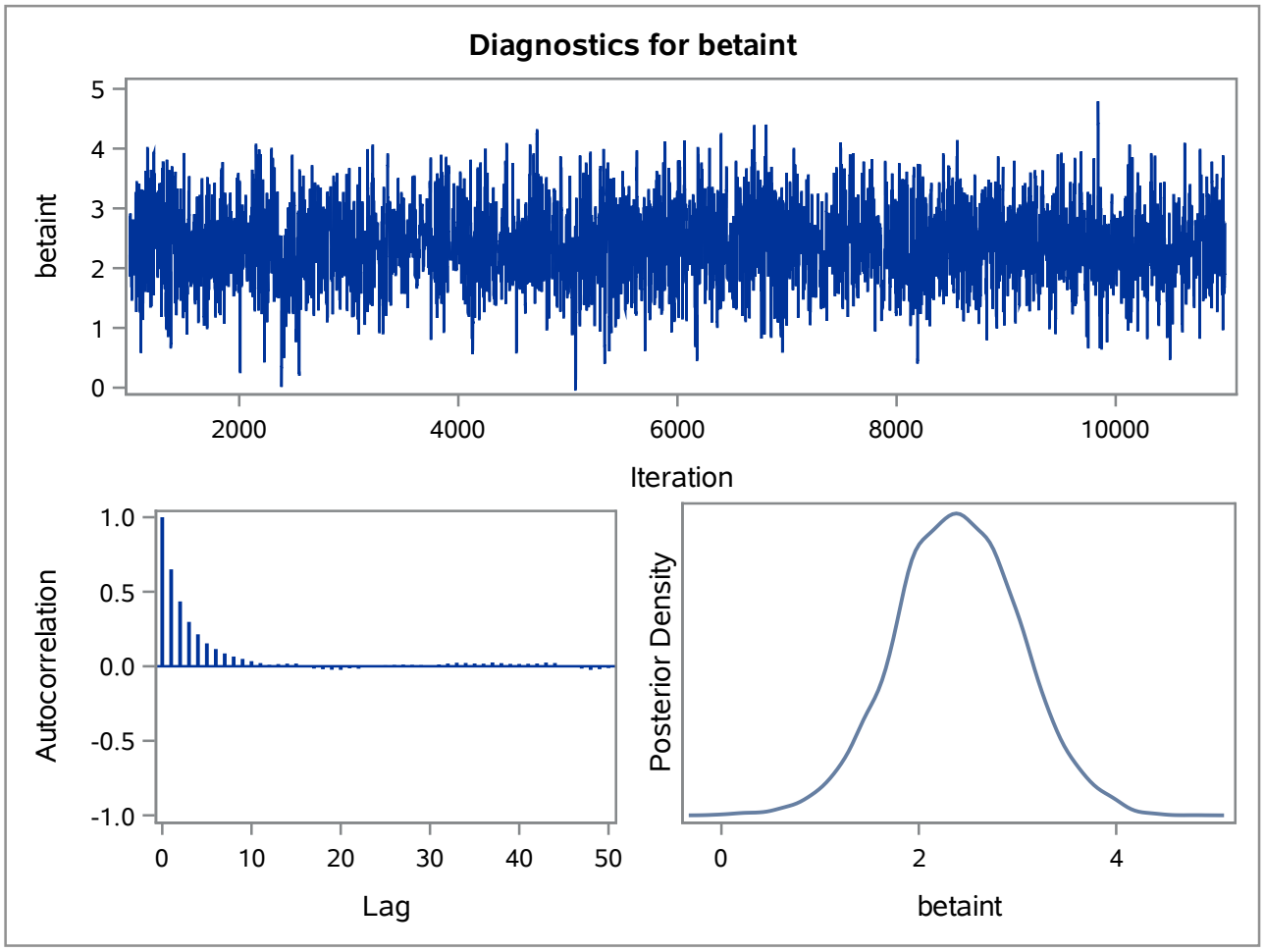
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	10000	2.3953	0.6286	1.1594	3.6360
betaharddrug	10000	0.9342	2.2110	-3.2933	5.1357
sigma2	10000	147.7	10.2665	127.5	167.3

The MCMC Procedure

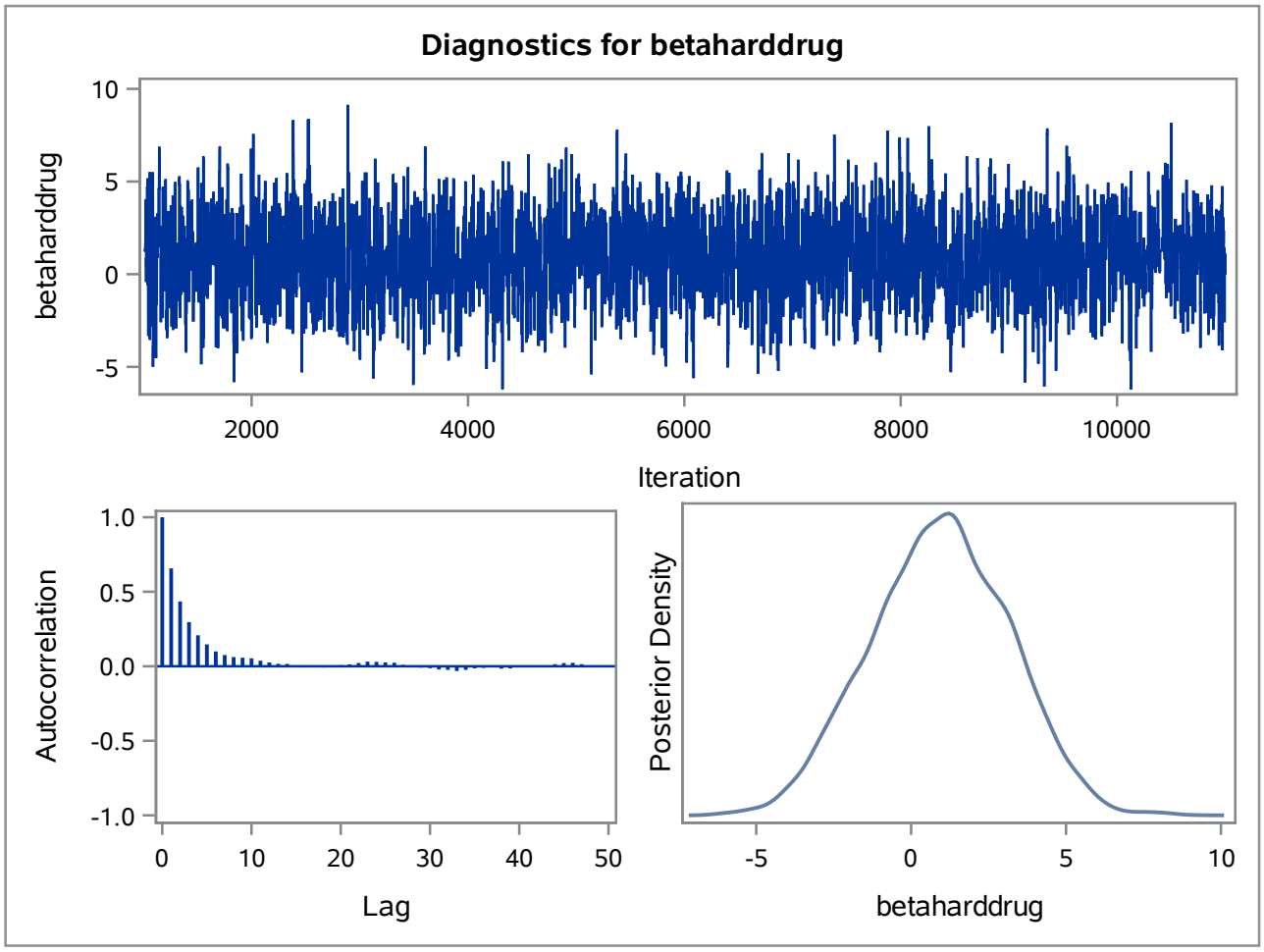
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	1905.7	5.2475	0.1906
betaharddrug	1861.8	5.3711	0.1862
sigma2	9742.1	1.0265	0.9742

Deviance Information Criterion	
Dbar (posterior mean of deviance)	3253.515
Dmean (deviance evaluated at posterior mean)	3250.518
pD (effective number of parameters)	2.998
DIC (smaller is better)	3256.513

The MCMC Procedure



The MCMC Procedure



The MCMC Procedure