The MCMC Procedure

Number of Observations Read	414
Number of Observations Used	414

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

The MCMC Procedure

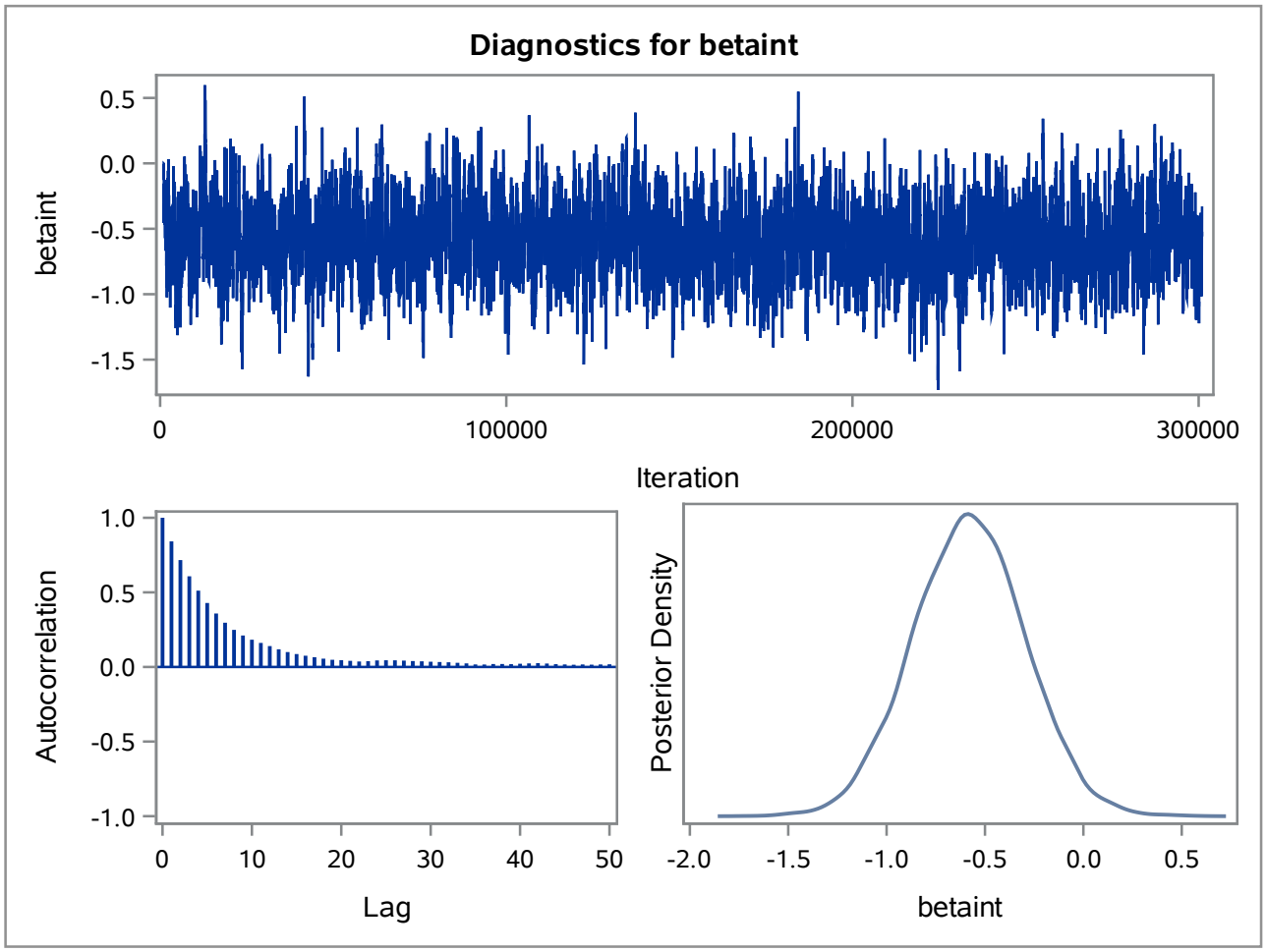
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	15000	-0.5806	0.2849	-1.1426	-0.0405
betaharddrug	15000	0.0804	0.2084	-0.3140	0.5018
betabase	15000	-0.4717	0.0613	-0.5890	-0.3506
sigma2	15000	1.2949	0.0907	1.1232	1.4766

The MCMC Procedure

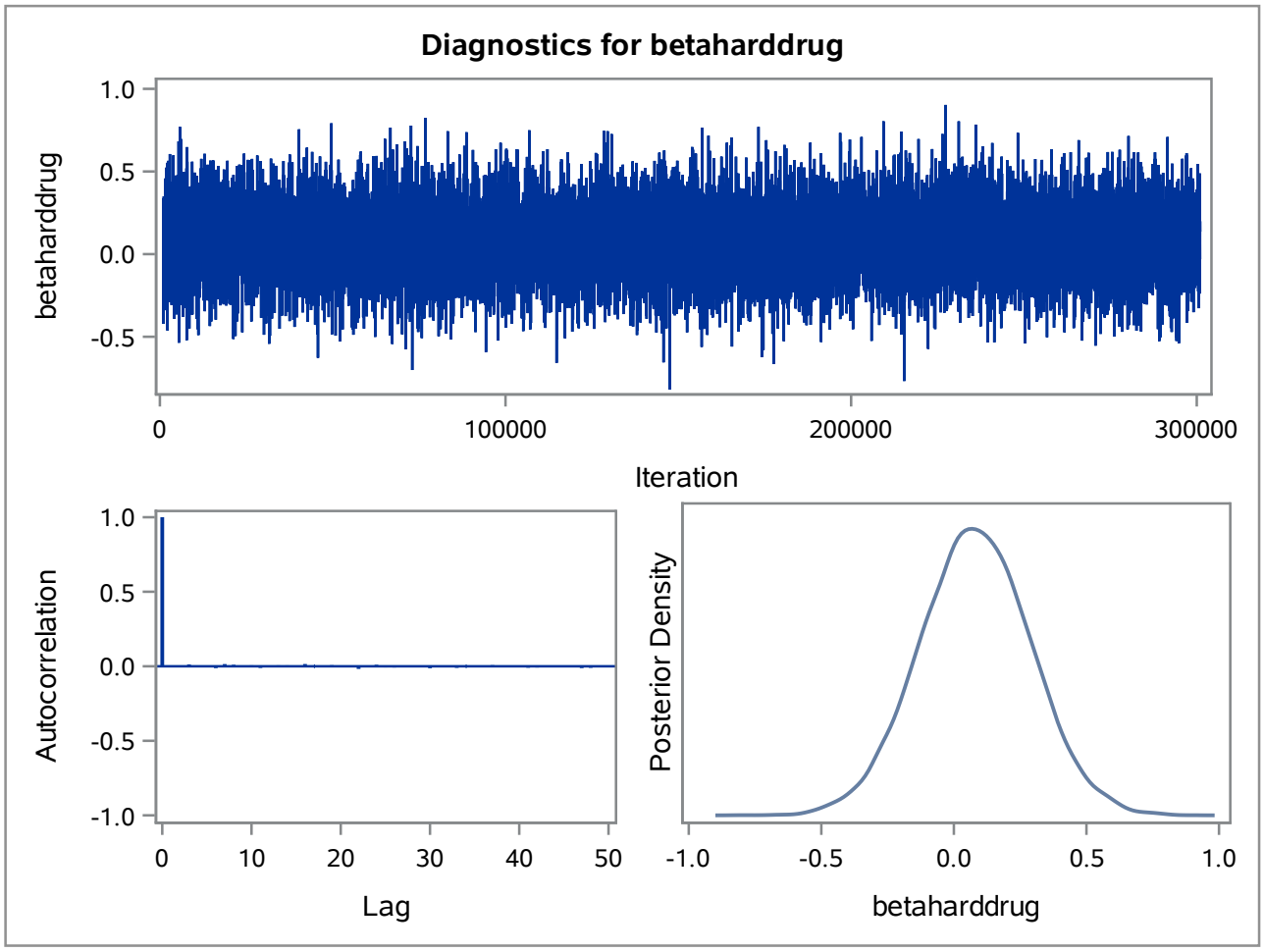
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	1089.8	13.7640	0.0727
betaharddrug	15000.0	1.0000	1.0000
betabase	1082.8	13.8529	0.0722
sigma2	15000.0	1.0000	1.0000

Deviance Information Criterion	
Dbar (posterior mean of deviance)	1283.089
Dmean (deviance evaluated at posterior mean)	1279.031
pD (effective number of parameters)	4.058
DIC (smaller is better)	1287.147

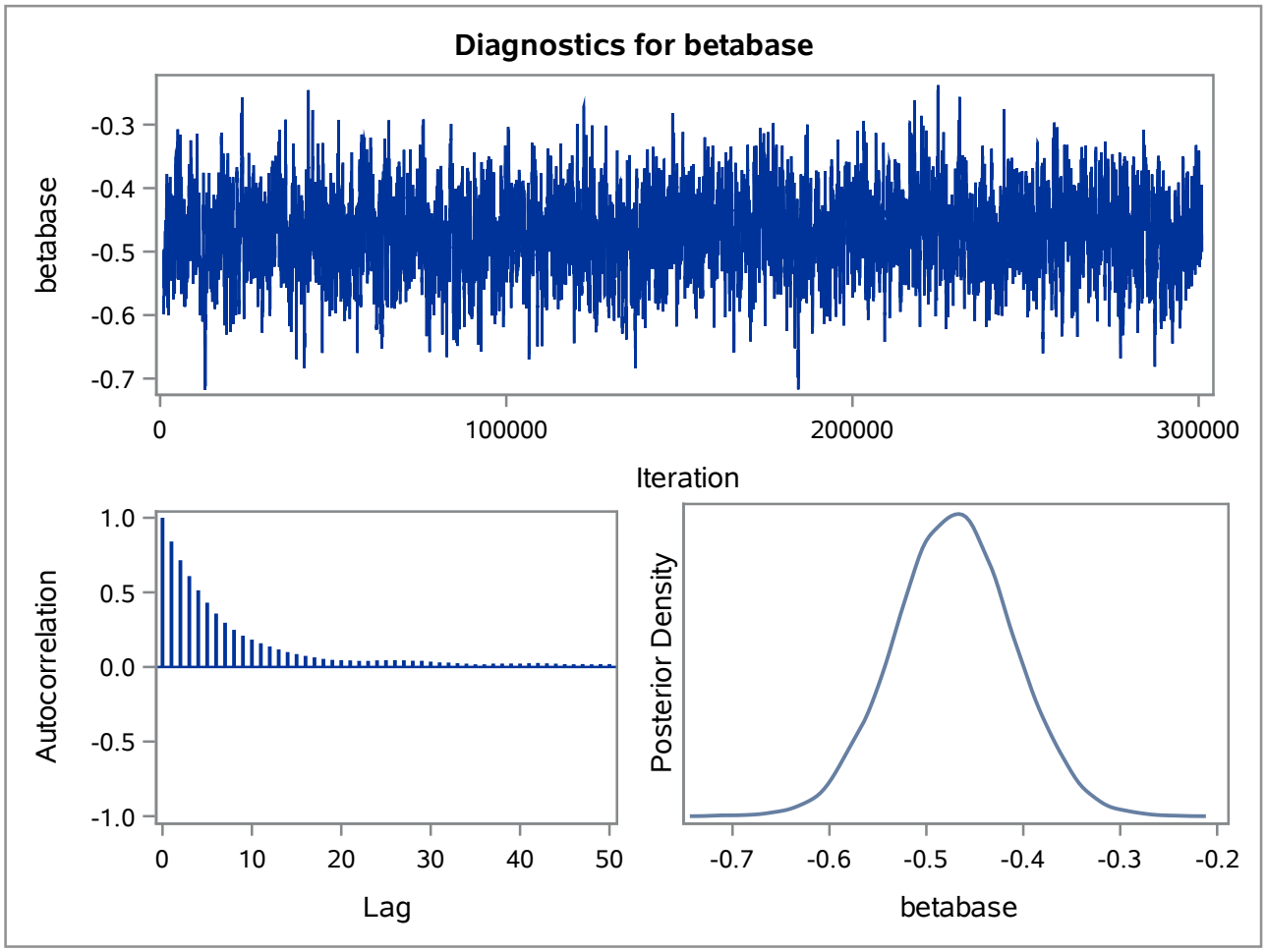
The MCMC Procedure



The MCMC Procedure



The MCMC Procedure



The MCMC Procedure