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

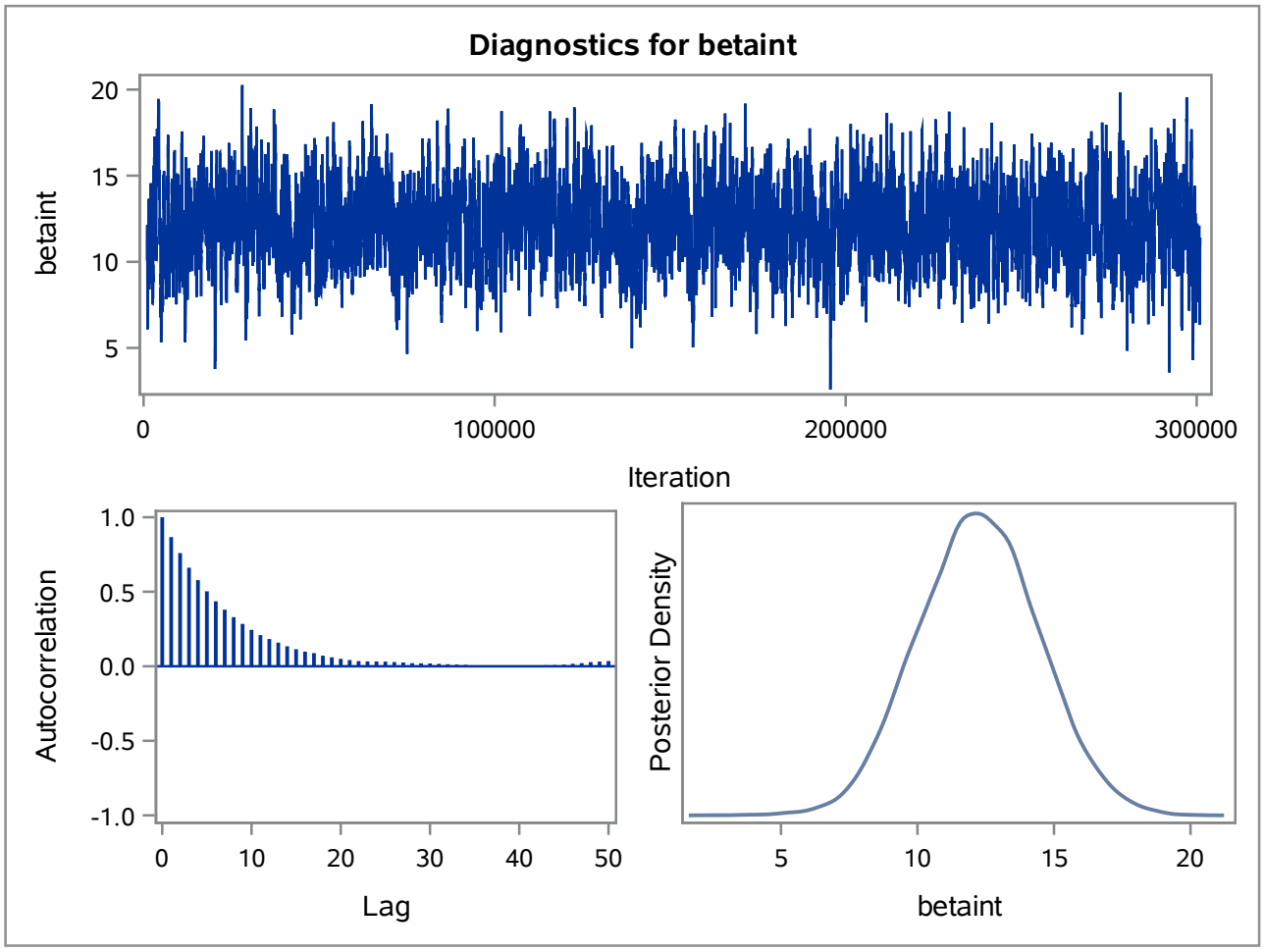
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	15000	12.2435	2.2027	8.1797	16.7276
betaharddrug	15000	-4.2721	1.4529	-7.1153	-1.4371
betabase	15000	-0.2659	0.0422	-0.3487	-0.1859
sigma2	15000	61.1386	4.2482	52.8881	69.2756

The MCMC Procedure

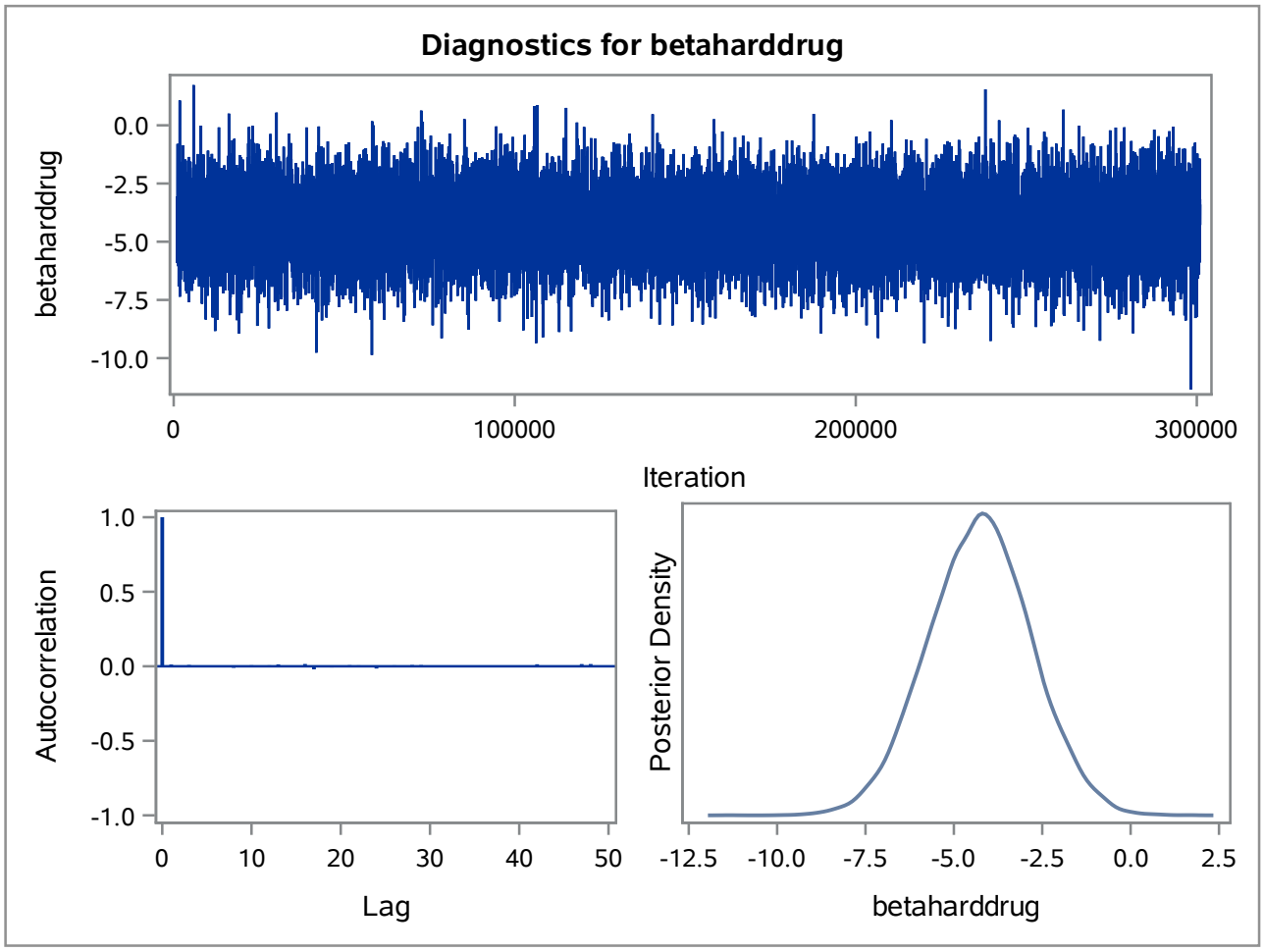
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	1065.6	14.0762	0.0710
betaharddrug	14654.1	1.0236	0.9769
betabase	1075.0	13.9530	0.0717
sigma2	15000.0	1.0000	1.0000

Deviance Information Criterion	
Dbar (posterior mean of deviance)	2880.580
Dmean (deviance evaluated at posterior mean)	2876.683
pD (effective number of parameters)	3.897
DIC (smaller is better)	2884.476

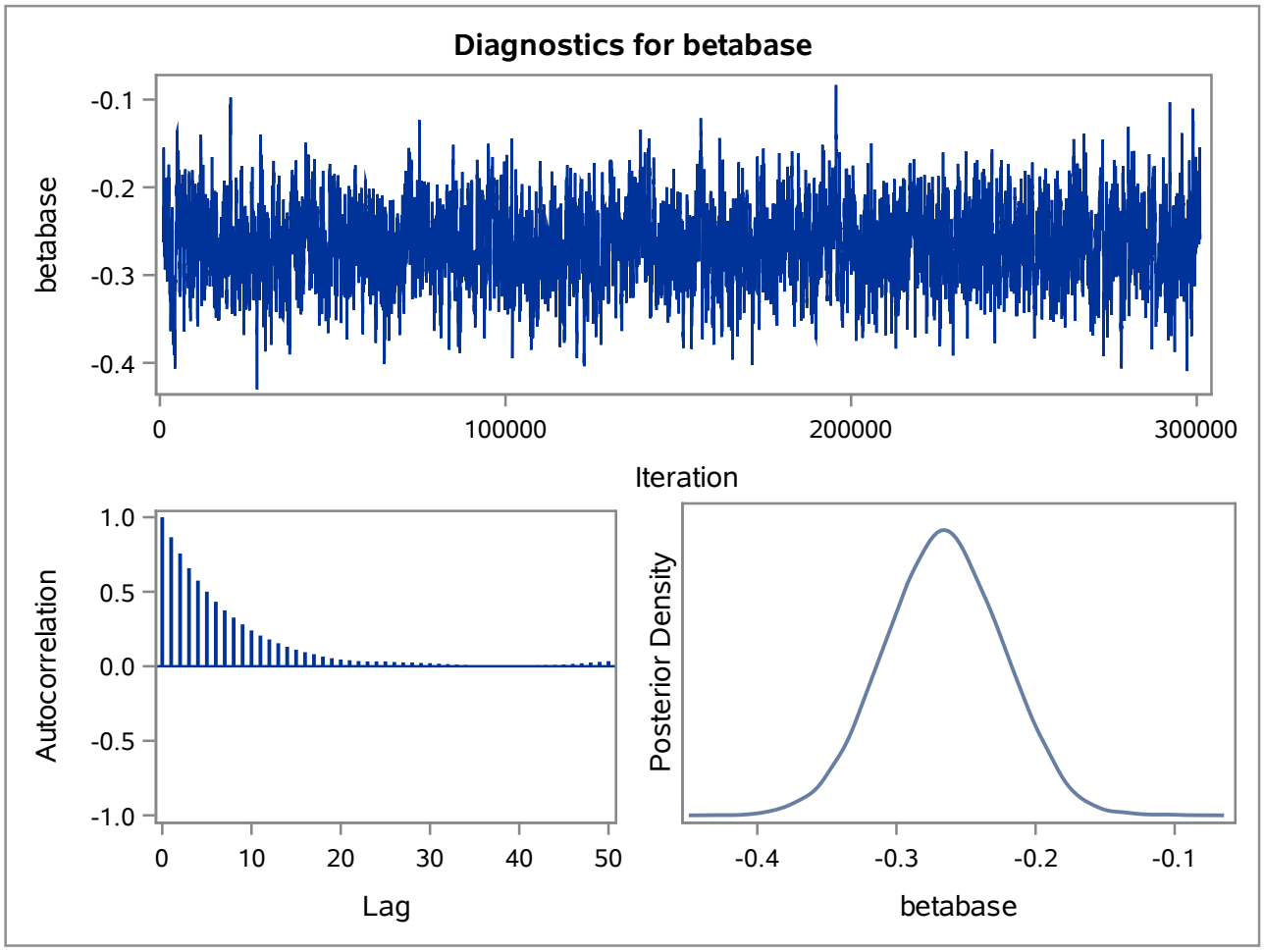
The MCMC Procedure



The MCMC Procedure



The MCMC Procedure



The MCMC Procedure