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 = 100000)
2	**betaharddrug**	N-Metropolis	0	normal(mean = 0, var = 100000)
3	**betabase**	N-Metropolis	0	normal(mean = 0, var = 100000)
4	**sigma2**	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)

The MCMC Procedure

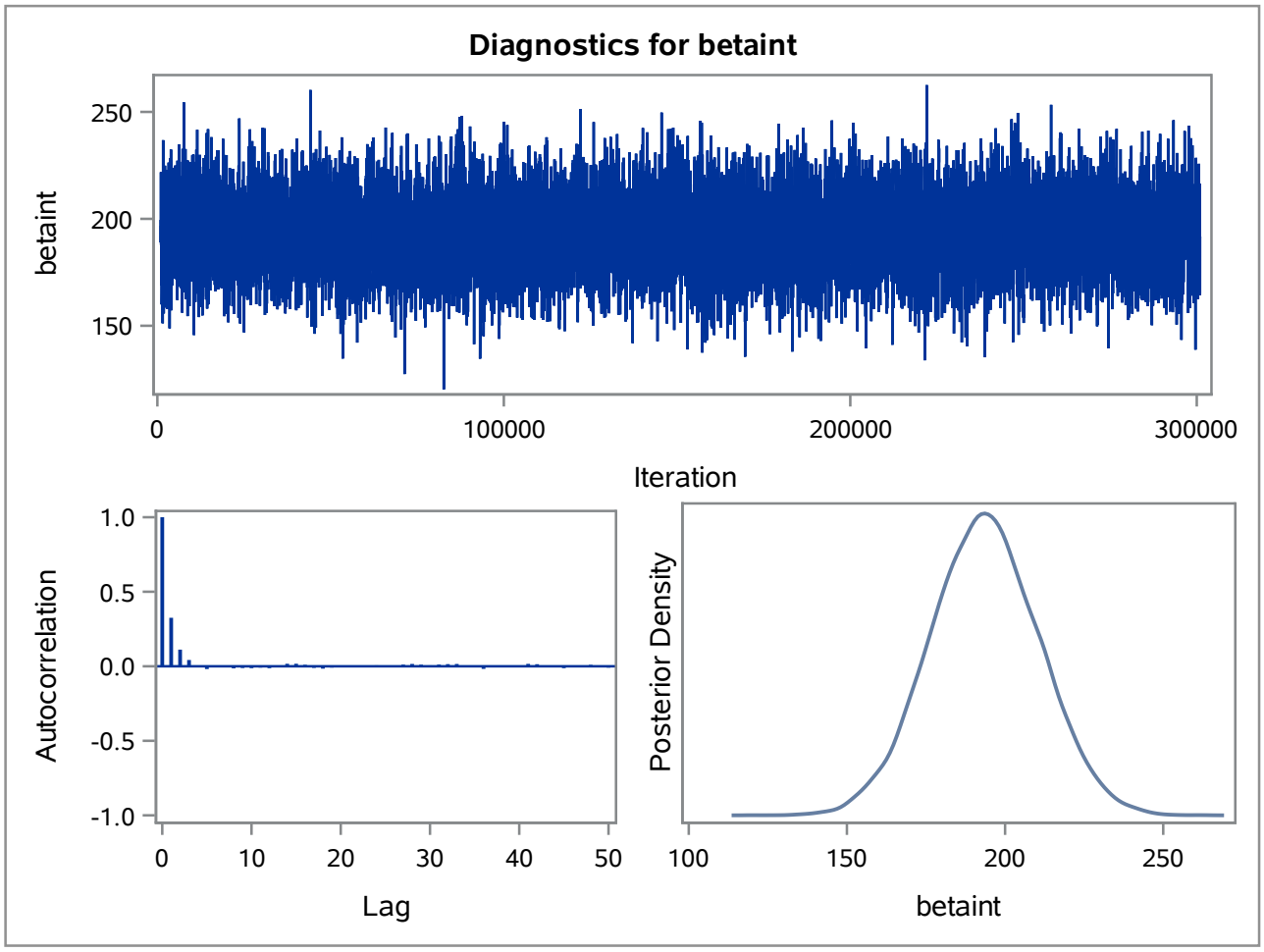
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	15000	193.6	17.0852	159.4	226.6
betaharddrug	15000	-194.4	30.4340	-256.0	-136.4
betabase	15000	-0.0327	0.0407	-0.1130	0.0463
sigma2	15000	27110.5	1900.2	23552.0	30952.7

The MCMC Procedure

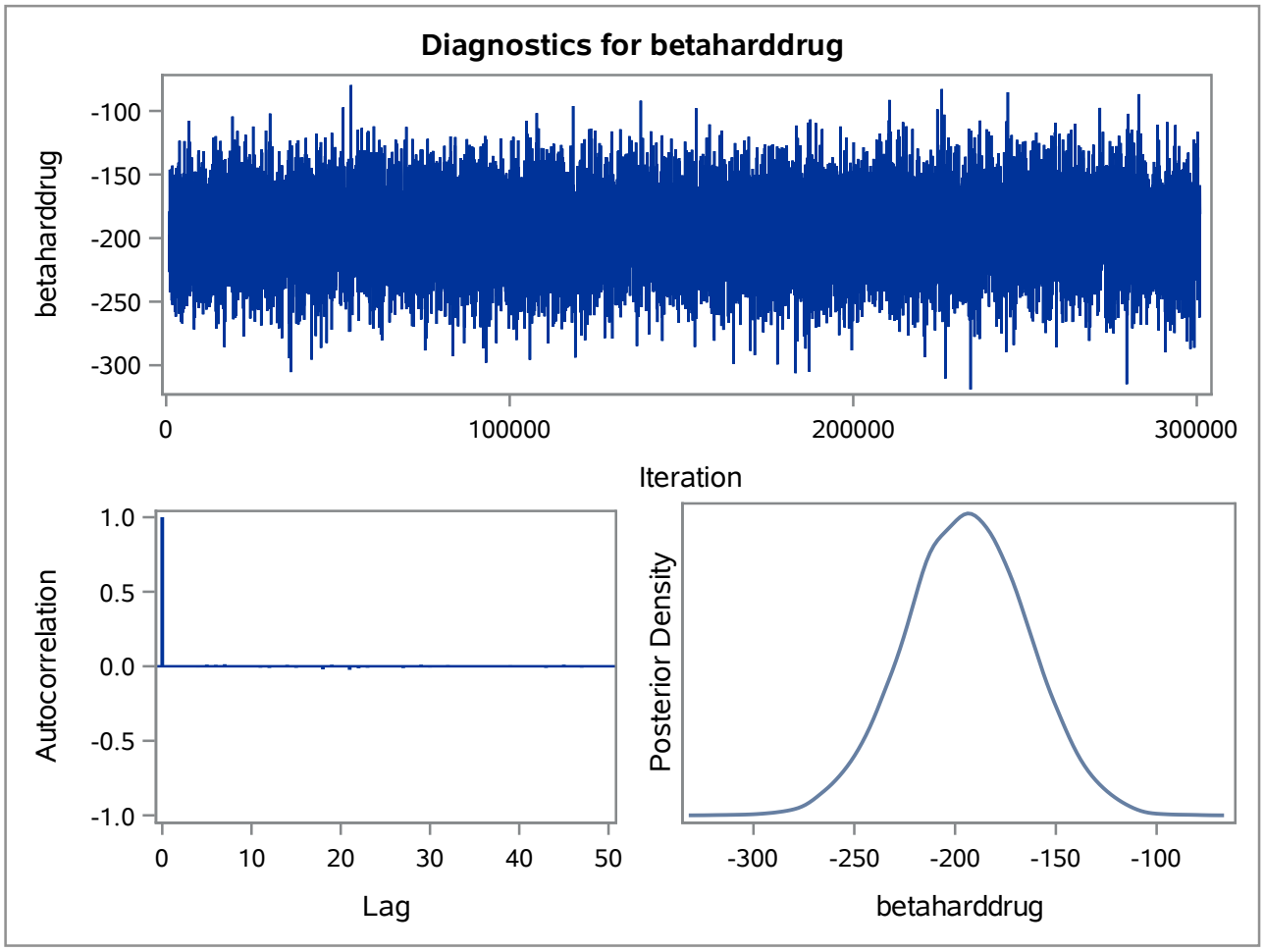
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	7660.1	1.9582	0.5107
betaharddrug	15000.0	1.0000	1.0000
betabase	7821.5	1.9178	0.5214
sigma2	15000.0	1.0000	1.0000

Deviance Information Criterion	
Dbar (posterior mean of deviance)	5403.669
Dmean (deviance evaluated at posterior mean)	5399.649
pD (effective number of parameters)	4.020
DIC (smaller is better)	5407.689

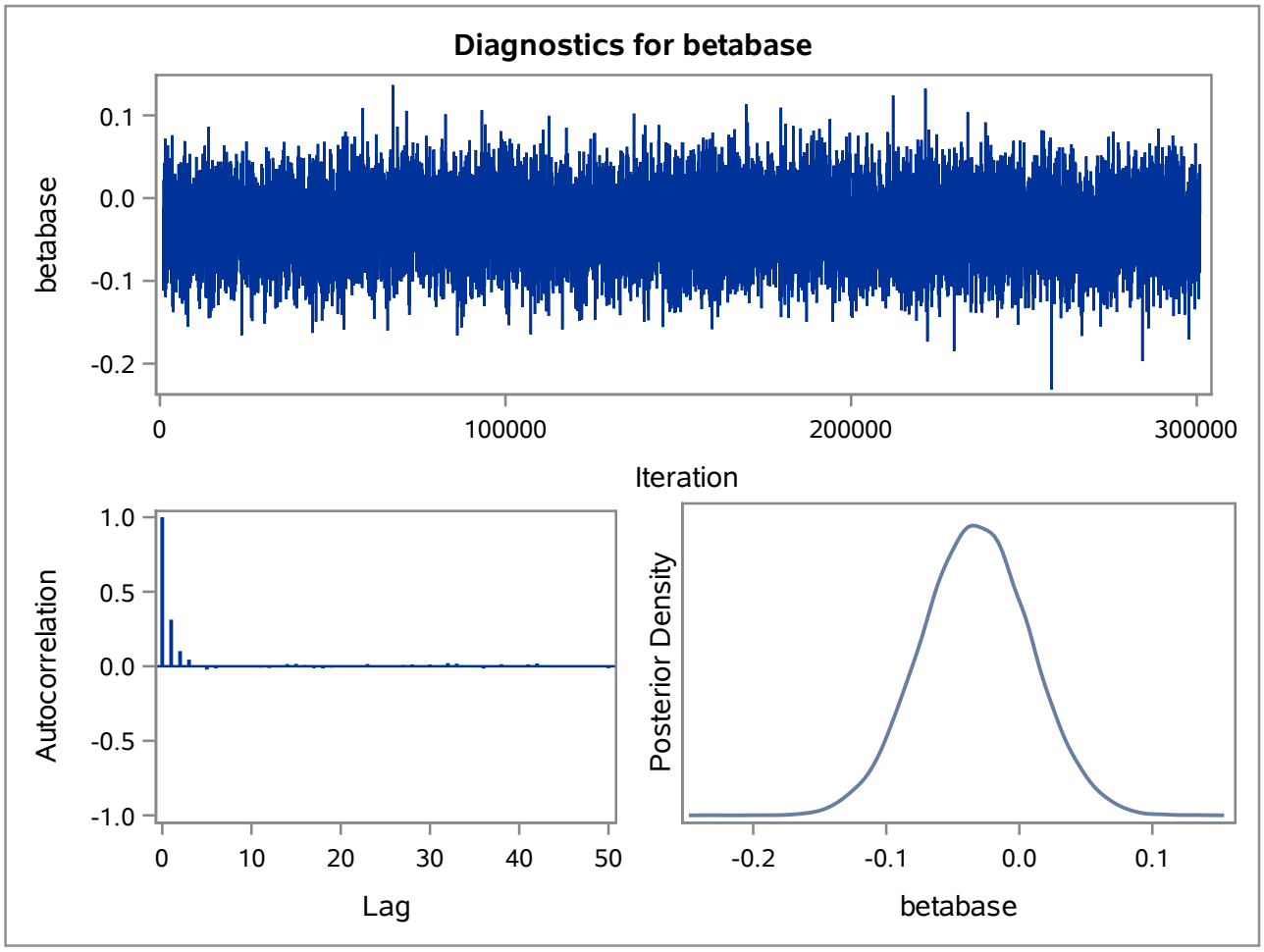
The MCMC Procedure



The MCMC Procedure



The MCMC Procedure



The MCMC Procedure