

## 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	betabase	N-Metropolis	0	normal(mean = 0, var = 1000)
3	betahash	N-Metropolis	0	normal(mean = 0, var = 1000)
4	betabmi	N-Metropolis	0	normal(mean = 0, var = 1000)
5	betasmoke	N-Metropolis	0	normal(mean = 0, var = 1000)
6	betadrink	N-Metropolis	0	normal(mean = 0, var = 1000)
7	betarace	N-Metropolis	0	normal(mean = 0, var = 1000)
8	betaeduc	N-Metropolis	0	normal(mean = 0, var = 1000)
9	betaage	N-Metropolis	0	normal(mean = 0, var = 1000)
10	betaadh	N-Metropolis	0	normal(mean = 0, var = 1000)
11	betaincomemid	N-Metropolis	0	normal(mean = 0, var = 1000)
	betaincomehigh		0	normal(mean = 0, var = 1000)
12	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)

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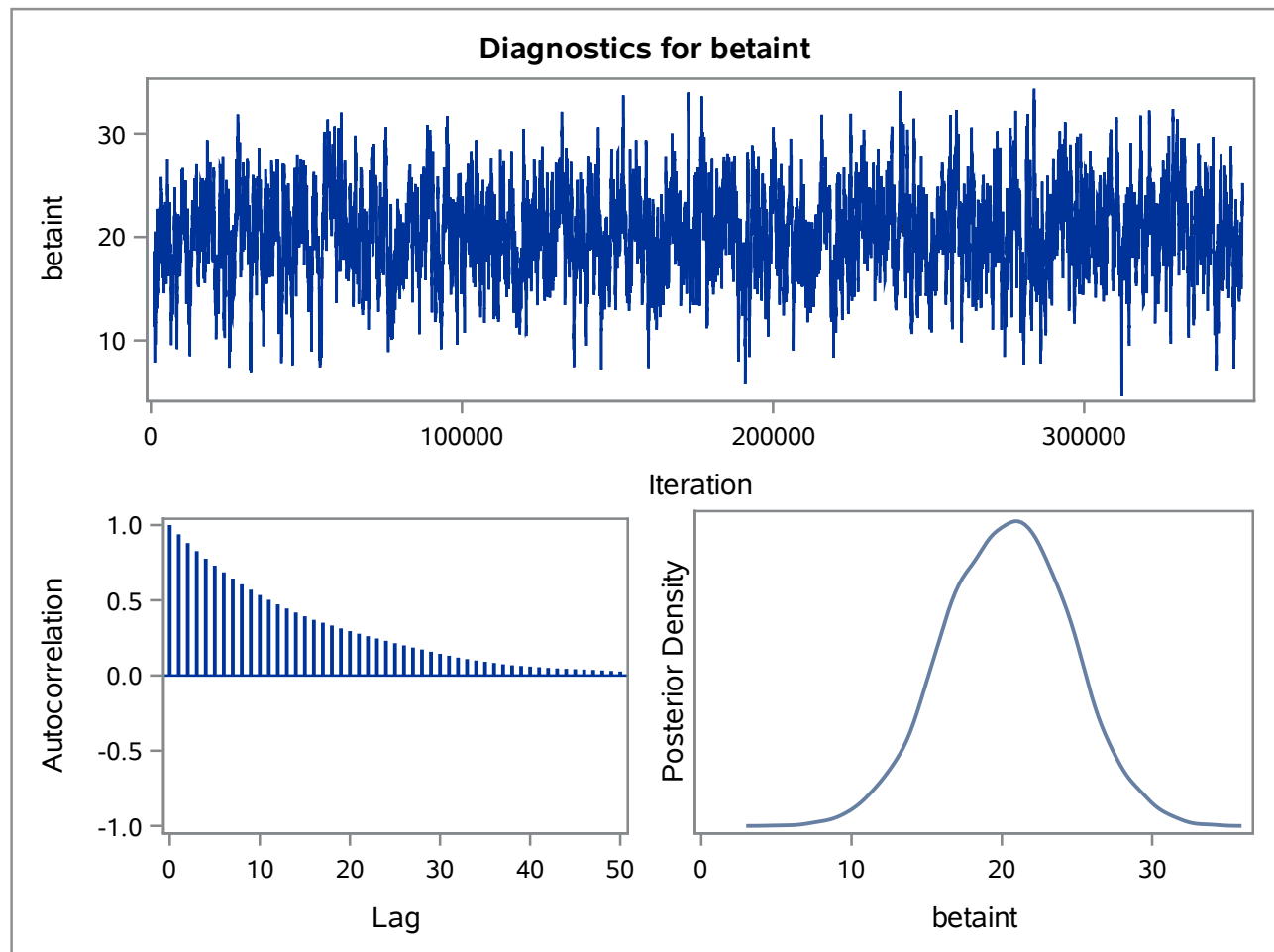
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	17500	20.3398	4.1609	12.2243	28.5576
betabase	17500	-0.5366	0.0375	-0.6093	-0.4624
betahash	17500	1.2978	1.0130	-0.7088	3.2743
betabmi	17500	0.0417	0.1183	-0.1895	0.2760
betasmoke	17500	1.3422	1.1019	-0.8362	3.4734
betadrink	17500	-0.2777	1.8325	-3.8115	3.3918
betarace	17500	0.1578	1.1831	-2.1126	2.5123
betaeduc	17500	1.6788	1.4803	-1.1443	4.6228
betaage	17500	0.0576	0.0573	-0.0538	0.1707
betaadh	17500	-2.9479	1.6098	-6.0645	0.2137
betaincomemid	17500	0.4205	1.4518	-2.3020	3.3605
betaincomehigh	17500	1.6973	1.7137	-1.5846	5.0529
sigma2	17500	98.0951	6.9603	85.0648	112.2

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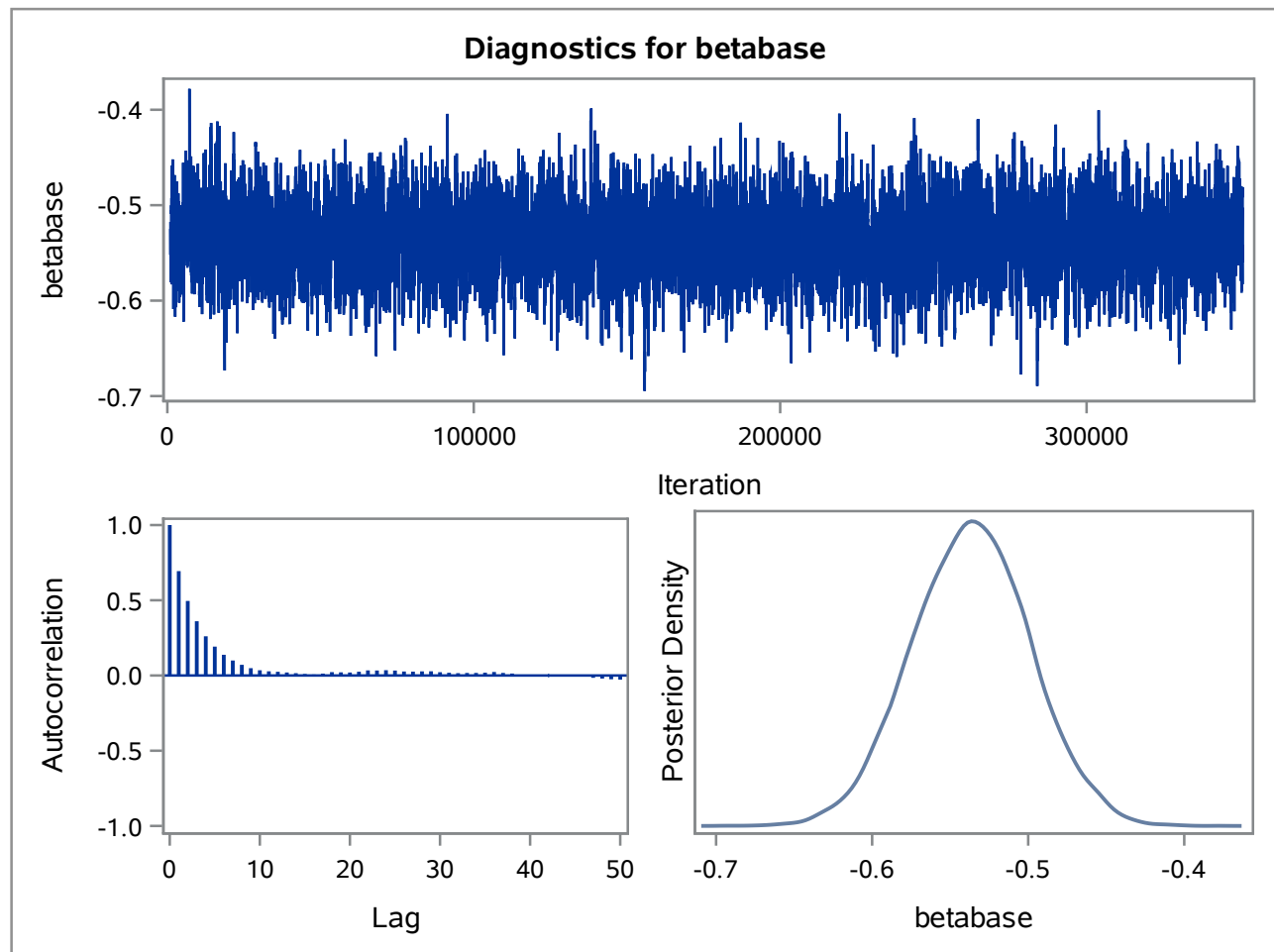
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	569.7	30.7199	0.0326
betabase	2924.9	5.9831	0.1671
betahash	14759.0	1.1857	0.8434
betabmi	815.2	21.4677	0.0466
betasmoke	5553.3	3.1513	0.3173
betadrink	17500.0	1.0000	1.0000
betarace	6041.7	2.8965	0.3452
betaeduc	5289.5	3.3084	0.3023
betaage	1460.3	11.9837	0.0834
betaadh	14761.2	1.1855	0.8435
betaincomemid	5555.8	3.1498	0.3175
betaincomehigh	5317.8	3.2908	0.3039
sigma2	17110.4	1.0228	0.9777

Deviance Information Criterion	
Dbar (posterior mean of deviance)	3076.652
Dmean (deviance evaluated at posterior mean)	3063.667
pD (effective number of parameters)	12.985
DIC (smaller is better)	3089.638

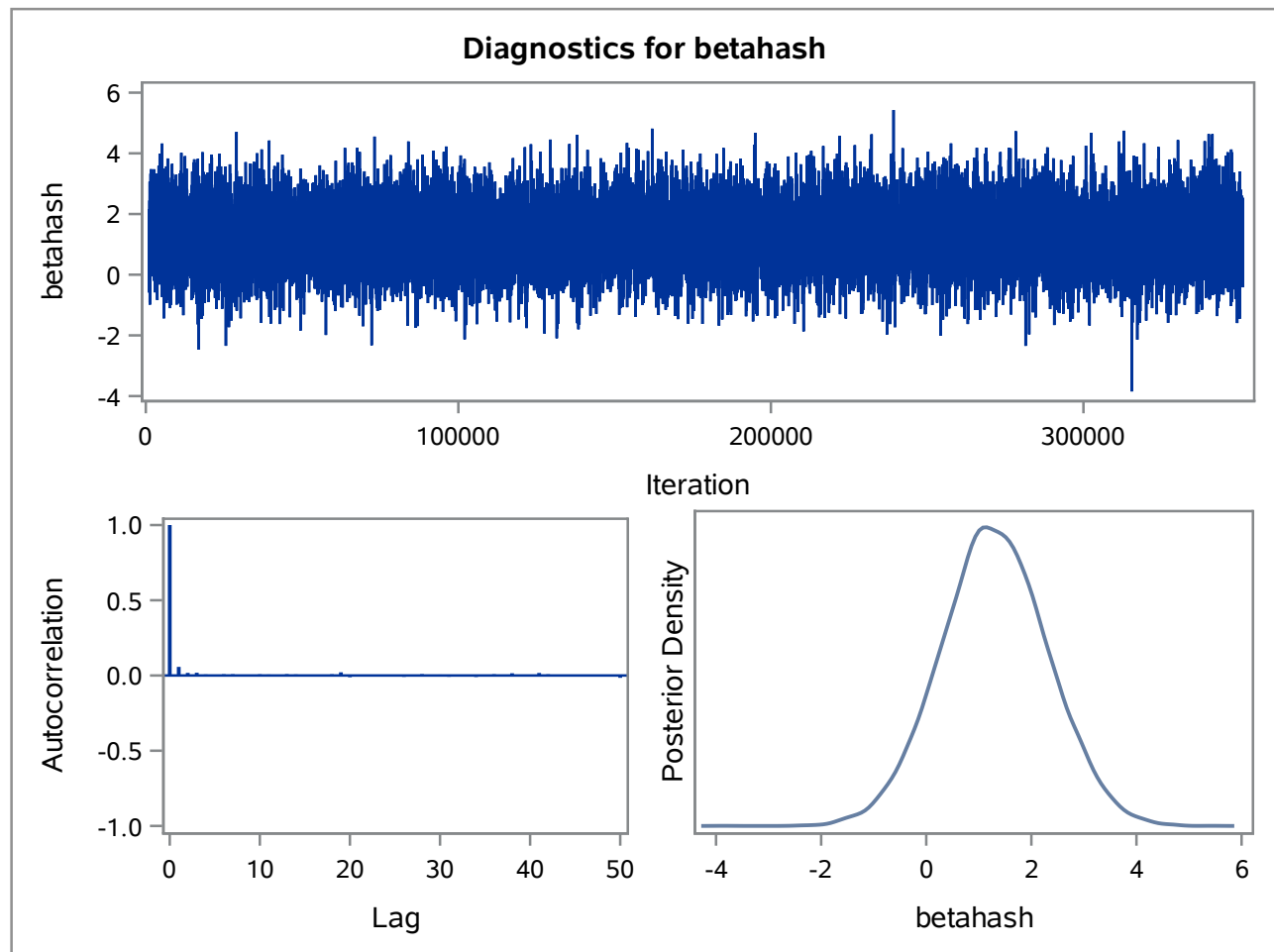
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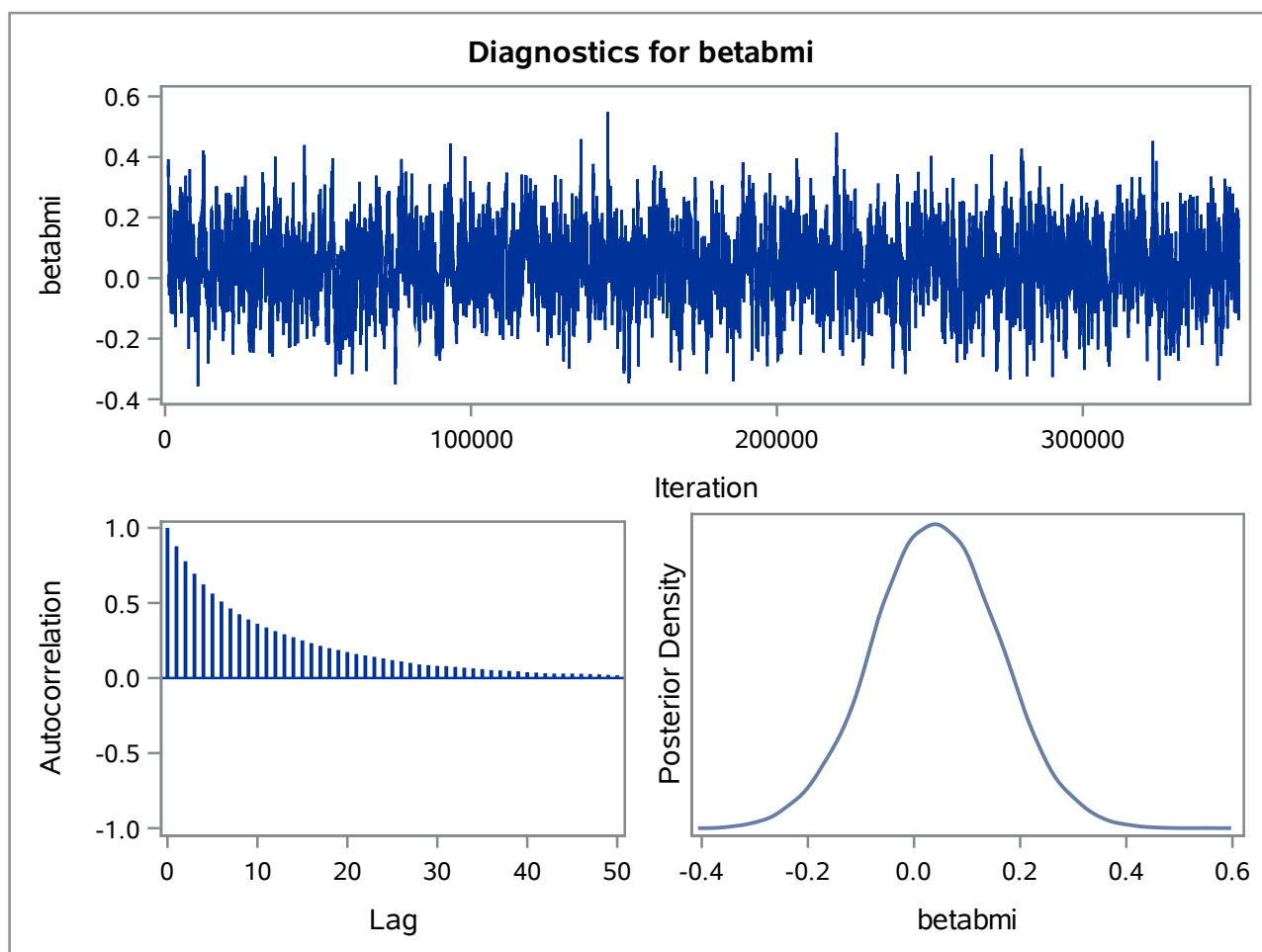
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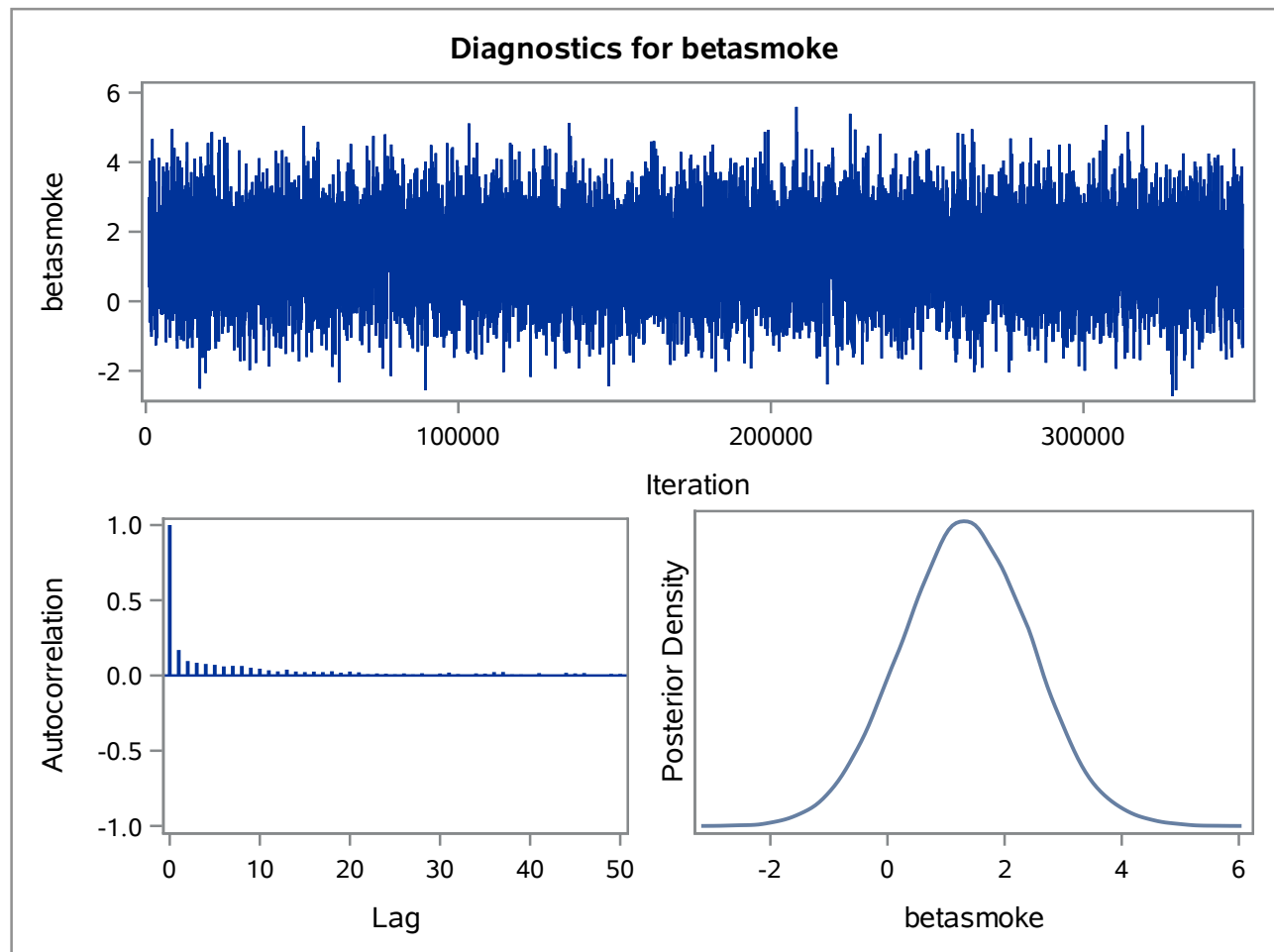
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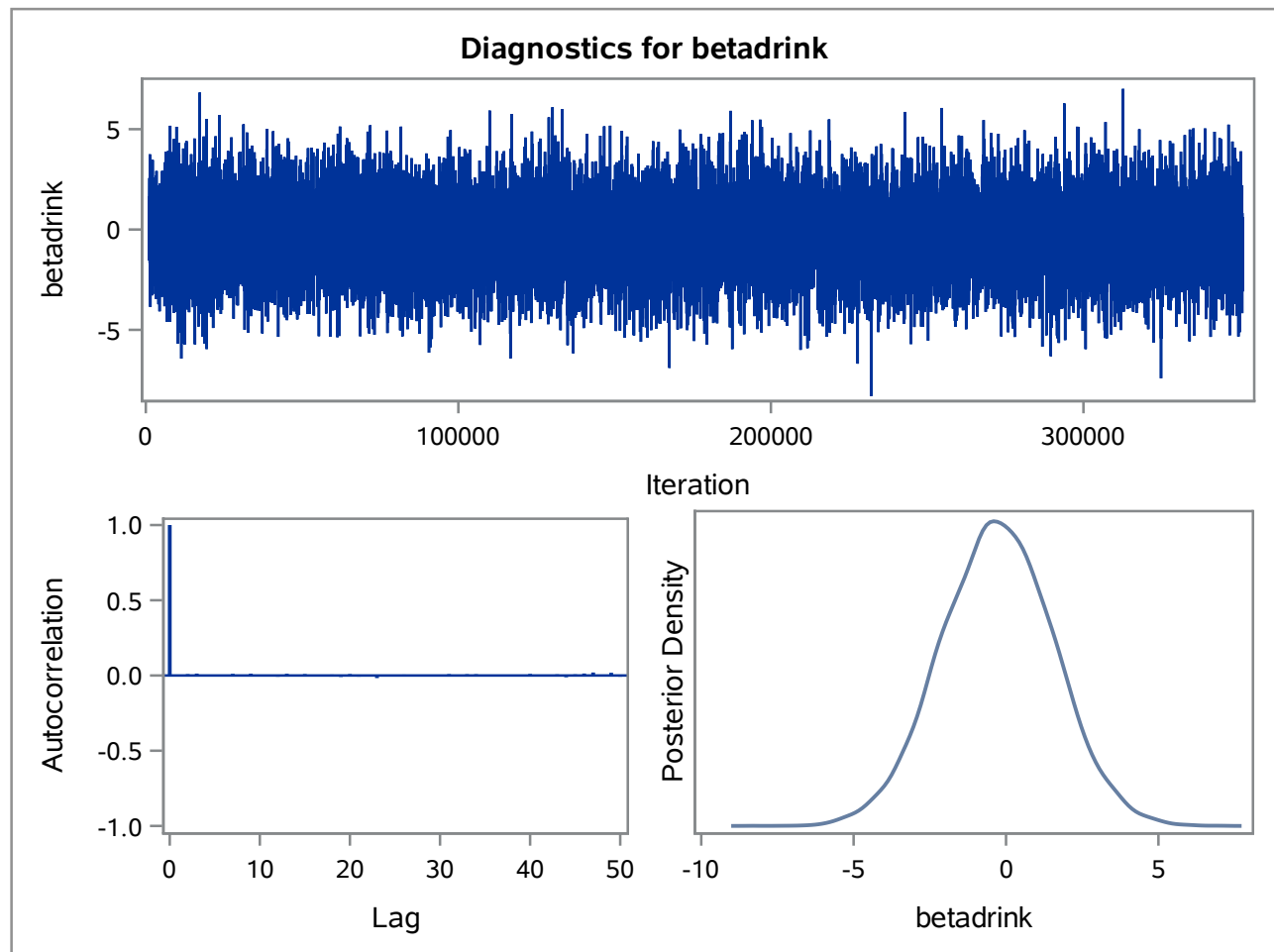


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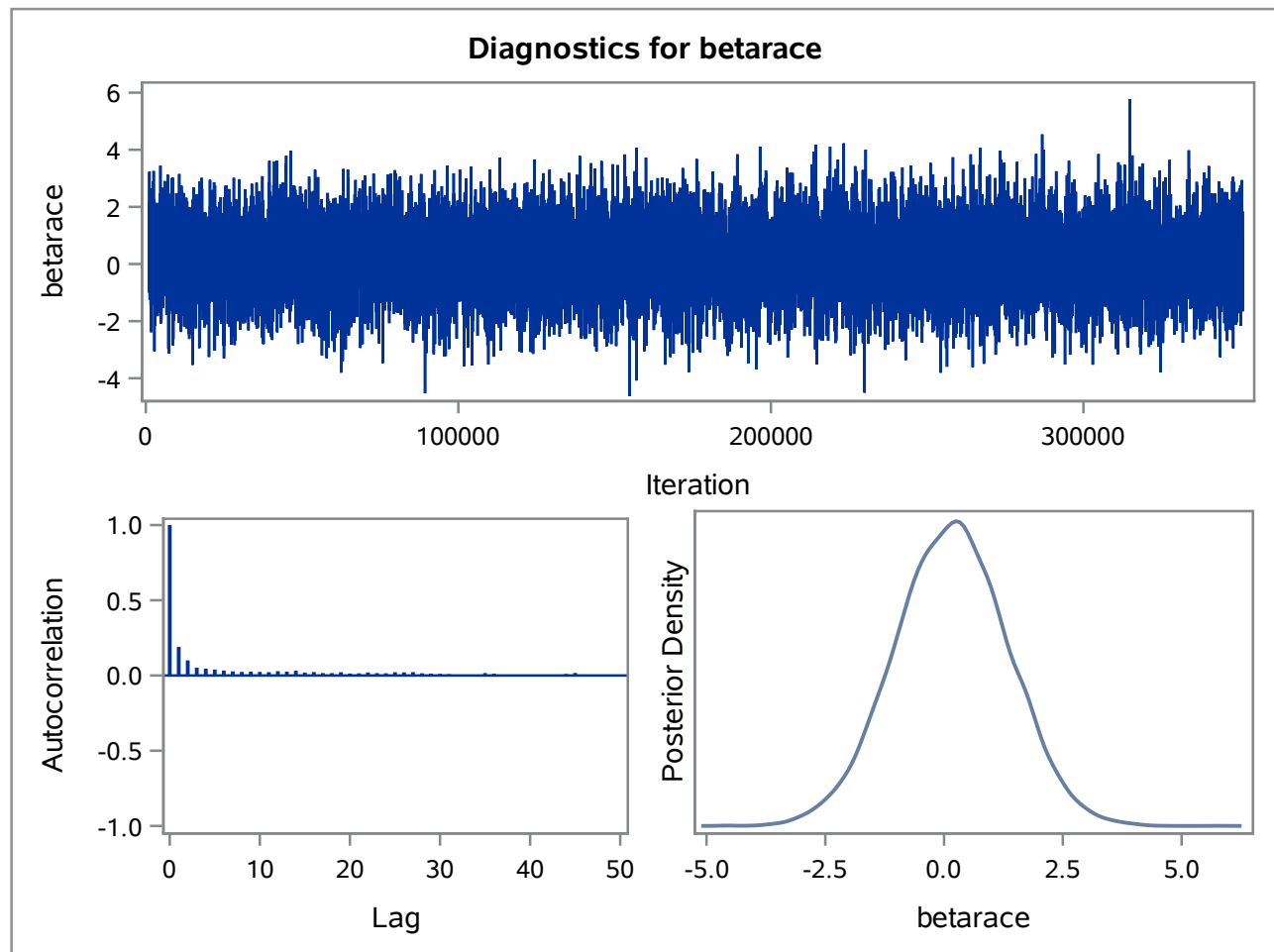




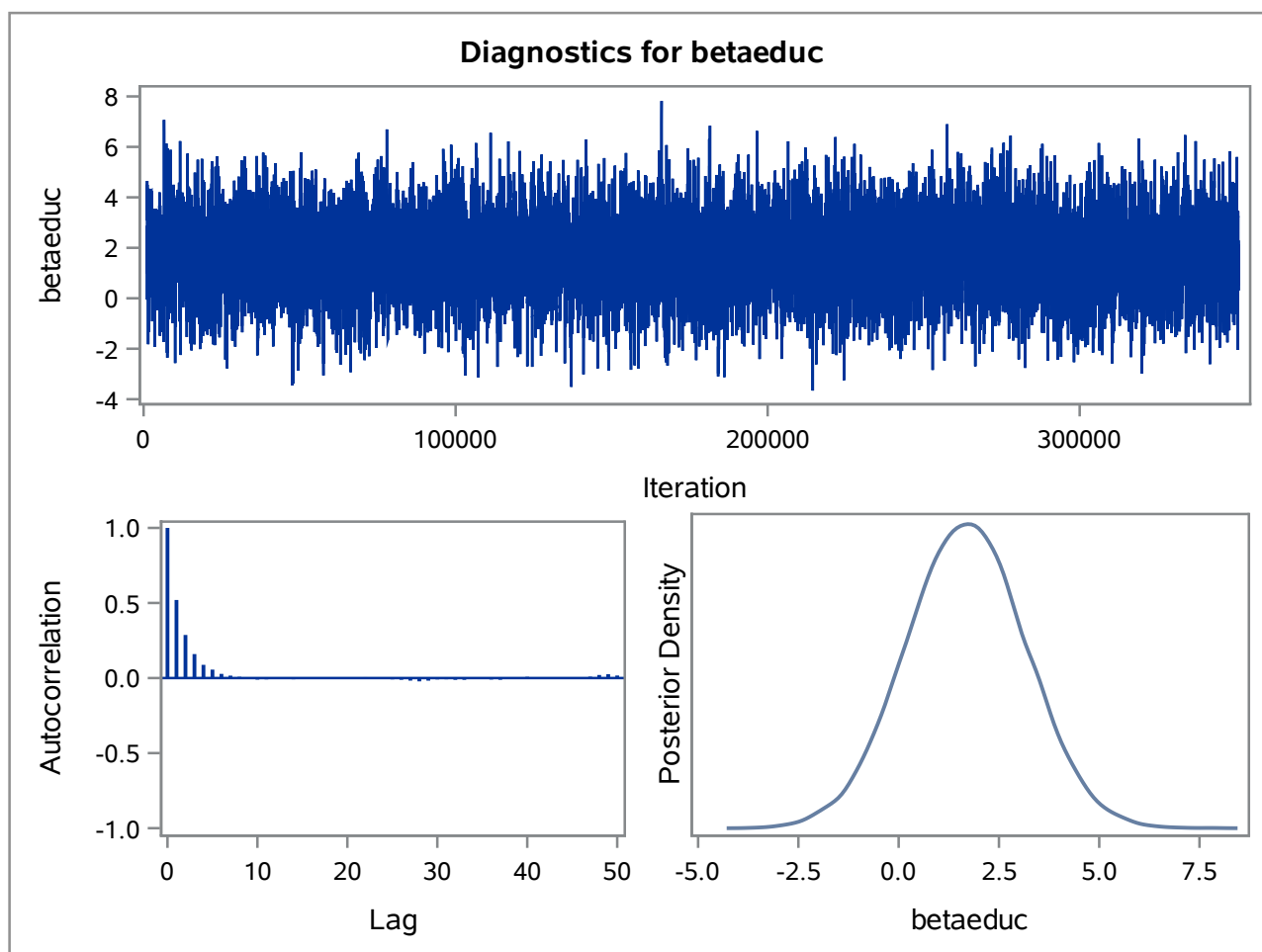
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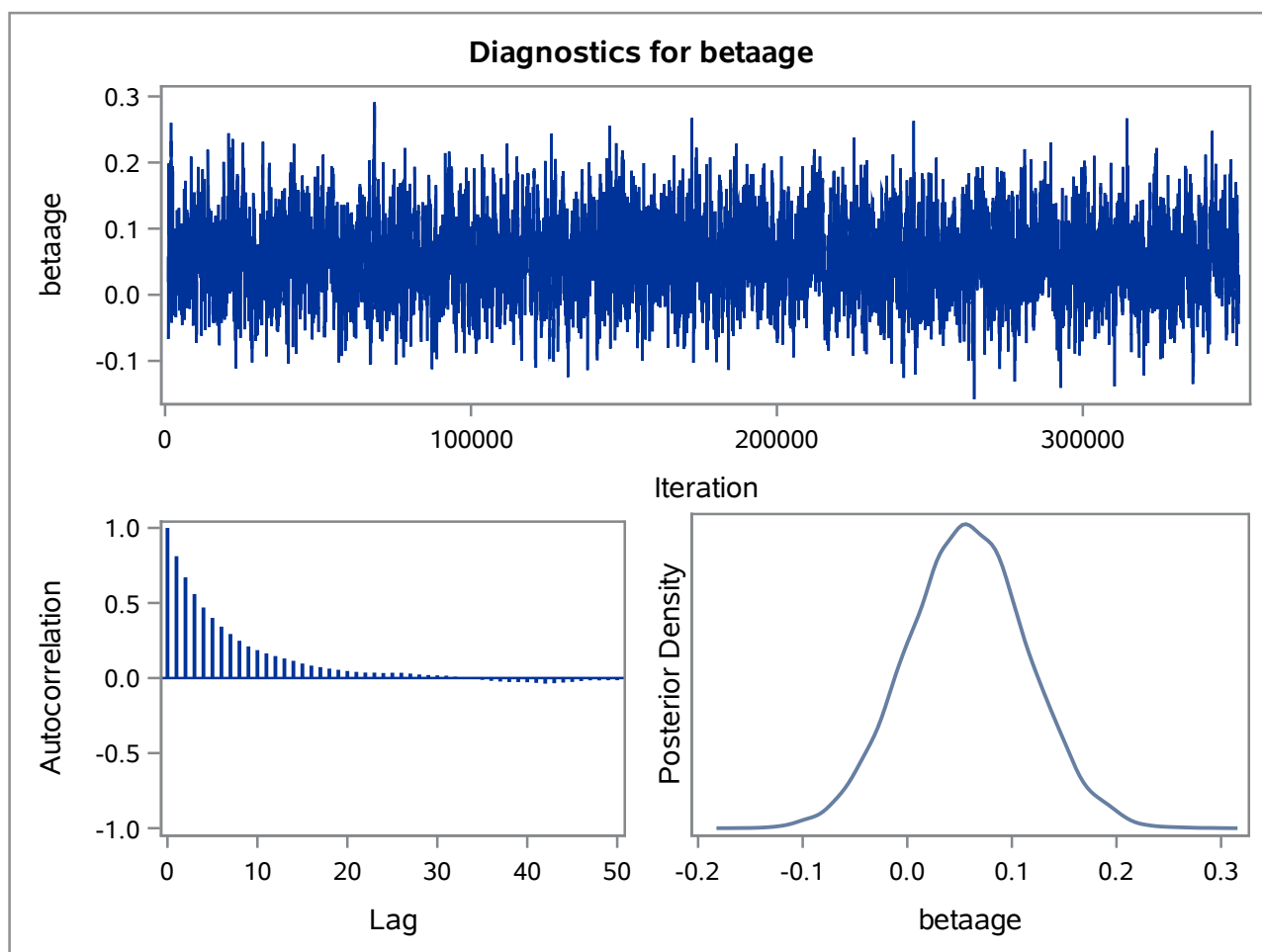
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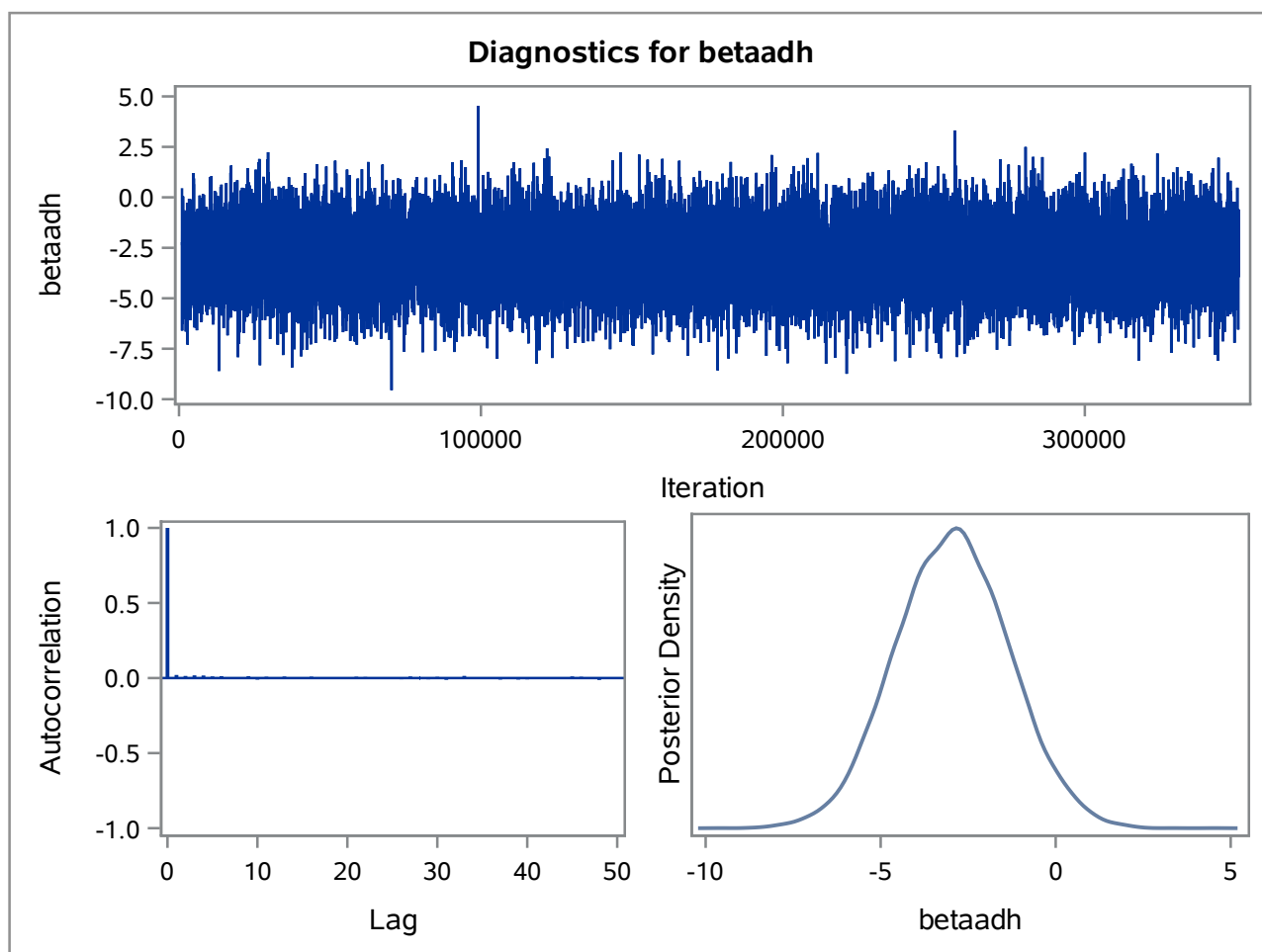
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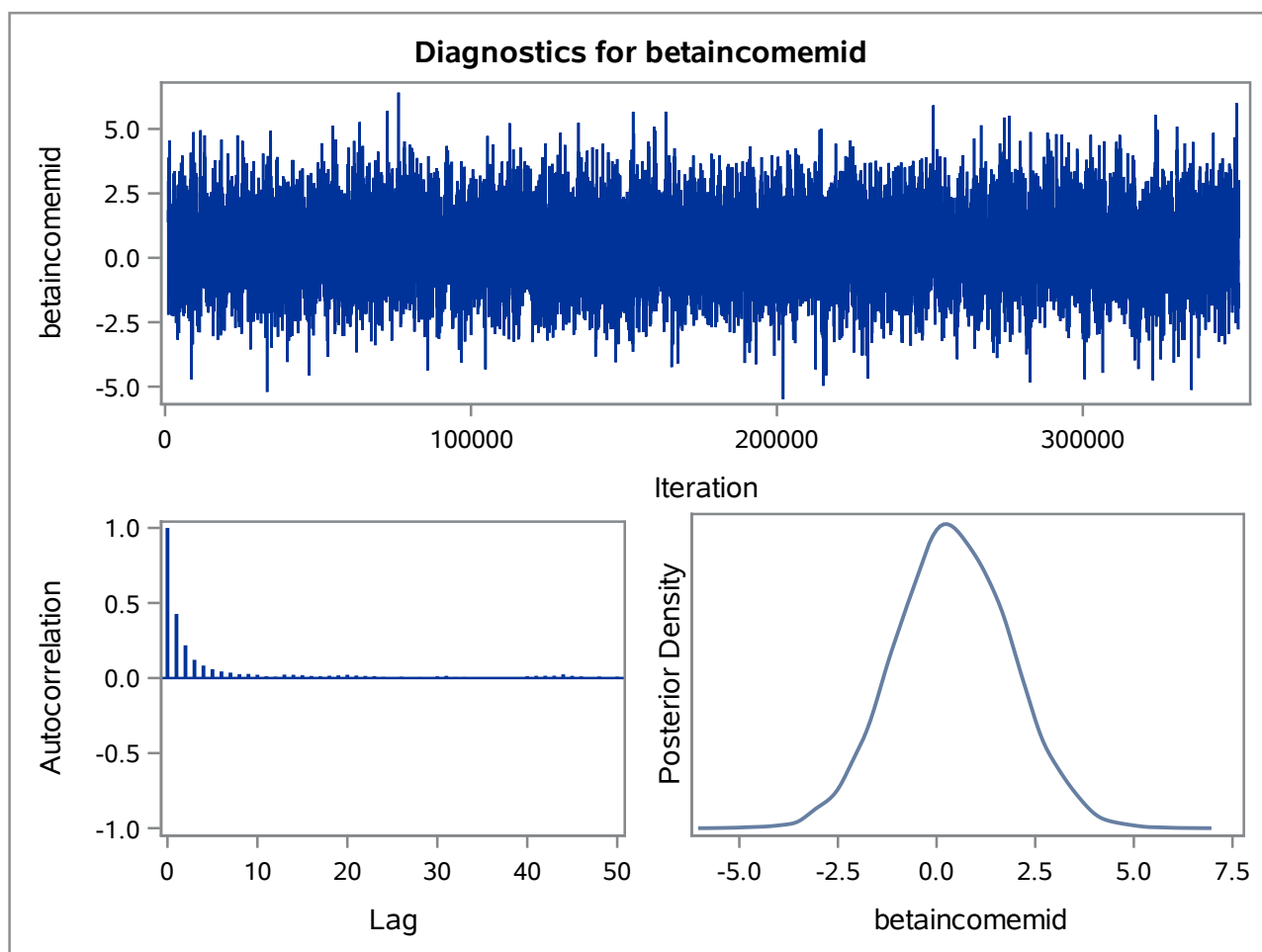
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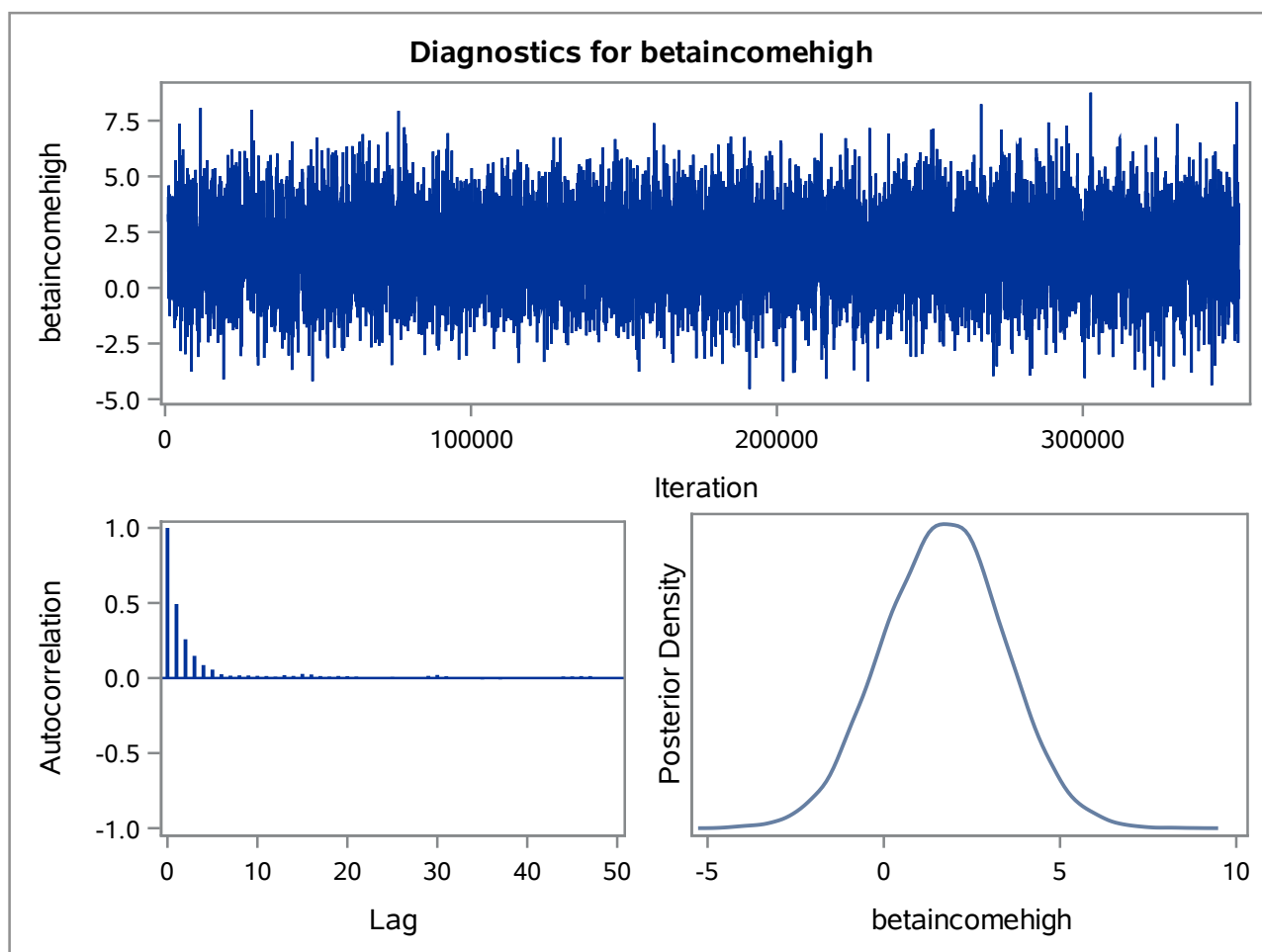
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