

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

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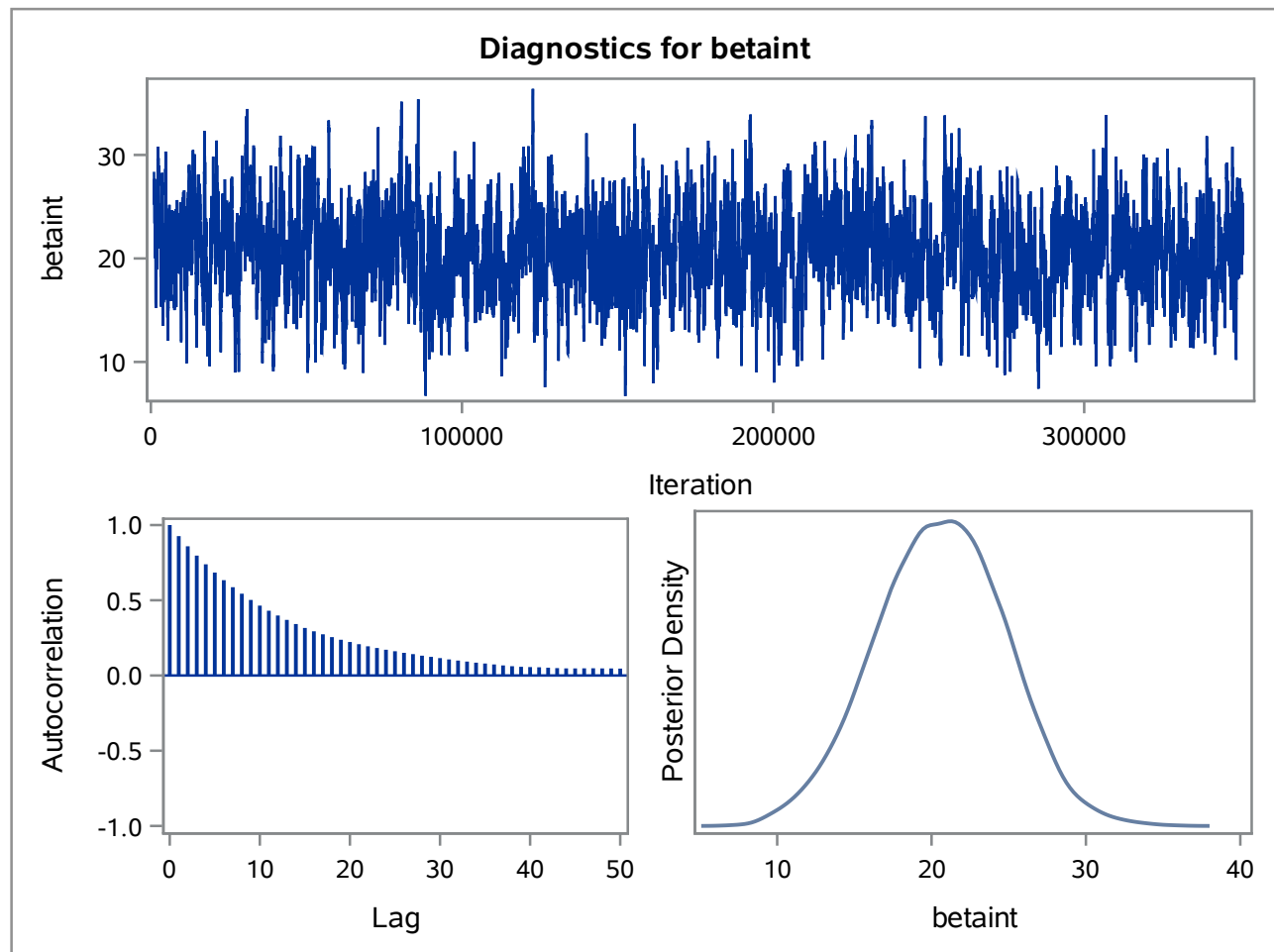
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	17500	20.5766	4.1766	12.1689	28.3998
betaharddrug	17500	-1.1225	1.9128	-4.9229	2.5846
betabase	17500	-0.5388	0.0371	-0.6115	-0.4665
betahash	17500	1.2659	1.0183	-0.7248	3.2371
betabmi	17500	0.0378	0.1165	-0.1911	0.2579
betasmoke	17500	1.4179	1.1098	-0.7602	3.5749
betadrink	17500	-0.3001	1.8224	-3.9889	3.1521
betarace	17500	0.1802	1.1848	-2.0152	2.5744
betaeduc	17500	1.6448	1.4535	-1.1536	4.5353
betaage	17500	0.0605	0.0572	-0.0527	0.1705
betaadh	17500	-3.0289	1.6210	-6.1785	0.1515
betaincomemid	17500	0.3329	1.4640	-2.4625	3.2477
betaincomehigh	17500	1.6204	1.7116	-1.8689	4.8420
sigma2	17500	98.2965	6.9352	85.0197	112.1

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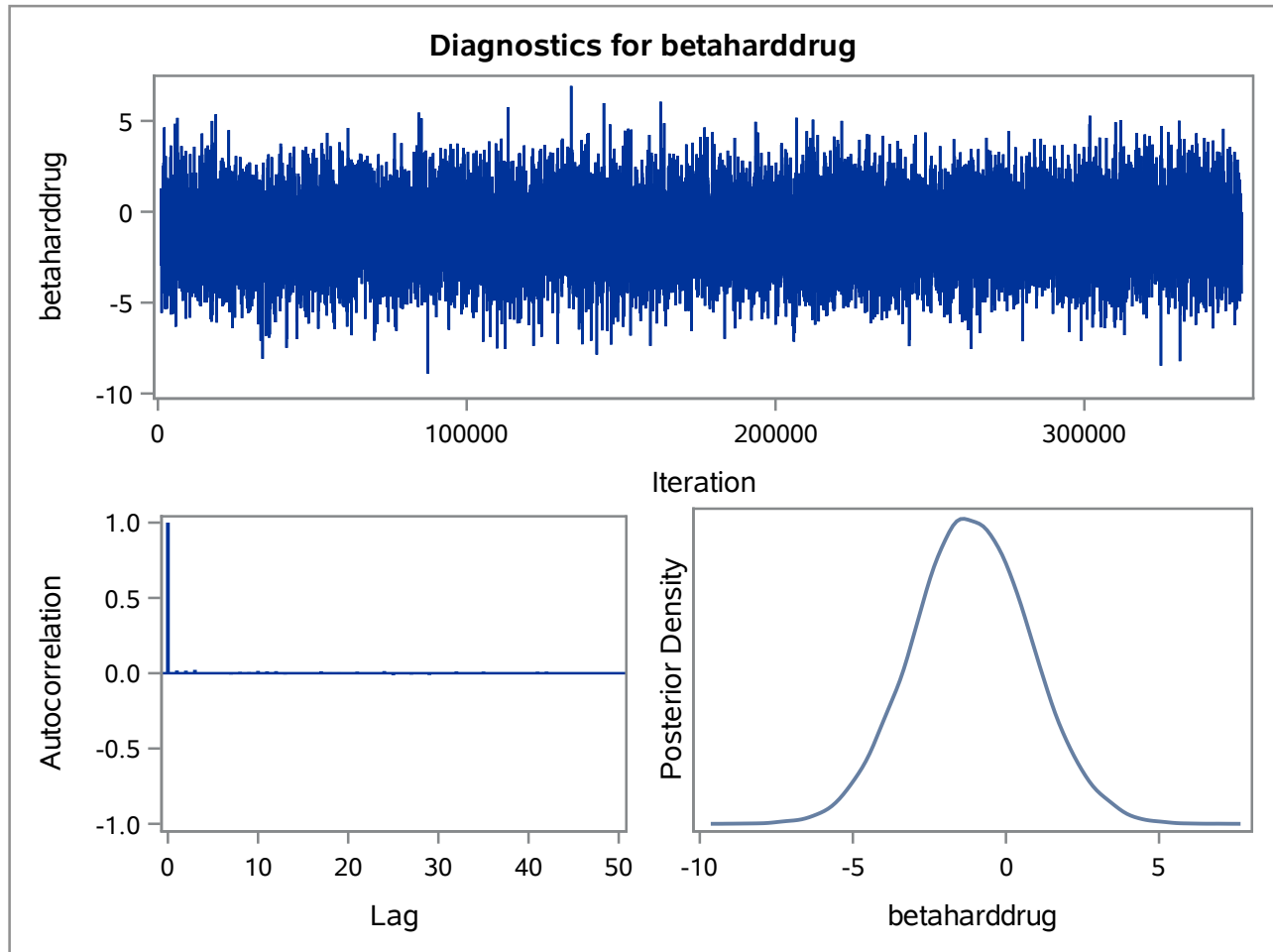
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	595.5	29.3850	0.0340
betaharddrug	15701.7	1.1145	0.8972
betabase	3788.2	4.6196	0.2165
betahash	15453.5	1.1324	0.8831
betabmi	922.6	18.9677	0.0527
betasmoke	7654.3	2.2863	0.4374
betadrink	17500.0	1.0000	1.0000
betarace	8742.4	2.0017	0.4996
betaeduc	6089.6	2.8737	0.3480
betaage	1626.7	10.7581	0.0930
betaadh	16474.7	1.0622	0.9414
betaincomemid	5405.3	3.2376	0.3089
betaincomehigh	5720.1	3.0594	0.3269
sigma2	17500.0	1.0000	1.0000

Deviance Information Criterion	
Dbar (posterior mean of deviance)	3077.175
Dmean (deviance evaluated at posterior mean)	3063.314
pD (effective number of parameters)	13.861
DIC (smaller is better)	3091.036

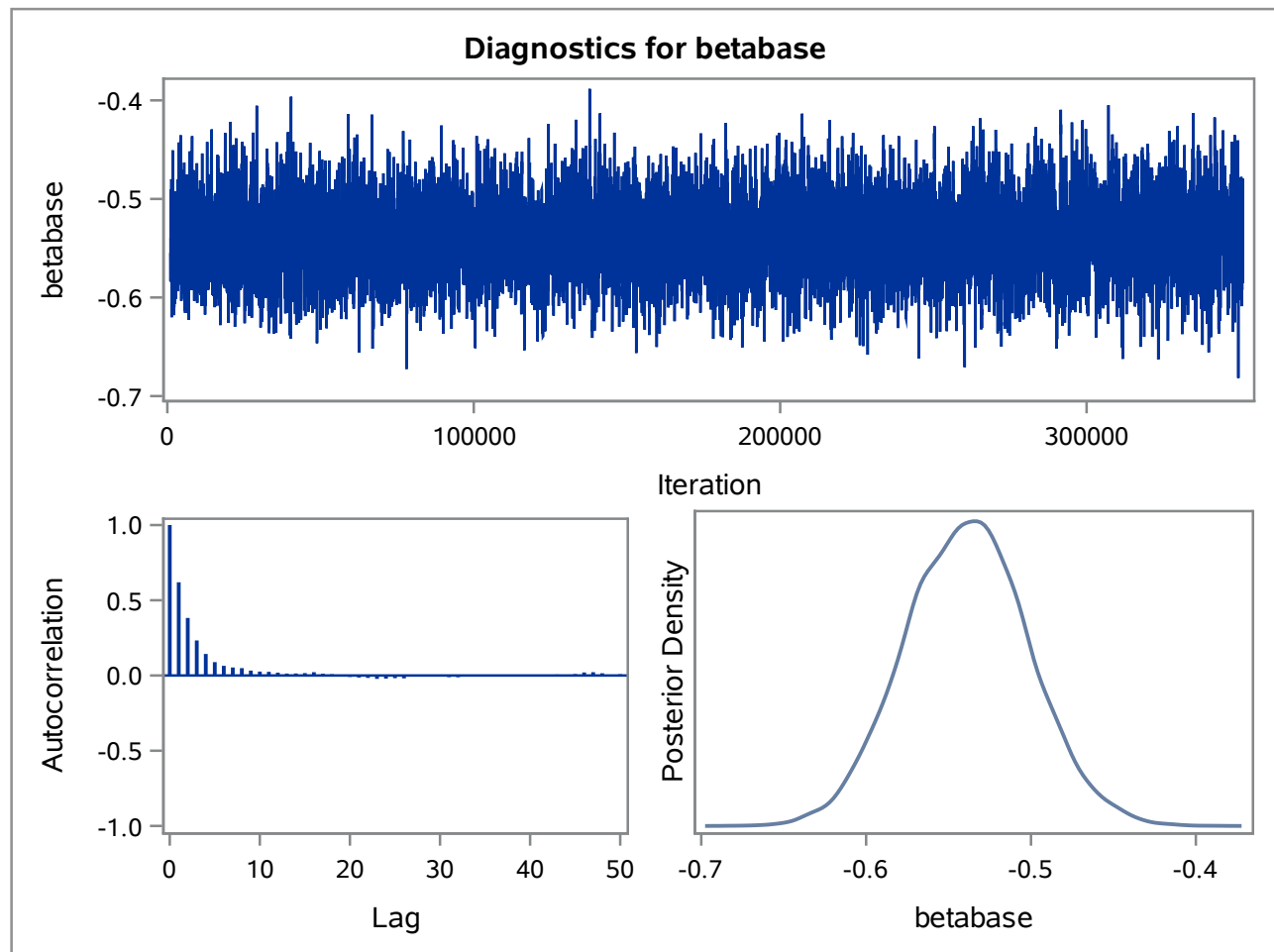
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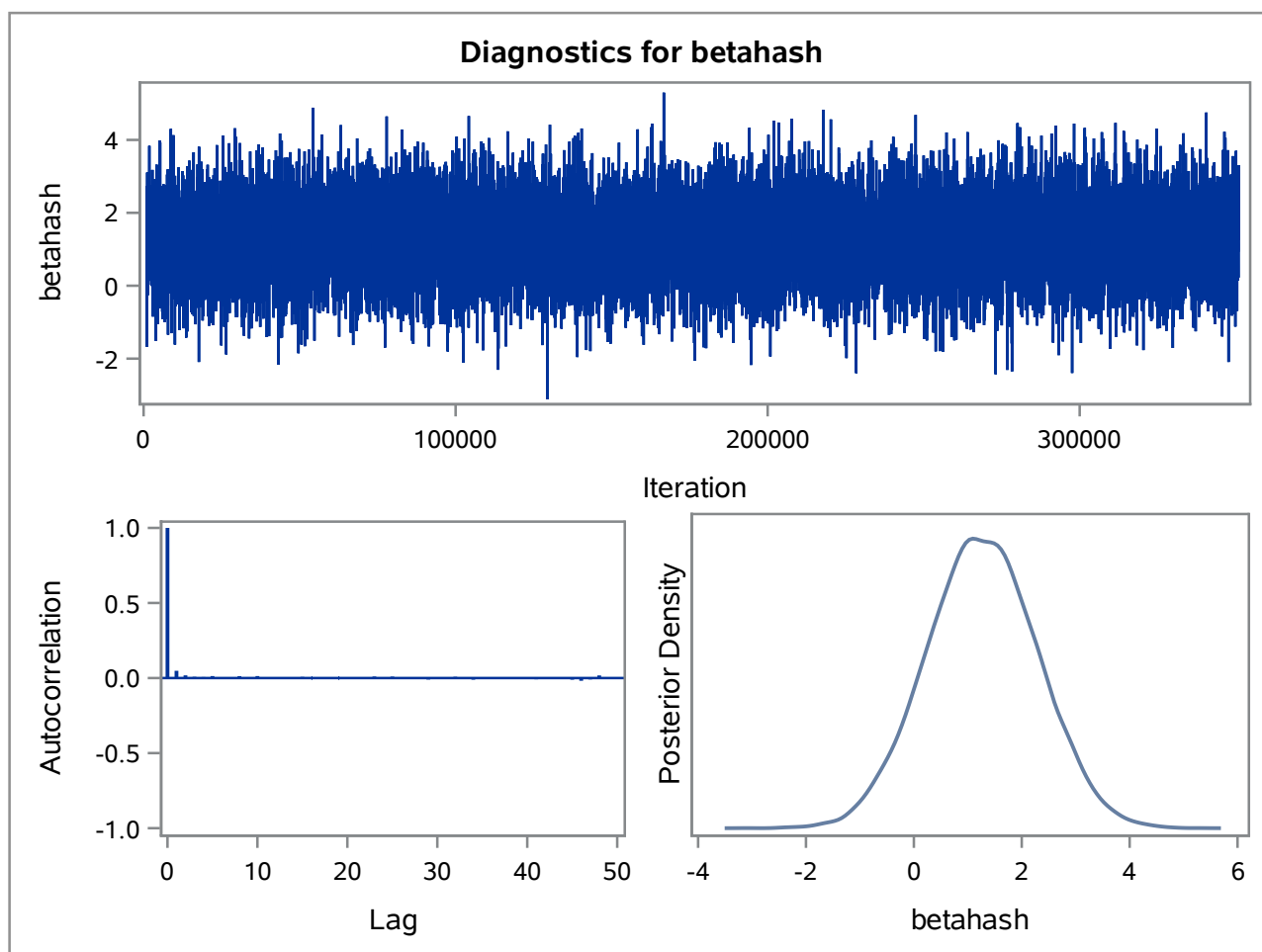
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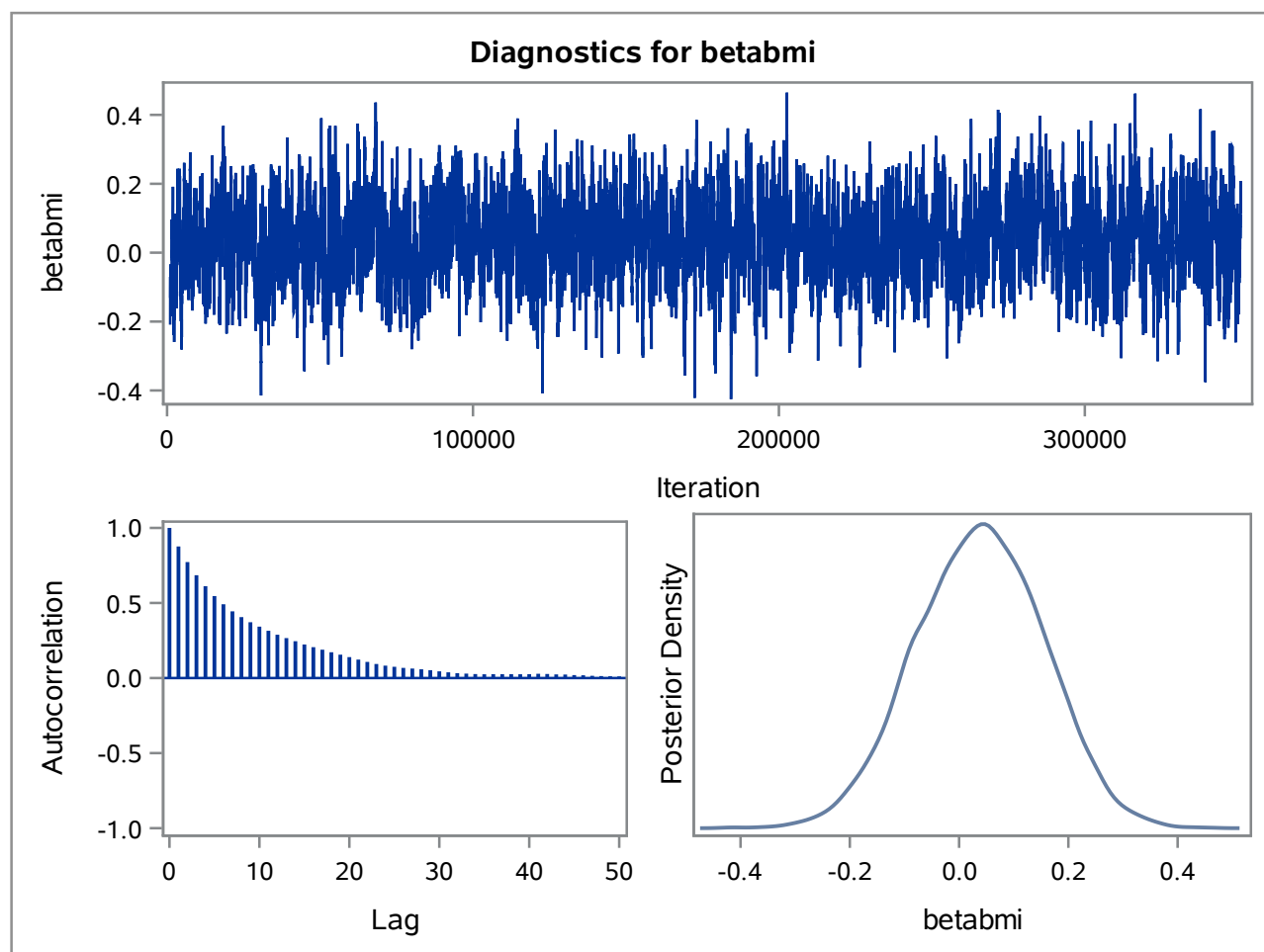
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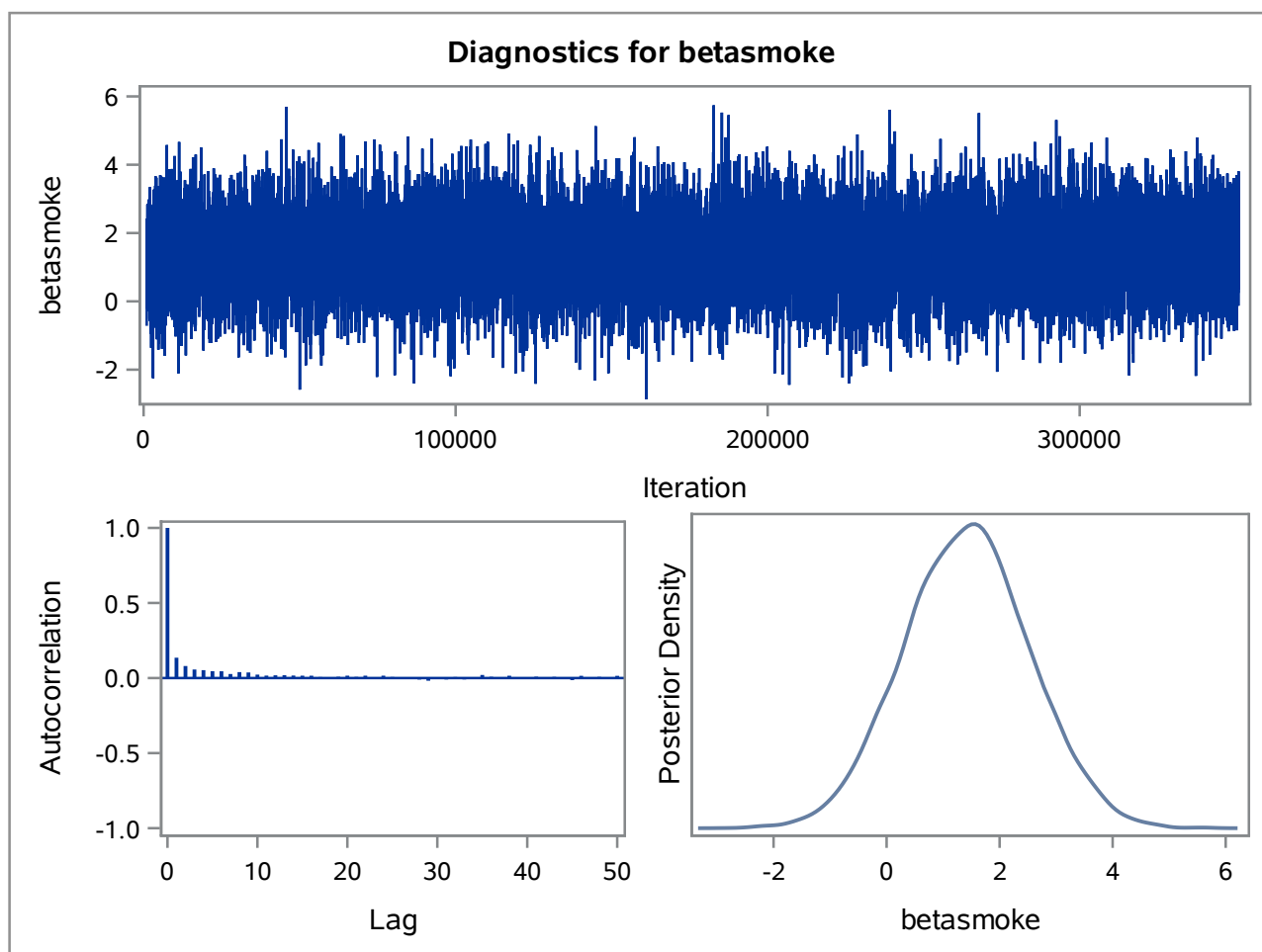
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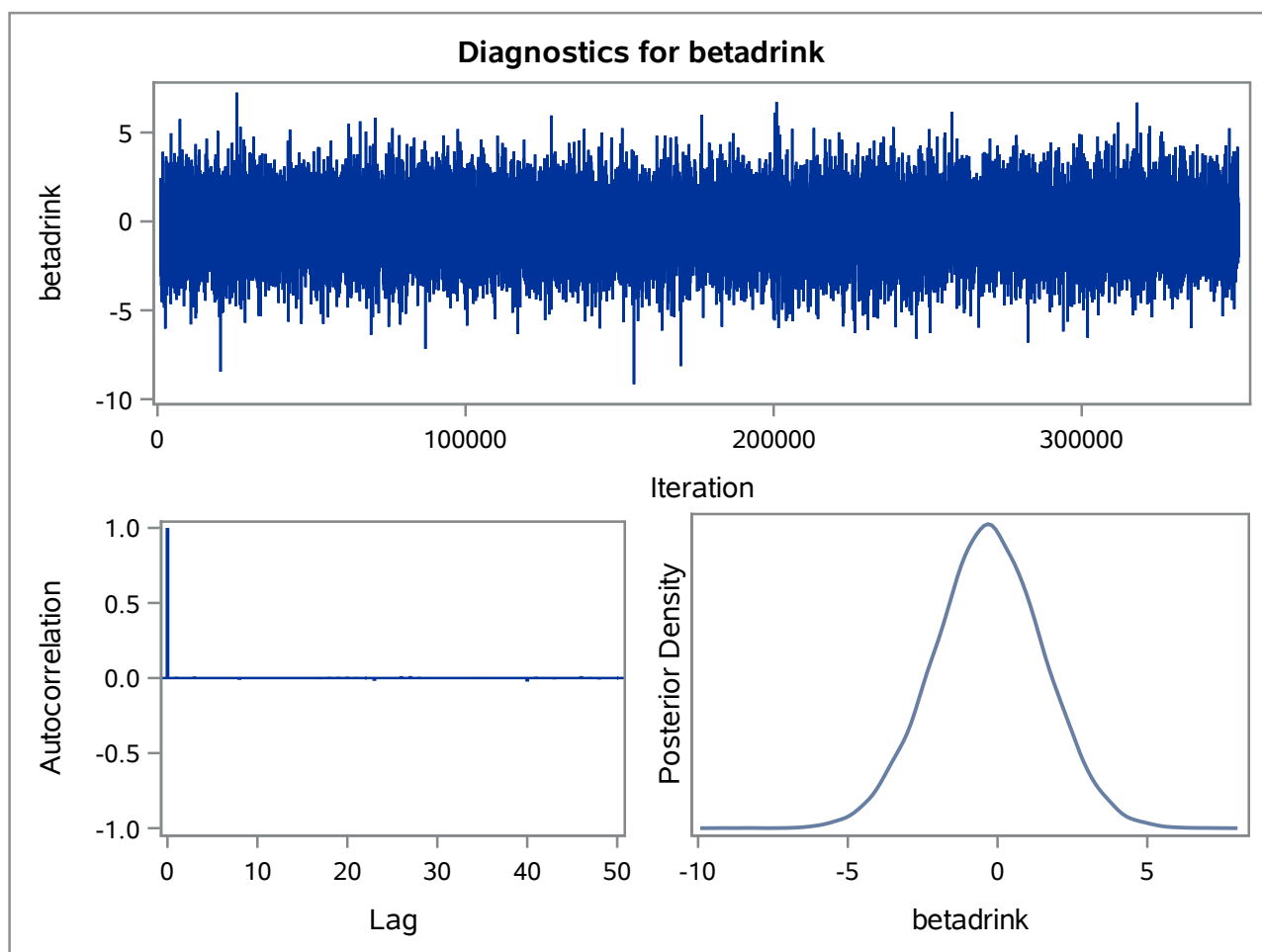
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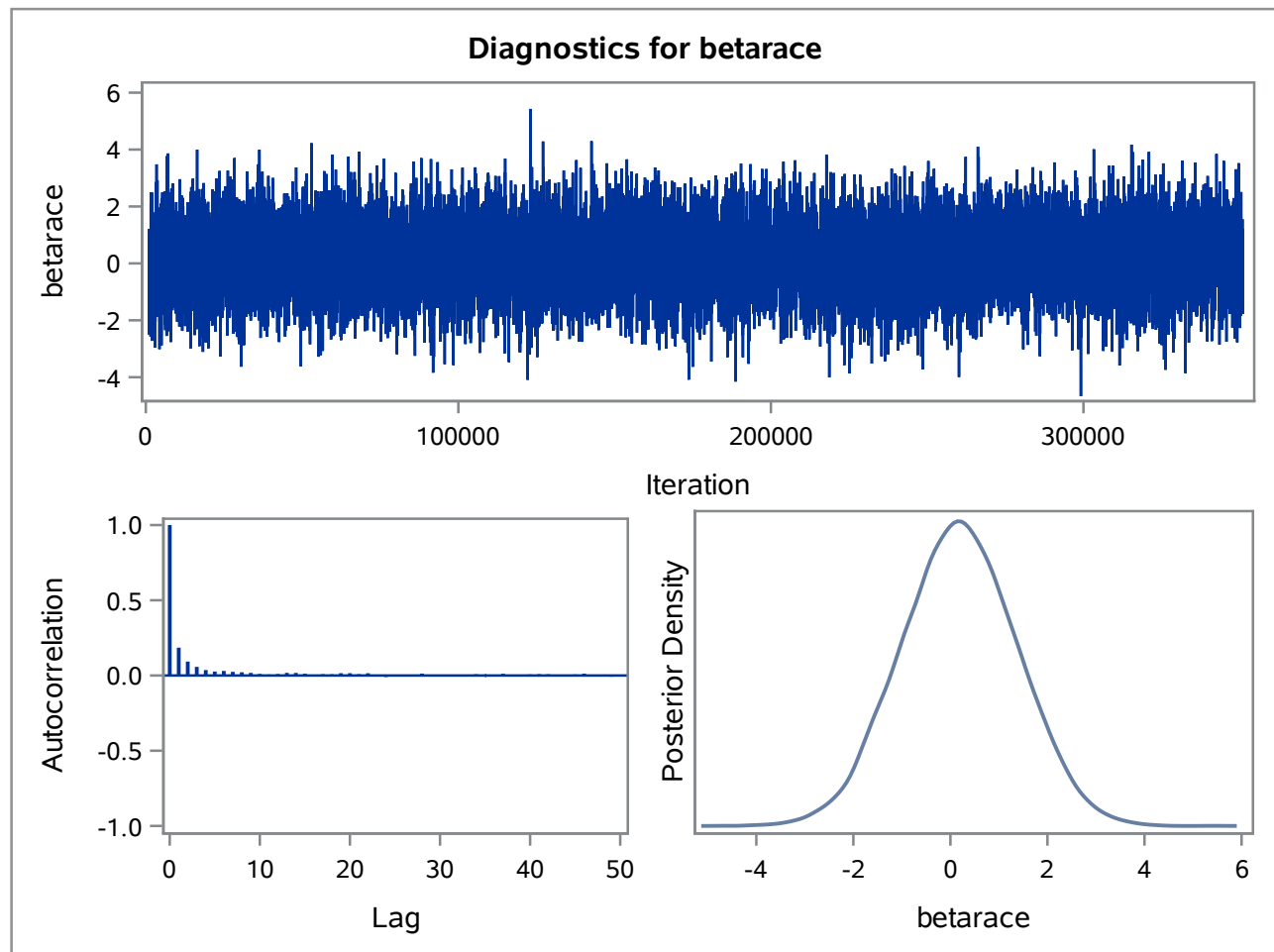
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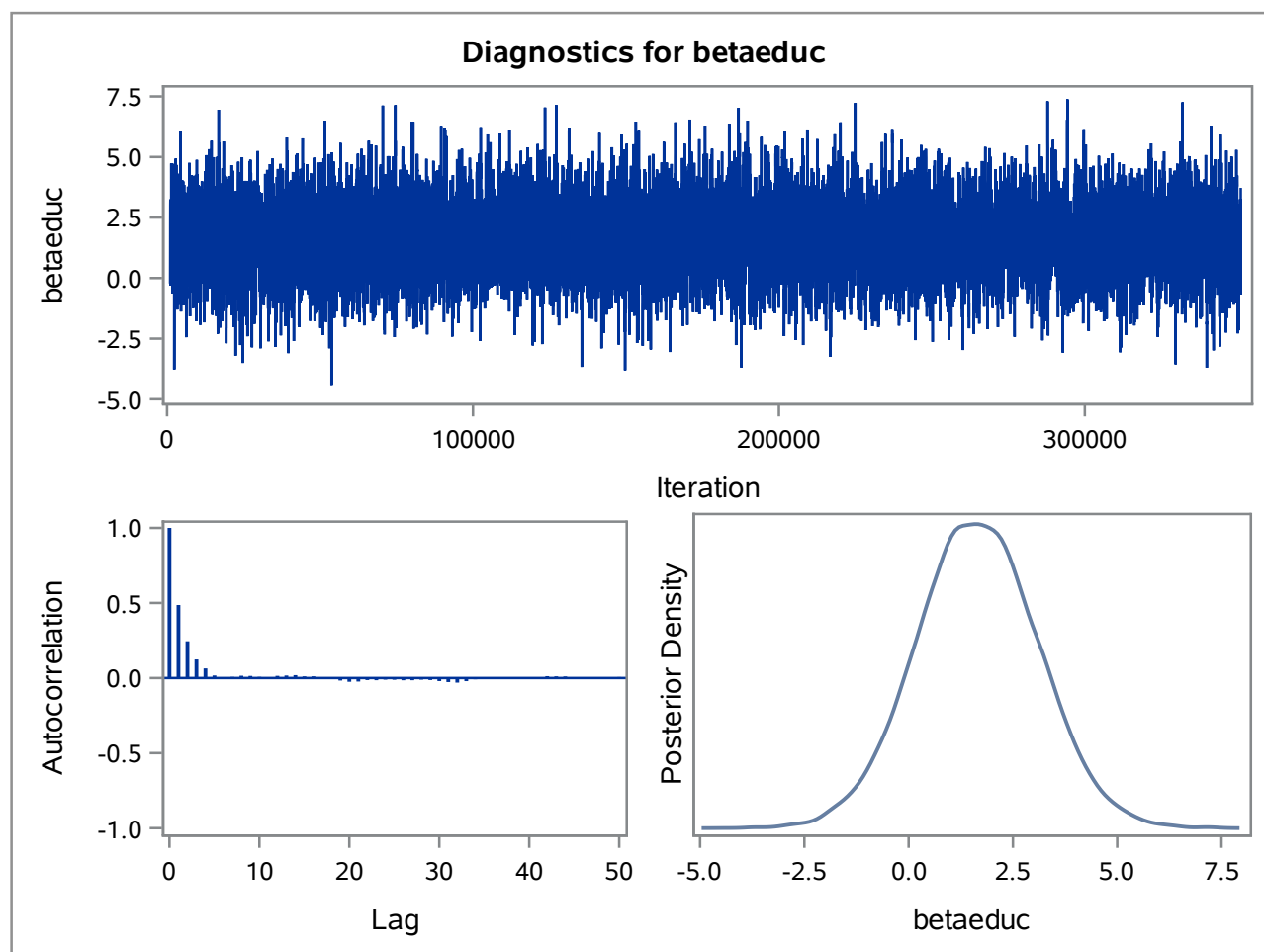
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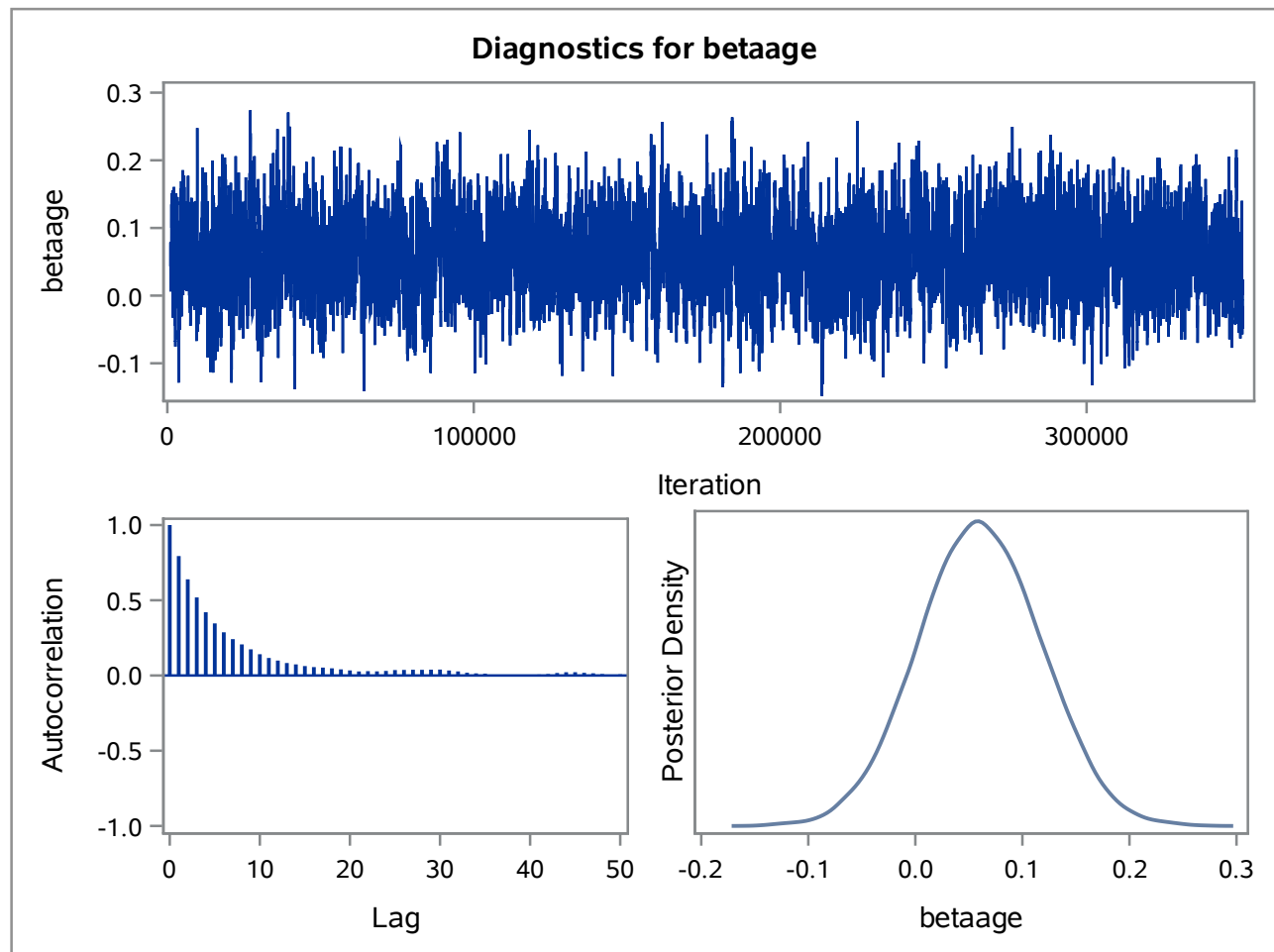
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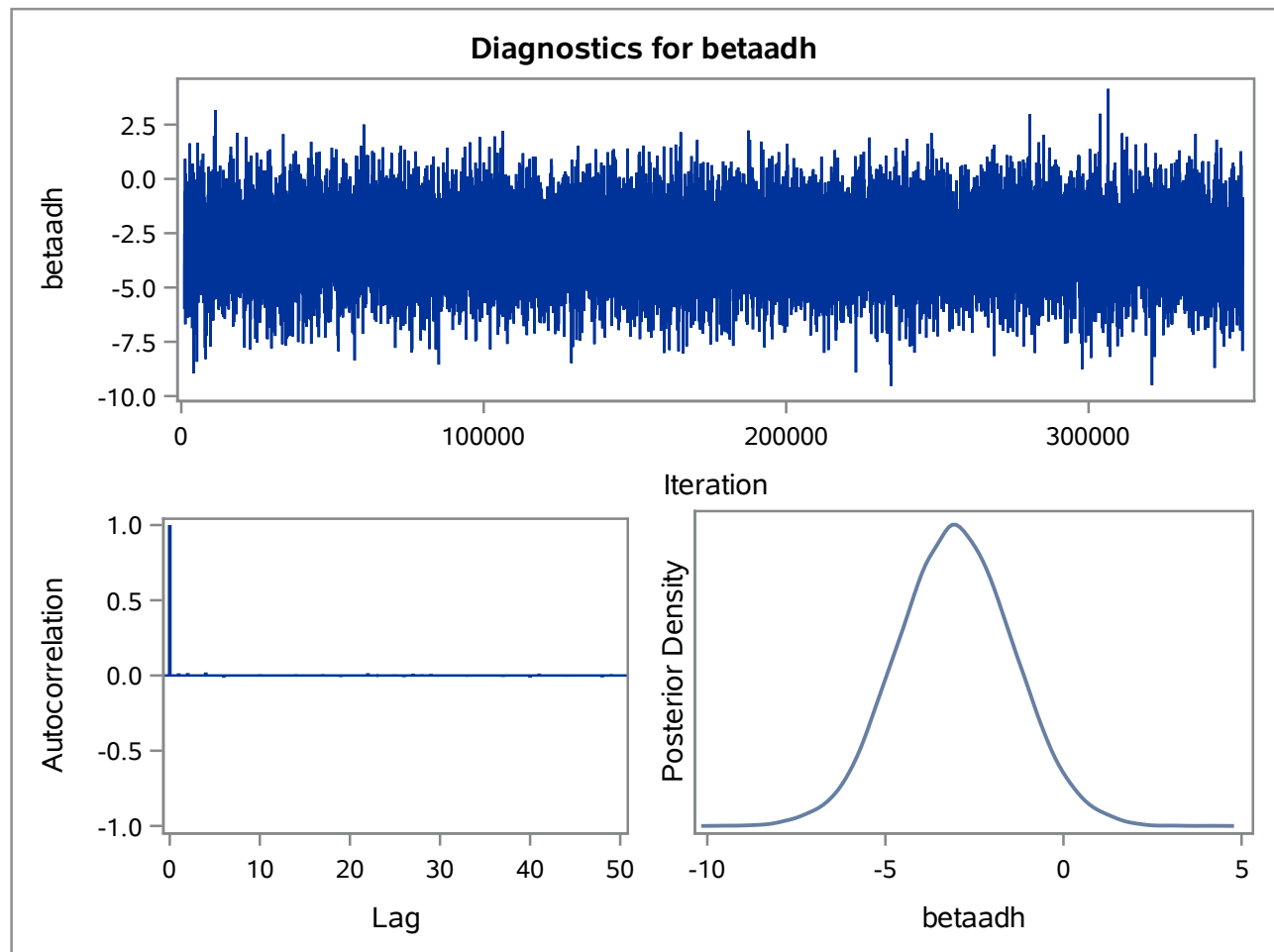
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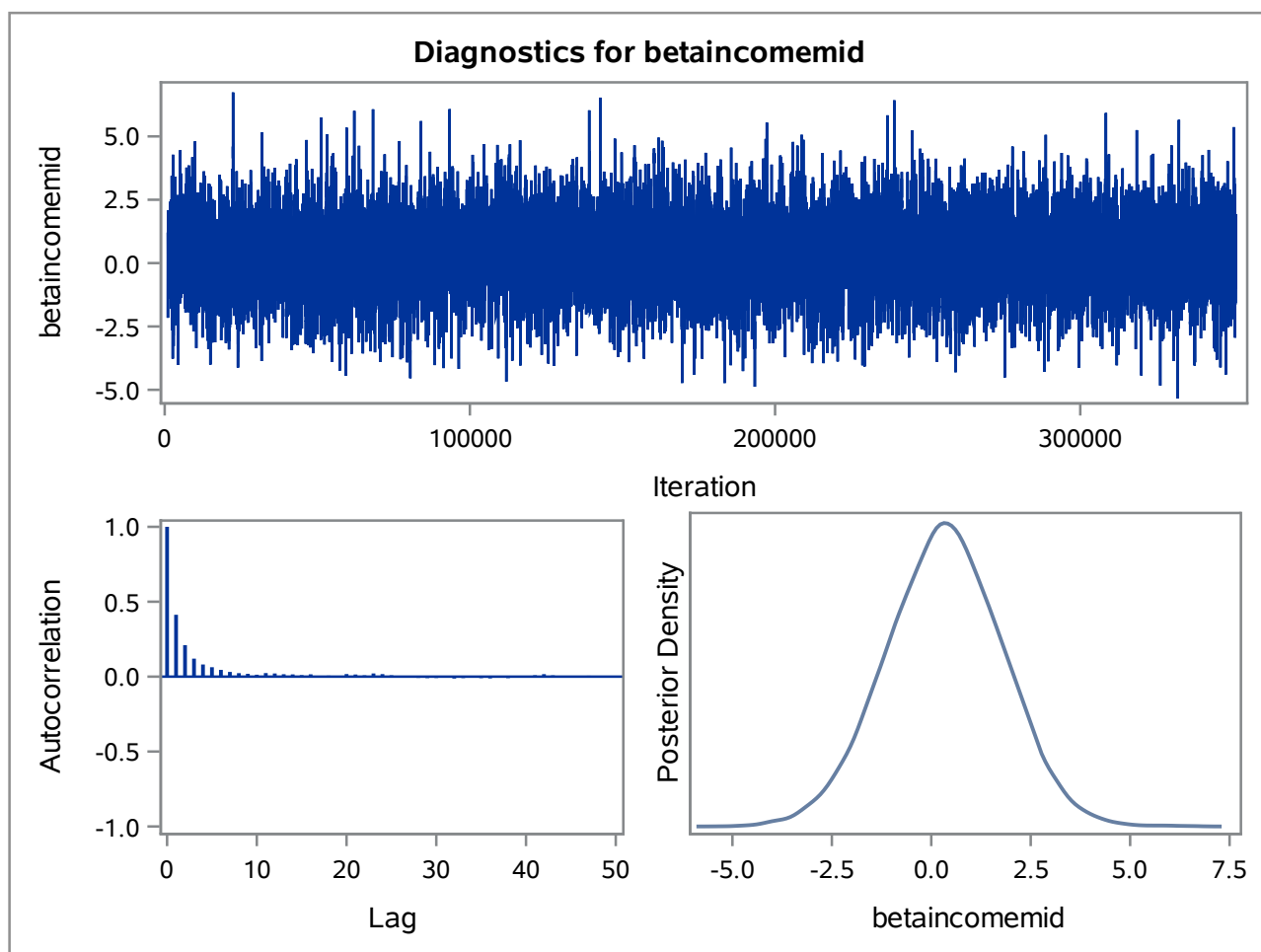
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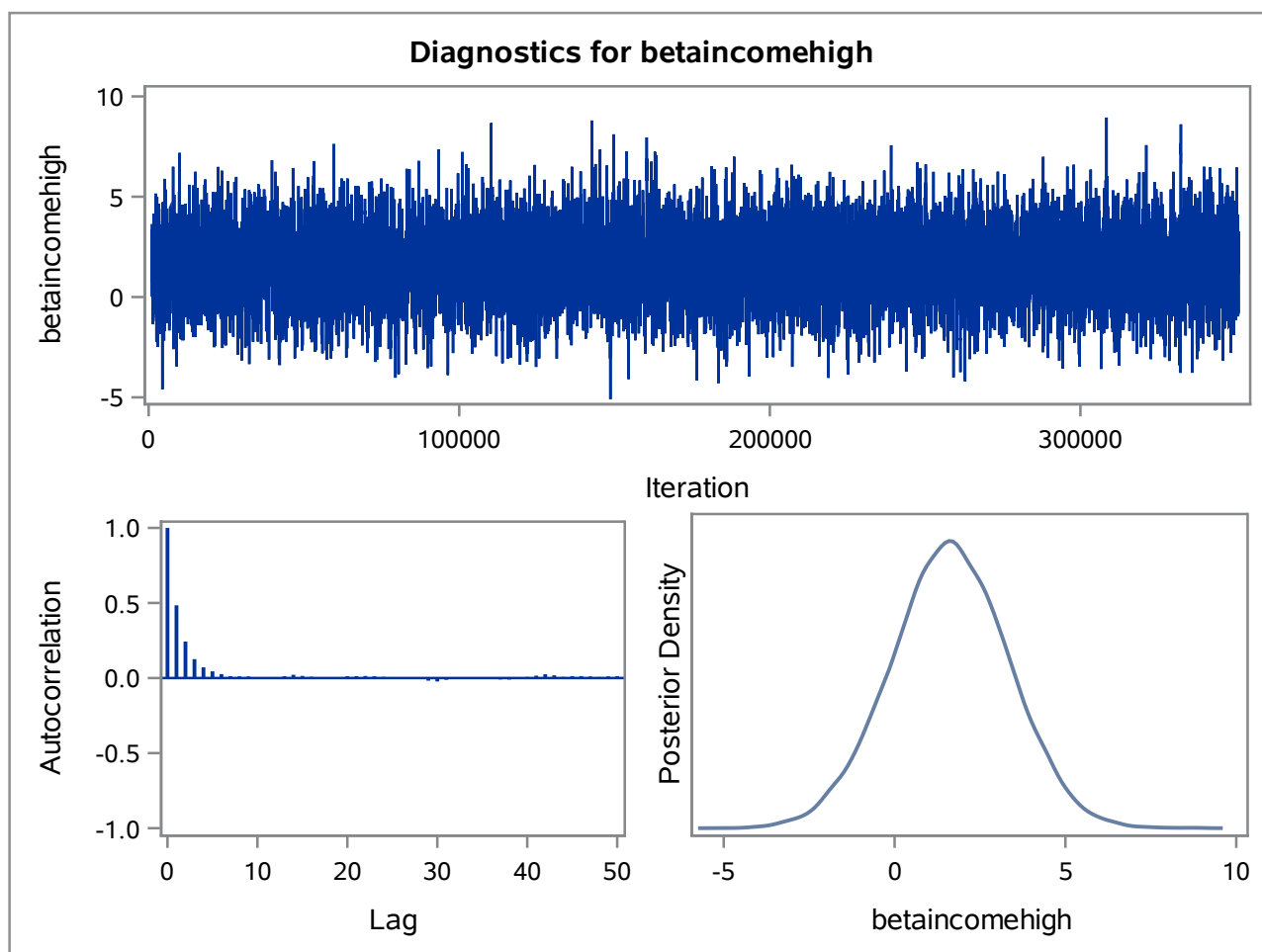
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