

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	betabase	N-Metropolis	0	normal(mean = 0, var = 100000)
3	betahash	N-Metropolis	0	normal(mean = 0, var = 100000)
4	betabmi	N-Metropolis	0	normal(mean = 0, var = 100000)
5	betasmoke	N-Metropolis	0	normal(mean = 0, var = 100000)
6	betadrink	N-Metropolis	0	normal(mean = 0, var = 100000)
7	betarace	N-Metropolis	0	normal(mean = 0, var = 100000)
8	betaeduc	N-Metropolis	0	normal(mean = 0, var = 100000)
9	betaage	N-Metropolis	0	normal(mean = 0, var = 100000)
10	betaadh	N-Metropolis	0	normal(mean = 0, var = 100000)
11	betaincomemid	N-Metropolis	0	normal(mean = 0, var = 100000)
	betaincomehigh		0	normal(mean = 0, var = 100000)
12	sigma2	Conjugate	1.0000	igamma(shape = 2.001, scale = 1.001)

The MCMC Procedure

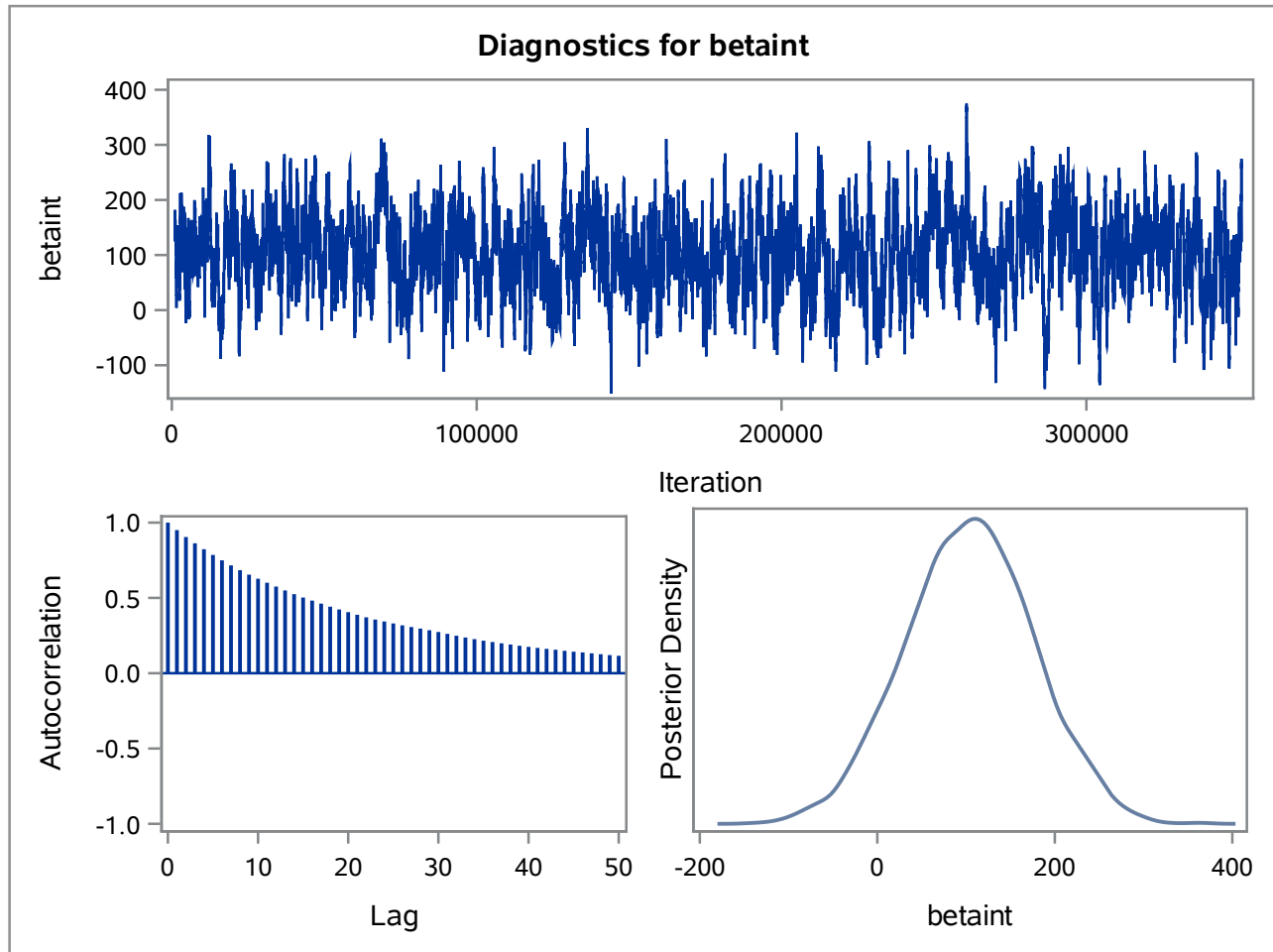
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	17500	103.9	72.3722	-35.9610	246.3
betabase	17500	-0.0577	0.0433	-0.1420	0.0279
betahash	17500	37.1478	17.1863	1.6525	68.9294
betabmi	17500	4.8076	2.0952	0.6652	8.8141
betasmoke	17500	-17.7960	18.8417	-53.5057	20.1261
betadrink	17500	-1.1151	31.5812	-63.3844	60.1253
betarace	17500	-25.2036	20.3857	-64.8505	15.1656
betaeduc	17500	30.5041	25.1862	-18.6494	80.2096
betaage	17500	-0.8691	0.9741	-2.7926	0.9804
betaadh	17500	-37.0926	27.7685	-91.2956	17.2178
betaincomemid	17500	2.5950	25.3124	-48.6946	50.9036
betaincomehigh	17500	-50.7537	29.3162	-107.5	7.2820
sigma2	17500	28915.8	2028.7	24861.1	32781.9

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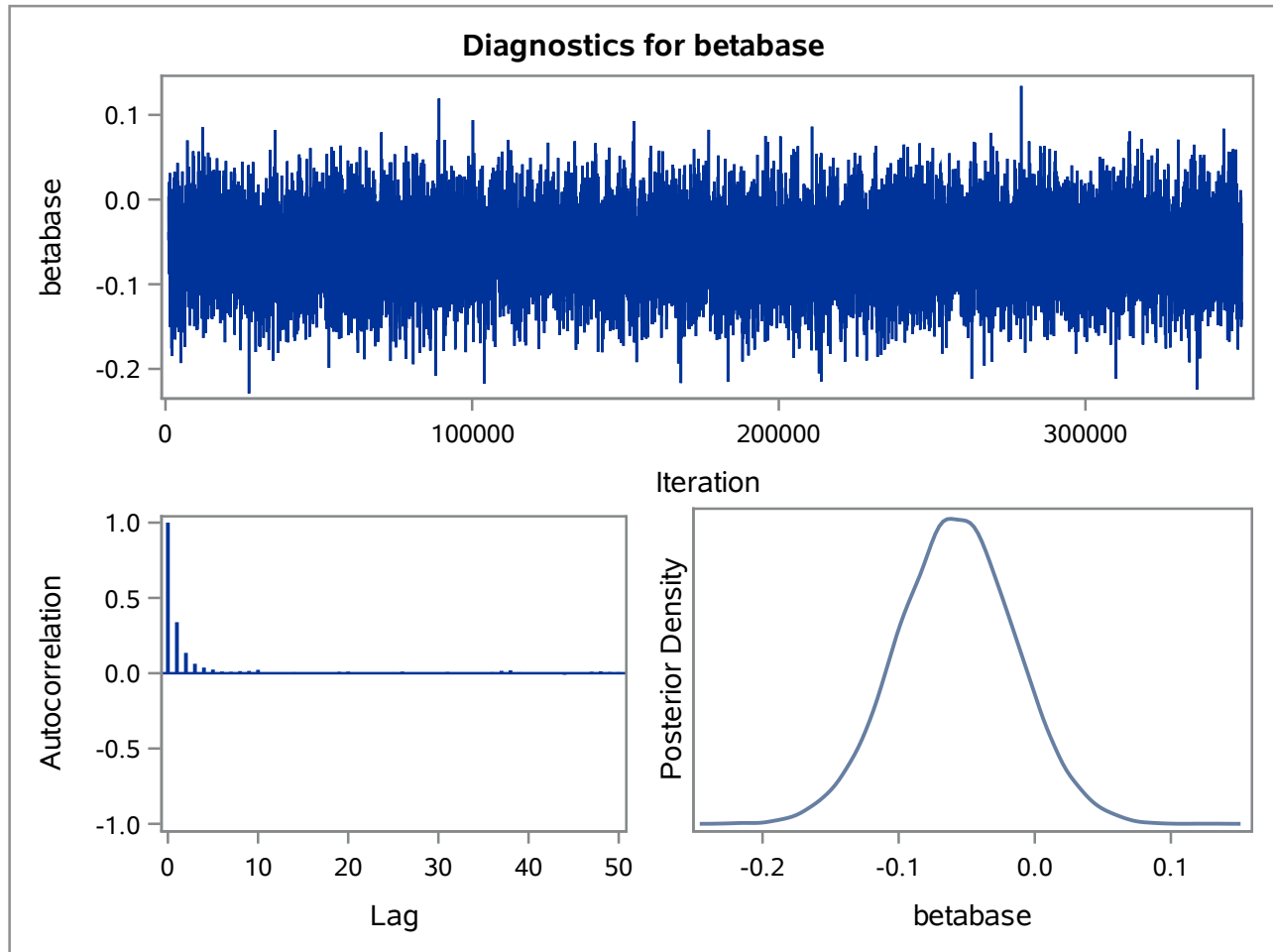
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	391.5	44.6976	0.0224
betabase	7883.5	2.2198	0.4505
betahash	13343.7	1.3115	0.7625
betabmi	633.8	27.6099	0.0362
betasmoke	4585.2	3.8166	0.2620
betadrink	17047.7	1.0265	0.9742
betarace	6456.5	2.7104	0.3689
betaeduc	4937.2	3.5445	0.2821
betaage	890.8	19.6453	0.0509
betaadh	15635.0	1.1193	0.8934
betaincomemid	5349.2	3.2715	0.3057
betaincomehigh	5409.6	3.2350	0.3091
sigma2	17461.5	1.0022	0.9978

Deviance Information Criterion	
Dbar (posterior mean of deviance)	5430.650
Dmean (deviance evaluated at posterior mean)	5417.682
pD (effective number of parameters)	12.967
DIC (smaller is better)	5443.617

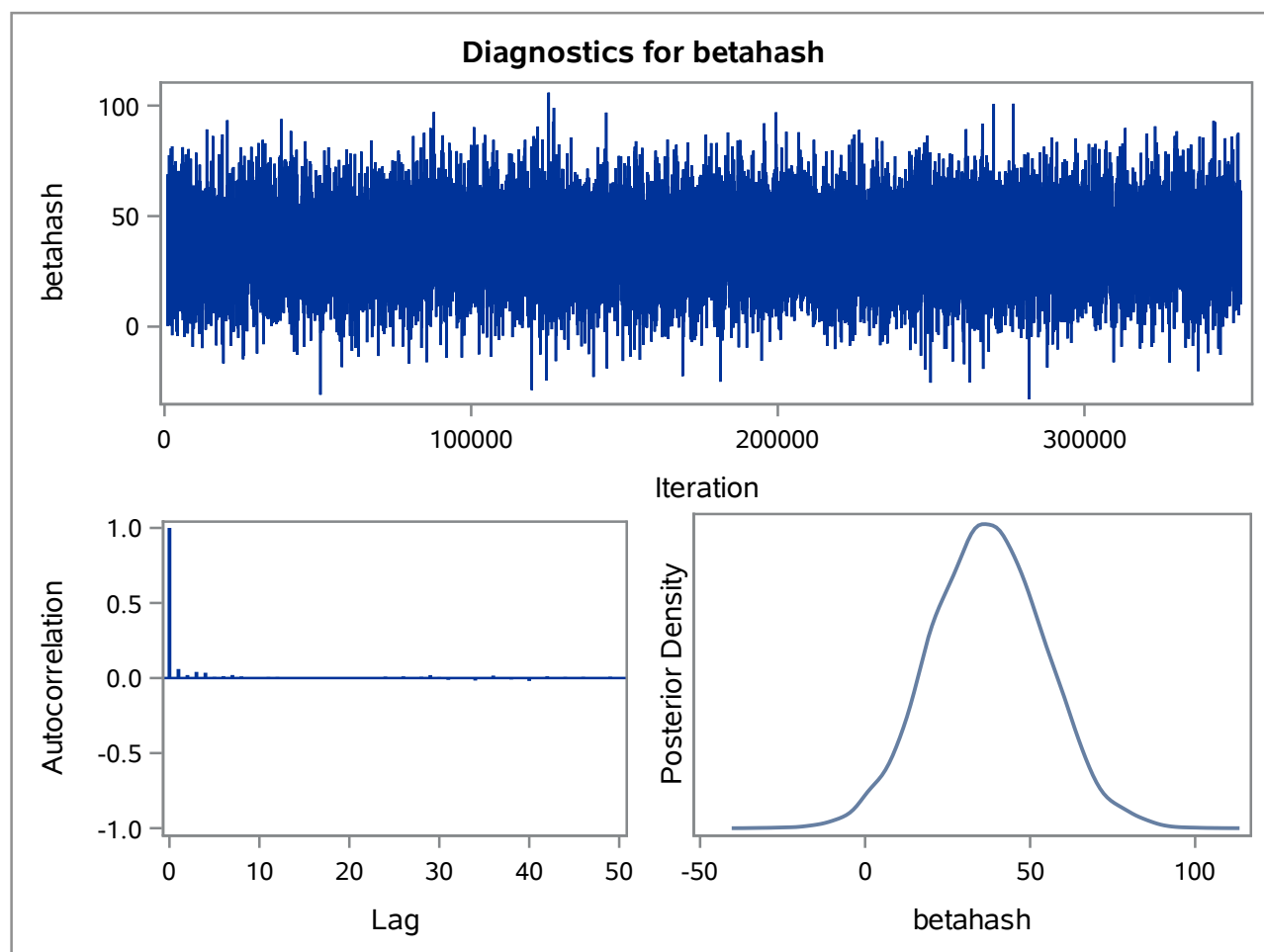
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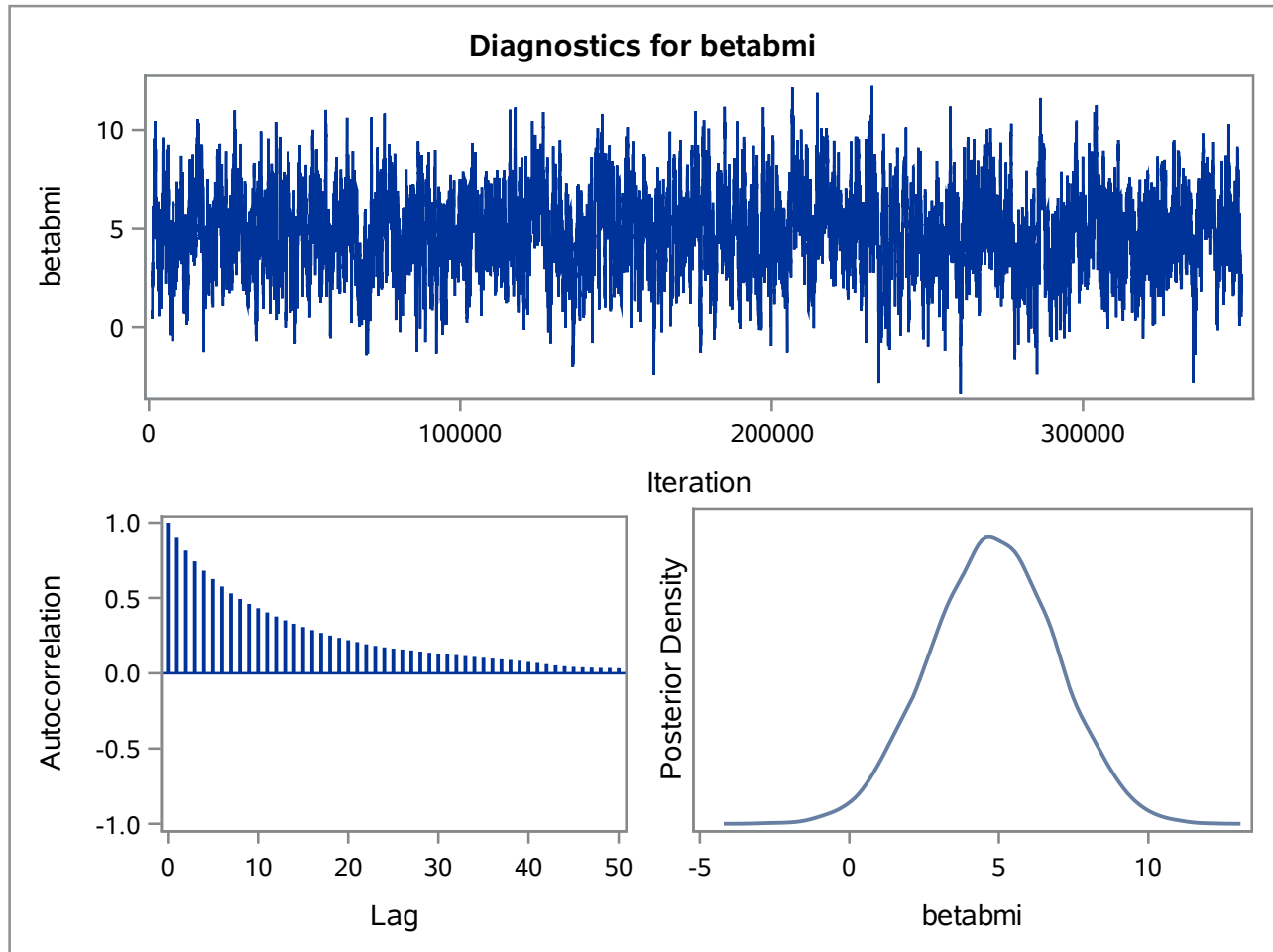
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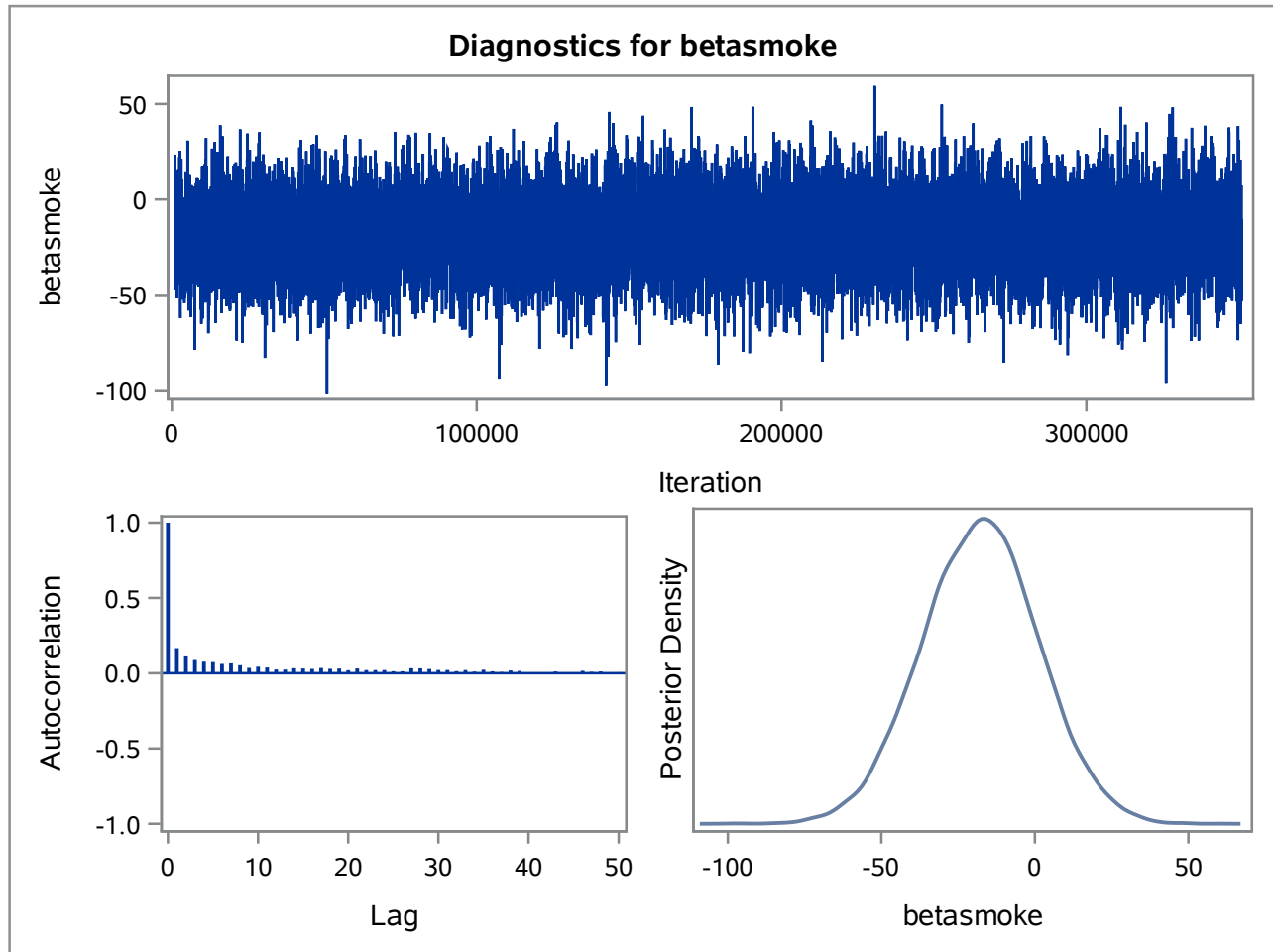
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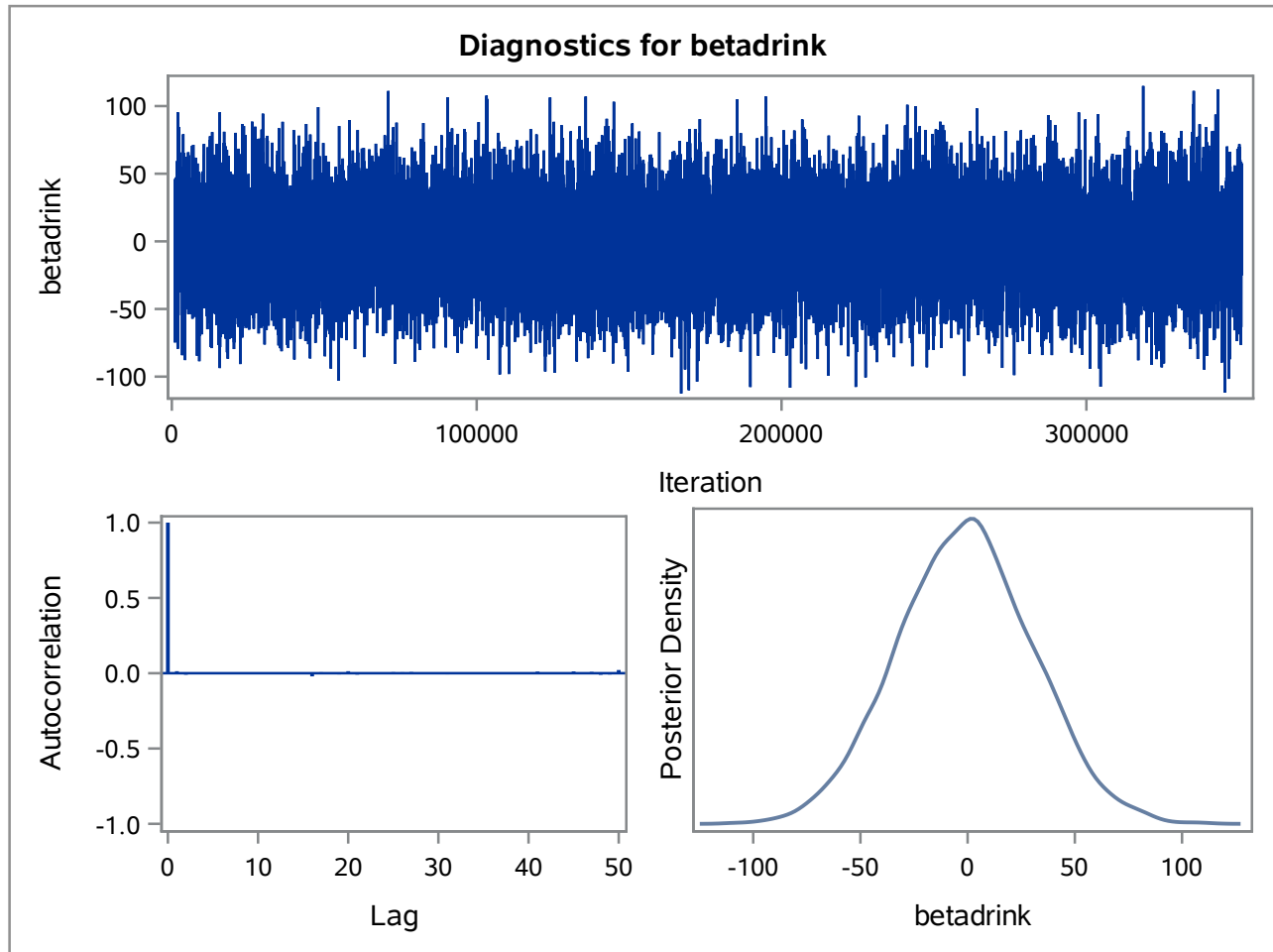
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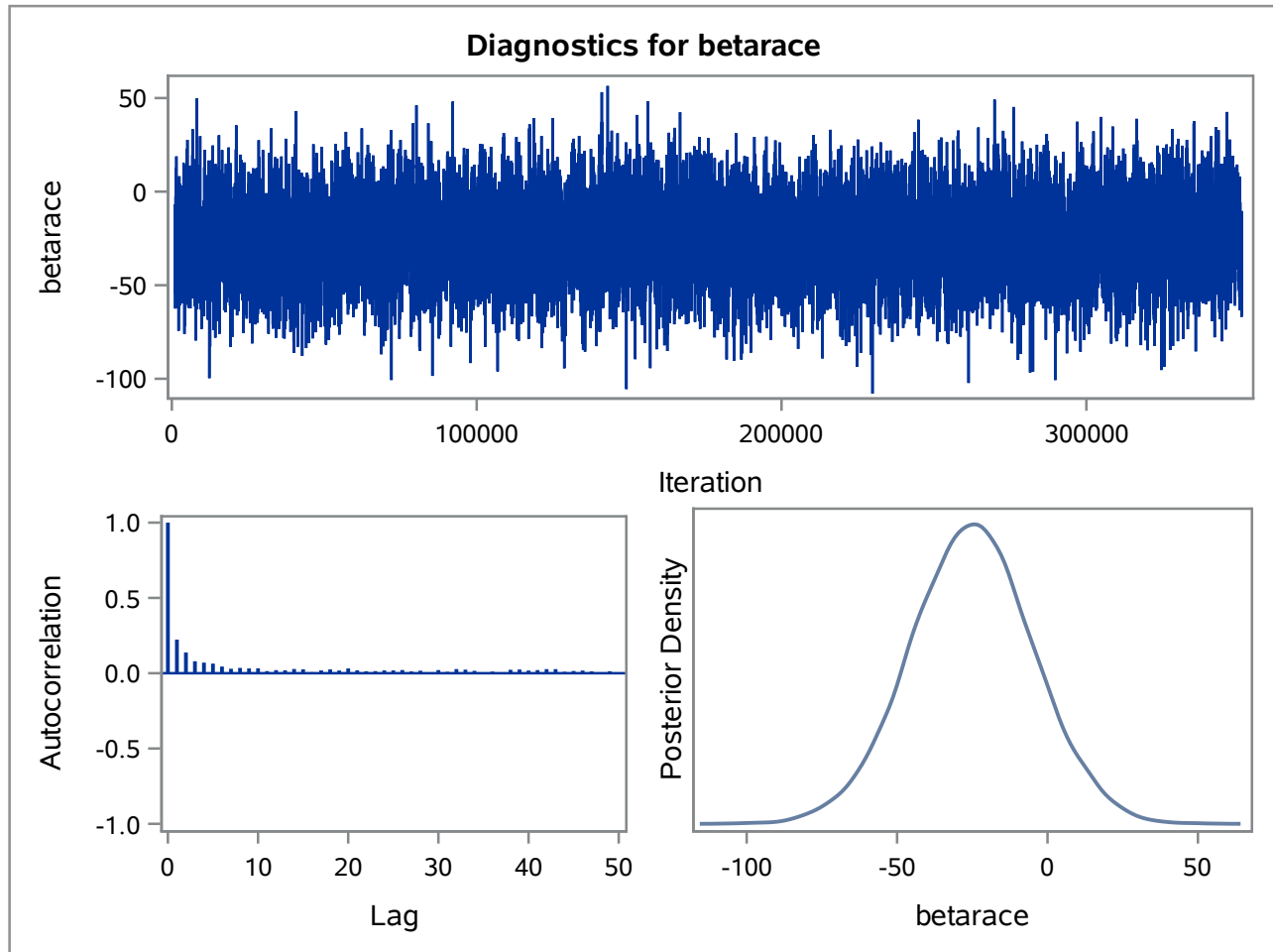
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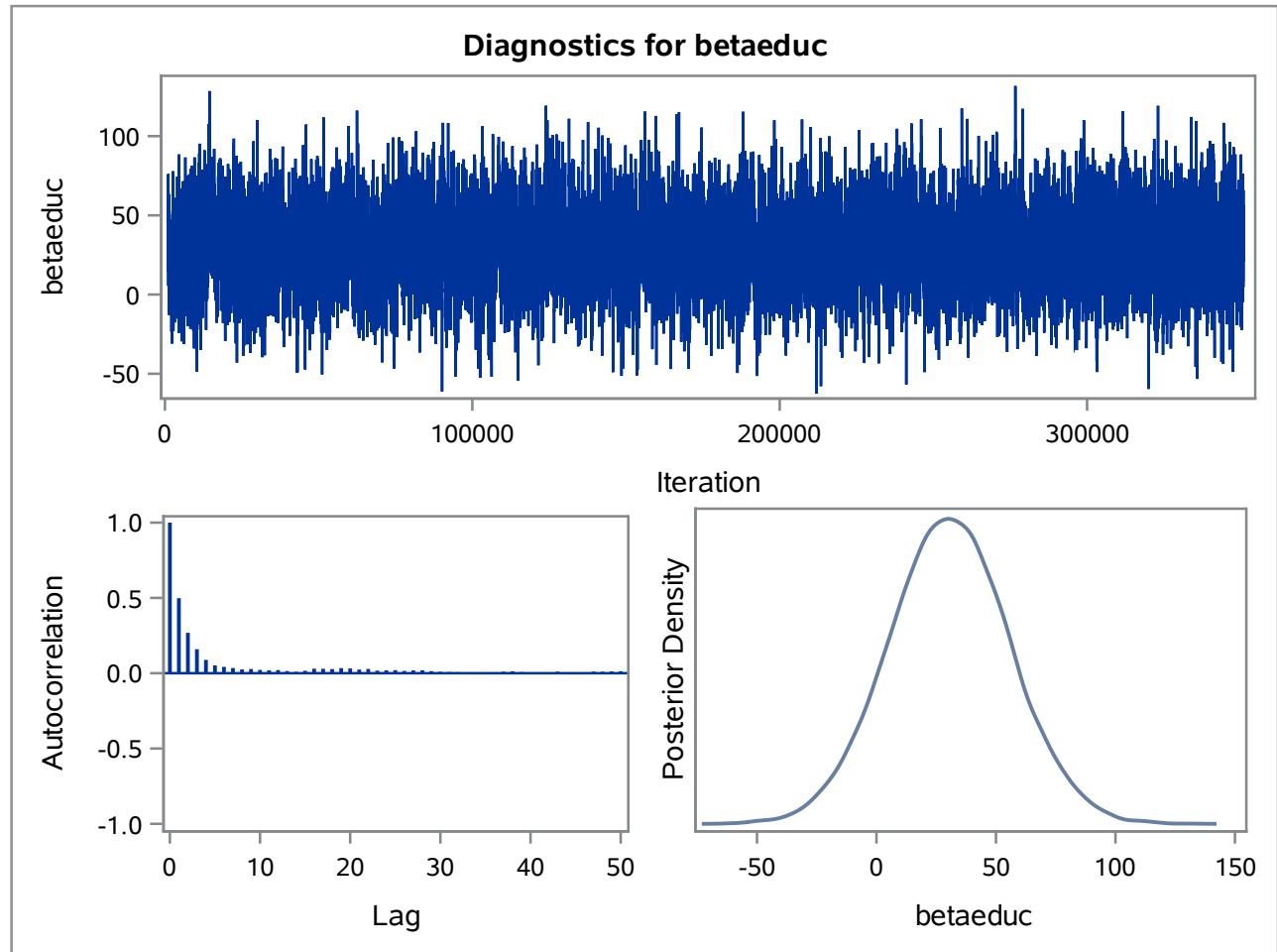
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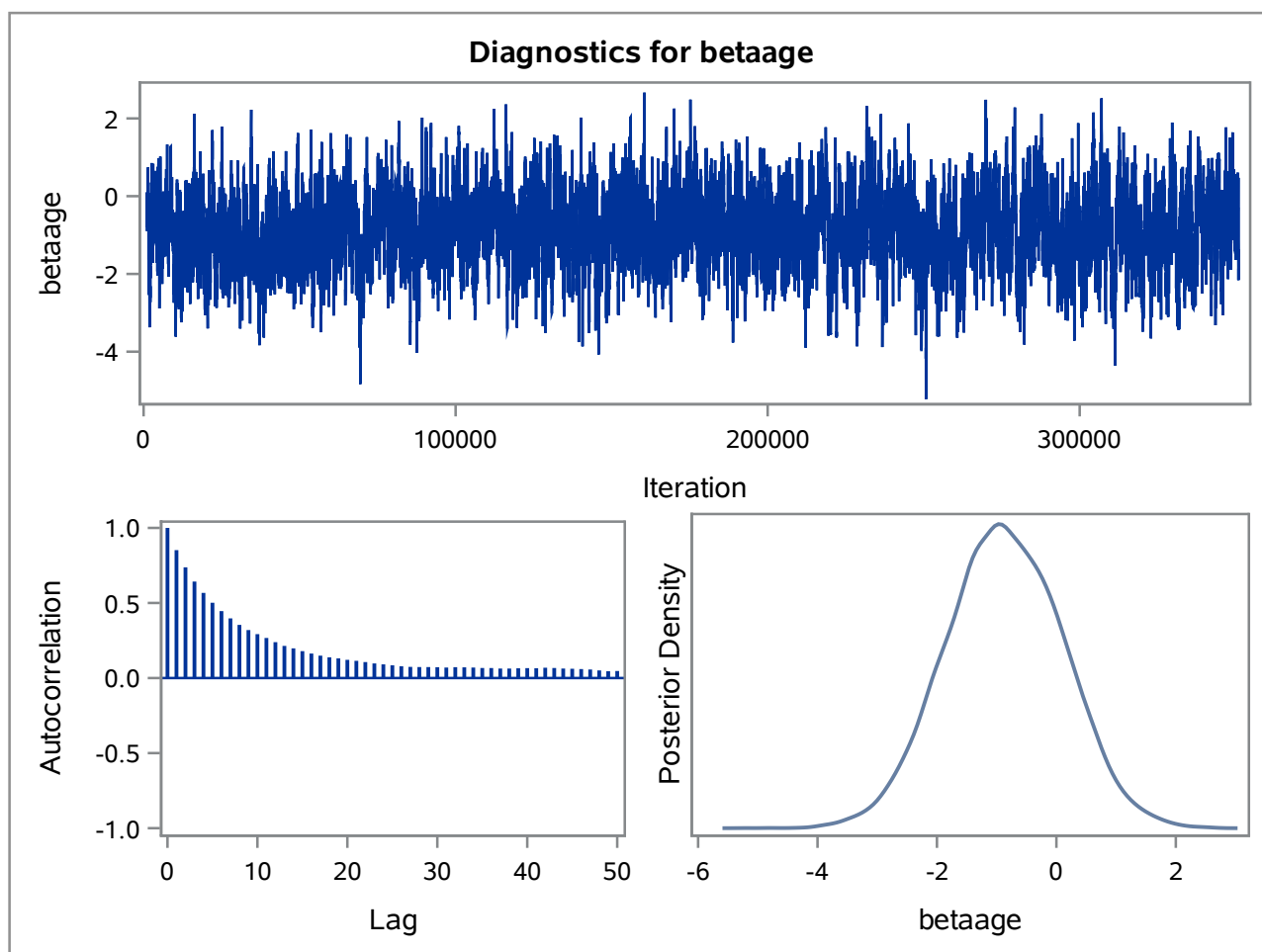
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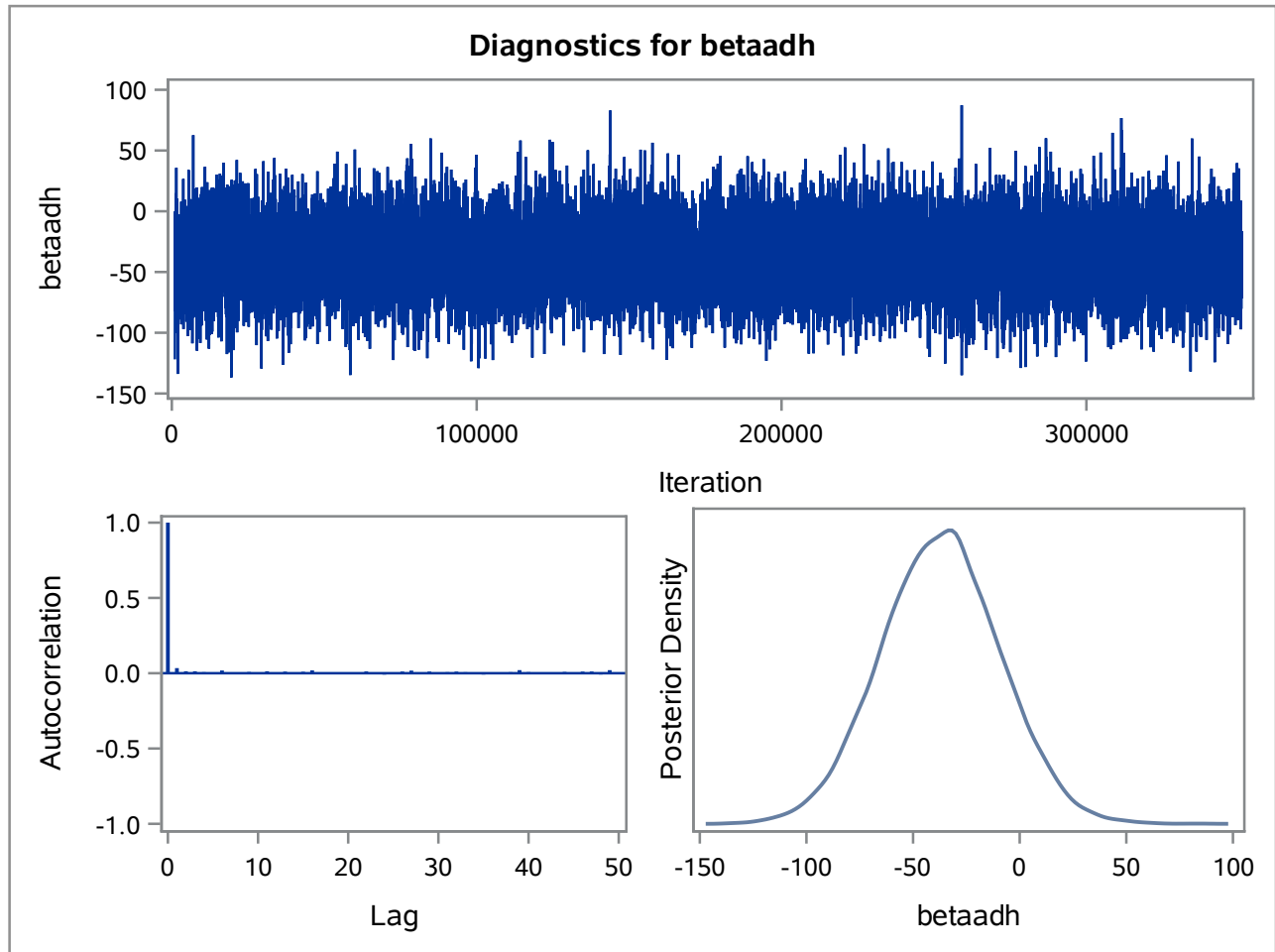
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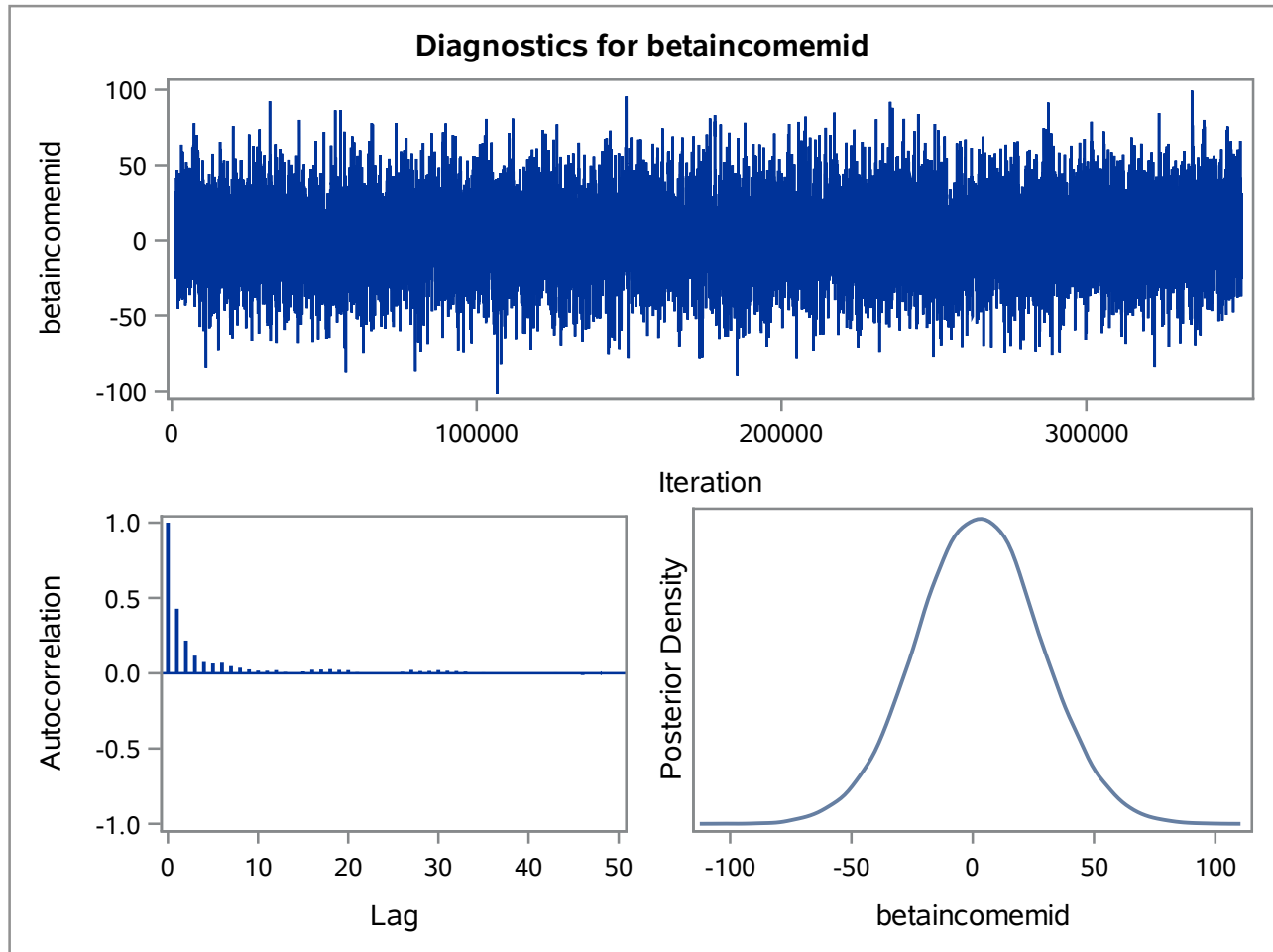
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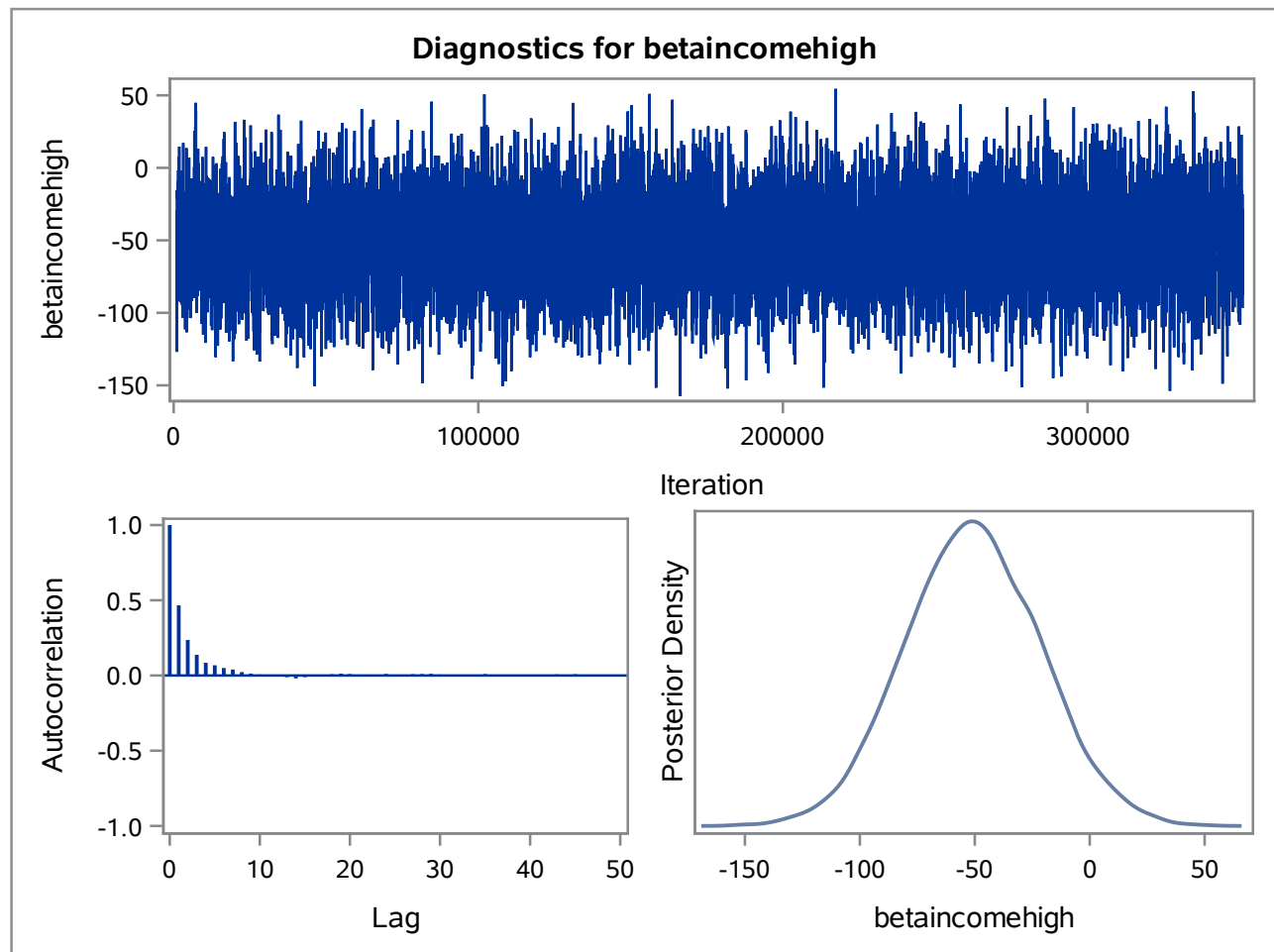
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