

## 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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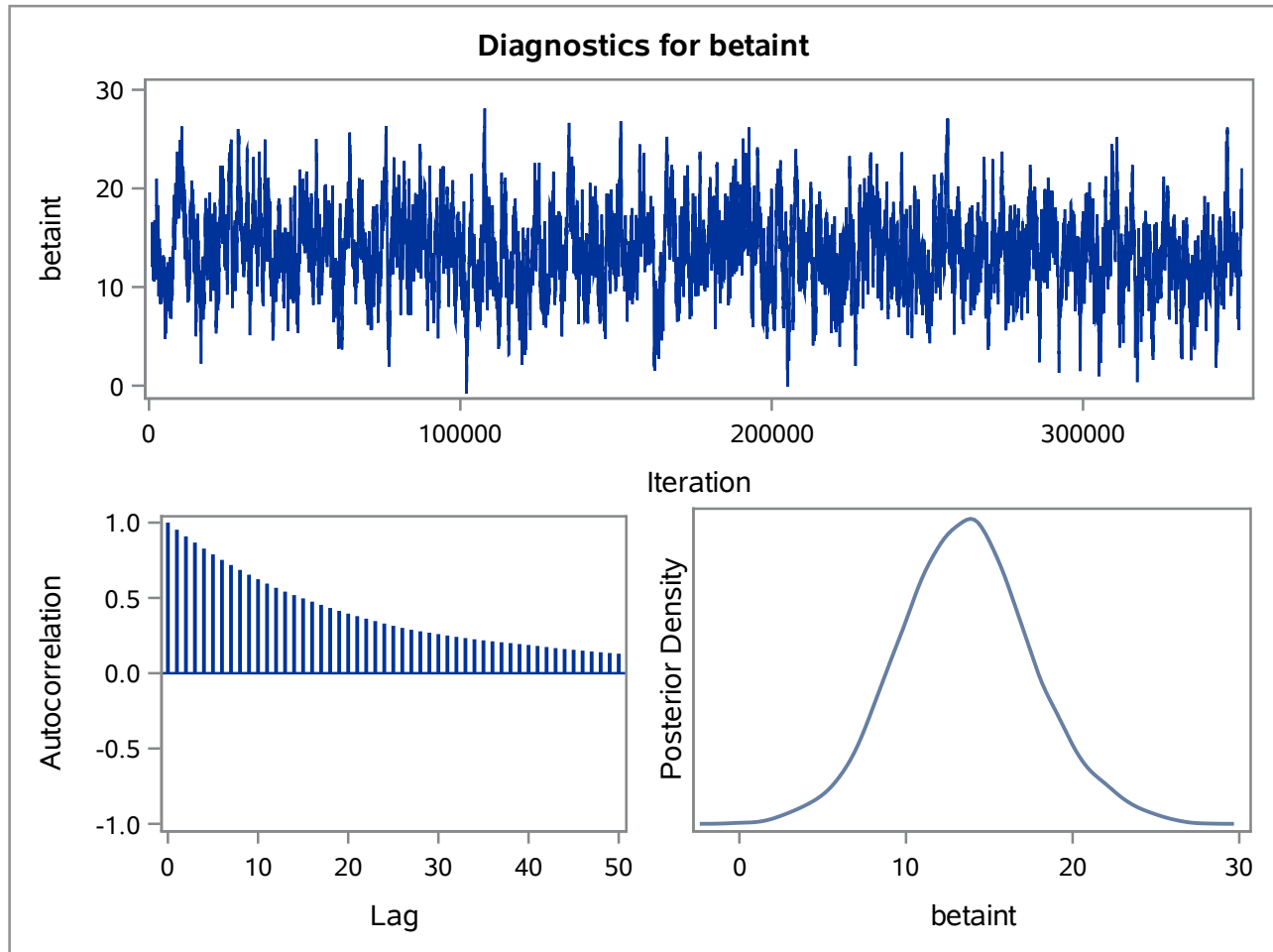
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	17500	13.5911	4.0379	5.8133	21.9577
betabase	17500	-0.3347	0.0482	-0.4287	-0.2391
betahash	17500	0.8063	0.7951	-0.7375	2.3965
betabmi	17500	0.1474	0.0925	-0.0343	0.3265
betasmoke	17500	-1.1412	0.8586	-2.8324	0.5284
betadrink	17500	-0.9375	1.4187	-3.7986	1.7310
betarace	17500	1.2103	0.9230	-0.5930	3.0131
betaeduc	17500	0.9118	1.1287	-1.2811	3.1527
betaage	17500	-0.1180	0.0454	-0.2090	-0.0308
betaadh	17500	-1.0832	1.2633	-3.4518	1.4703
betaincomemid	17500	2.6205	1.1635	0.3535	4.8810
betaincomehigh	17500	3.4907	1.3690	0.7934	6.1487
sigma2	17500	59.7878	4.1957	51.9560	68.2208

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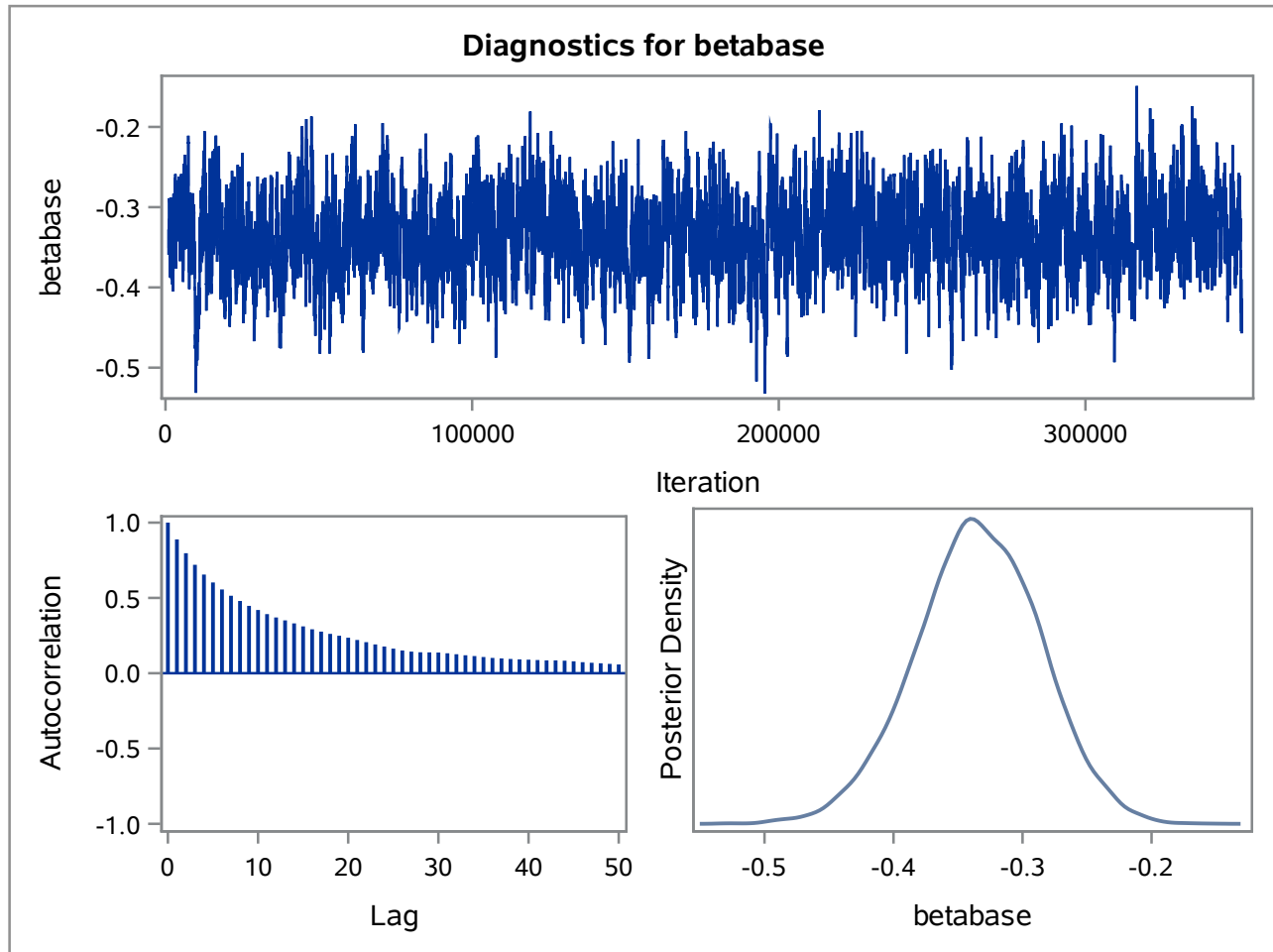
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	385.1	45.4469	0.0220
betabase	611.1	28.6376	0.0349
betahash	14758.9	1.1857	0.8434
betabmi	794.7	22.0197	0.0454
betasmoke	7241.2	2.4167	0.4138
betadrink	17500.0	1.0000	1.0000
betarace	6188.8	2.8277	0.3536
betaeduc	5565.0	3.1446	0.3180
betaage	935.0	18.7167	0.0534
betaadh	15955.4	1.0968	0.9117
betaincomemid	5549.9	3.1532	0.3171
betaincomehigh	4810.8	3.6377	0.2749
sigma2	17500.0	1.0000	1.0000

Deviance Information Criterion	
Dbar (posterior mean of deviance)	2871.852
Dmean (deviance evaluated at posterior mean)	2858.938
pD (effective number of parameters)	12.914
DIC (smaller is better)	2884.766

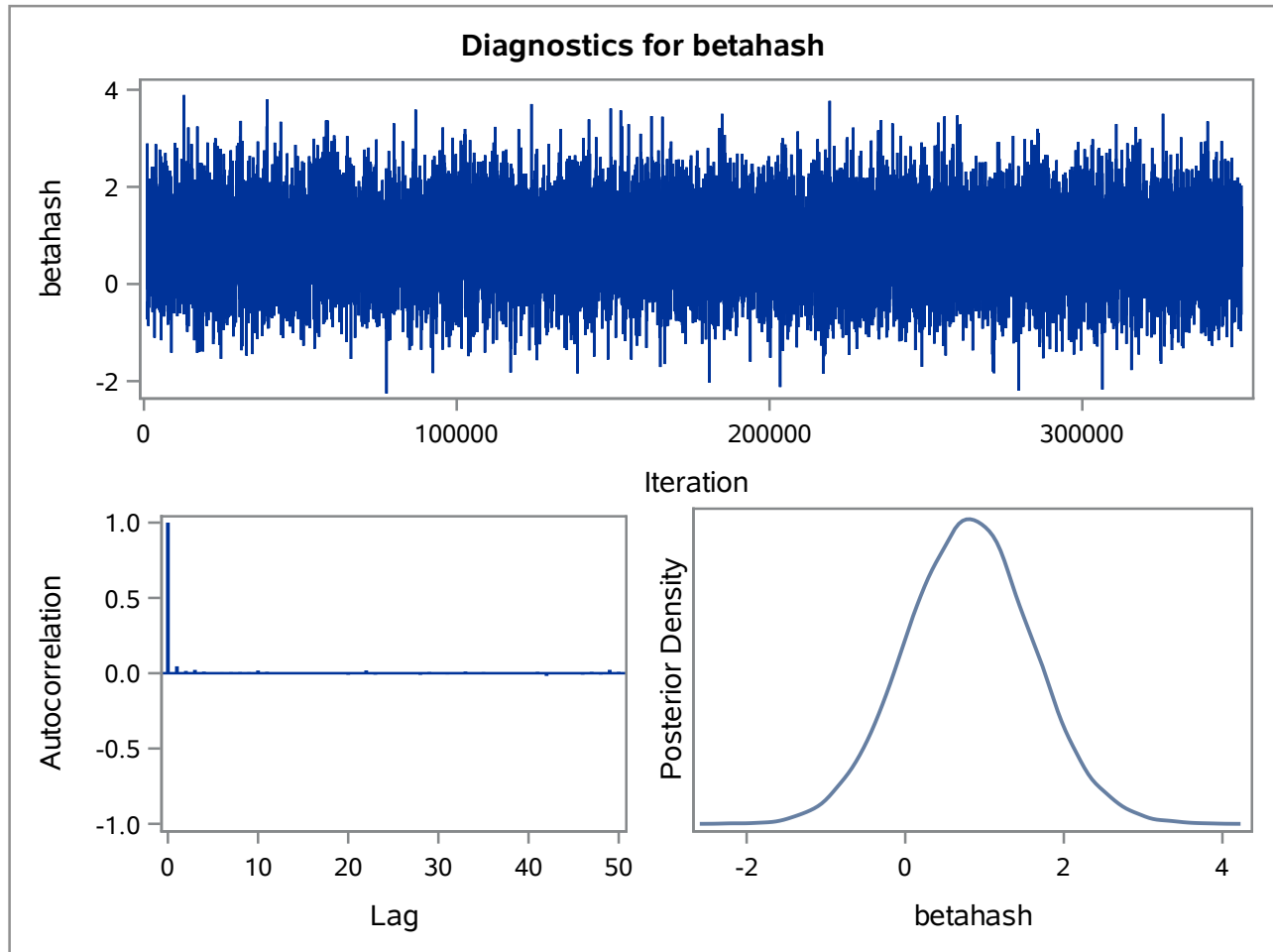
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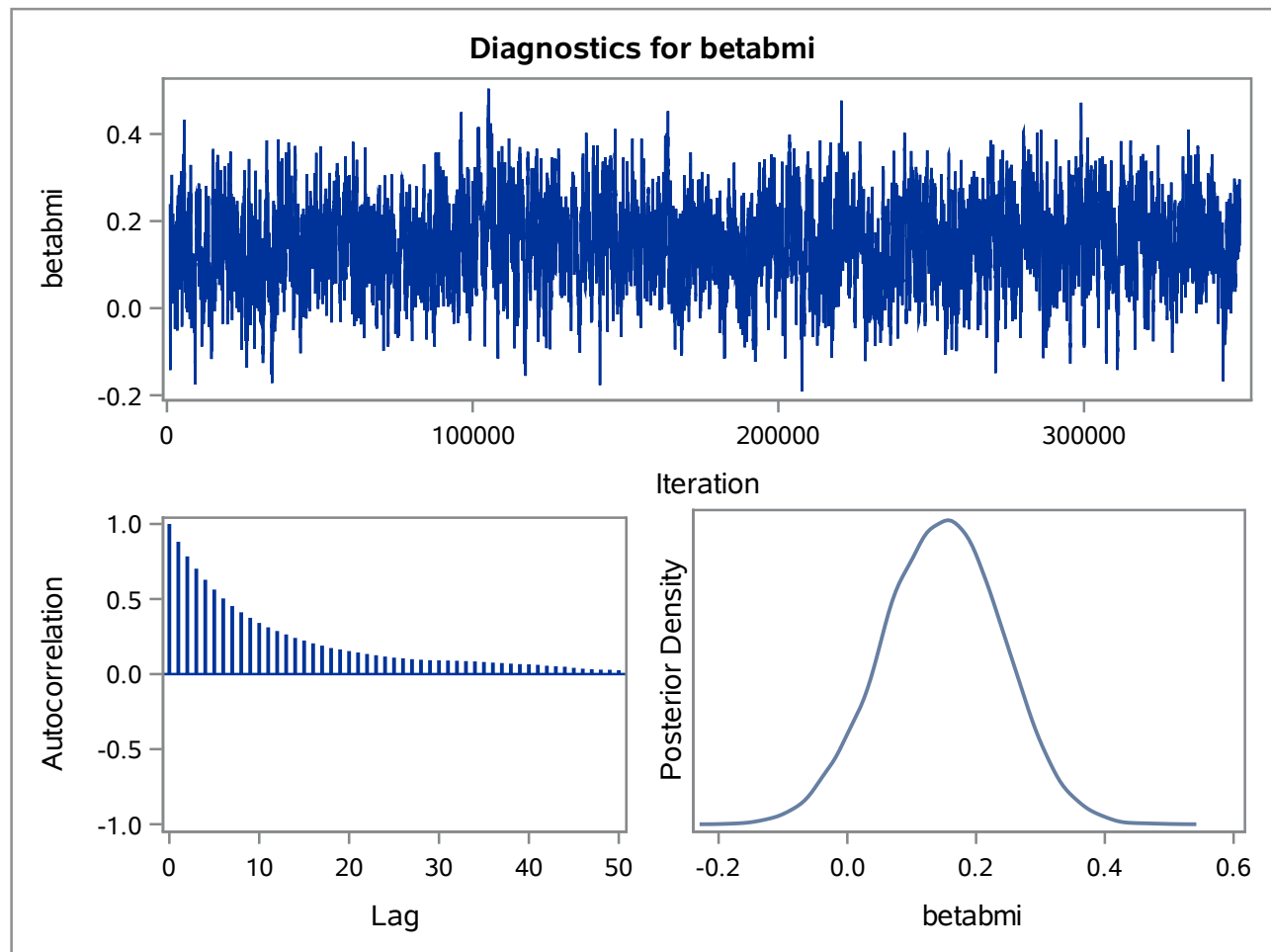
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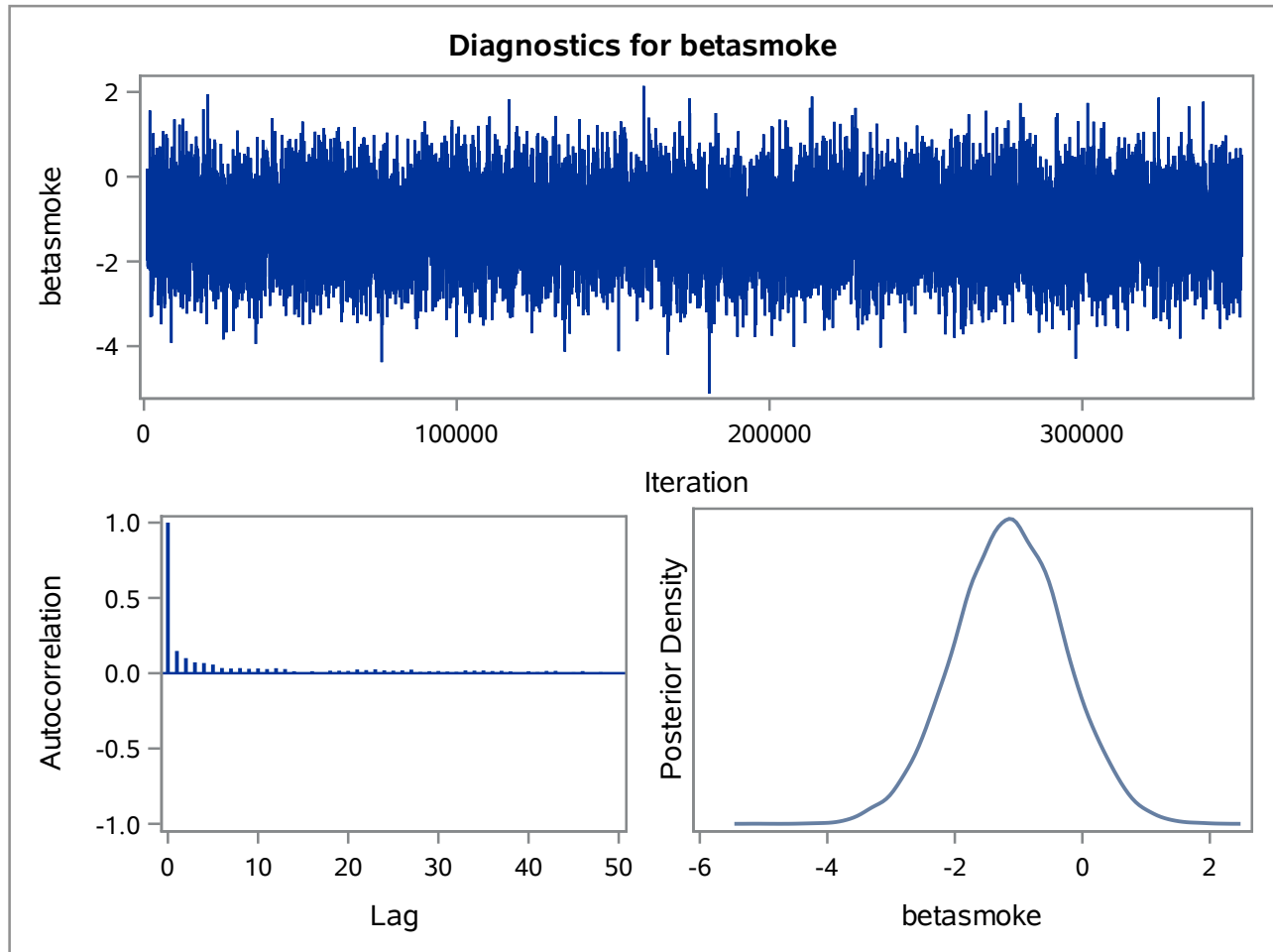
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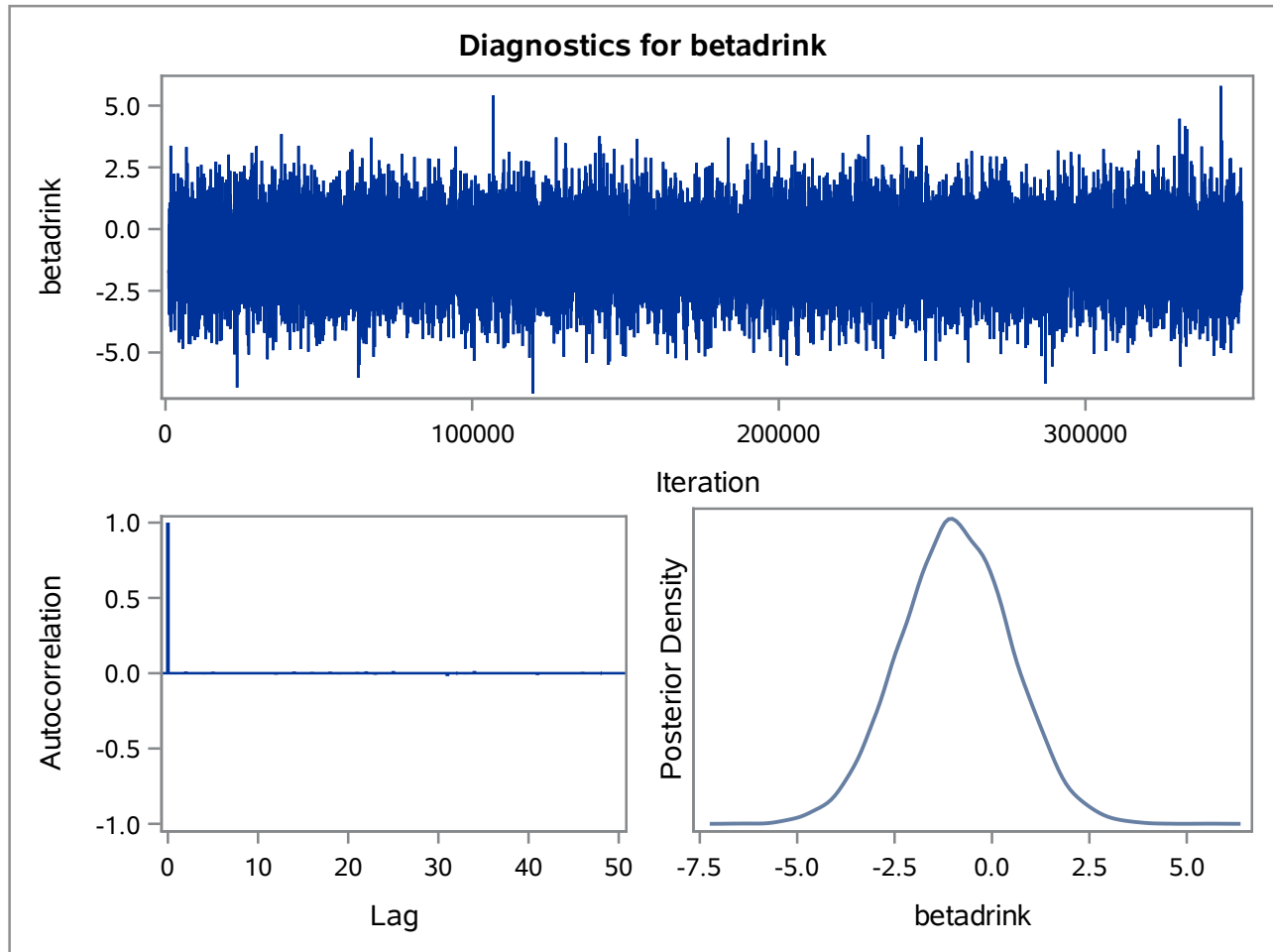


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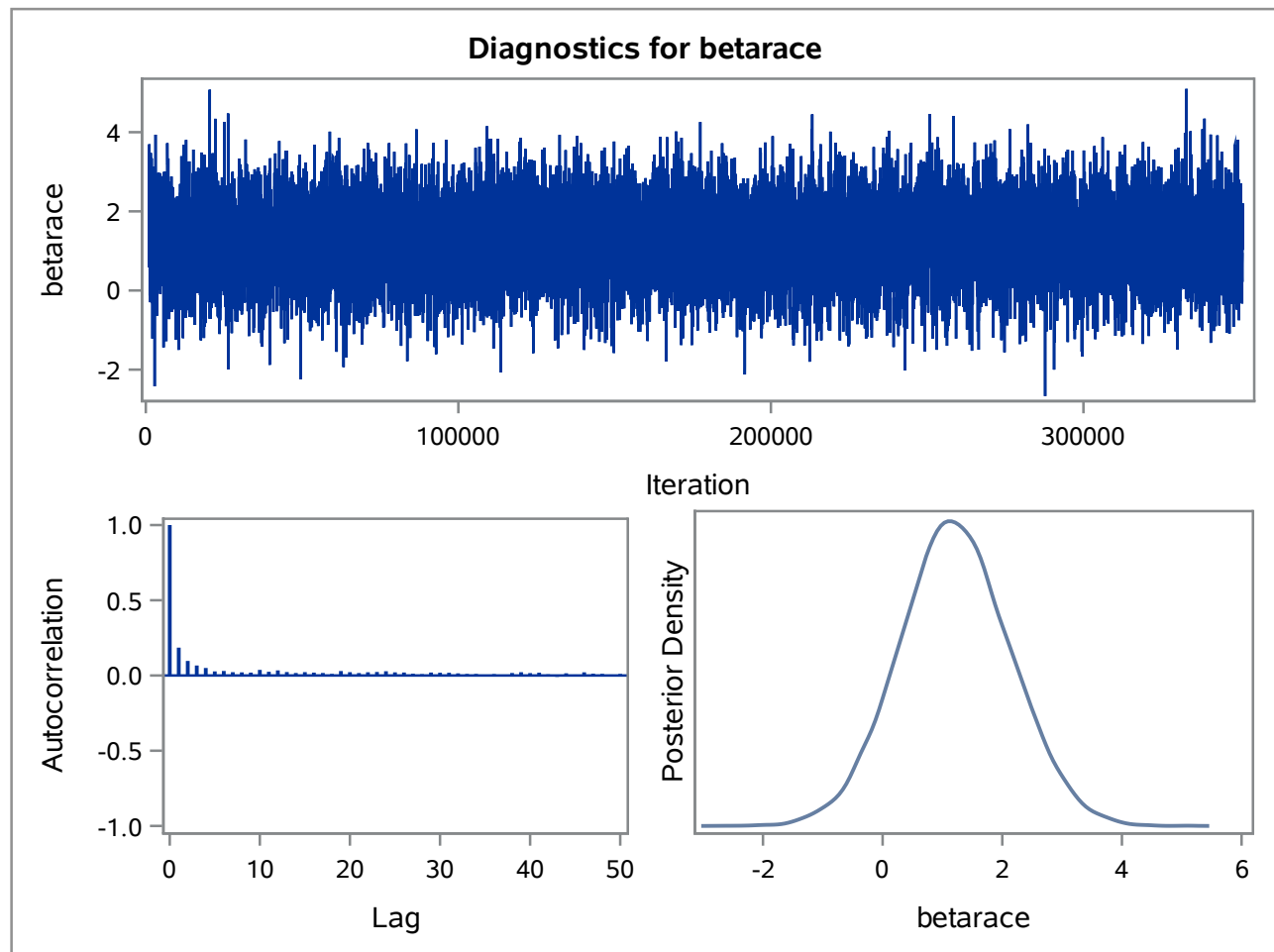




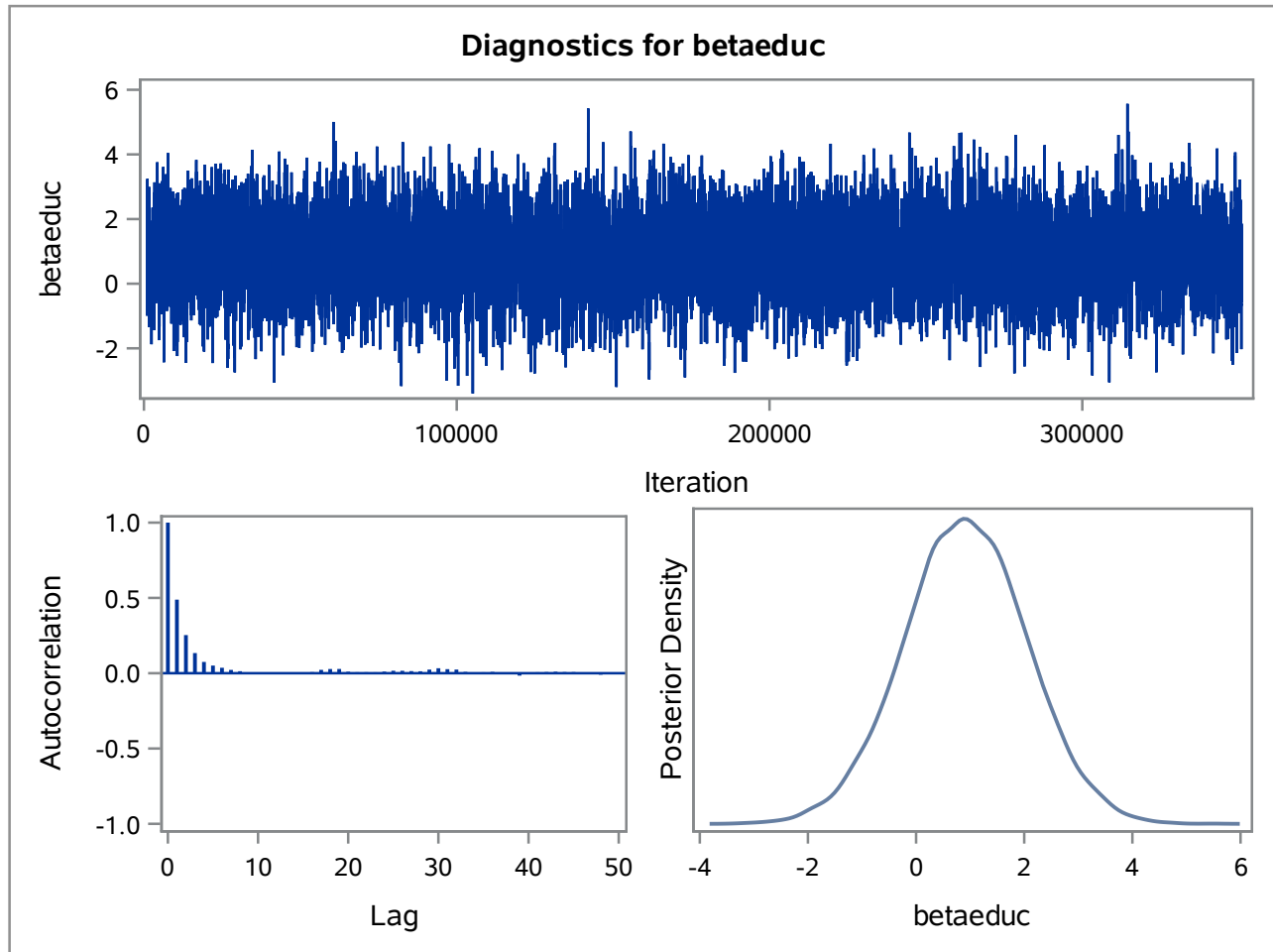
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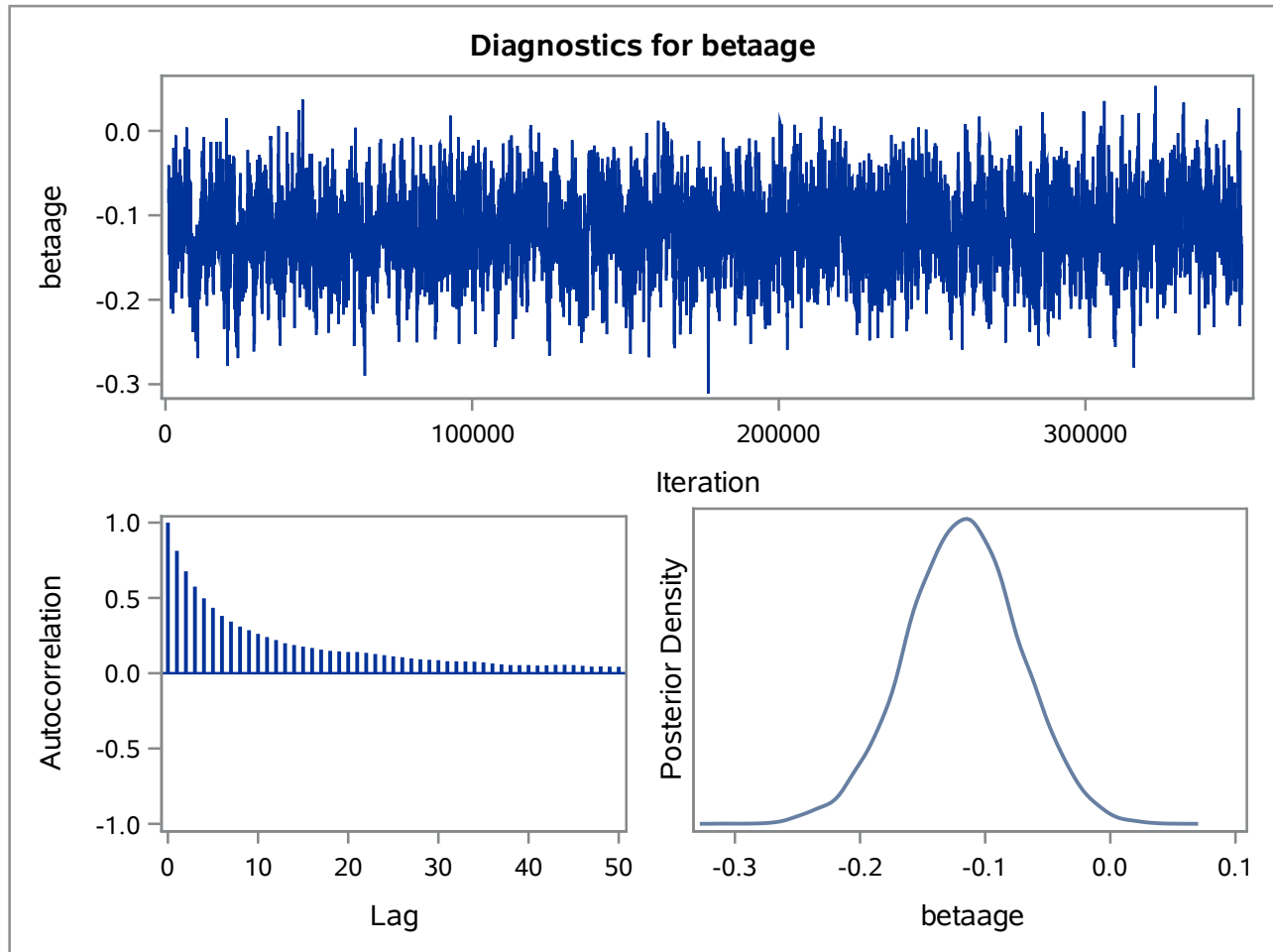
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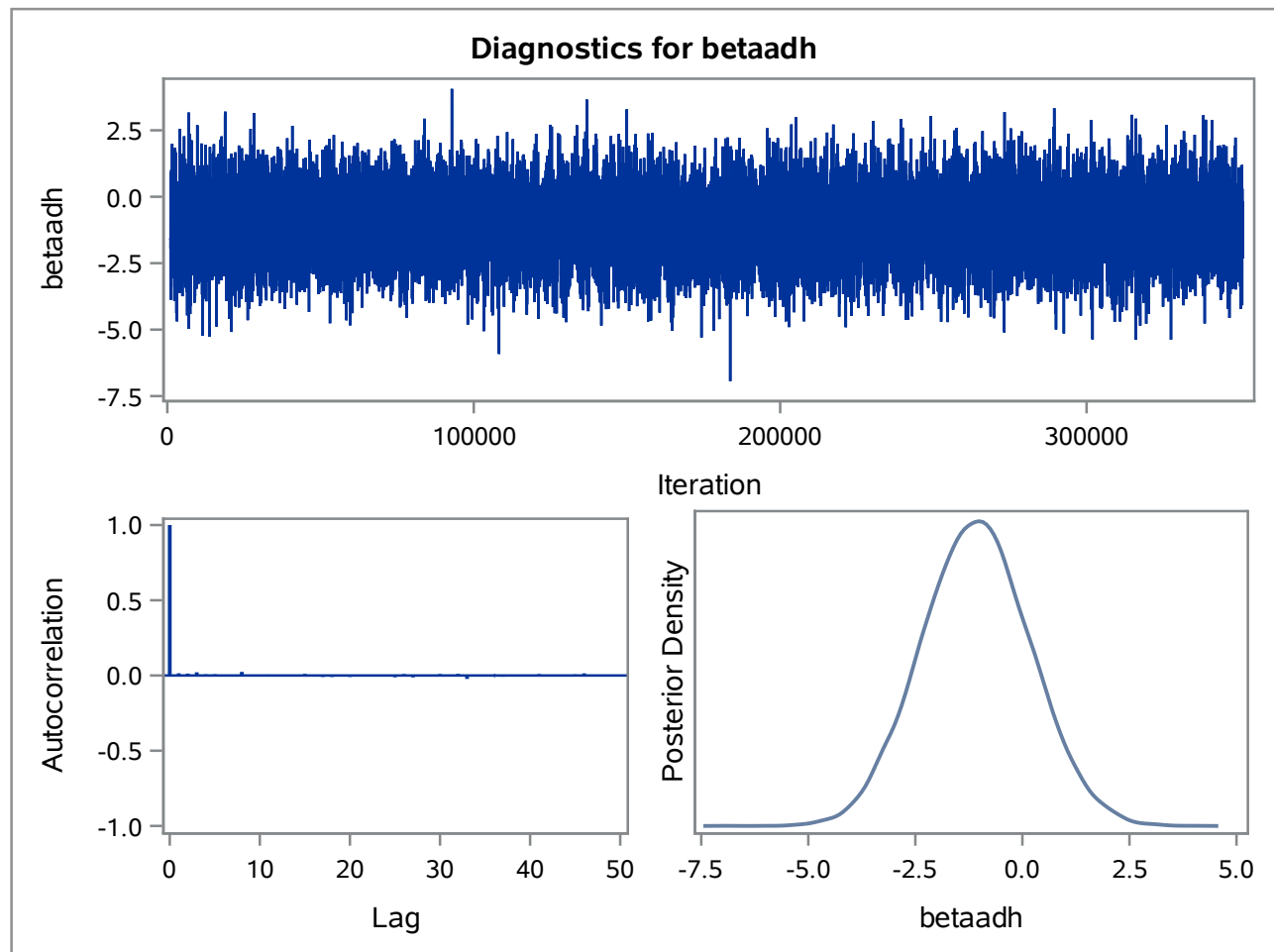
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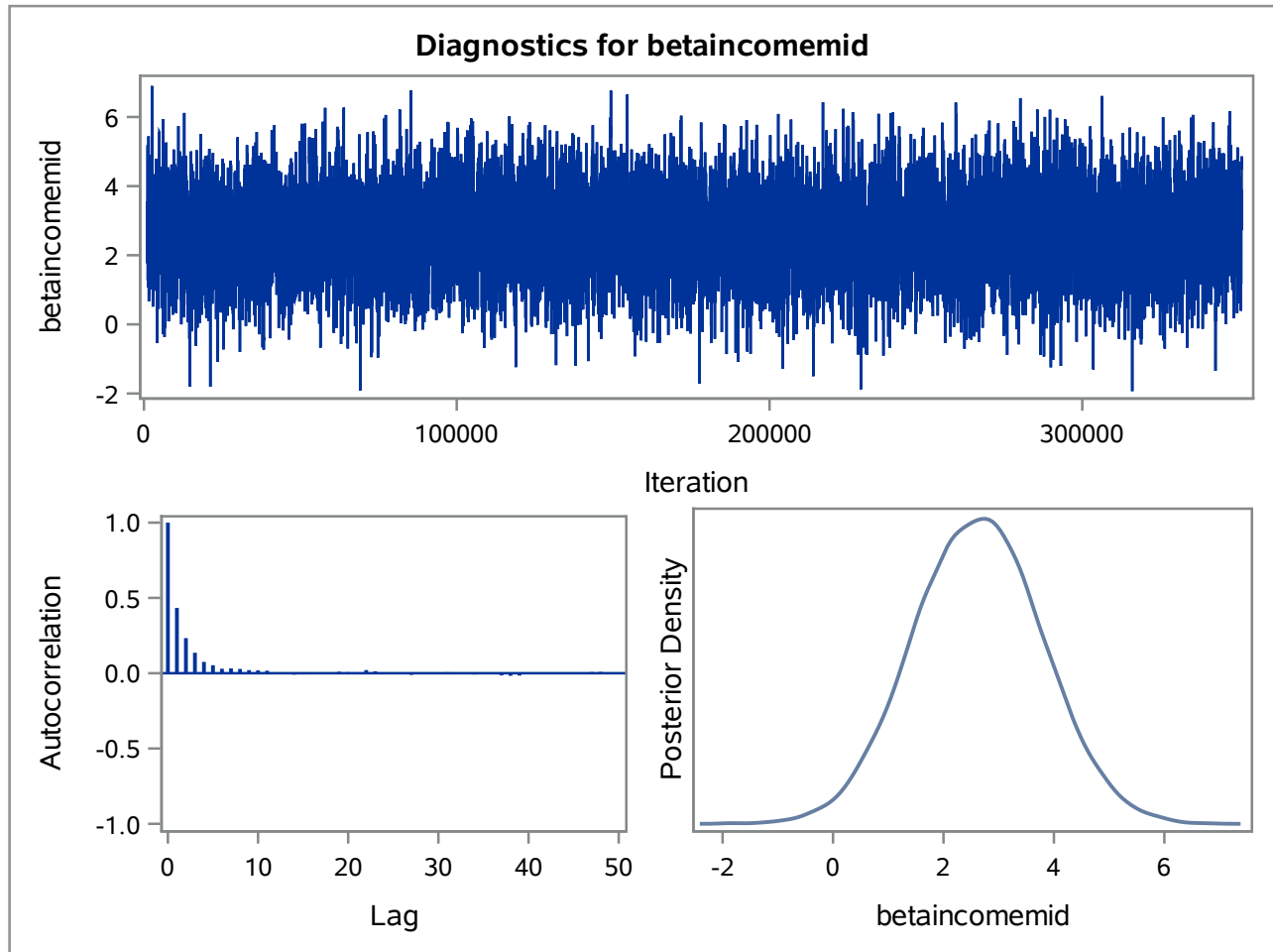
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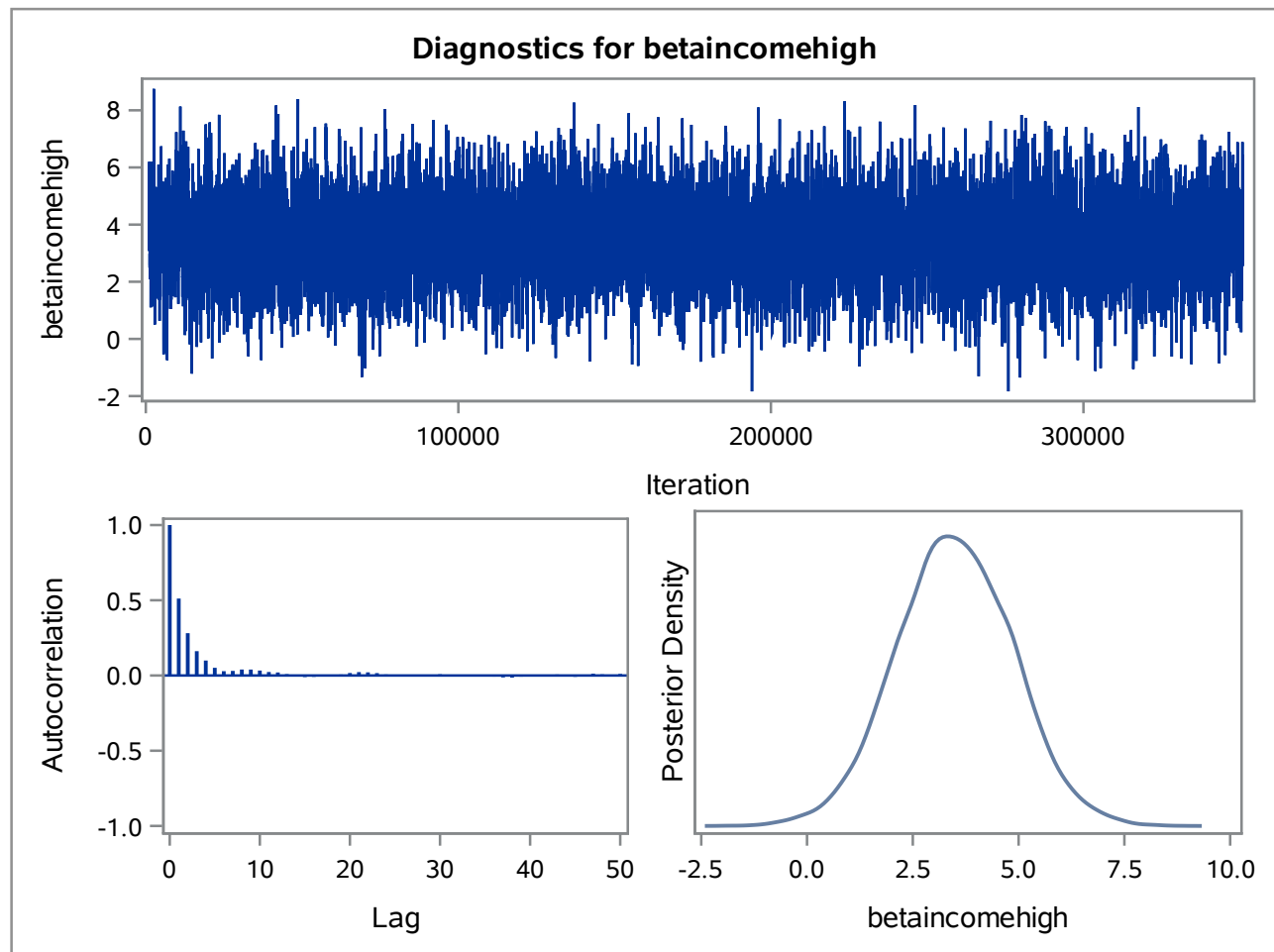
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