

## 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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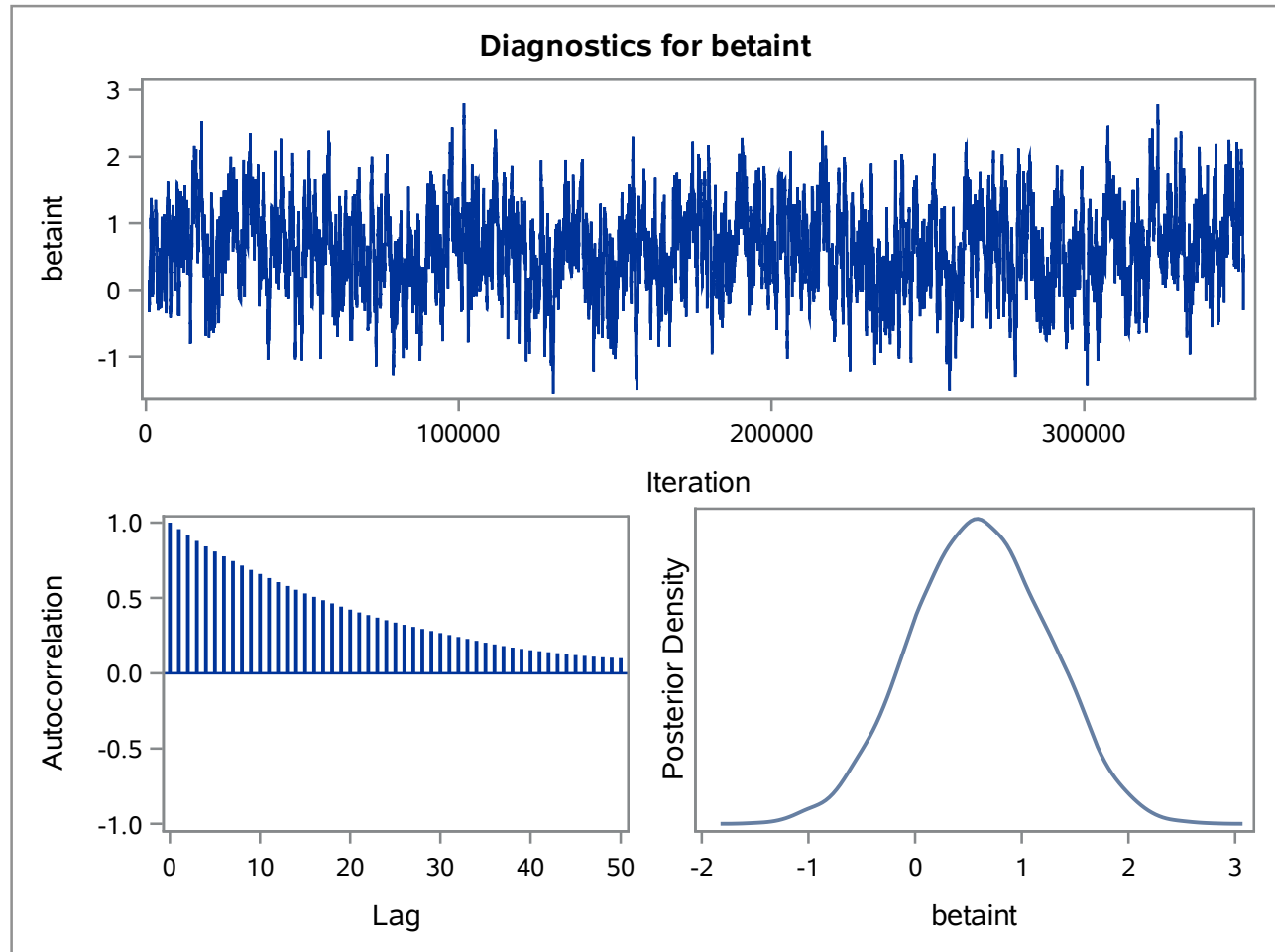
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	17500	0.6082	0.6367	-0.6620	1.7973
betabase	17500	-0.5264	0.0654	-0.6532	-0.4003
betahash	17500	-0.2066	0.1142	-0.4315	0.0145
betabmi	17500	-0.0200	0.0140	-0.0483	0.00657
betasmoke	17500	-0.1304	0.1243	-0.3737	0.1129
betadrink	17500	0.0946	0.2071	-0.3051	0.5023
betarace	17500	0.0739	0.1372	-0.2076	0.3329
betaeduc	17500	-0.0240	0.1686	-0.3599	0.3058
betaage	17500	-0.00231	0.00666	-0.0157	0.0104
betaadh	17500	0.3315	0.1811	-0.0182	0.6887
betaincomemid	17500	-0.1580	0.1650	-0.4889	0.1580
betaincomehigh	17500	-0.4658	0.2001	-0.8562	-0.0710
sigma2	17500	1.2519	0.0887	1.0788	1.4247

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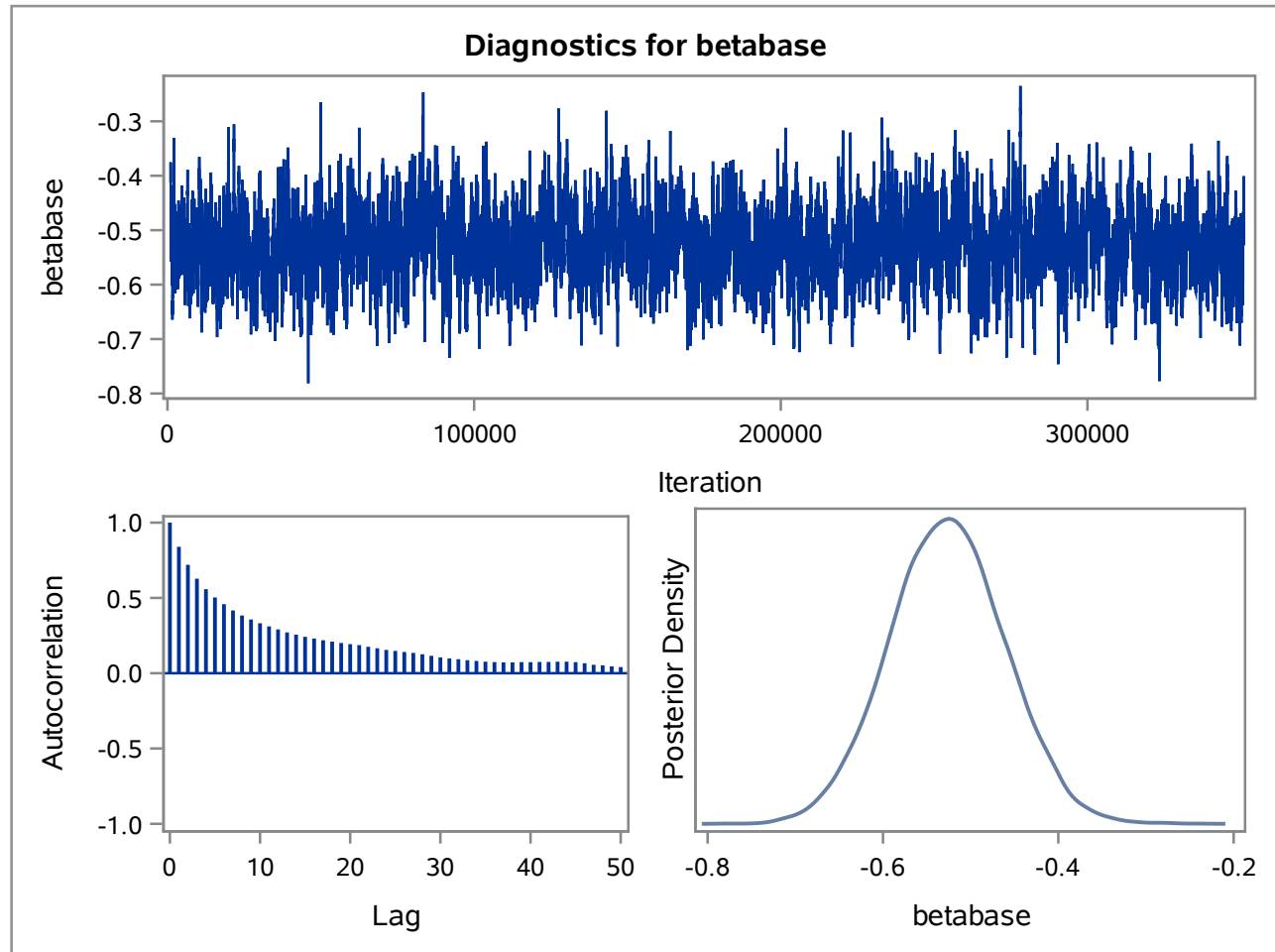
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	328.7	53.2372	0.0188
betabase	776.6	22.5329	0.0444
betahash	14632.7	1.1960	0.8362
betabmi	554.5	31.5578	0.0317
betasmoke	4933.0	3.5475	0.2819
betadrink	16936.0	1.0333	0.9678
betarace	3574.4	4.8959	0.2043
betaeduc	6318.1	2.7698	0.3610
betaage	1218.9	14.3573	0.0697
betaadh	17500.0	1.0000	1.0000
betaincomemid	4699.6	3.7238	0.2685
betaincomehigh	2635.2	6.6408	0.1506
sigma2	17500.0	1.0000	1.0000

Deviance Information Criterion	
Dbar (posterior mean of deviance)	1269.614
Dmean (deviance evaluated at posterior mean)	1256.486
pD (effective number of parameters)	13.128
DIC (smaller is better)	1282.741

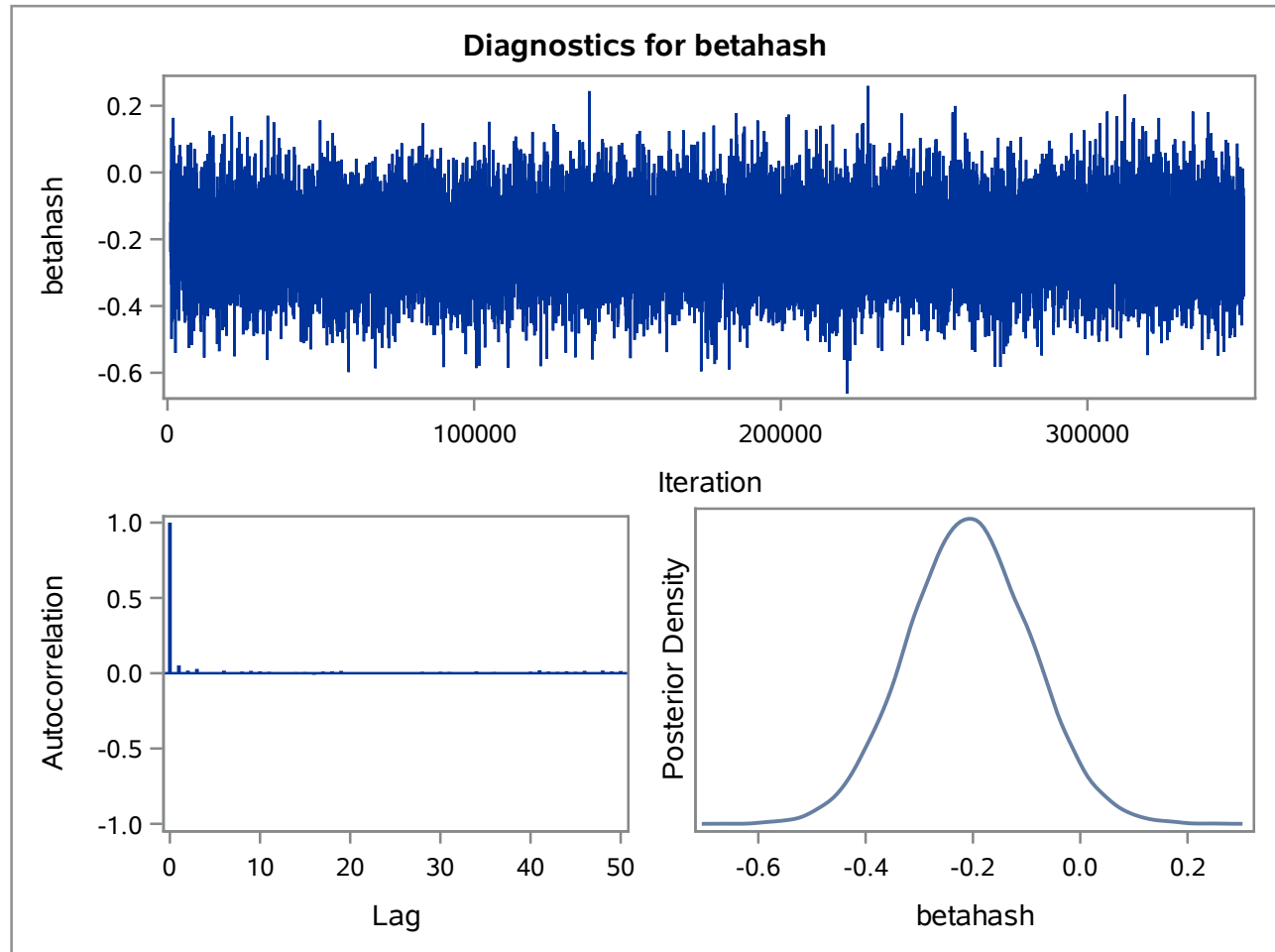
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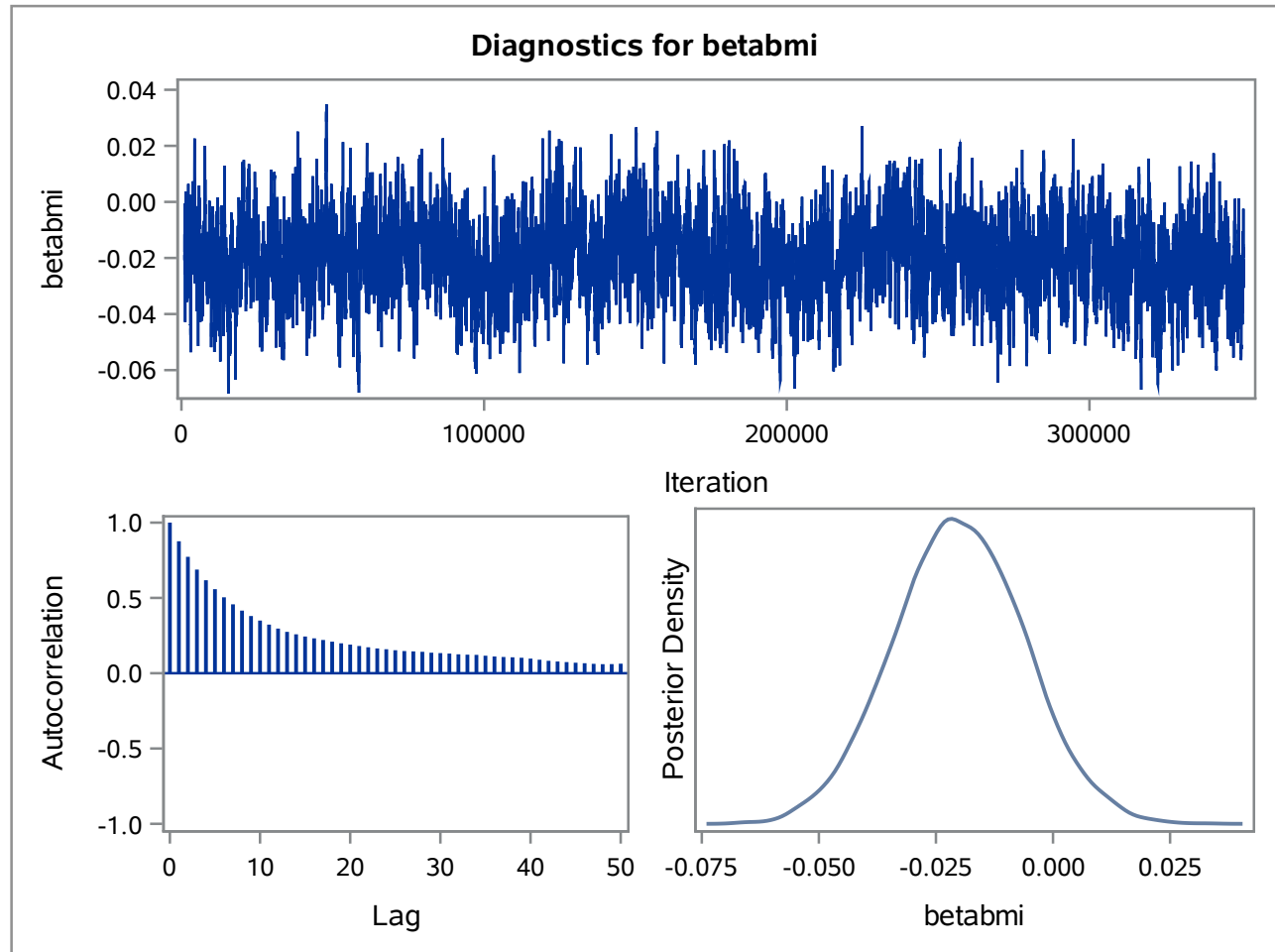
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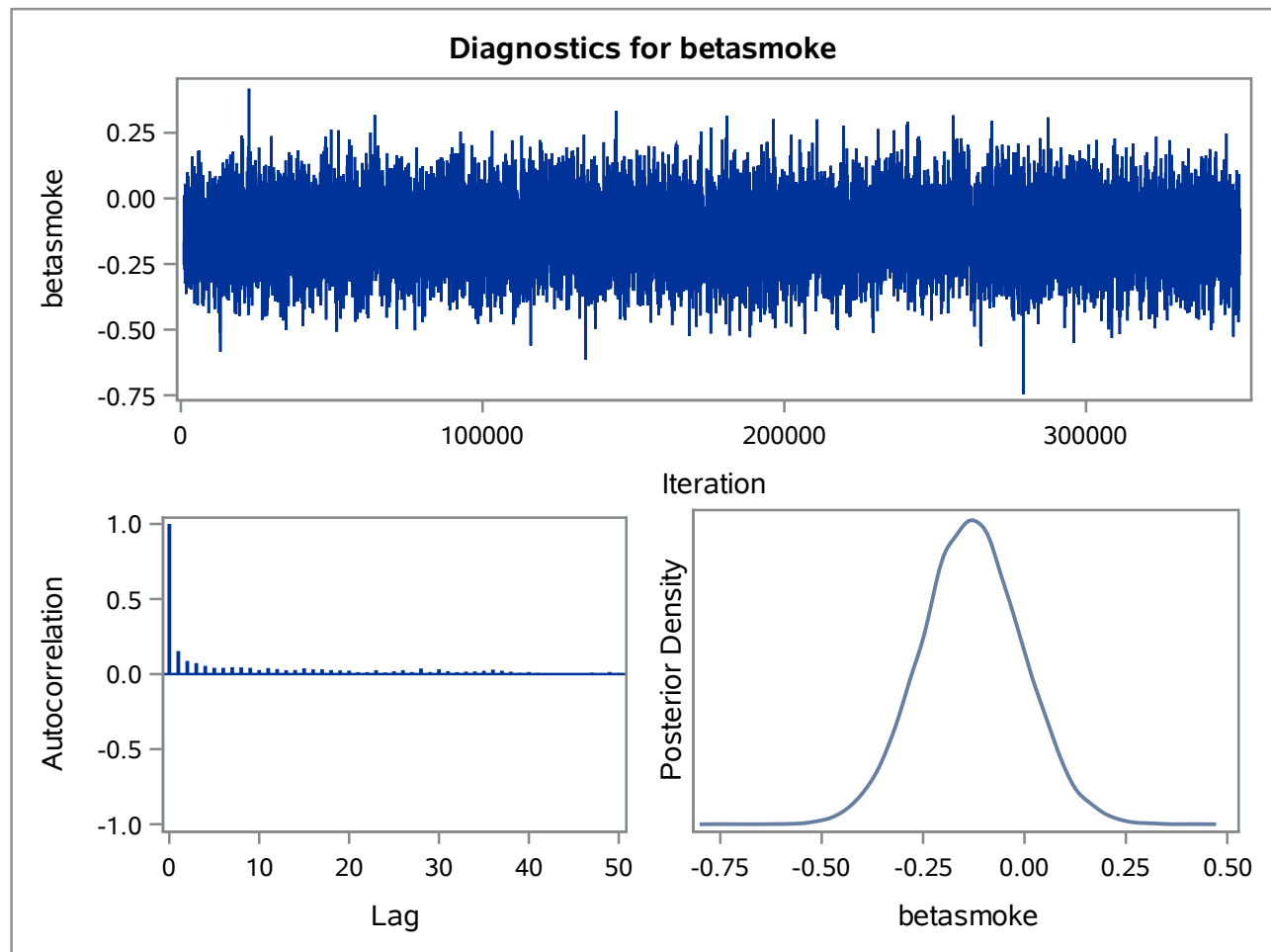
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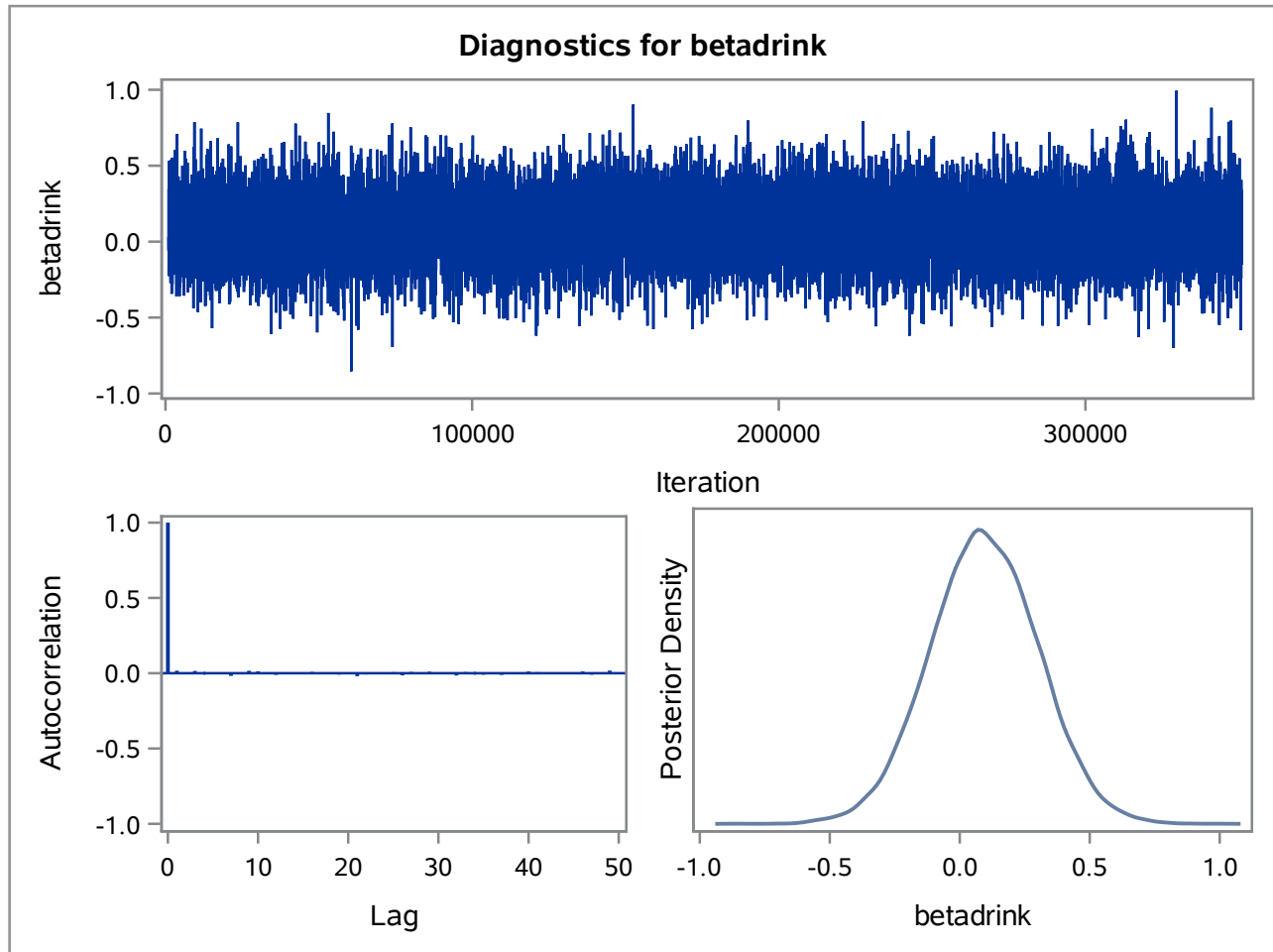


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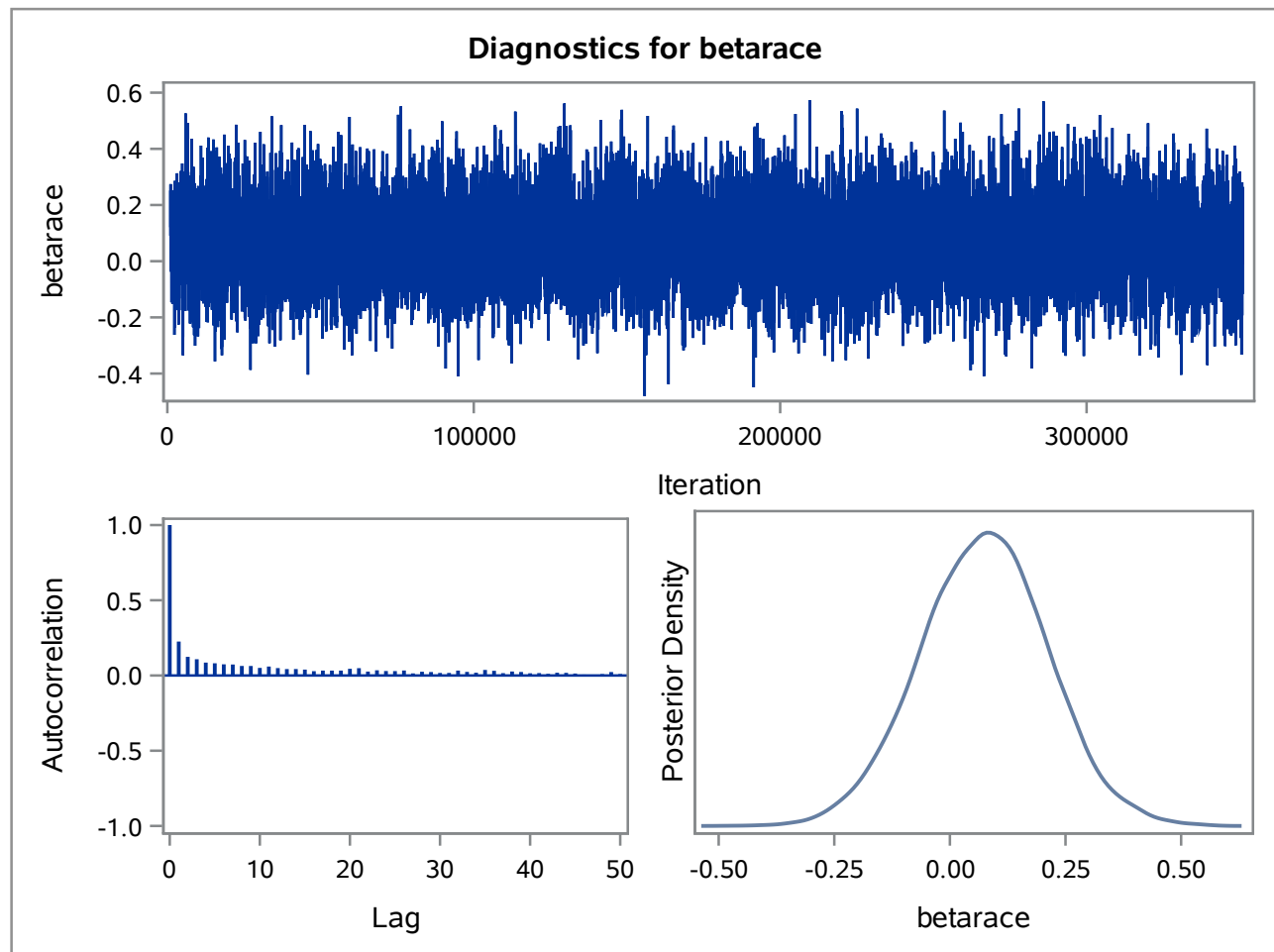




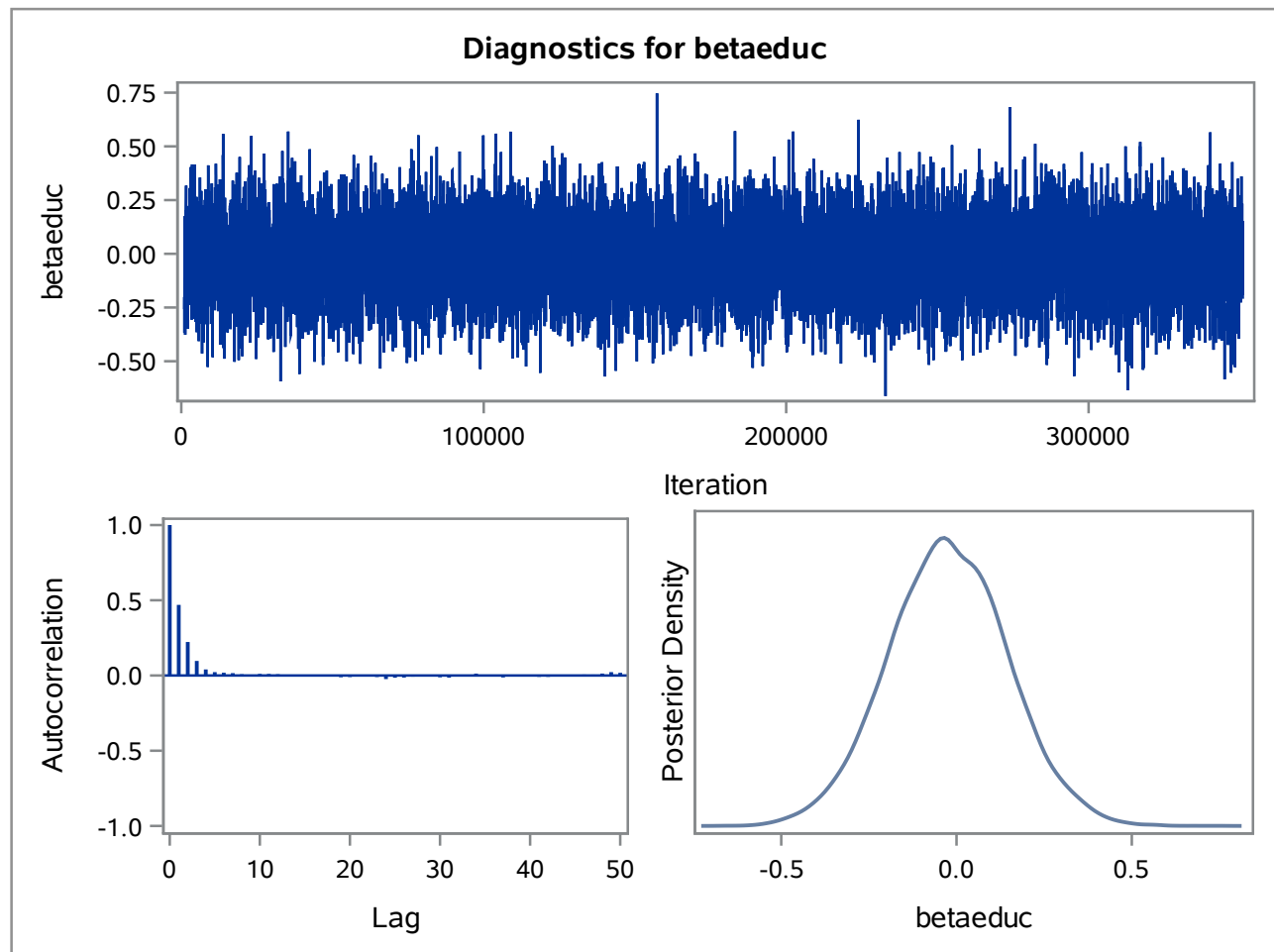
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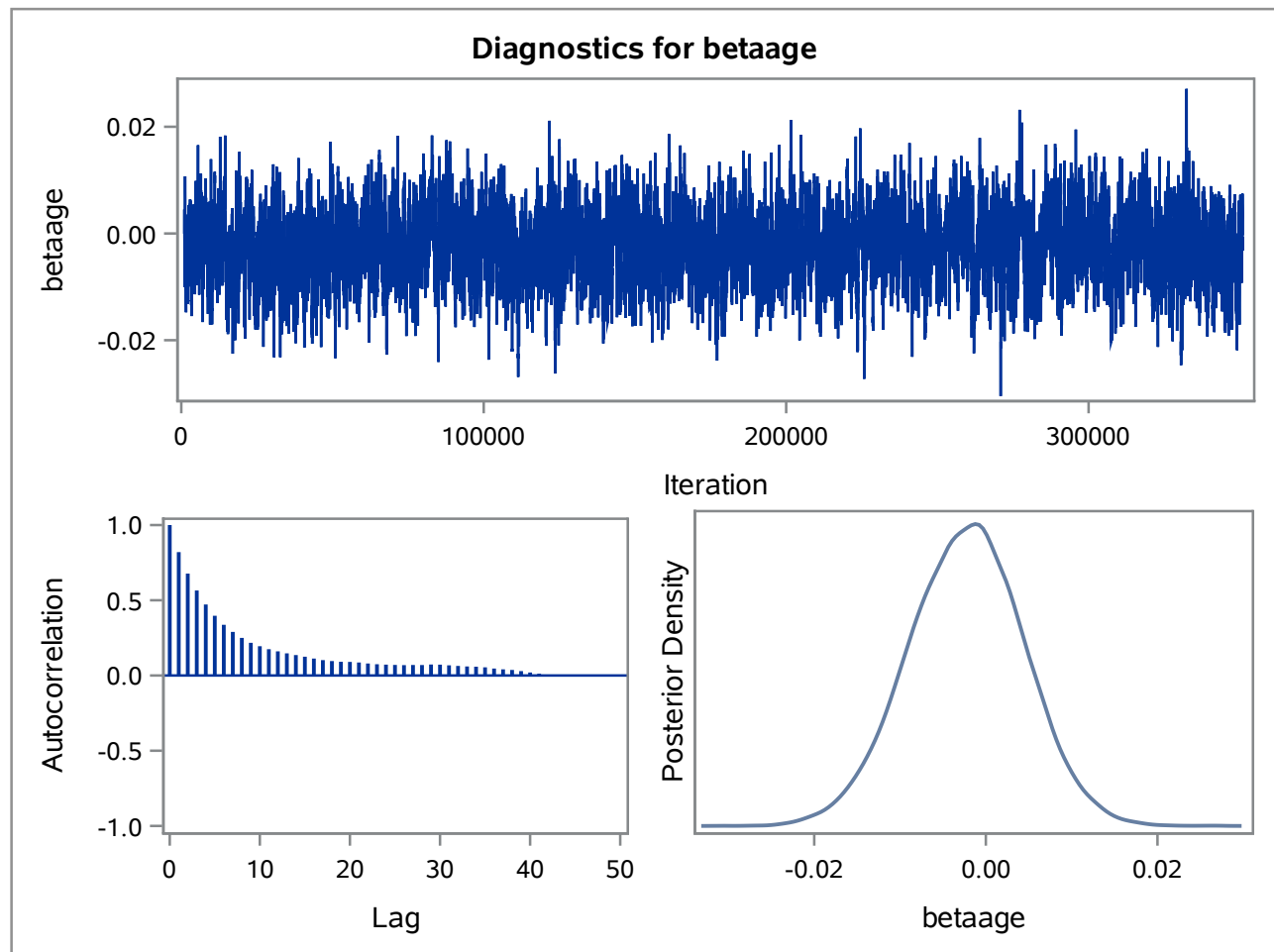
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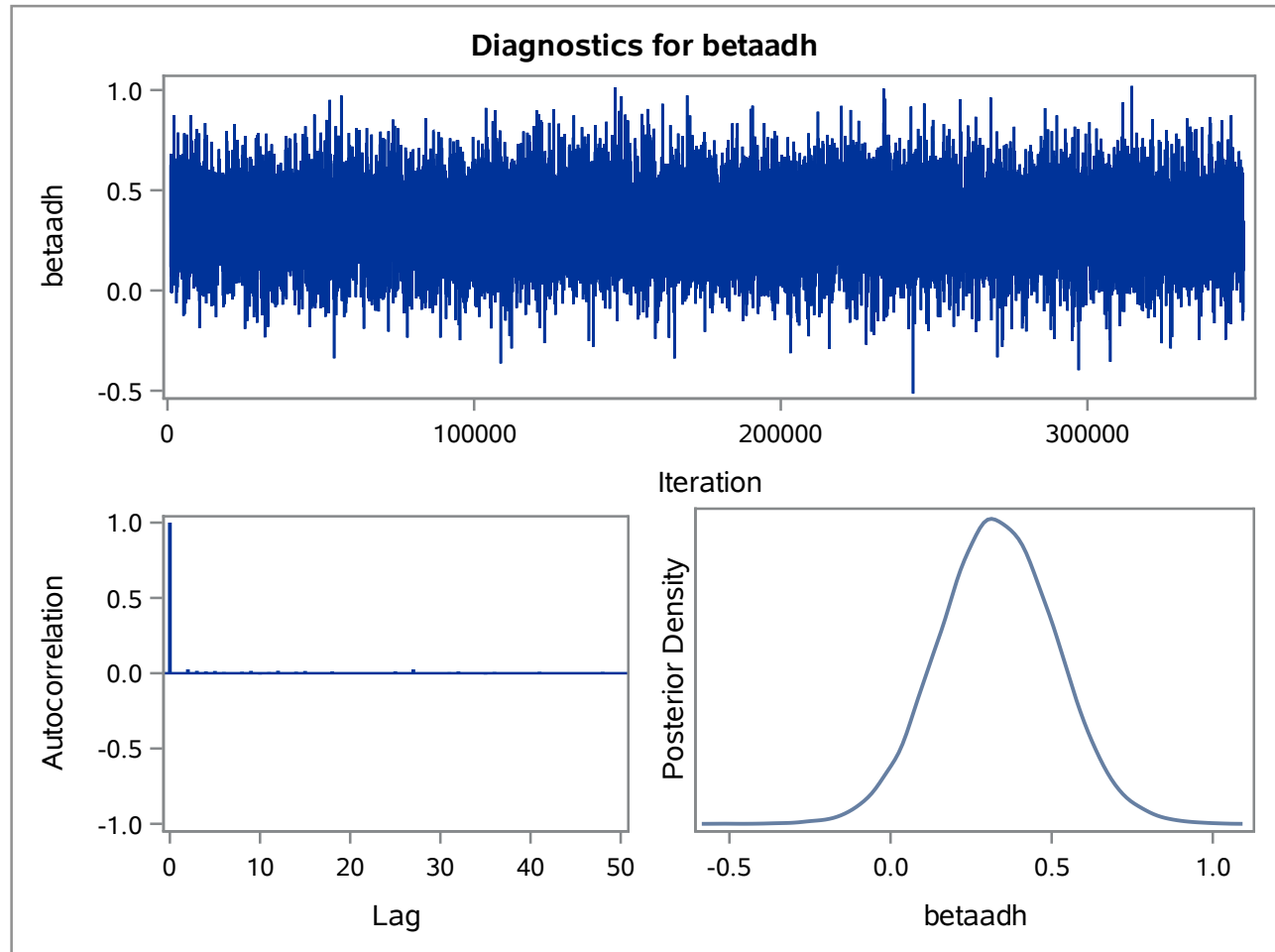
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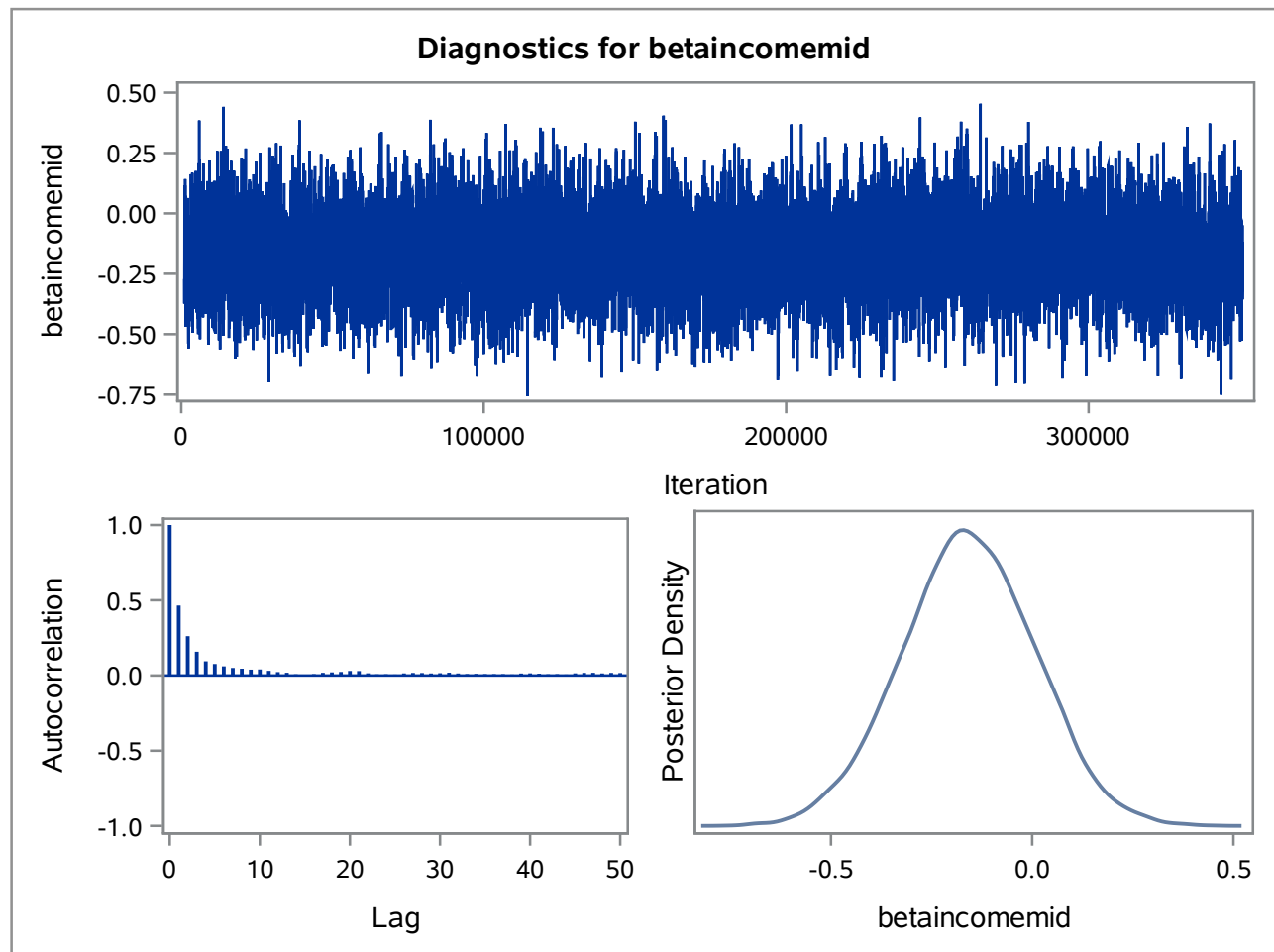
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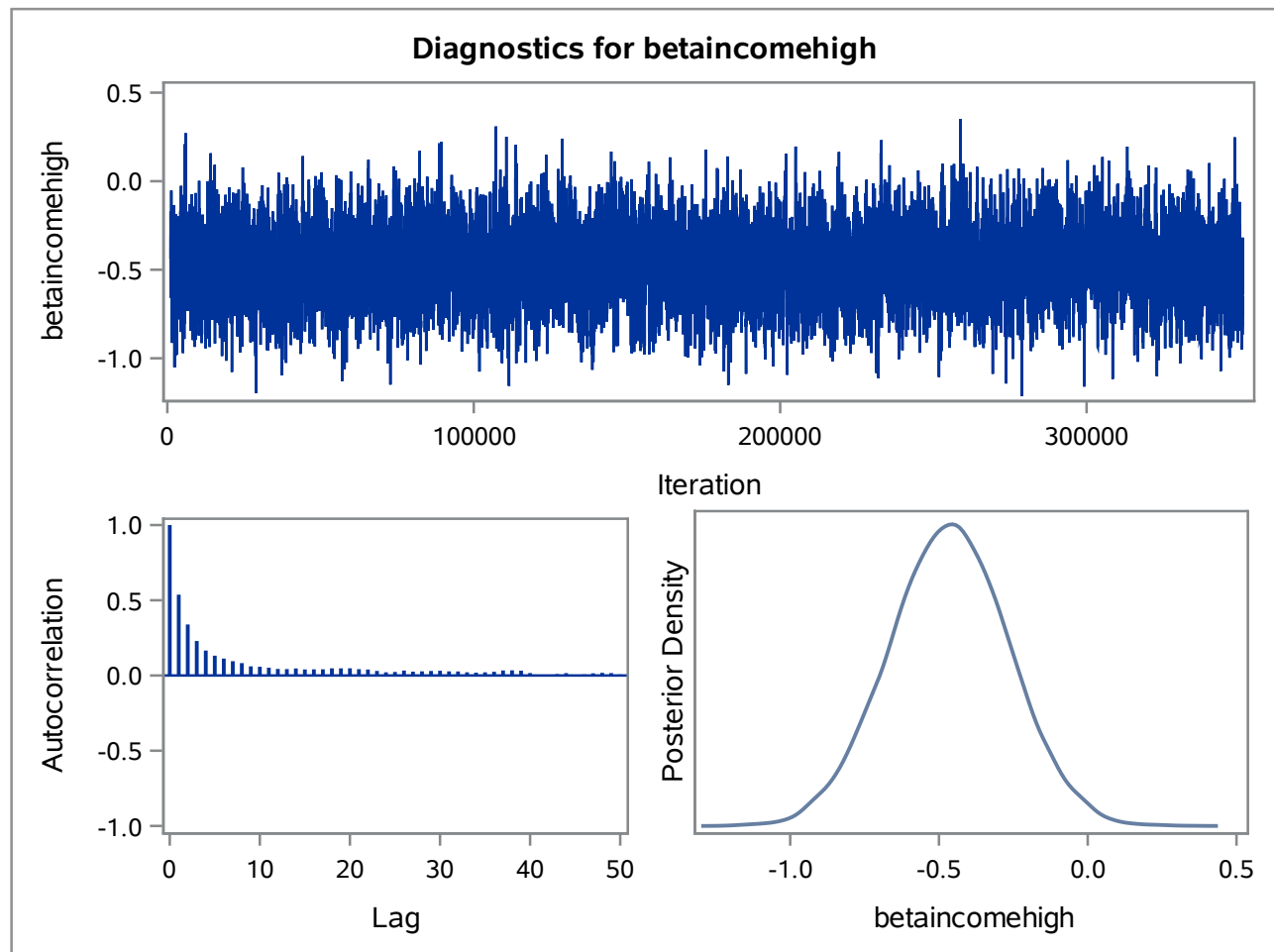
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