

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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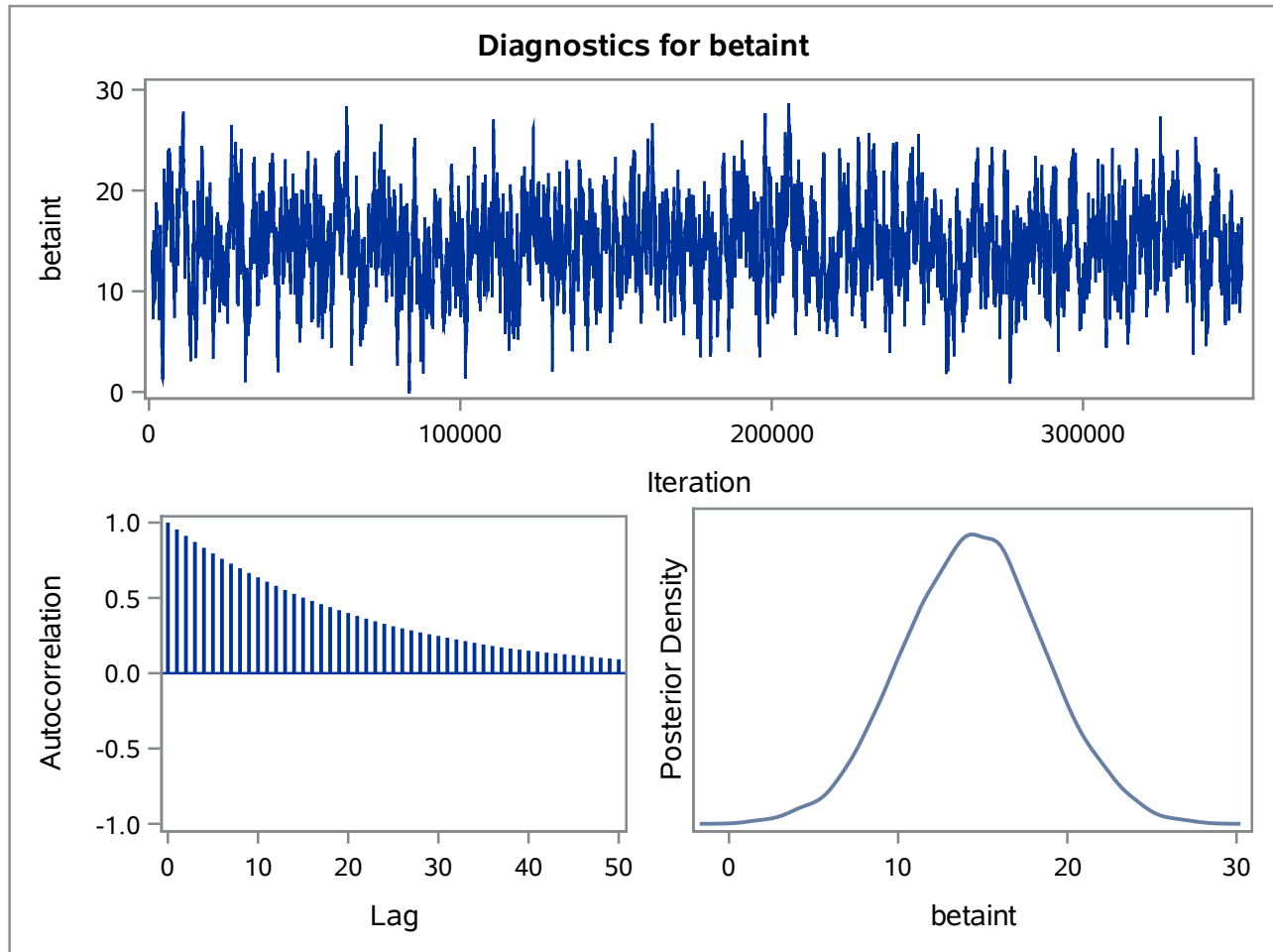
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	17500	14.5012	4.1577	6.5576	22.7962
betaharddrug	17500	-3.3322	1.4651	-6.2292	-0.4980
betabase	17500	-0.3361	0.0482	-0.4308	-0.2425
betahash	17500	0.6934	0.7870	-0.7875	2.3070
betabmi	17500	0.1330	0.0955	-0.0535	0.3181
betasmoke	17500	-0.8462	0.8597	-2.4802	0.8900
betadrink	17500	-1.0327	1.4249	-3.8815	1.6802
betarace	17500	1.2841	0.9190	-0.5867	3.0218
betaeduc	17500	0.7460	1.1308	-1.4489	2.9555
betaage	17500	-0.1196	0.0460	-0.2130	-0.0313
betaadh	17500	-1.3639	1.2654	-3.8025	1.1320
betaincomemid	17500	2.4594	1.1636	0.2131	4.7569
betaincomehigh	17500	3.4412	1.3656	0.7894	6.1497
sigma2	17500	59.2070	4.1801	51.1815	67.3677

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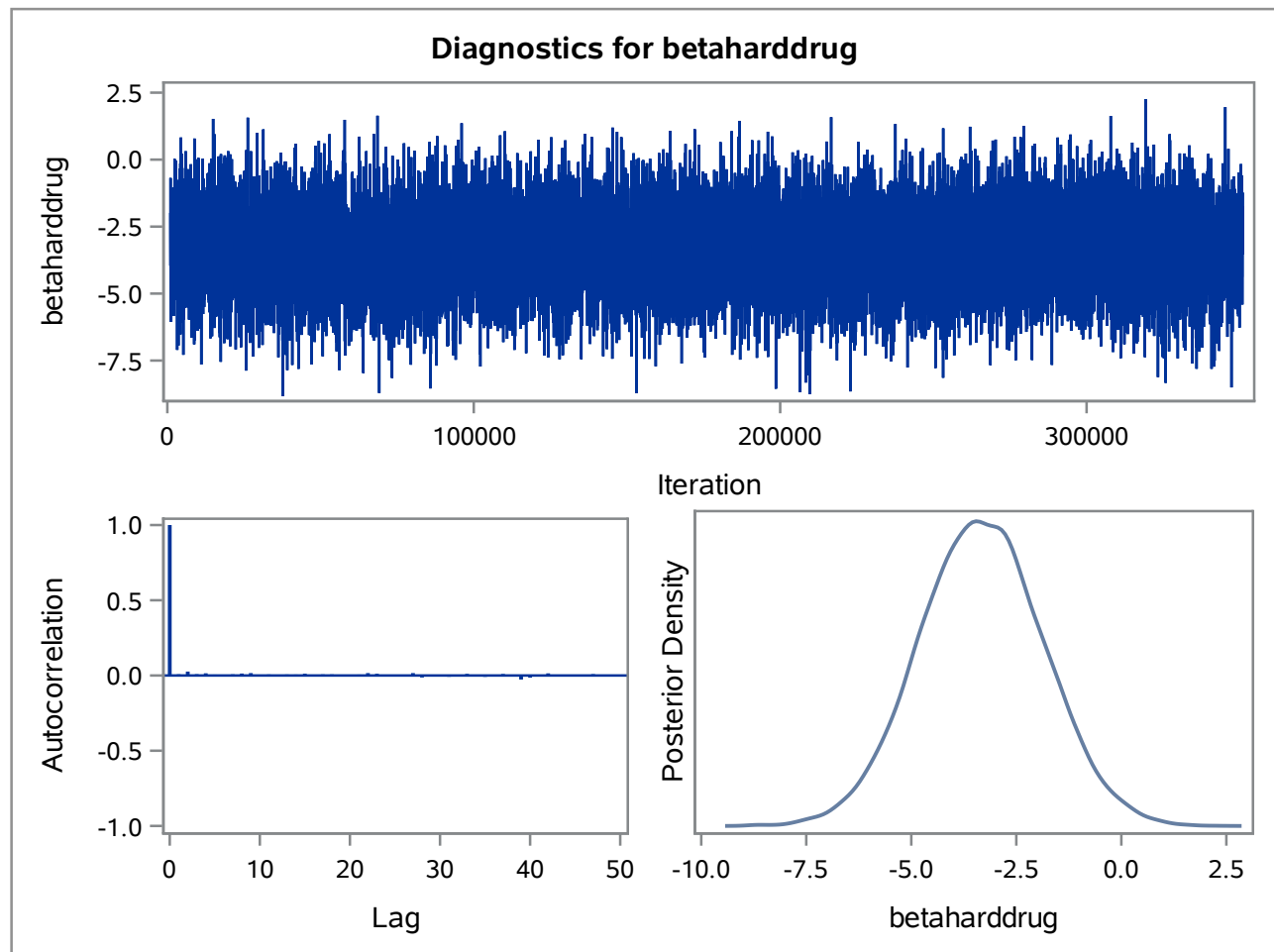
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	428.2	40.8721	0.0245
betaharddrug	17500.0	1.0000	1.0000
betabase	726.9	24.0745	0.0415
betahash	13488.8	1.2974	0.7708
betabmi	929.3	18.8319	0.0531
betasmoke	6894.0	2.5384	0.3939
betadrink	17098.7	1.0235	0.9771
betarace	6732.5	2.5993	0.3847
betaeduc	4705.7	3.7189	0.2689
betaage	920.0	19.0213	0.0526
betaadh	16785.2	1.0426	0.9592
betaincomemid	5164.4	3.3886	0.2951
betaincomehigh	4456.0	3.9273	0.2546
sigma2	17104.5	1.0231	0.9774

Deviance Information Criterion	
Dbar (posterior mean of deviance)	2867.644
Dmean (deviance evaluated at posterior mean)	2853.647
pD (effective number of parameters)	13.997
DIC (smaller is better)	2881.642

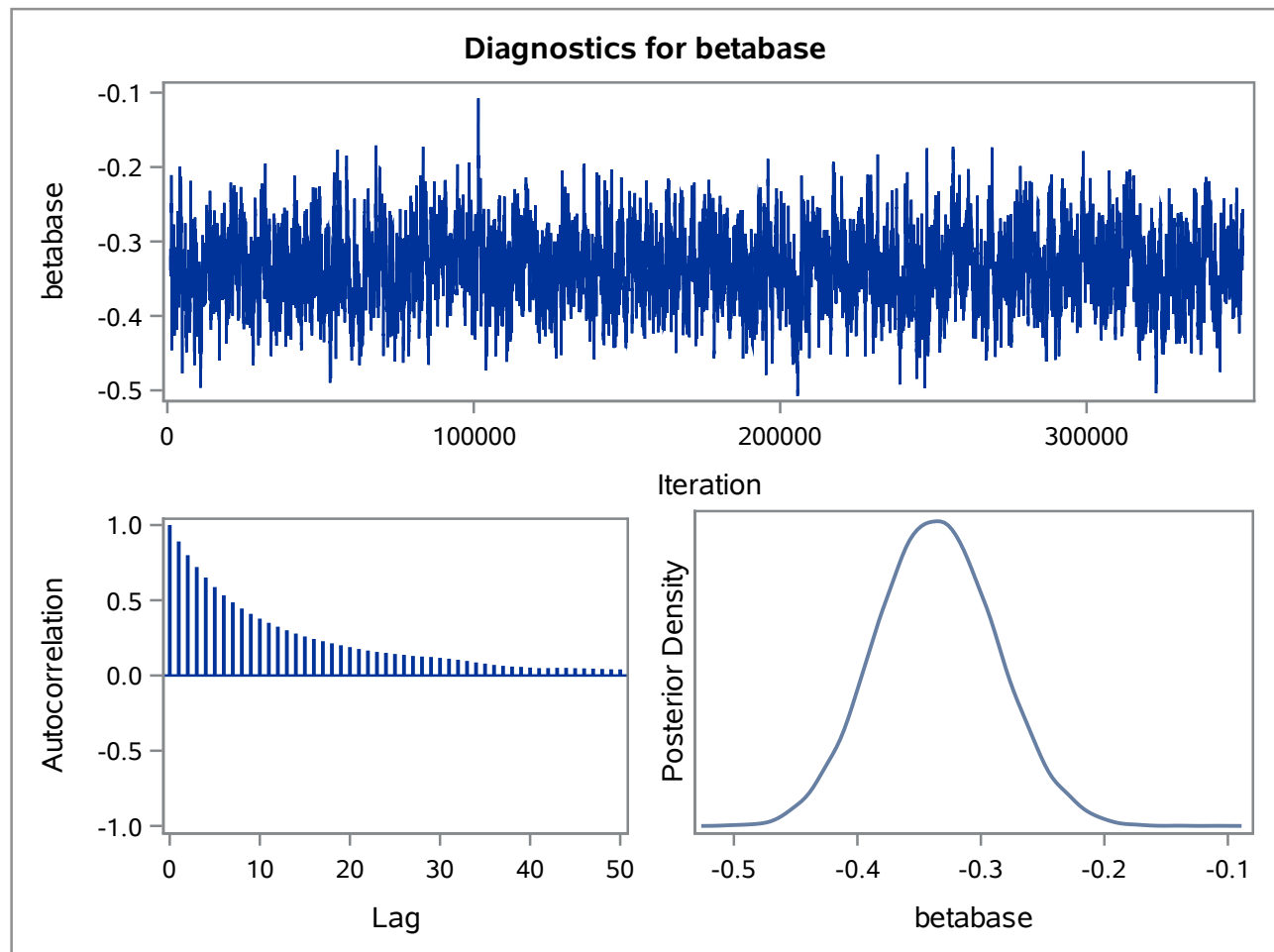
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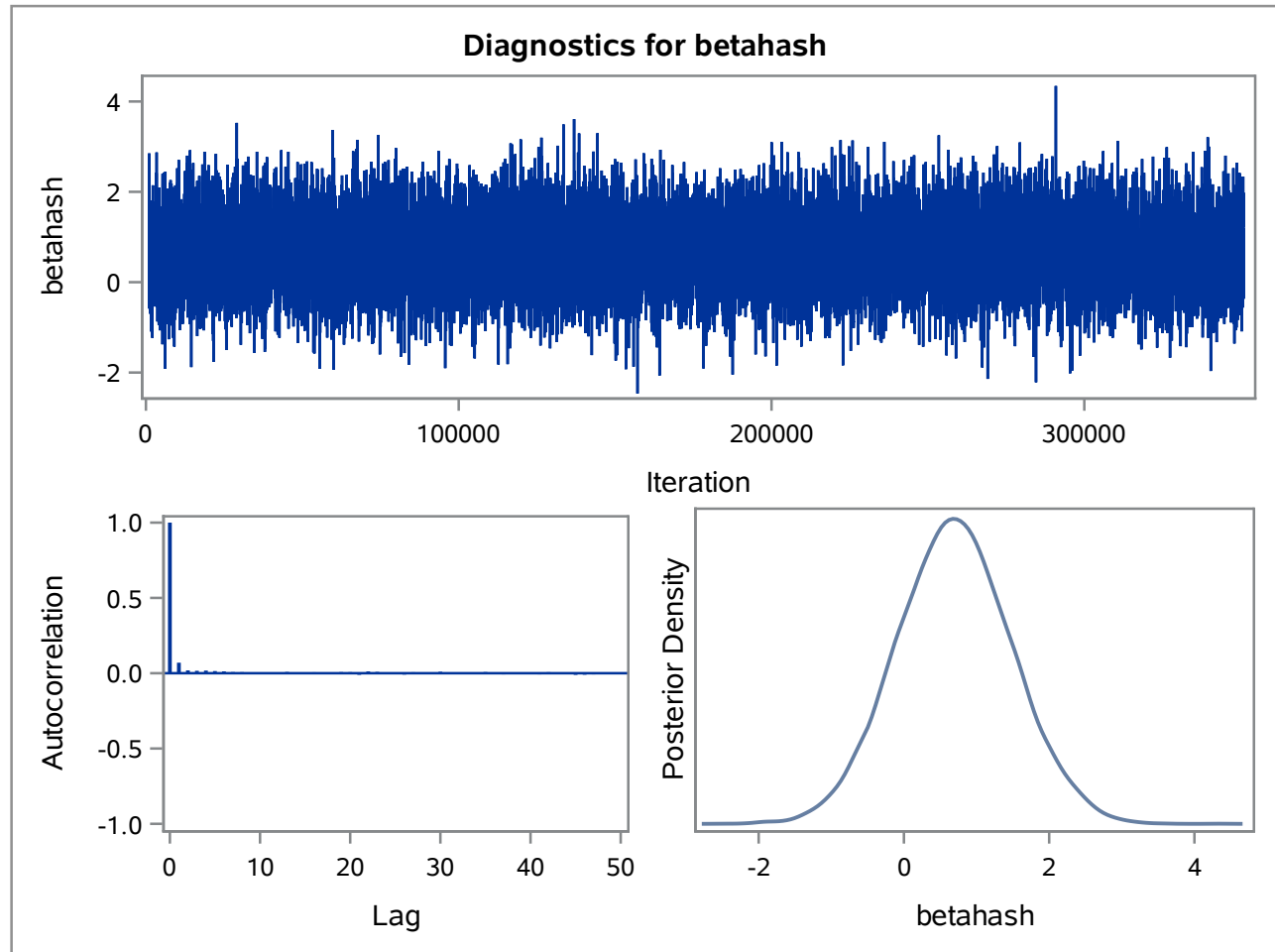
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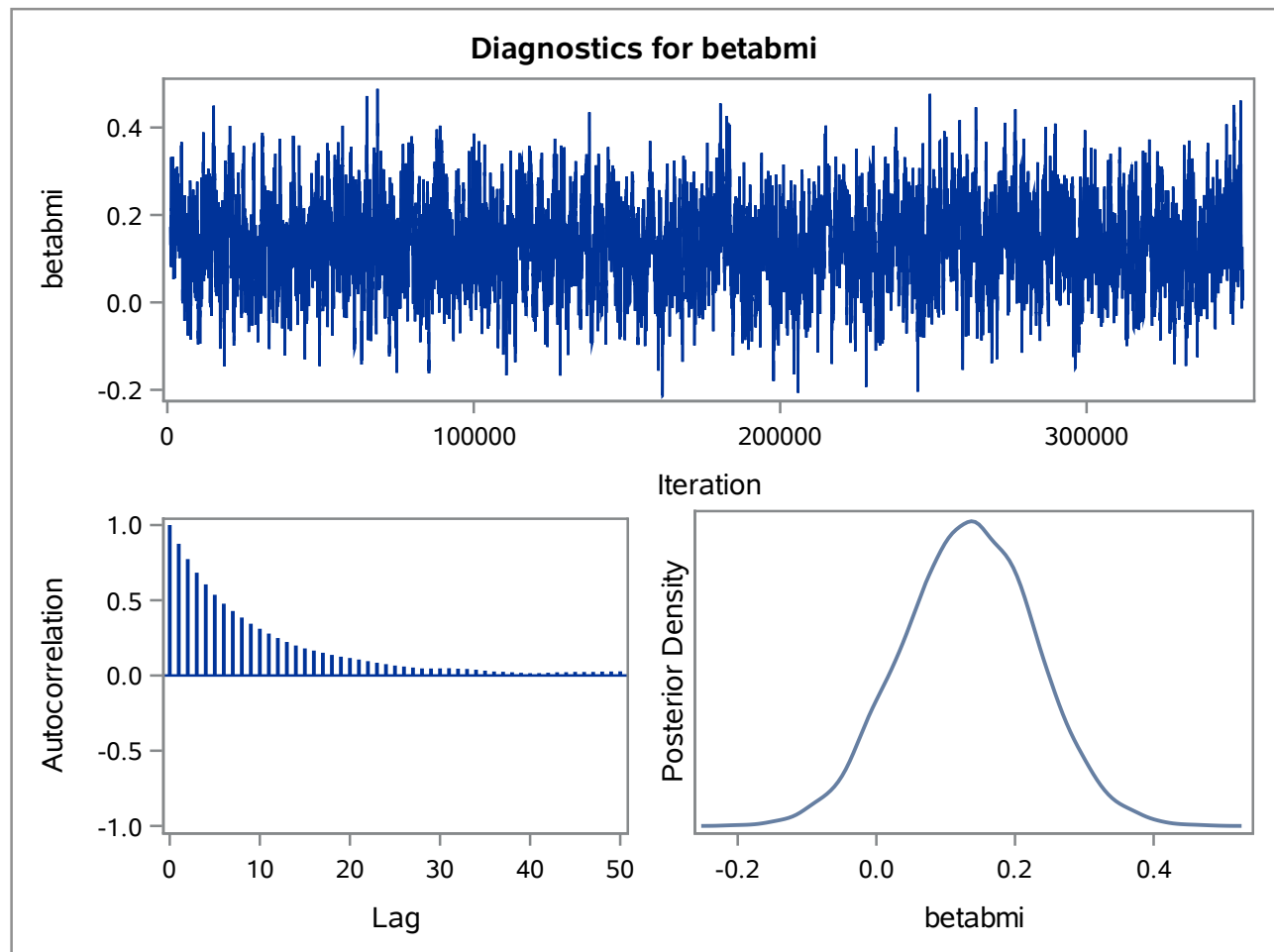
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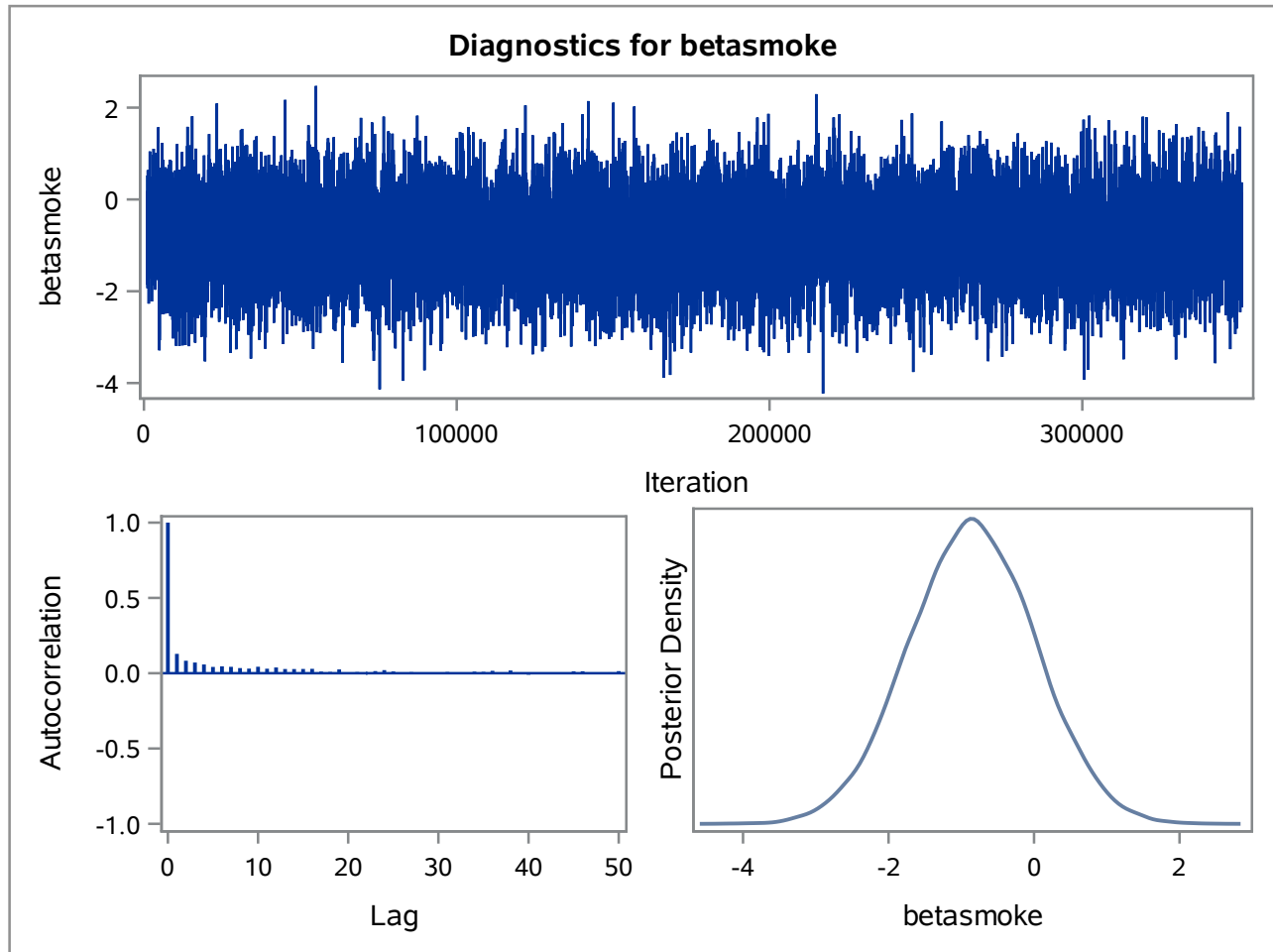
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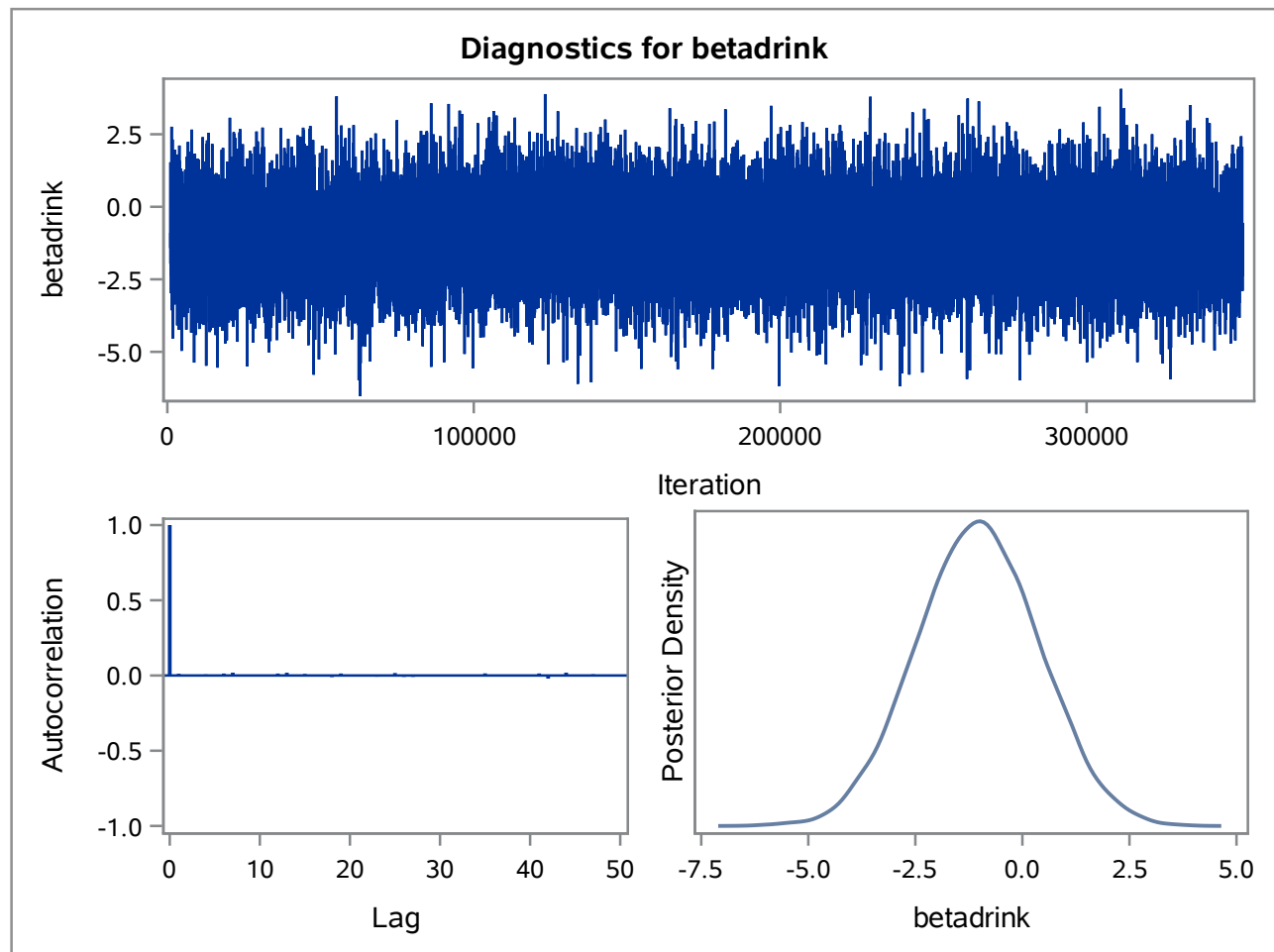
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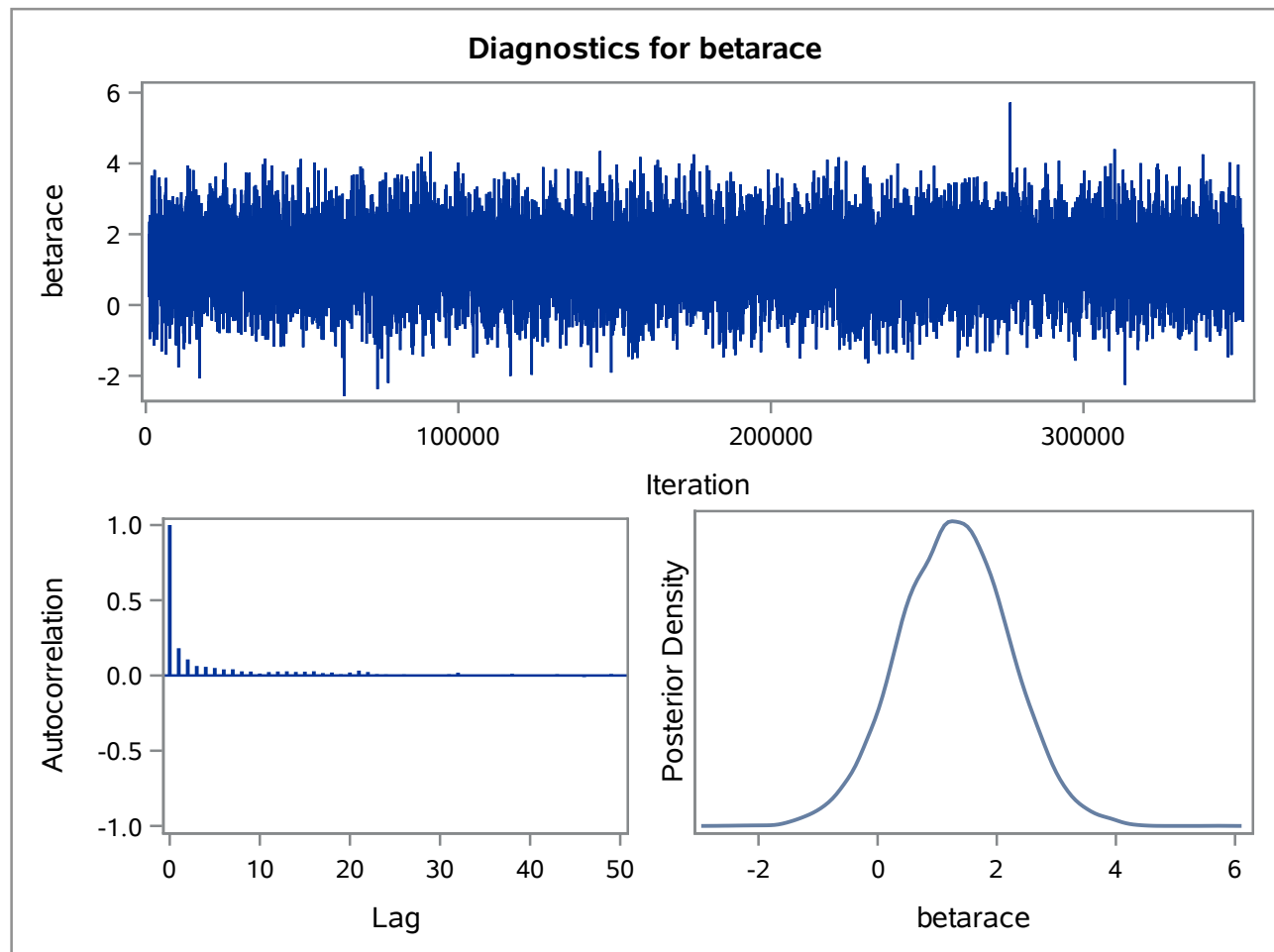
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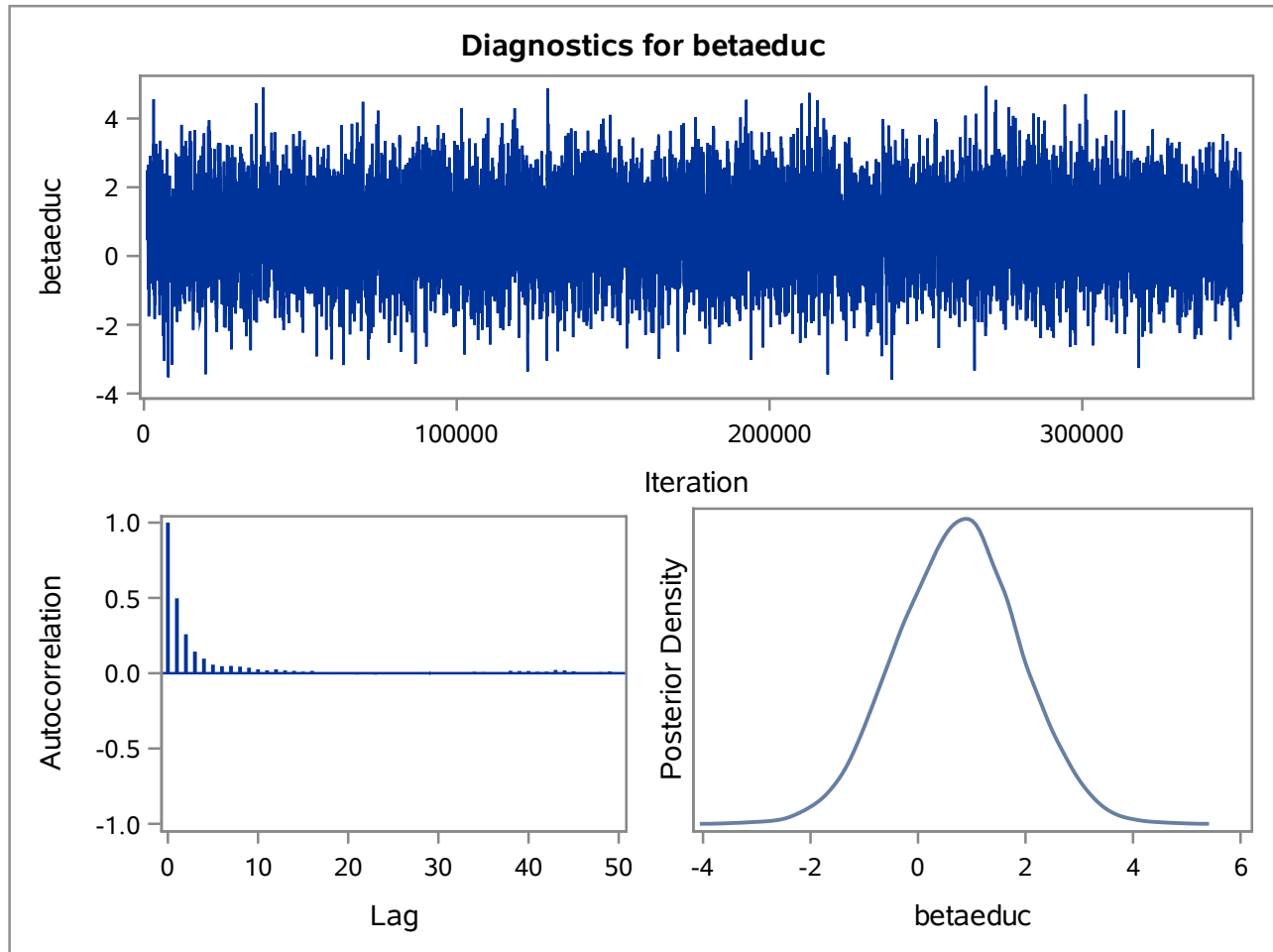
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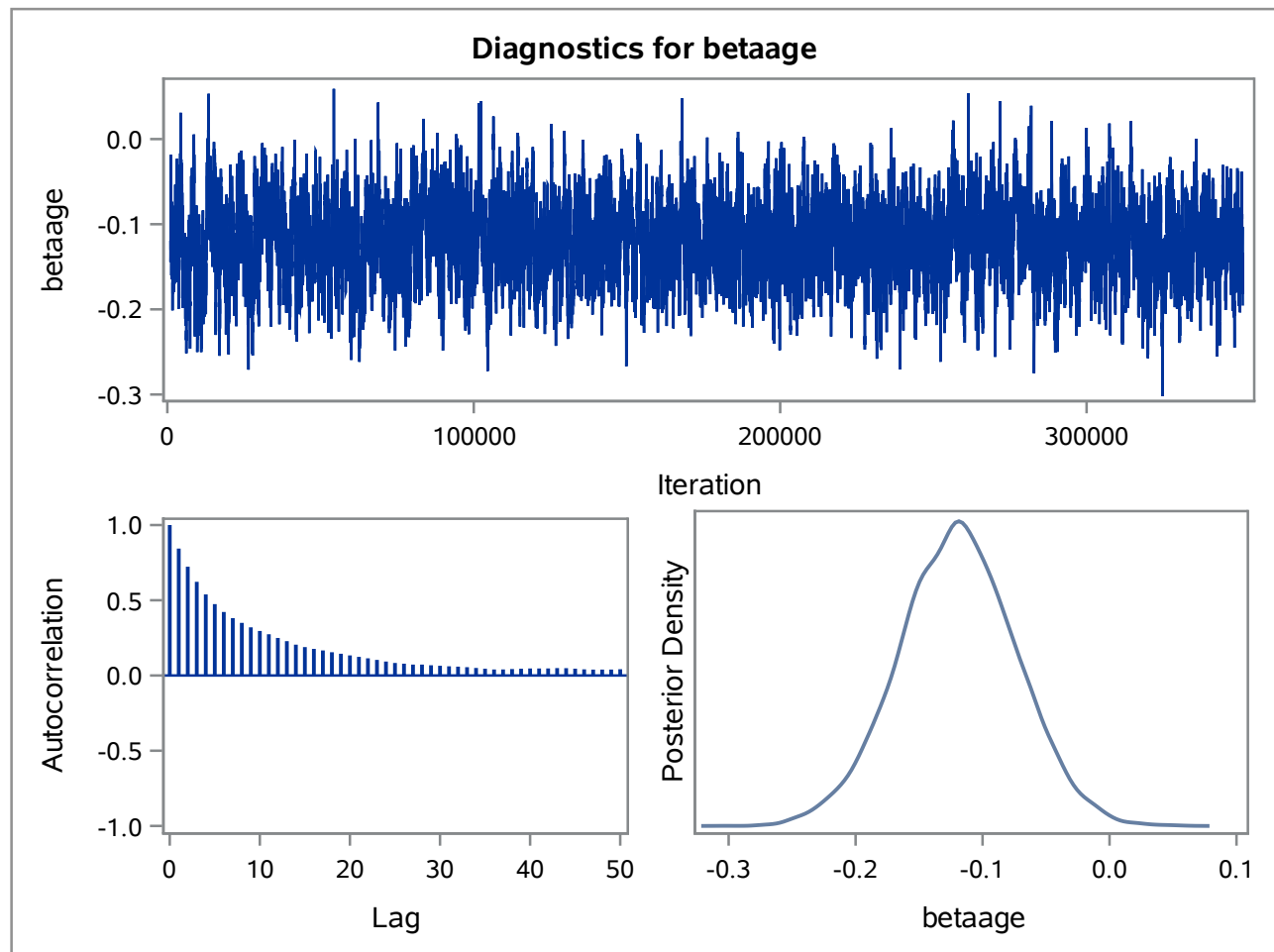
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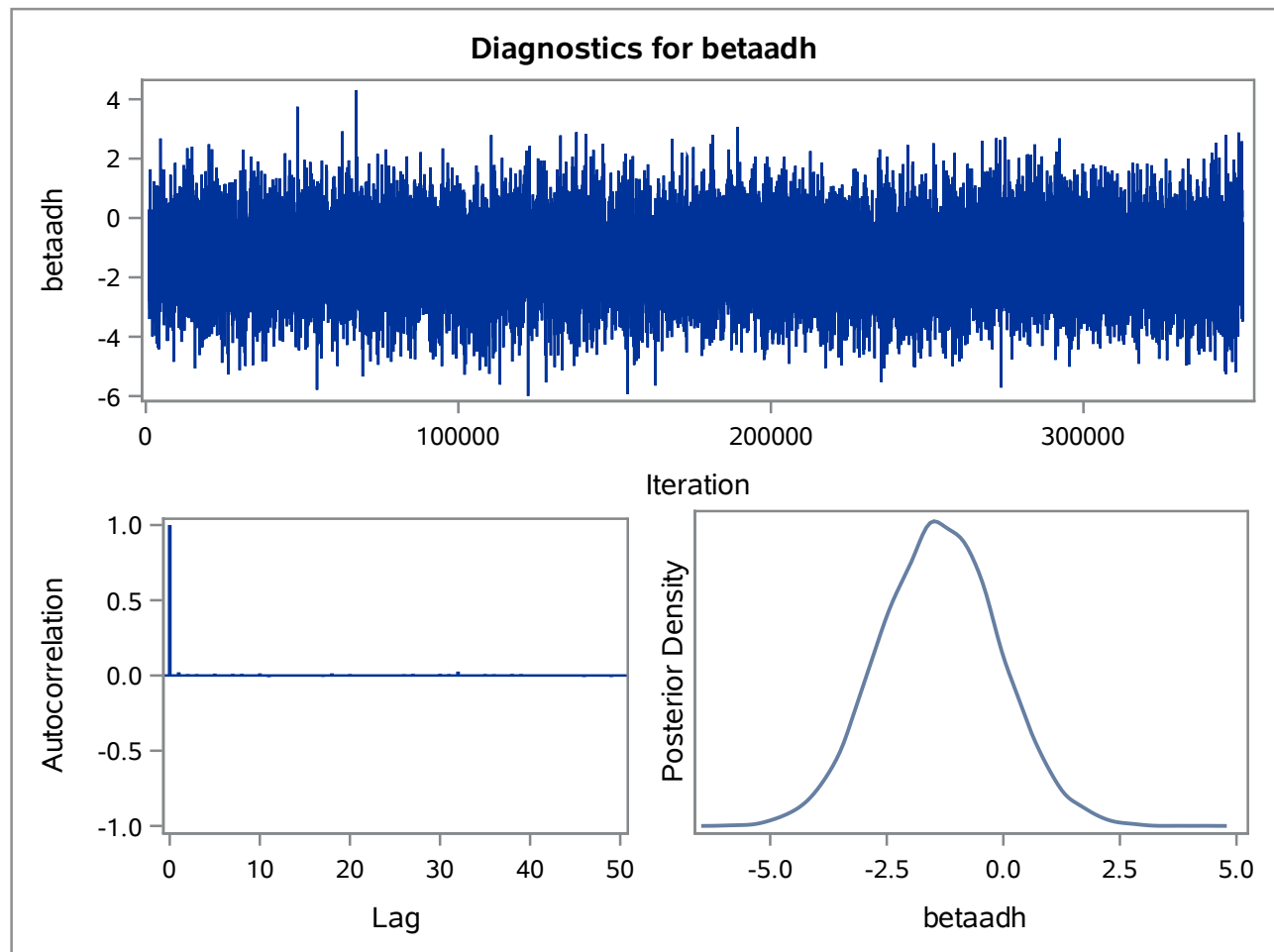
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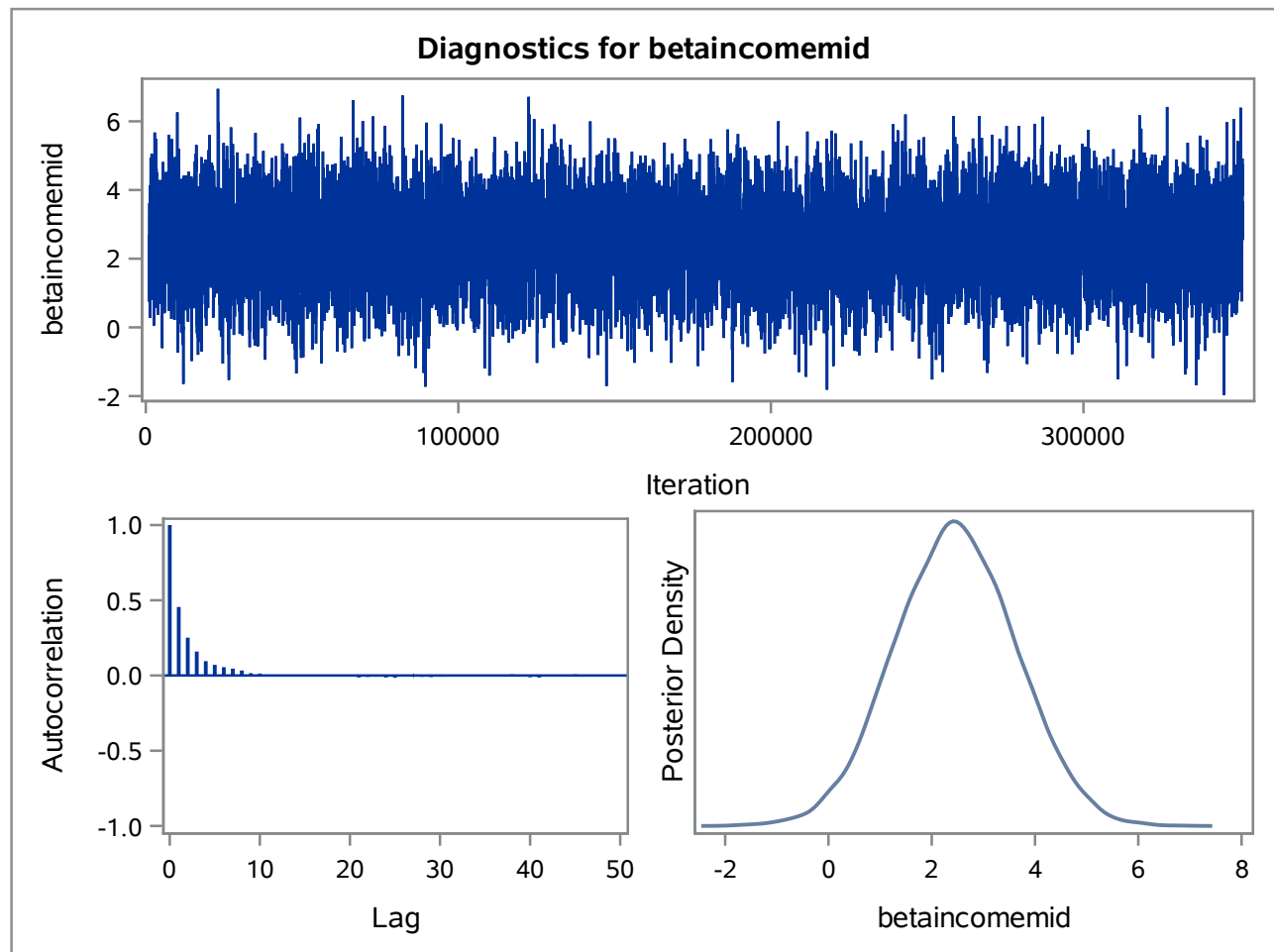
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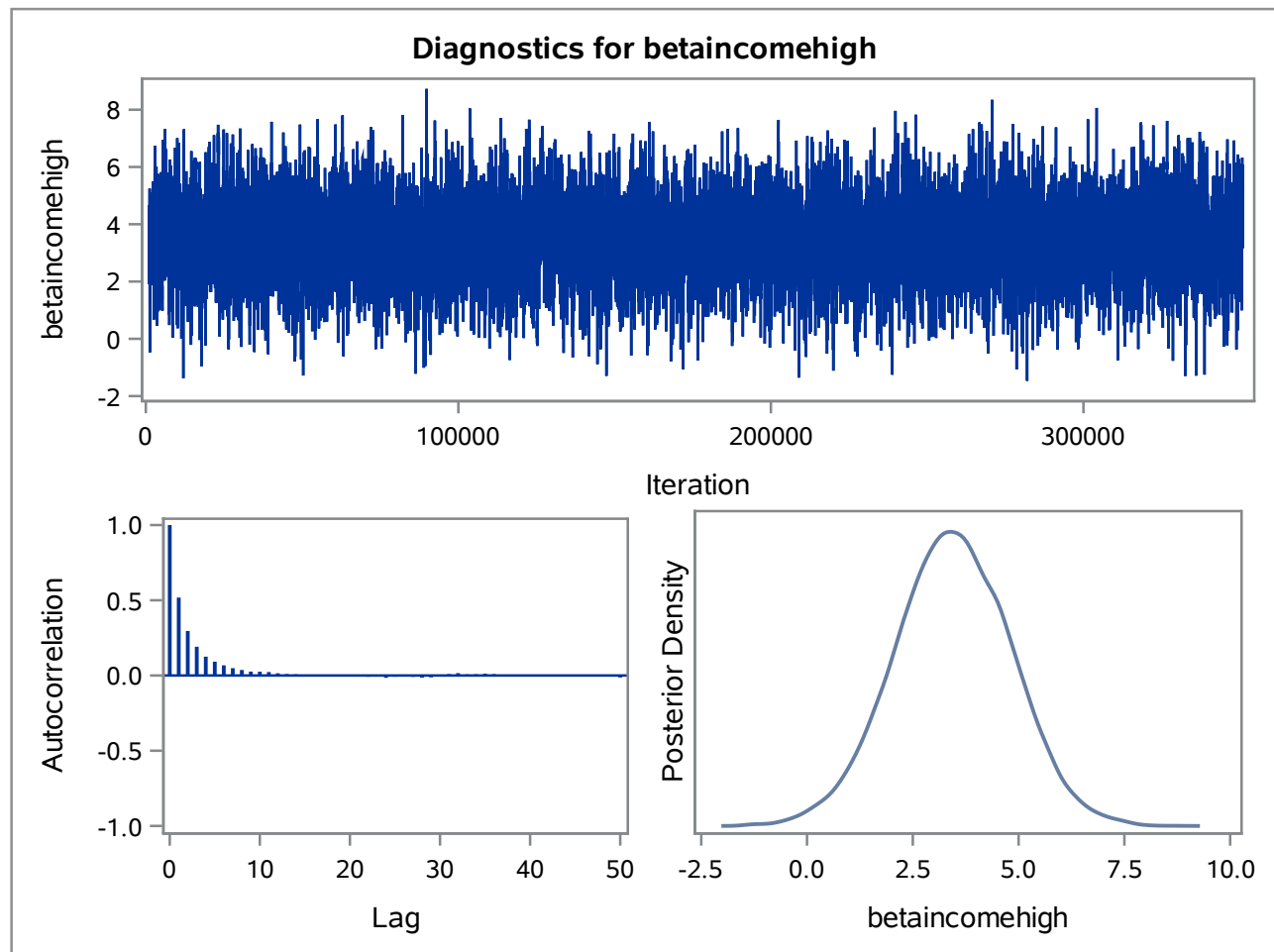
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