

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

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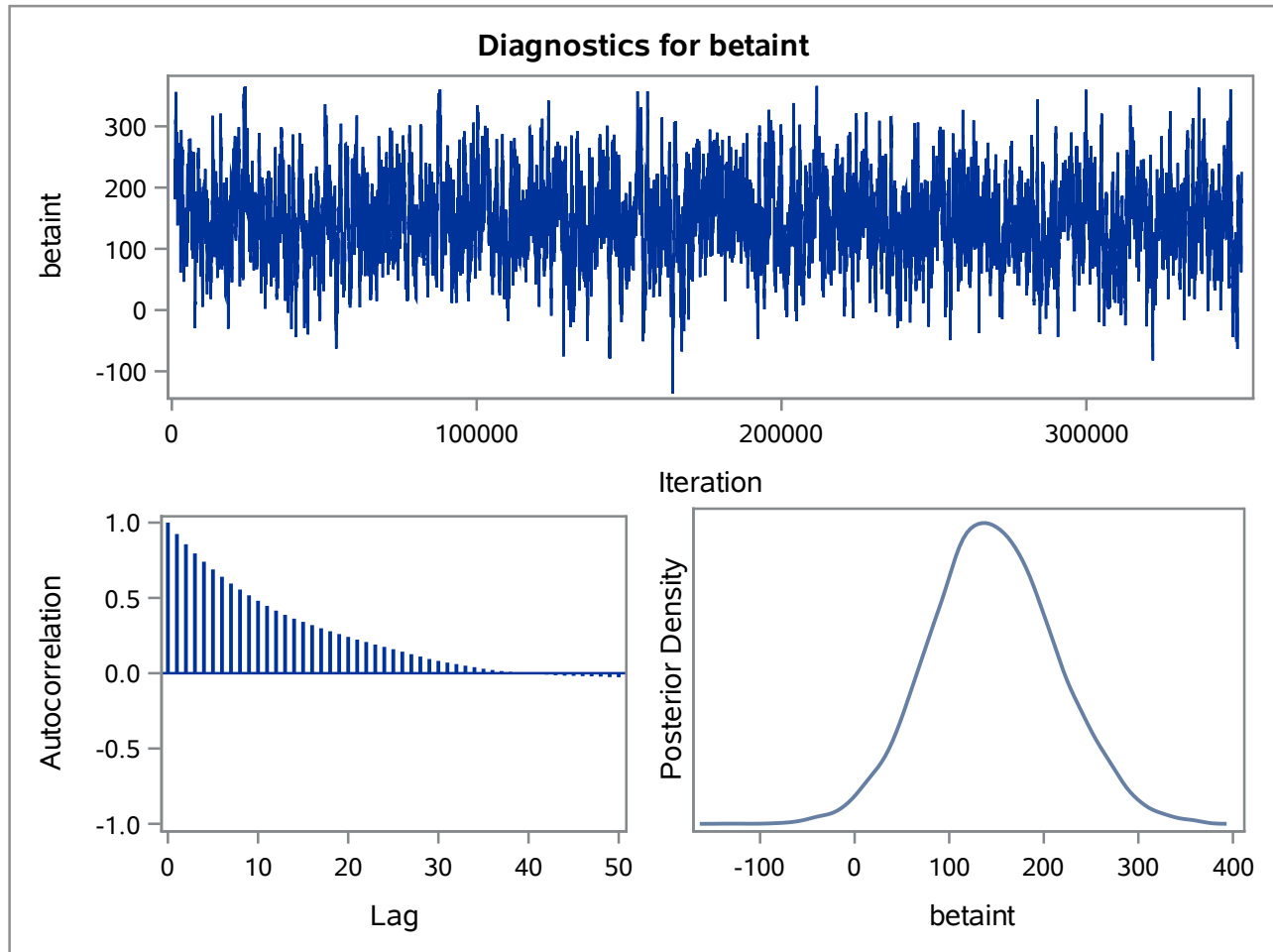
Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
betaint	17500	146.2	66.8796	17.0840	279.2
betaharddrug	17500	-189.2	31.0734	-251.4	-128.6
betabase	17500	-0.0417	0.0415	-0.1235	0.0393
betahash	17500	31.1394	16.7922	-1.0714	64.8450
betabmi	17500	3.6541	1.9452	-0.1747	7.3880
betasmoke	17500	-1.9429	18.3990	-36.8781	35.5101
betadrink	17500	-7.2636	30.4381	-68.5073	50.2193
betarace	17500	-21.7411	19.3200	-59.4360	15.7534
betaeduc	17500	21.5973	23.9308	-25.4869	68.7423
betaage	17500	-0.7418	0.9401	-2.6075	1.0562
betaadh	17500	-51.8708	26.4518	-103.7	-0.1618
betaincomemid	17500	-7.6181	24.1727	-55.4783	38.6538
betaincomehigh	17500	-55.6567	28.1907	-112.6	-2.5479
sigma2	17500	26519.2	1875.1	22817.0	30172.6

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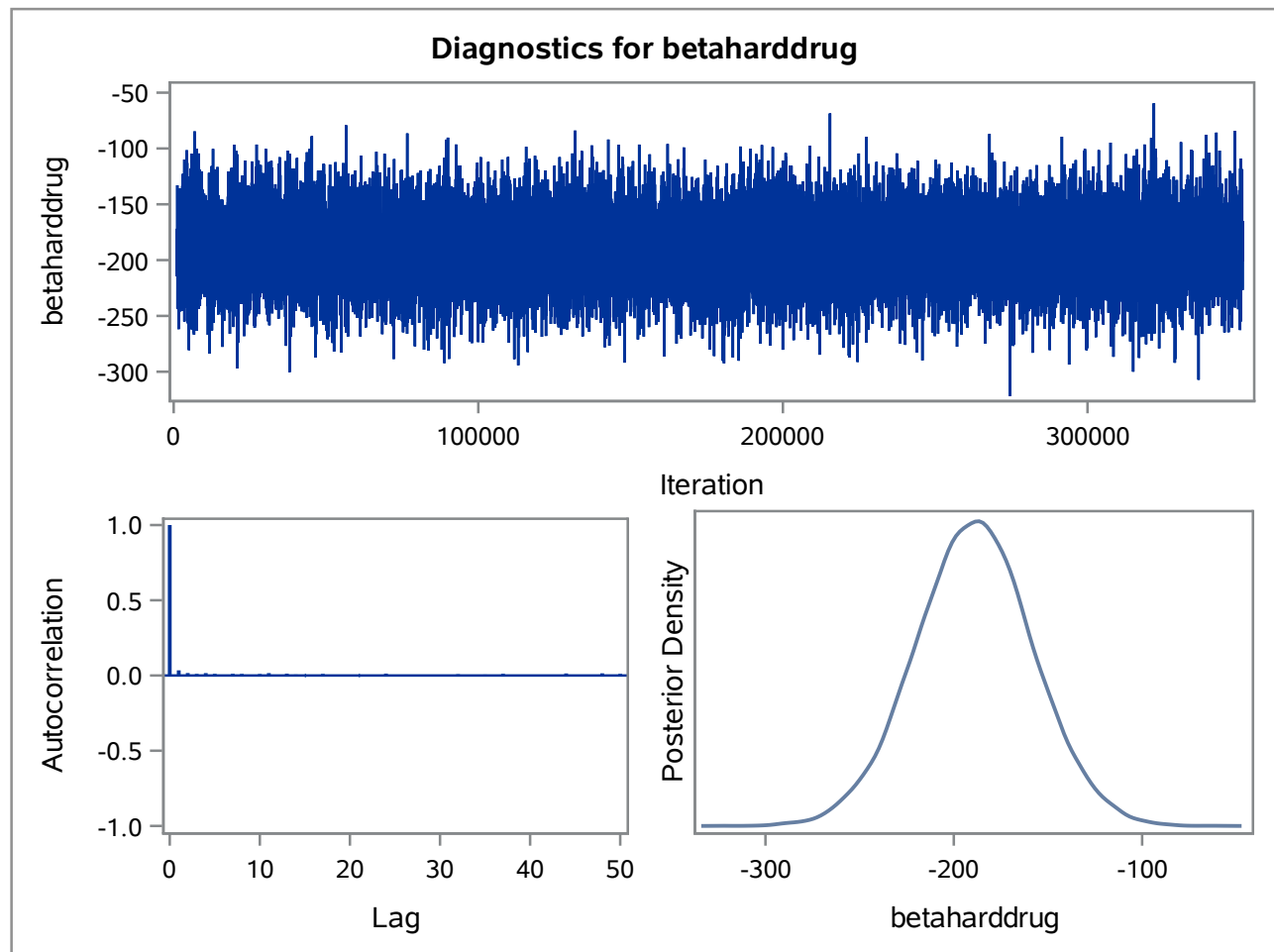
Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
betaint	703.0	24.8928	0.0402
betaharddrug	14901.4	1.1744	0.8515
betabase	5696.0	3.0723	0.3255
betahash	14326.6	1.2215	0.8187
betabmi	1074.0	16.2947	0.0614
betasmoke	6865.7	2.5489	0.3923
betadrink	17500.0	1.0000	1.0000
betarace	8094.9	2.1619	0.4626
betaeduc	4854.7	3.6048	0.2774
betaage	1123.1	15.5825	0.0642
betaadh	15965.3	1.0961	0.9123
betaincomemid	5668.8	3.0871	0.3239
betaincomehigh	5545.7	3.1556	0.3169
sigma2	17500.0	1.0000	1.0000

Deviance Information Criterion	
Dbar (posterior mean of deviance)	5394.672
Dmean (deviance evaluated at posterior mean)	5380.754
pD (effective number of parameters)	13.918
DIC (smaller is better)	5408.589

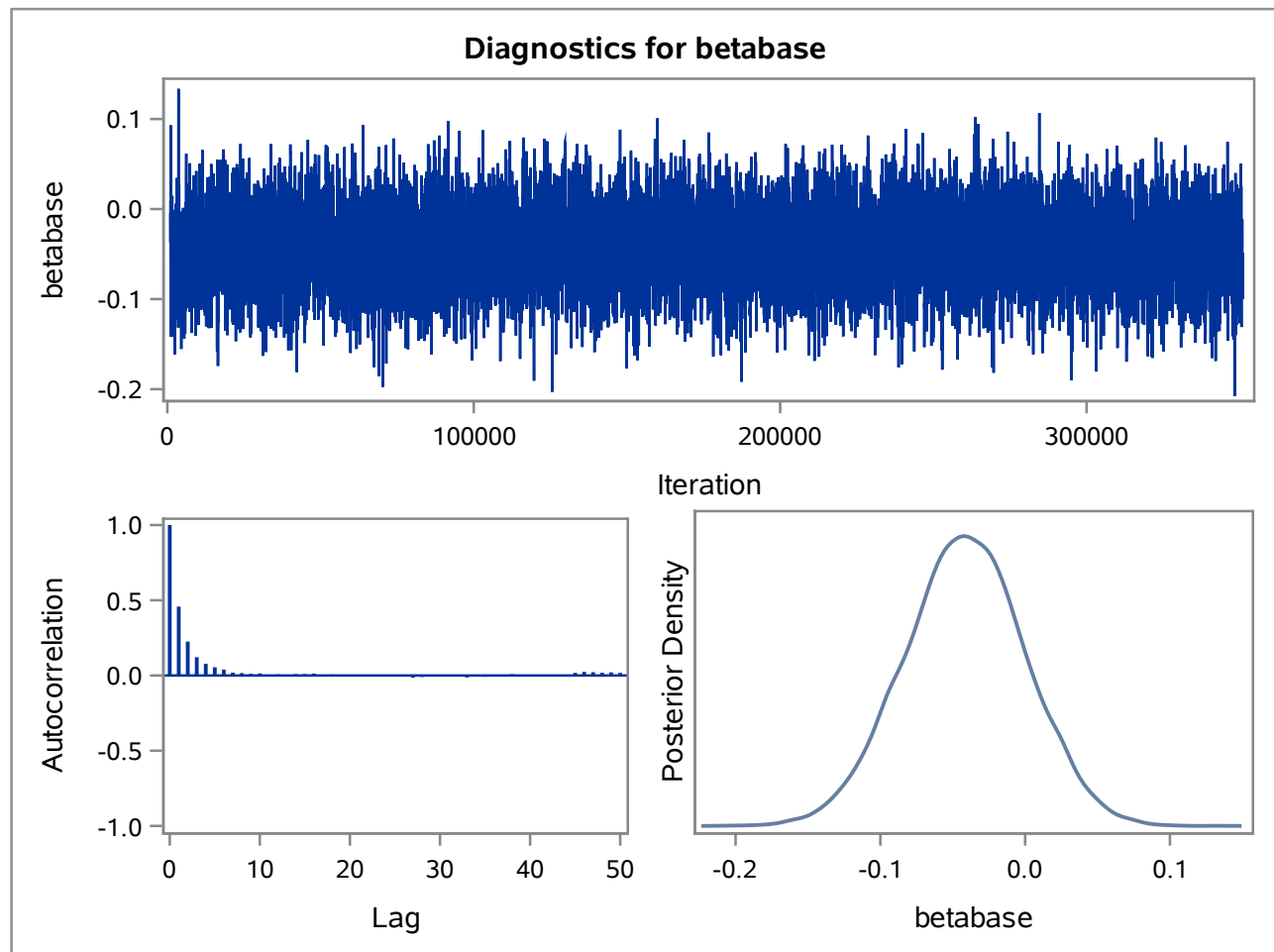
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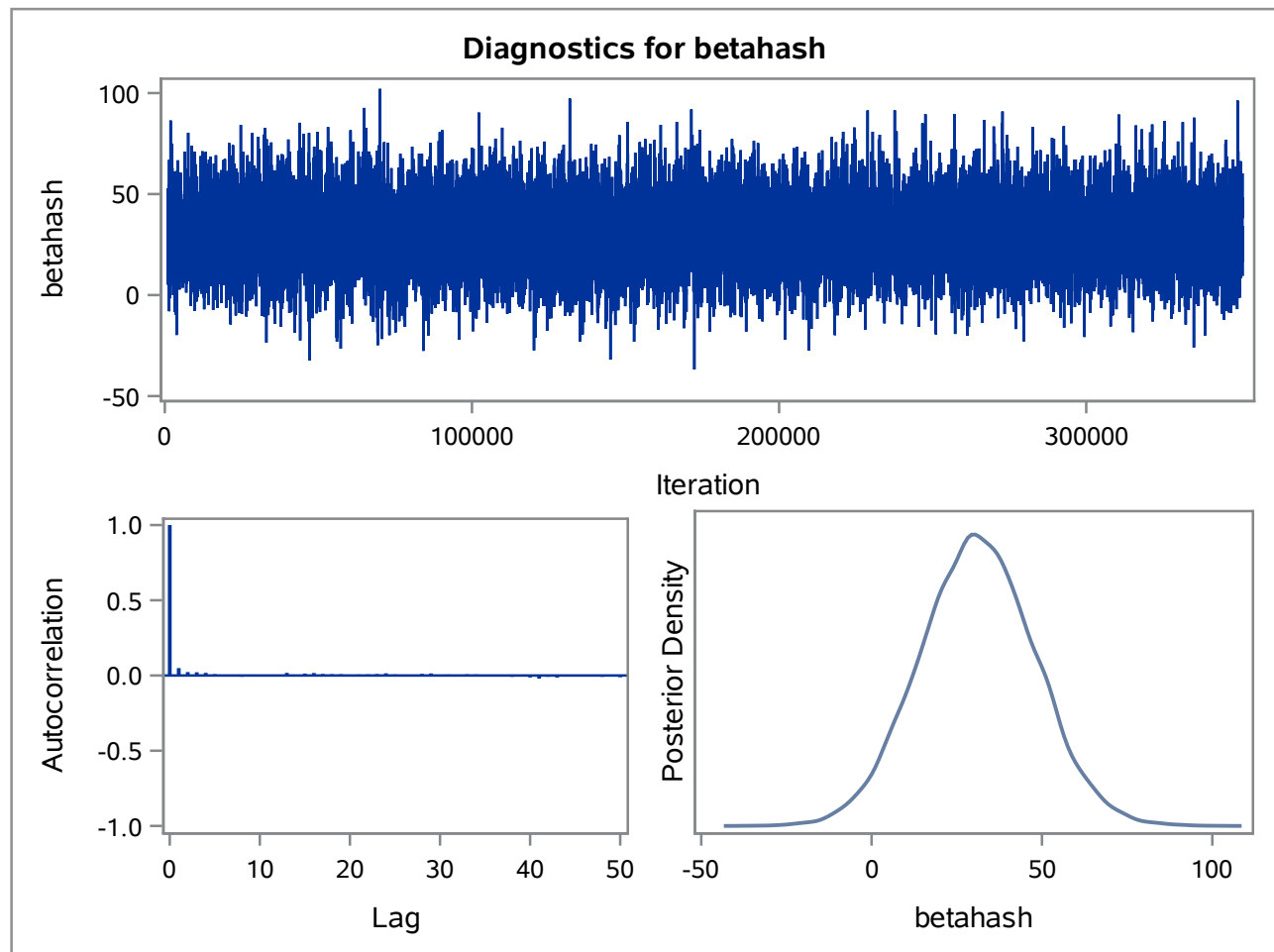
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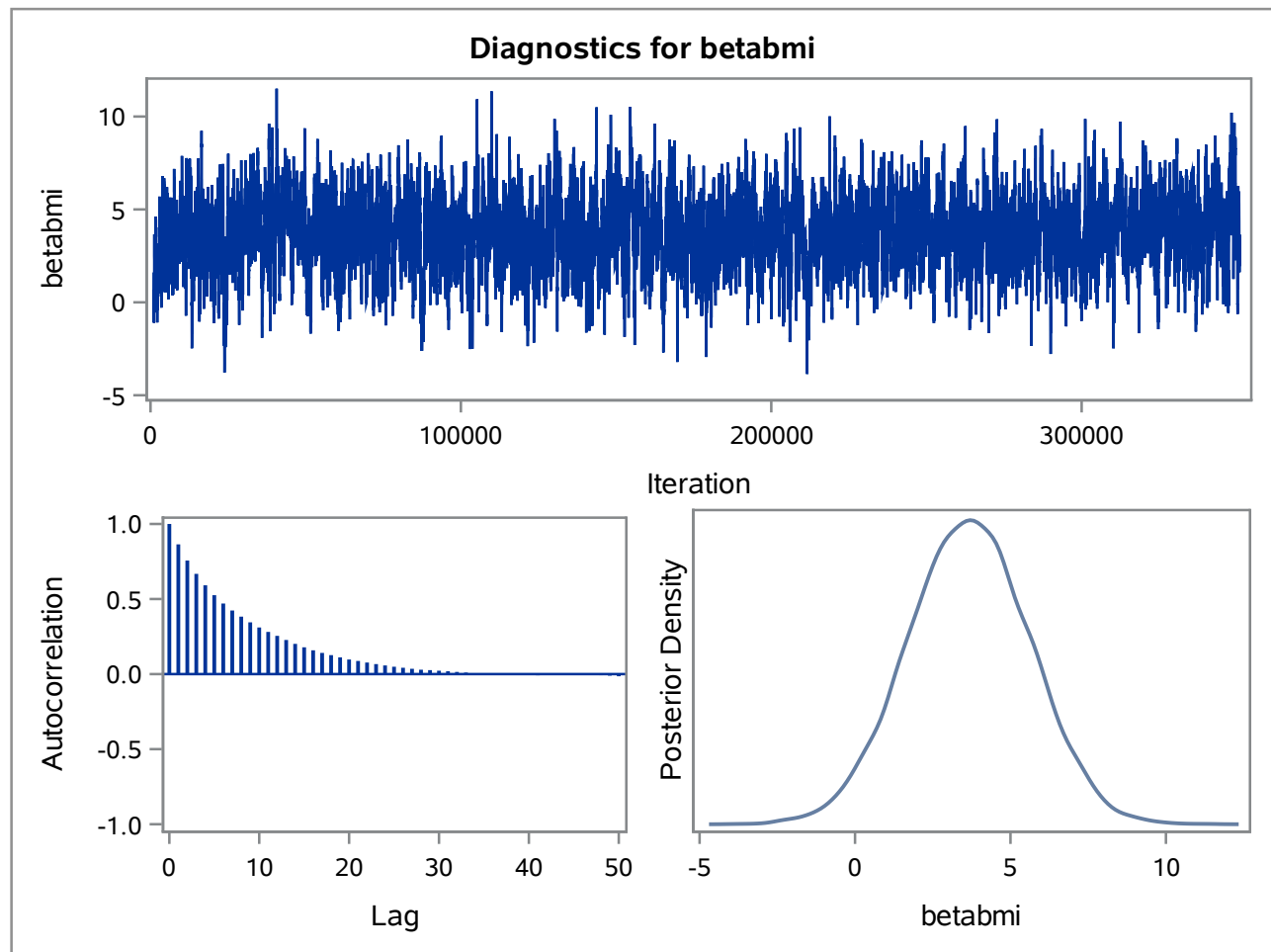
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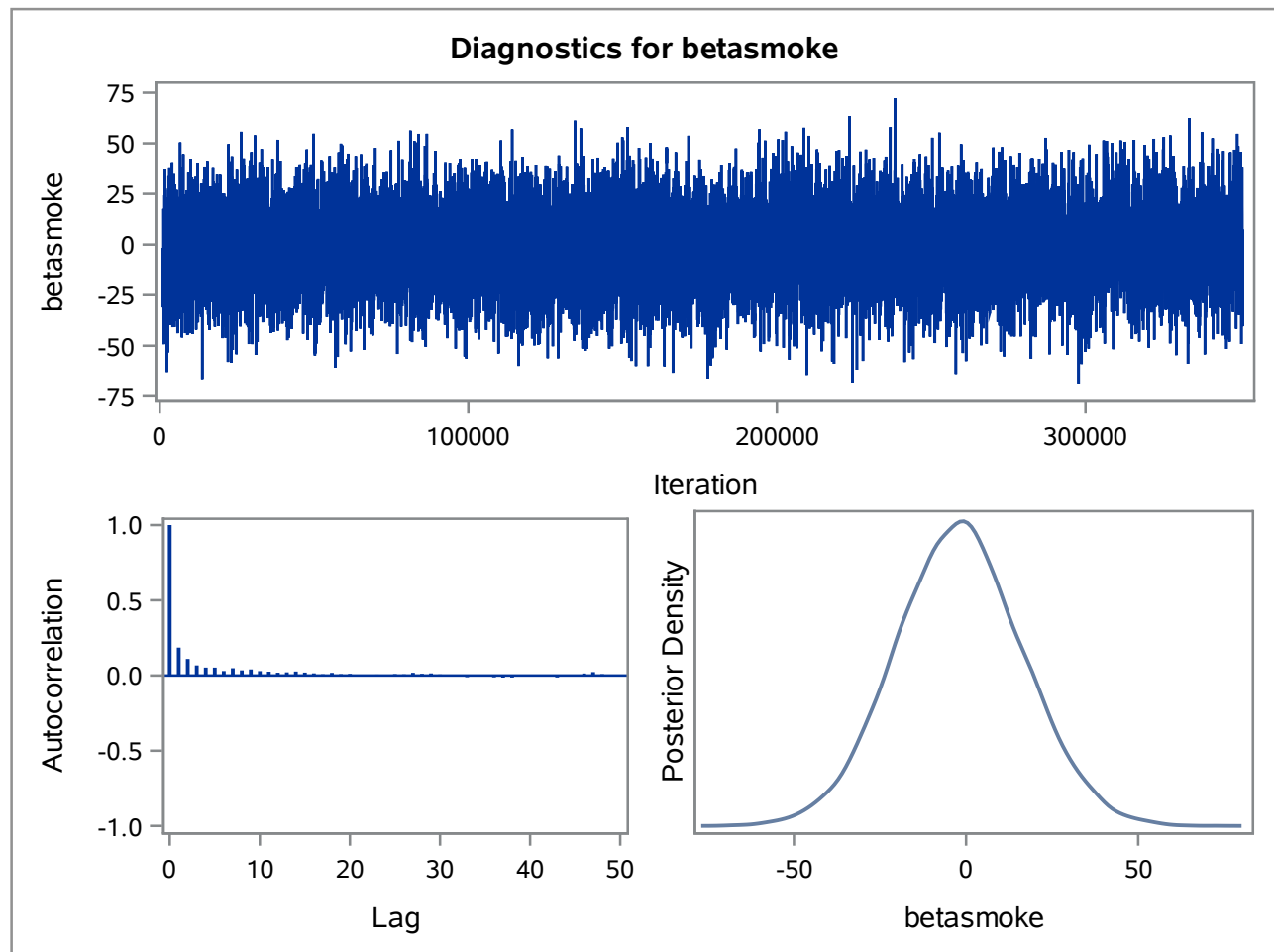
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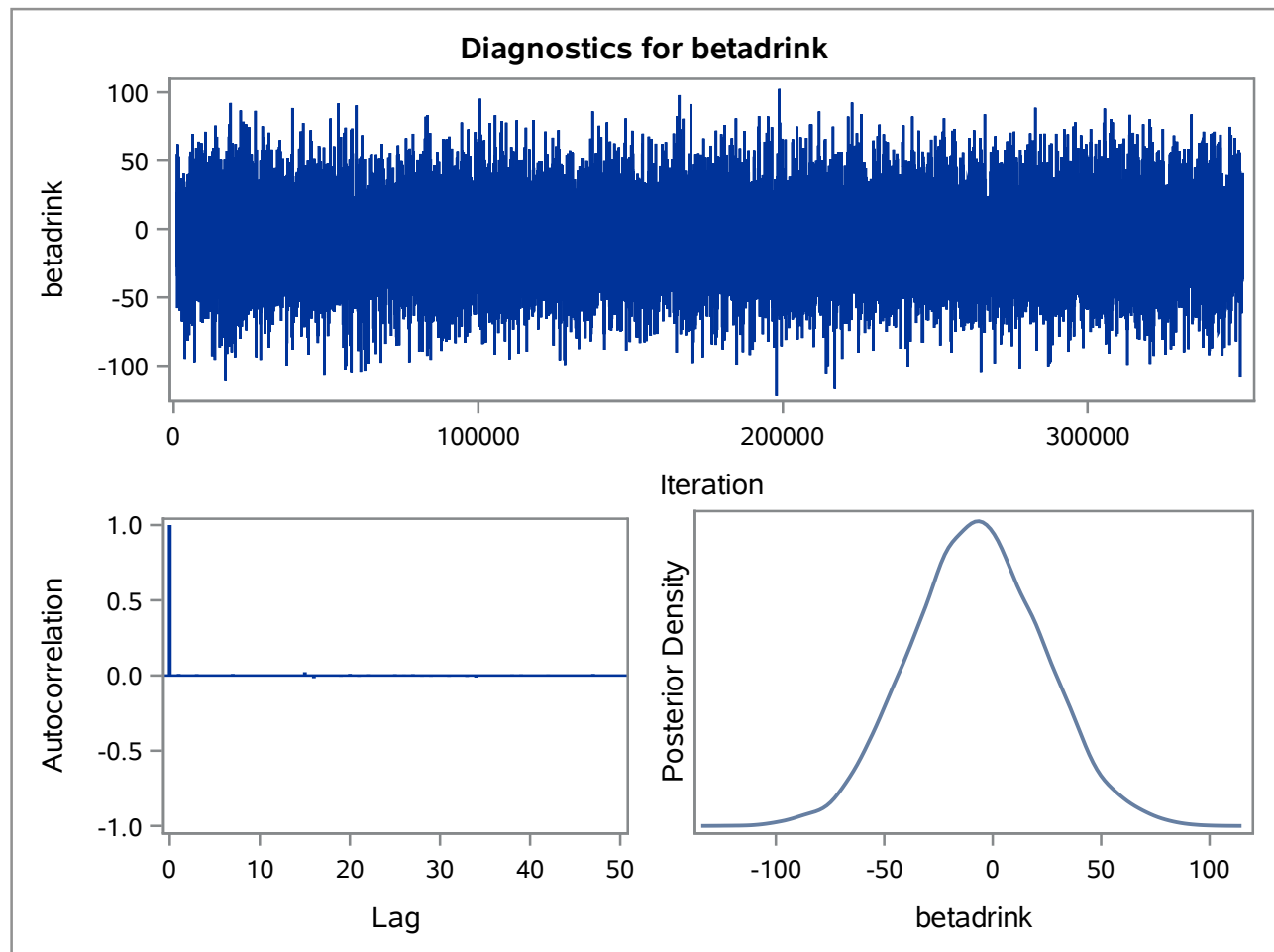
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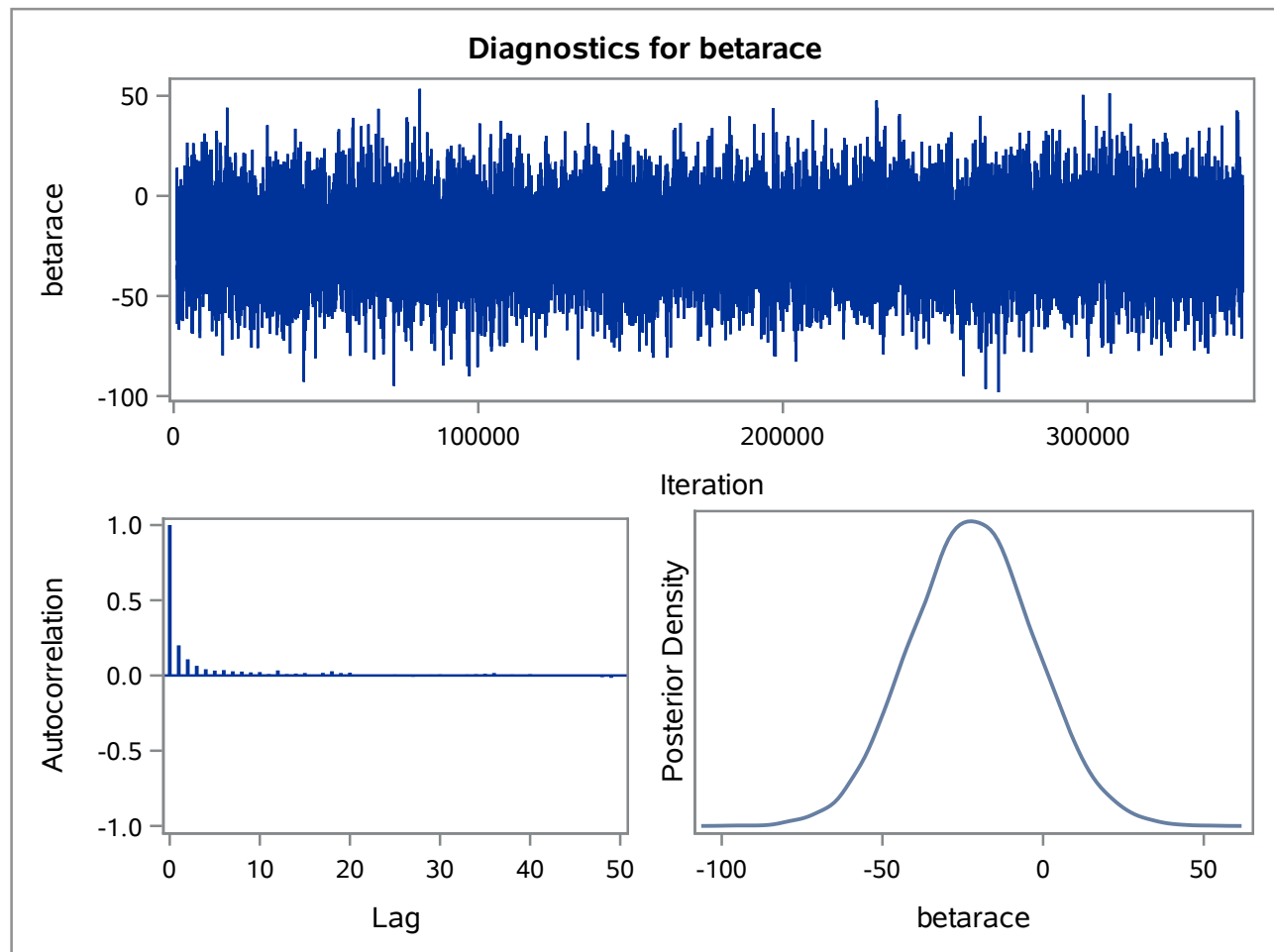
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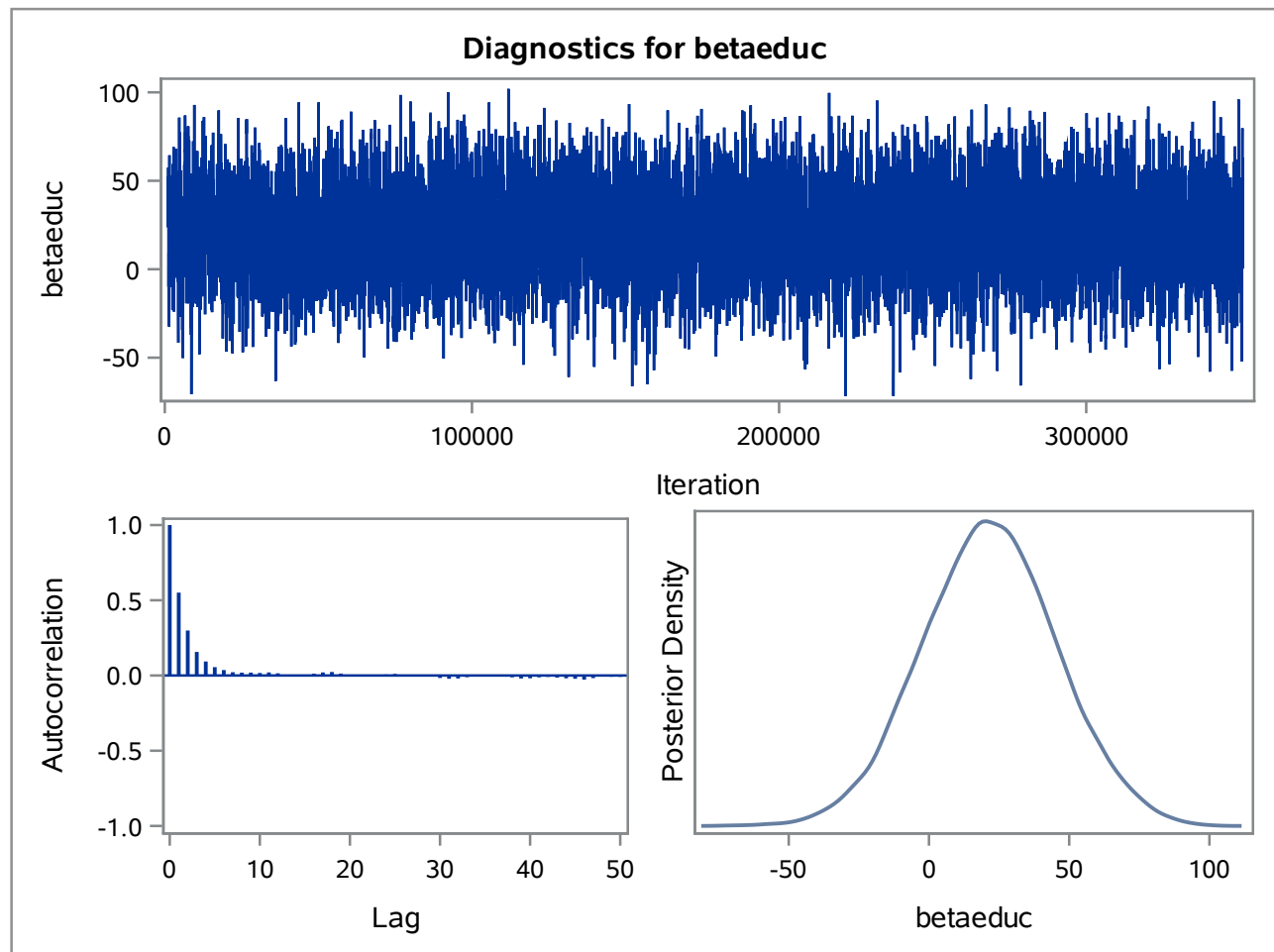
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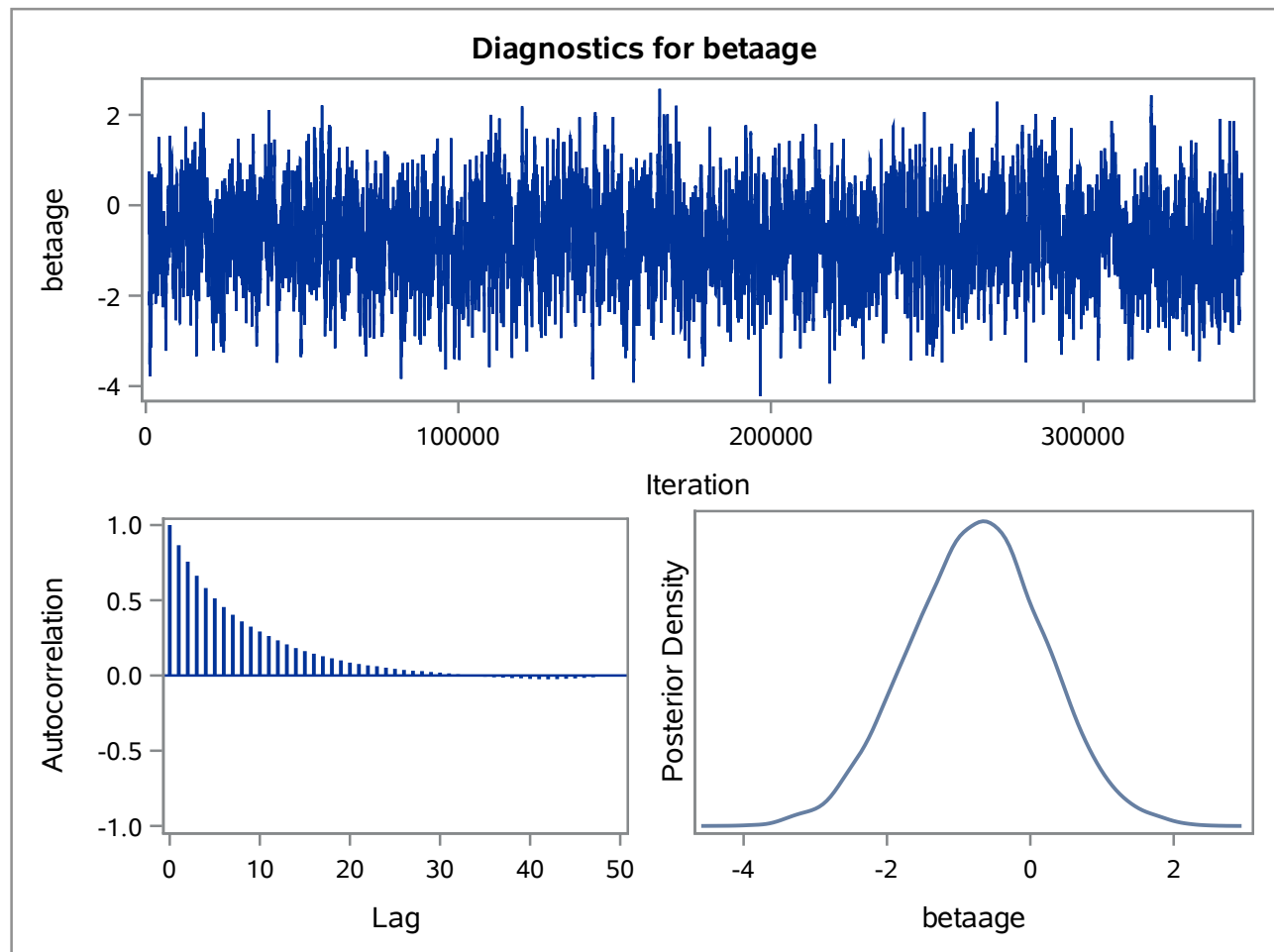
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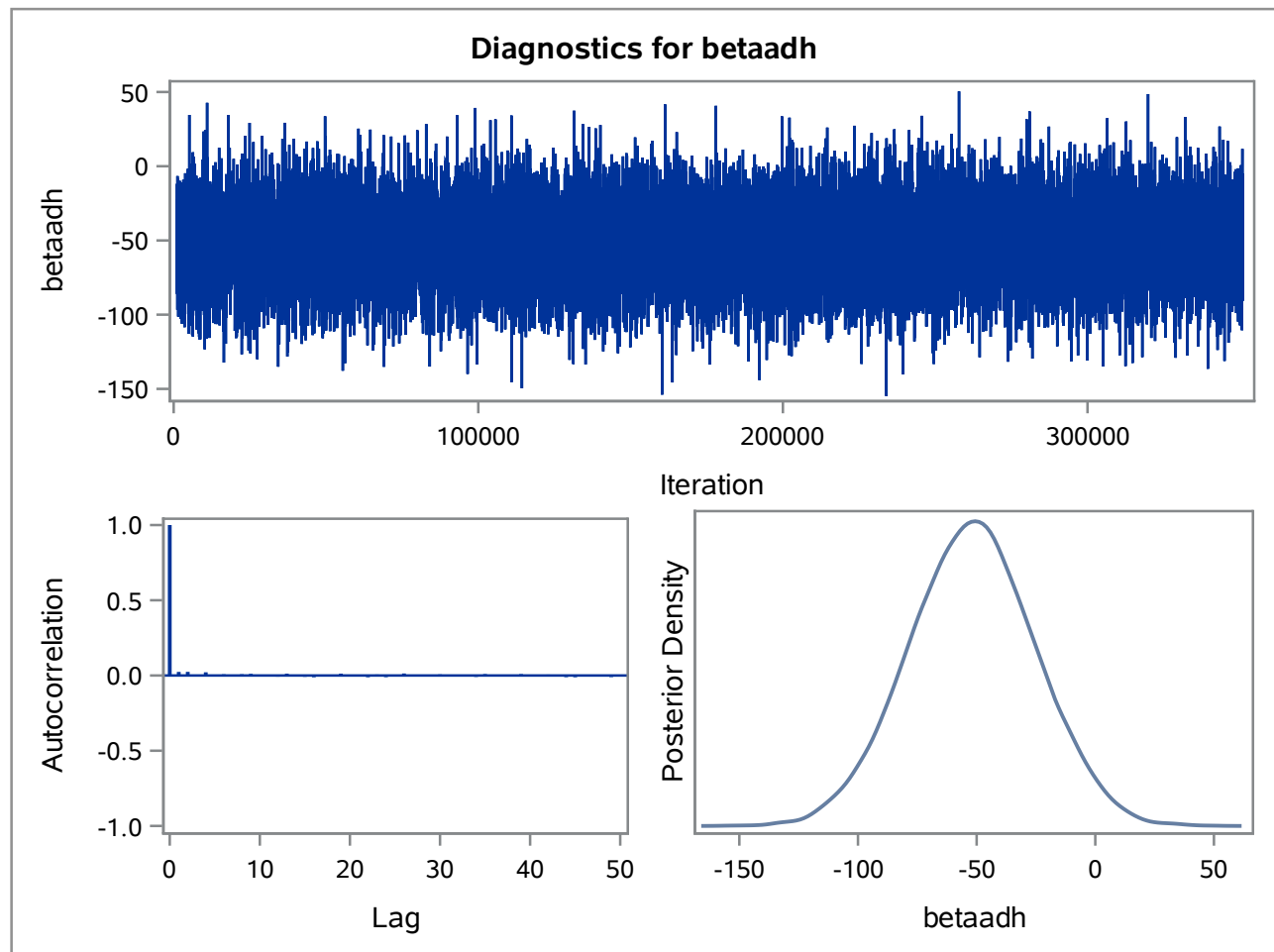
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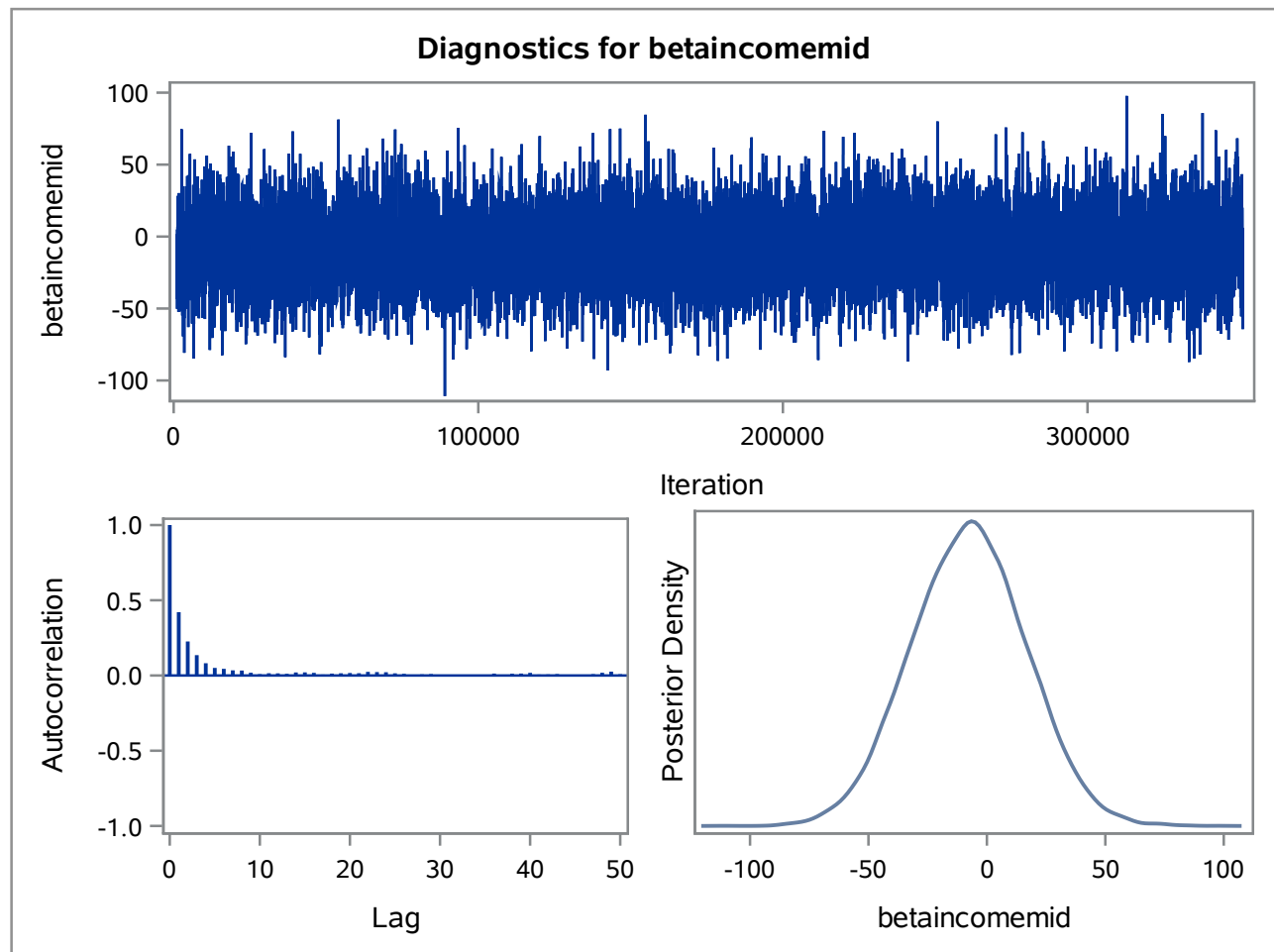
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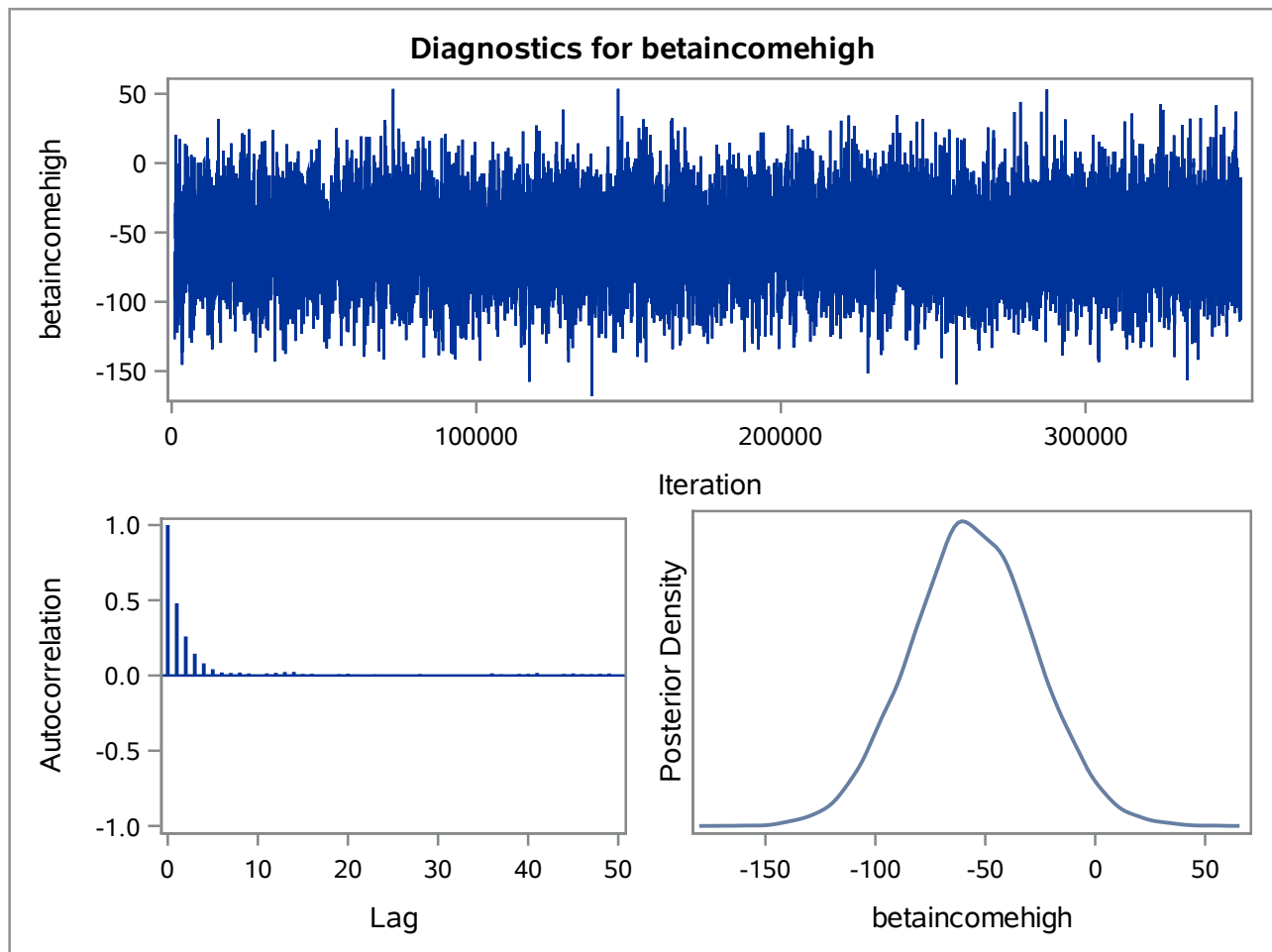
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