

The MCMC Procedure

Number of Observations Read	651
Number of Observations Used	651

Missing Data Information Table				
Variable	Number of Missing Obs	Observation Indices	Sampling Method	Threads
PA_m	271	24 25 26 27 31 34 35 36 37 38 39 40 50 56 69 70 72 73 78 87 ...	Direct	12

Parameters					
Block	Parameter	Sampling Method	Threads	Initial Value	Prior Distribution
1	a0	N-Metropolis	12	0.4050	normal(0,var=100)
	a1			0.3872	normal(0,var=100)
	a2			0.0258	normal(0,var=100)
	a3			0.0945	normal(0,var=100)
	a6			-0.9483	normal(0,var=100)
	a7a			0.0112	normal(0,var=100)
	a7b			-0.6152	normal(0,var=100)
	a7c			0.5691	normal(0,var=100)
	a7d			-1.4874	normal(0,var=100)
	a7e			-0.4449	normal(0,var=100)
	a8c			-0.0629	normal(0,var=100)
	alp0			2.2103	normal(0,var=100)
	b0	N-Metropolis	12	0.5000	normal(0,var=100)
	b1			0	normal(0,var=100)
	b2			0	normal(0,var=100)
	b3			0	normal(0,var=100)
	b6			0	normal(0,var=100)
	b7a			0	normal(0,var=100)
	b7b			0	normal(0,var=100)
	b7c			0	normal(0,var=100)
	b7d			0	normal(0,var=100)
	b7e			0	normal(0,var=100)
	b8c			0	normal(0,var=100)

	alp_b0			1.0000	normal(0,var=100)
3	tau0	N-Metropolis	12	0.4318	normal(0,var=100)
	tau1			0	normal(0,var=100)
	tau2			0	normal(0,var=100)
	tau3			0	normal(0,var=100)
	tau6			0	normal(0,var=100)
	tau7a			0	normal(0,var=100)
	tau7b			0	normal(0,var=100)
	tau7c			0	normal(0,var=100)
	tau7d			0	normal(0,var=100)
	tau7e			0	normal(0,var=100)
	tau8c			0	normal(0,var=100)
4	rhoba	Slice	12	0	uniform(-1,1)

Random Effect Parameters						
Parameter	Sampling Method	Threads	Subject	Number of Subjects	Subject Values	Prior Distribution
b	N-Metropolis	12	MRID	84	30886 30980 30997 31009 31052 31309 31540 31641 31738 31820 31915 32001 32113 32137 32146 32336 32399 32407 32433 32627 ...	MVNormal (mu,cov)

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Posterior Summaries and Intervals					
Parameter	N	Mean	Standard Deviation	95% HPD Interval	
a0	10000	1.1519	0.5863	0.0220	2.3090
a1	10000	-0.6644	0.2400	-1.1323	-0.1877
a2	10000	-0.4818	0.5133	-1.4866	0.5205
a3	10000	-1.1323	0.5587	-2.2675	-0.0798
a6	10000	-0.5974	0.4238	-1.4512	0.1979
a7a	10000	0.8292	0.6825	-0.4893	2.1858
a7b	10000	0.1145	0.6773	-1.2278	1.4365
a7c	10000	0.9939	0.5893	-0.1602	2.1566
a7d	10000	-1.0211	0.7612	-2.5213	0.5020
a7e	10000	0.0206	0.4881	-0.9609	0.9721
a8c	10000	0.3849	0.5531	-0.7346	1.4267
alp0	10000	1.3444	0.2845	0.7622	1.8809
b0	10000	1.3180	0.2906	0.7260	1.8689
b1	10000	-0.1336	0.0860	-0.2962	0.0403
b2	10000	0.00479	0.2893	-0.5502	0.5764
b3	10000	-0.1358	0.2980	-0.7078	0.4615
b6	10000	0.1372	0.2649	-0.3949	0.6483
b7a	10000	-0.2468	0.3816	-0.9963	0.4946
b7b	10000	0.8895	0.3698	0.1567	1.6008
b7c	10000	-0.1448	0.3283	-0.7756	0.5235
b7d	10000	0.1829	0.4143	-0.6311	0.9793
b7e	10000	0.3229	0.2859	-0.2141	0.9056
b8c	10000	0.3027	0.2852	-0.2383	0.8711
alp_b0	10000	-0.0485	0.2636	-0.5628	0.4640
tau0	10000	-0.3586	0.2148	-0.7912	0.0579
tau1	10000	0.1441	0.2269	-0.3091	0.5707
tau2	10000	-0.3327	0.2232	-0.7597	0.1029
tau3	10000	0.0829	0.2437	-0.3871	0.5684
tau6	10000	0.7451	0.2191	0.3224	1.1825
tau7a	10000	-0.4072	0.2812	-0.9276	0.1749

personality does not predict whether or not someone engages in PA

conscientiousness predicts time spent engaged (conditional that any positive amount of time was spent); higher conscientiousness = greater time spent

tau7b	10000	2.5627	0.2208	2.1485	3.0083
tau7c	10000	0.1404	0.2809	-0.4026	0.6898
tau7d	10000	0.7271	0.2851	0.1912	1.3061
tau7e	10000	1.6699	0.1999	1.2810	2.0593
tau8c	10000	0.0690	0.2317	-0.3894	0.5167
rhoba	10000	-0.0506	0.1714	-0.3747	0.2868

higher
conscientiousness =
greater day-to-day
variability in time spent

higher agreeableness
= greater day-to-day
variability in time spent

higher neuroticism =
greater day-to-day
variability in time spent

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Effective Sample Sizes			
Parameter	ESS	Autocorrelation Time	Efficiency
a0	10000.0	1.0000	1.0000
a1	9768.5	1.0237	0.9768
a2	9476.0	1.0553	0.9476
a3	10000.0	1.0000	1.0000
a6	9633.4	1.0381	0.9633
a7a	10000.0	1.0000	1.0000
a7b	10000.0	1.0000	1.0000
a7c	10414.5	0.9602	1.0414
a7d	10000.0	1.0000	1.0000
a7e	9768.3	1.0237	0.9768
a8c	10000.0	1.0000	1.0000
alp0	10000.0	1.0000	1.0000
b0	3013.8	3.3181	0.3014
b1	9494.7	1.0532	0.9495
b2	2190.9	4.5644	0.2191
b3	5120.0	1.9531	0.5120
b6	2188.8	4.5686	0.2189
b7a	4035.7	2.4779	0.4036
b7b	1363.6	7.3333	0.1364
b7c	1575.2	6.3484	0.1575
b7d	1686.3	5.9303	0.1686
b7e	2682.3	3.7282	0.2682
b8c	3032.2	3.2979	0.3032
alp_b0	4165.3	2.4008	0.4165
tau0	10000.0	1.0000	1.0000
tau1	10000.0	1.0000	1.0000
tau2	9637.9	1.0376	0.9638
tau3	9760.7	1.0245	0.9761
tau6	9775.3	1.0230	0.9775
tau7a	9559.7	1.0461	0.9560

tau7b	10000.0	1.0000	1.0000
tau7c	10000.0	1.0000	1.0000
tau7d	10000.0	1.0000	1.0000
tau7e	10000.0	1.0000	1.0000
tau8c	10000.0	1.0000	1.0000
rhoba	9214.5	1.0852	0.9214

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