Summary statistics group level parameters

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go	468.9803	66.4754	335.9897	436.9512	470.0541	501.5971	595.9274
mu_go_var	153.1407	72.3054	73.1083	107.6577	132.0028	171.5632	380.1714
mu_stop	456.2067	164.4019	113.7405	365.9047	453.812	541.6751	833.6039
mu_stop_var	302.6333	112.7433	111.6553	208.0353	299.9794	400.1116	490.627
sigma_go	92.3871	65.0282	5.521	43.8624	85.422	127.0244	248.4102
sigma_go_var	175.8385	95.335	68.7215	109.8518	146.2247	210.6678	445.734
sigma_stop	116.5789	87.5698	6.317	51.9077	101.9528	156.8282	359.3644
sigma_stop_var	186.494	121.6572	35.0707	94.6738	147.1083	253.0712	474.5072
tau_go	136.8171	103.7152	6.6984	56.9933	117.7519	187.9826	412.145
tau_go_var	284.5198	114.282	102.018	187.0541	272.8124	383.0759	488.021
tau_stop	278.1527	135.9384	22.5922	170.3364	287.2852	393.4658	489.3552
tau_stop_var	324.25	108.3403	117.9342	239.1668	330.7956	416.1554	491.4926

Summary statistics Subject 1

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.1	515.0761	19.1511	482.8199	501.6854	512.6544	526.1786	558.5901
mu_stop_subj.1	282.3798	88.8076	158.8798	215.9979	262.0827	329.8745	500.3969
sigma_go_subj.1	78.7674	8.2412	62.9322	73.0214	78.7086	84.611	94.4914
sigma_stop_subj.1	150.9512	67.7394	20.4181	104.532	152.0592	198.0415	281.9841
tau_go_subj.1	45.3124	19.3707	4.4211	33.3746	47.2251	58.6373	79.8762
tau_stop_subj.1	317.5353	126.646	37.0023	233.6634	340.1287	421.5897	492.304
mean go	560.3885	6.9189	536.225	555.6646	560.2743	564.9794	594.3621
sd go	93.0795	6.0679	74.3127	88.9644	92.4923	96.5796	137.2394
mean SSRT	599.9151	58.8007	436.53	556.2545	600.7715	642.772	831.2456
sd SSRT	369.9162	86.0423	150.3352	300.659	373.5896	441.7677	563.561

Summary statistics Subject 2

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.2	441.4792	17.6128	407.4924	429.2696	441.4925	453.4749	476.4607
mu_stop_subj.2	596.7622	99.0769	444.4951	526.5181	579.4795	651.2394	834.8121
sigma_go_subj.2	104.642	11.8266	82.2484	96.5893	104.2974	112.5274	128.4431
sigma_stop_subj.2	141.8807	96.7325	7.6348	63.5616	127.7669	202.9352	364.2764
tau_go_subj.2	169.2027	22.6245	126.5685	153.7003	168.3916	184.361	215.6501
tau_stop_subj.2	293.3842	119.347	52.2478	203.9776	299.9813	388.2224	487.8337
mean go	610.6819	14.1371	561.357	600.8331	610.1358	619.7271	681.1821
sd go	199.8914	16.5717	152.908	188.079	198.4056	210.6603	267.316
mean SSRT	890.1464	96.2617	658.54	818.884	879.162	948.5988	1374.4892
sd SSRT	344.0942	106.7854	53.7343	260.0607	344.5551	427.7521	666.9597

Summary statistics Subject 3

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.3	193.9809	21.0508	154.2019	179.095	193.8728	208.2112	235.7505
mu_stop_subj.3	718.2137	130.6715	479.0674	618.5892	712.9414	813.8118	965.5855
sigma_go_subj.3	121.5068	14.5447	94.9144	111.5055	121.2211	130.8261	151.1859
sigma_stop_subj.3	143.0399	91.9348	10.162	70.4145	130.0817	201.7251	351.1467
tau_go_subj.3	169.4662	22.8933	126.7629	153.4618	168.8394	184.7079	215.6144
tau_stop_subj.3	311.875	123.9517	52.063	222.663	325.8277	416.6286	491.818
mean go	363.4471	13.4245	319.59	354.1127	363.135	371.9977	422.7535
sd go	209.7809	14.4997	166.1709	199.4	208.5697	218.7195	286.3079
mean SSRT	1030.0886	131.7935	652.0267	936.9002	1018.3322	1113.5884	1483.1422
sd SSRT	358.7256	113.3895	19.2341	276.0828	367.1013	450.0663	677.589

Summary statistics Subject 4

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.4	482.4463	8.044	467.165	476.9516	482.4522	487.8239	498.3612
mu_stop_subj.4	543.7748	103.1825	373.7871	467.0274	533.2226	614.1356	766.3049
sigma_go_subj.4	30.826	6.6643	18.9187	26.2568	30.3668	34.9012	45.3846
sigma_stop_subj.4	196.0768	97.4455	17.6484	125.512	194.9038	262.727	387.5701
tau_go_subj.4	241.9348	25.1259	197.3108	224.1113	240.3962	258.1895	293.7441
tau_stop_subj.4	265.7729	126.6272	28.5737	169.4399	266.3342	364.7116	483.813
mean go	724.381	22.3594	663.4735	708.3557	722.9376	738.8587	816.5106
sd go	244.026	24.6925	176.4315	226.4357	242.3917	260.1113	346.2512
mean SSRT	809.5476	65.6478	629.8169	762.4248	802.7816	851.1916	1157.3119
sd SSRT	352.679	101.1299	86.0873	276.834	349.2006	427.915	659.1846

Summary statistics Subject 5

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.5	547.5235	46.1791	460.5843	515.7088	546.2185	576.6991	642.6772
mu_stop_subj.5	329.9441	117.7598	151.3347	239.3306	312.0674	406.0394	587.9552
sigma_go_subj.5	226.3666	24.951	180.2448	209.0106	225.6012	242.2542	276.693
sigma_stop_subj.5	166.7973	83.4014	15.602	102.7645	169.093	229.4129	319.4152
tau_go_subj.5	242.8055	61.3631	132.6288	201.3537	239.1919	280.2188	375.4873
tau_stop_subj.5	307.4249	124.7797	40.2362	223.1319	325.0713	409.8989	488.6214
mean go	790.329	34.4523	687.8664	766.4178	787.574	810.7176	969.6597
sd go	336.2418	39.0572	240.2391	308.3993	330.9597	357.982	536.5421
mean SSRT	637.369	44.8988	486.1997	606.3016	635.9889	667.2898	826.394
sd SSRT	372.9895	75.7242	159.0187	313.7652	371.9383	433.5682	591.9659

Summary statistics Subject 6

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.6	514.077	47.4148	429.6642	480.5082	511.6231	542.9872	617.6553
mu_stop_subj.6	422.8112	104.7979	234.5191	345.8726	420.6144	495.7349	632.1637
sigma_go_subj.6	280.3051	33.2071	219.7273	256.8437	277.9141	301.1997	351.987
sigma_stop_subj.6	165.4046	85.4777	15.0785	102.0291	163.1307	223.1859	336.2603
tau_go_subj.6	412.2636	56.238	290.9657	373.3223	417.8122	458.4847	495.2029
tau_stop_subj.6	307.1641	103.308	90.9878	234.4161	308.7871	386.3384	484.9255
mean go	926.3407	40.7692	776.1603	898.519	925.6033	953.4678	1077.2981
sd go	501.0893	41.3142	355.4283	471.9055	502.9012	532.5288	623.0614
mean SSRT	729.9753	49.0229	558.2307	696.685	728.87	762.6721	951.8954
sd SSRT	365.9413	75.9806	124.3696	309.8355	363.241	423.2004	571.4032

Summary statistics Subject 7

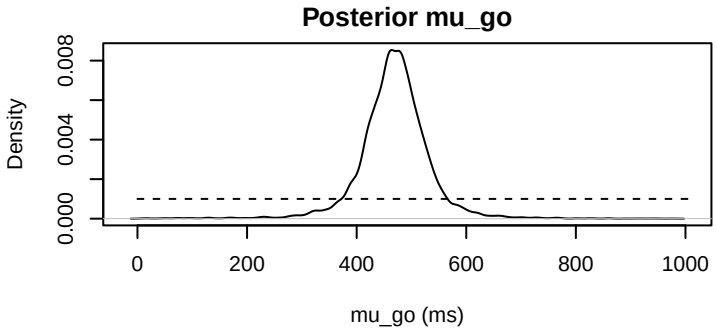
	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.7	550.8353	31.9571	493.4656	528.1453	548.6892	571.2685	618.8073
mu_stop_subj.7	266.579	76.7677	150.7627	210.6903	254.6739	308.8698	460.3747
sigma_go_subj.7	118.4068	14.7003	89.3745	108.1293	118.4331	128.8495	146.1291
sigma_stop_subj.7	127.9317	70.4314	9.7028	73.8304	124.9788	178.1461	267.5895
tau_go_subj.7	87.8145	36.0926	15.6784	64.1189	88.4583	111.8443	159.4444
tau_stop_subj.7	304.9294	107.156	64.7909	235.133	313.8297	385.9636	480.3444
mean go	638.6498	13.2804	595.7772	629.4857	637.978	646.5403	715.4735
sd go	151.7556	14.8467	118.592	141.528	149.1052	159.0841	251.8632
mean SSRT	571.5084	48.2878	444.7811	536.3254	567.4328	604.2449	745.2325
sd SSRT	346.0086	77.8995	134.818	285.9097	342.2351	404.3024	547.5908

Summary statistics Subject 8

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.8	527.202	8.0655	512.8228	521.5892	526.9085	532.258	543.9274
mu_stop_subj.8	694.6111	122.3079	503.9678	599.7999	676.5939	779.2984	959.2547
sigma_go_subj.8	48.3378	5.8312	37.8401	44.3299	48.0494	52.0206	60.5841
sigma_stop_subj.8	191.6323	105.3239	15.3193	109.3193	187.1015	264.2997	408.5563
tau_go_subj.8	93.2998	10.7038	73.2442	86.1618	93.2032	99.8728	115.4612
tau_stop_subj.8	301.694	126.9701	42.8285	210.6933	316.2748	408.1134	490.0428
mean go	620.5017	7.175	598.0861	615.5272	620.2446	625.1059	651.8958
sd go	105.4503	8.3786	79.7192	99.5891	104.9865	110.6986	147.7359
mean SSRT	996.3051	143.9448	654.7984	890.7905	984.6178	1087.2945	1496.0771
sd SSRT	374.8537	120.1667	45.9186	288.9668	383.9838	466.871	692.4269

Summary statistics Subject 9

	Mean	Sd	2.5%	25%	50%	75%	97.5%
mu_go_subj.9	475.19	34.8574	403.7112	450.5729	477.2777	501.4394	534.4814
mu_stop_subj.9	355.8993	23.7067	304.4871	340.3453	358.2784	373.0663	395.0011
sigma_go_subj.9	185.2705	12.6483	159.614	176.9002	185.4378	193.5627	209.6695
sigma_stop_subj.9	36.3219	20.8695	3.8784	21.5354	34.2871	47.7887	86.0418
tau_go_subj.9	54.7814	34.9777	3.7211	26.1134	50.5039	78.0475	130.2695
tau_stop_subj.9	28.4684	20.567	2.4701	12.7085	24.2199	39.2404	78.2955
mean go	529.9714	13.5413	477.7675	520.7035	529.7631	538.6954	582.617
sd go	196.397	11.7327	158.4713	188.3417	195.5406	203.5392	265.2005
mean SSRT	384.3677	14.4244	323.6285	374.4893	384.3257	394.0512	459.9836
sd SSRT	50.4345	21.0851	10.143	35.9026	47.3659	61.5694	205.2424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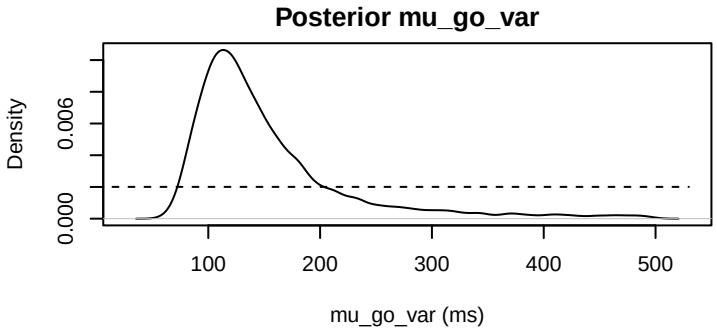
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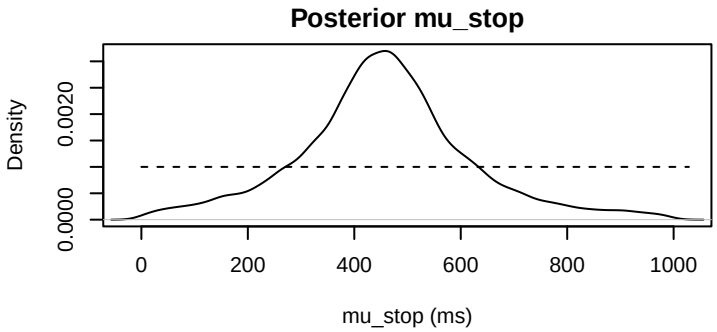
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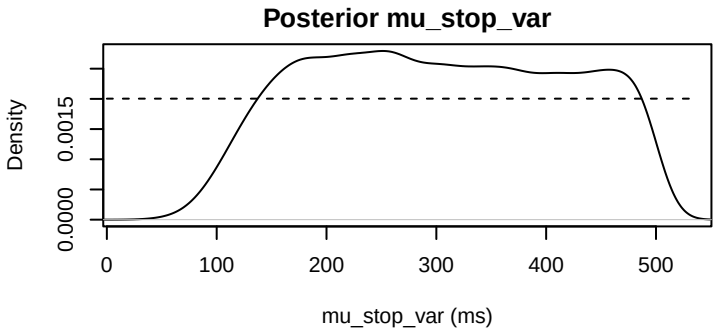
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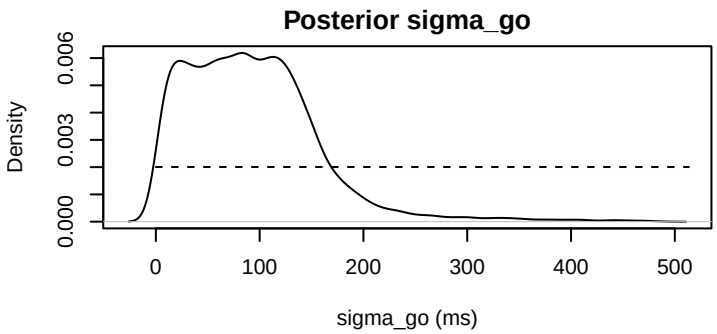
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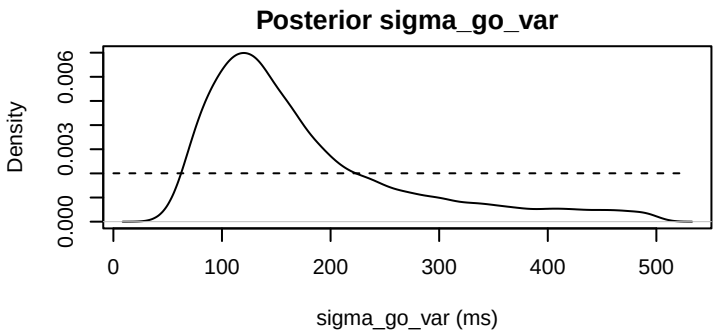
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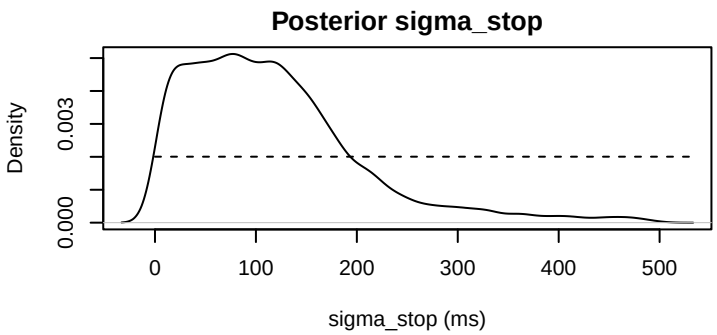
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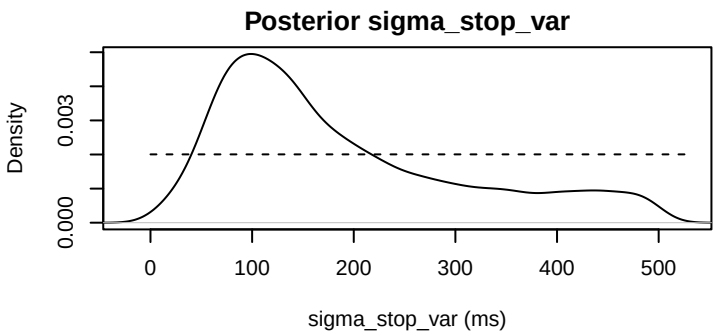
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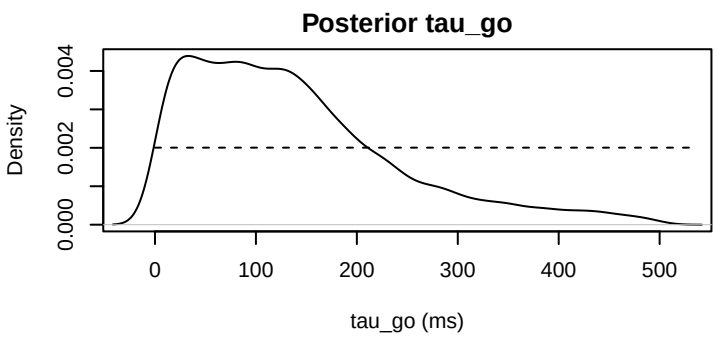
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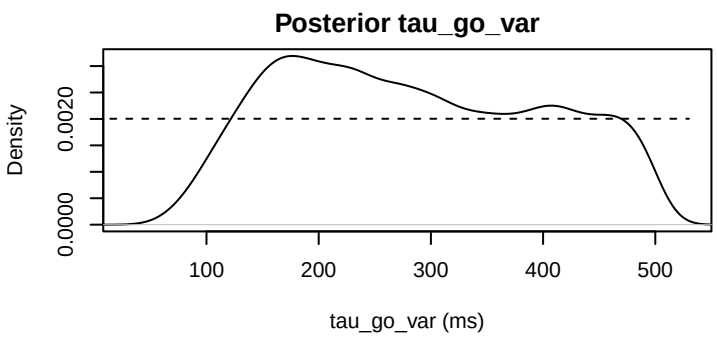
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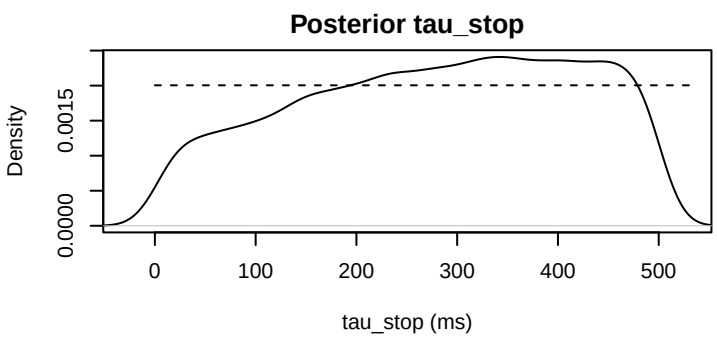
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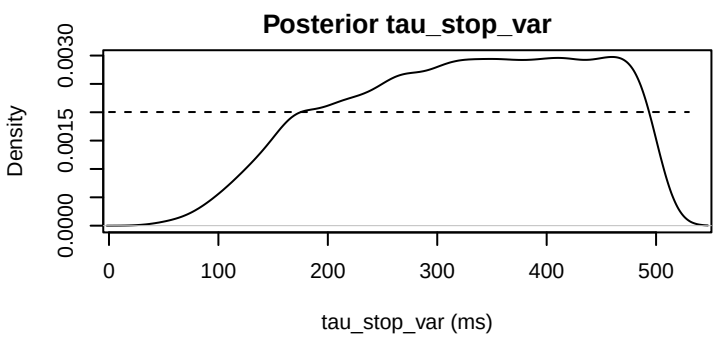
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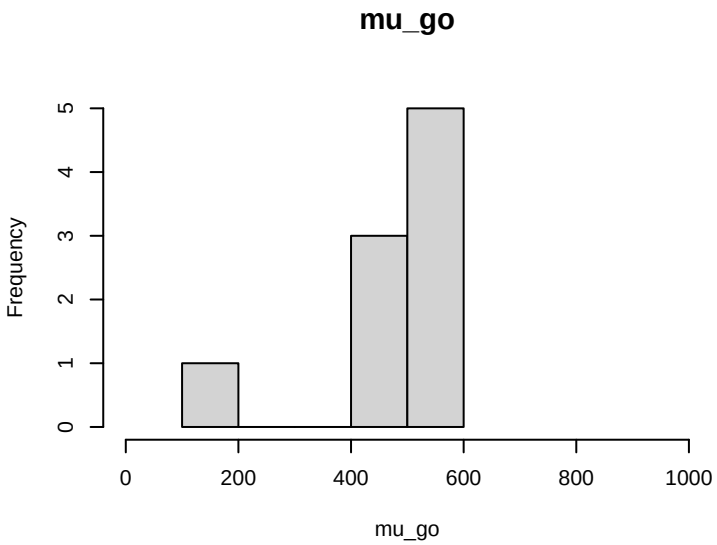
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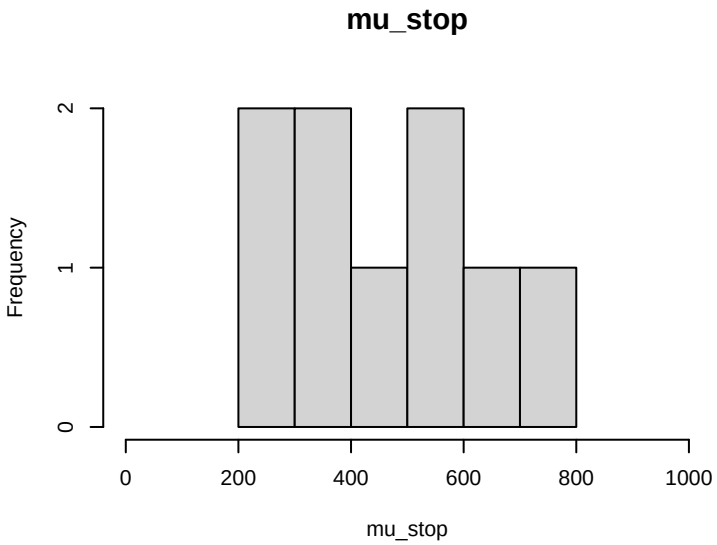
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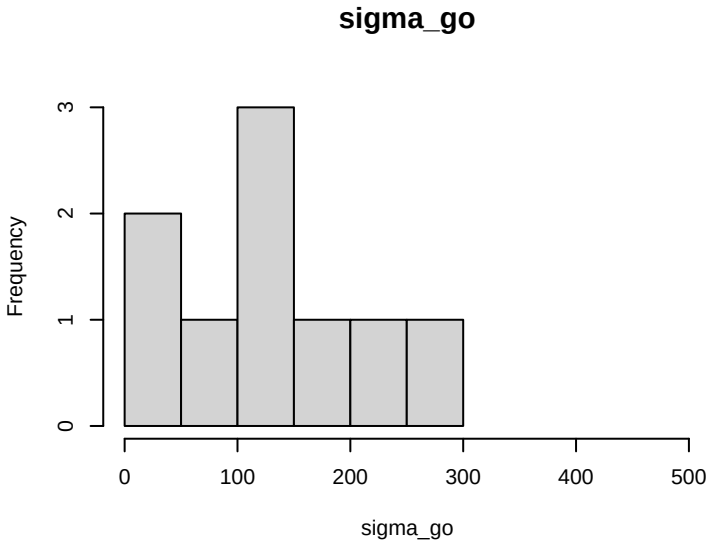
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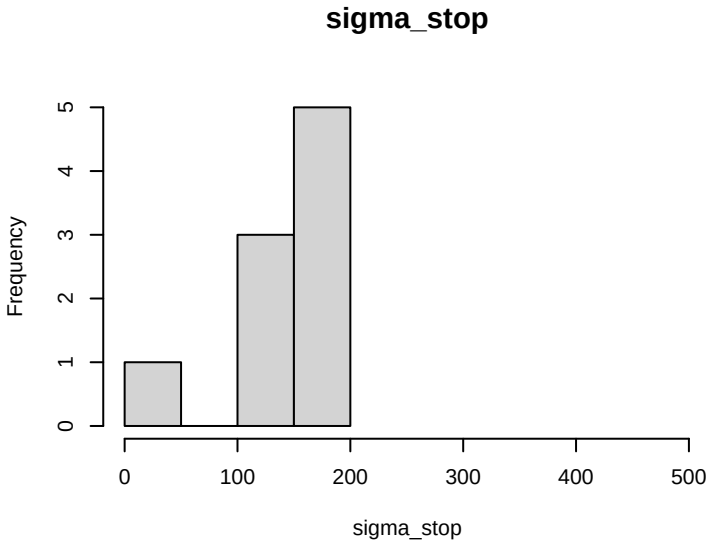
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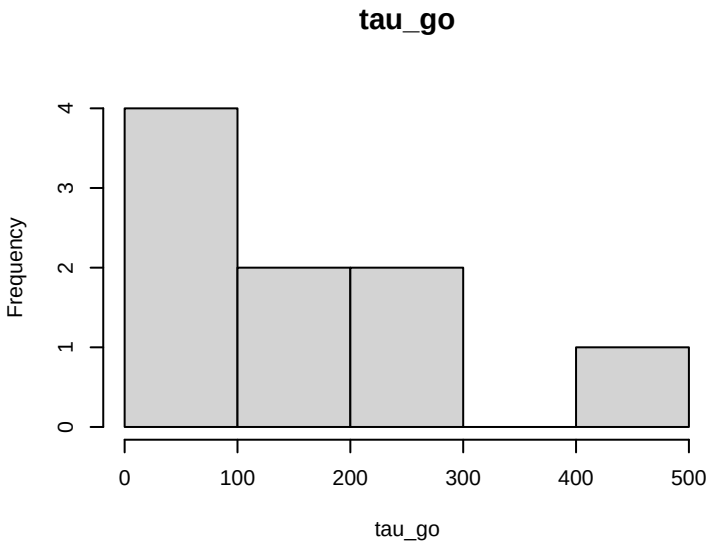
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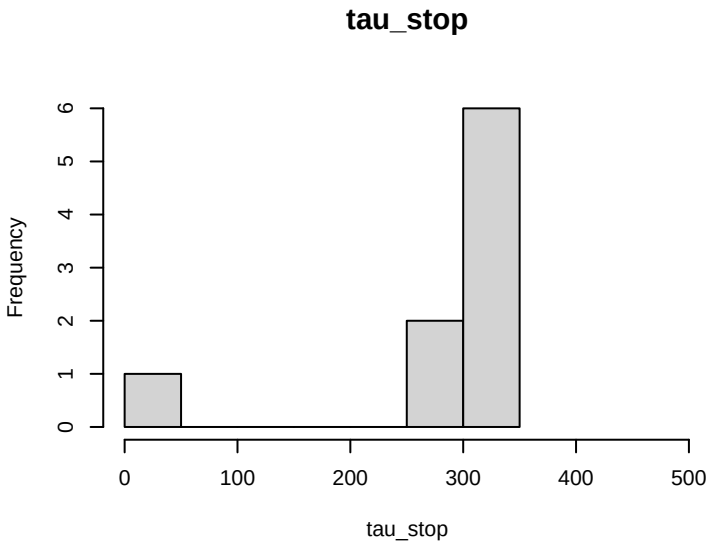
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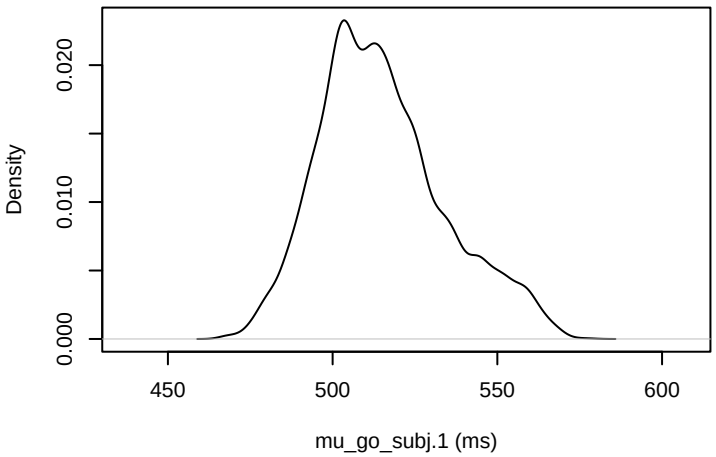
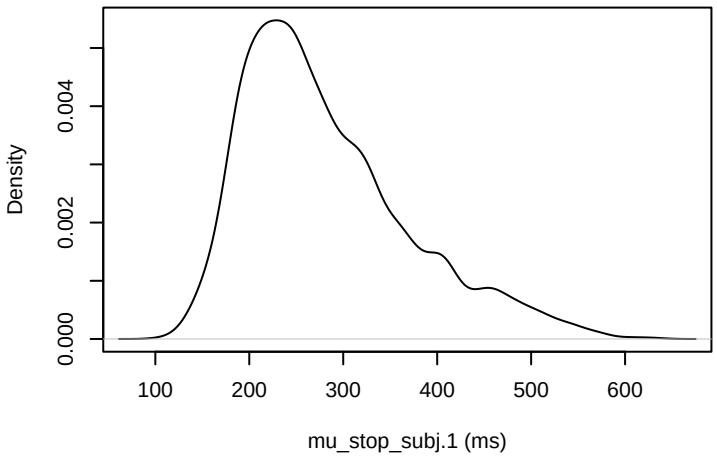
tau_stop

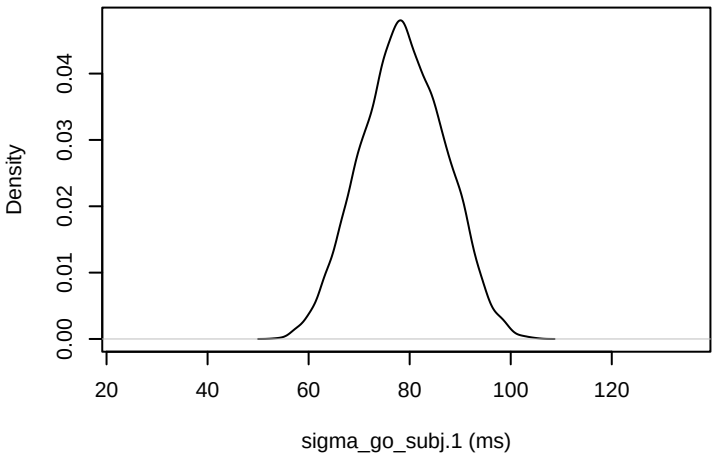
Posterior mu_go_subj.1



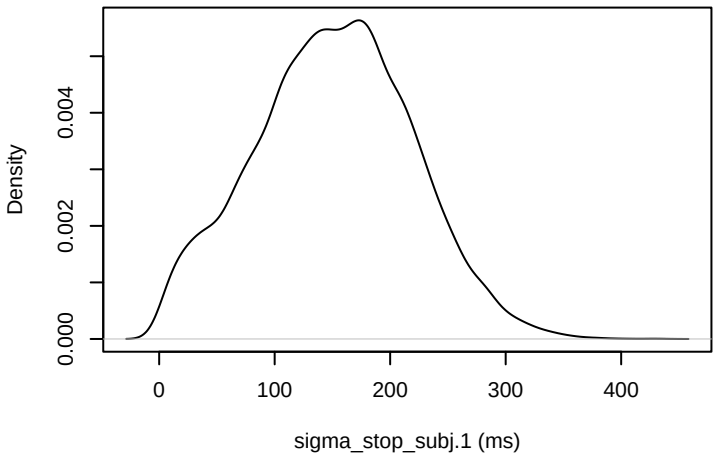
Posterior mu_stop_subj.1



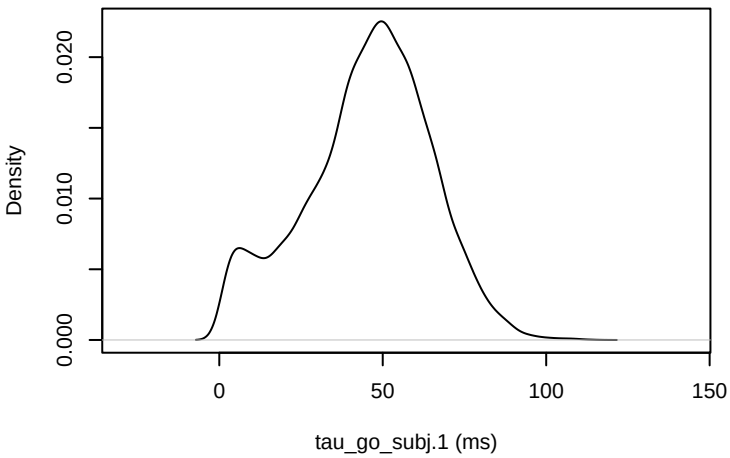
Posterior sigma_go_subj.1



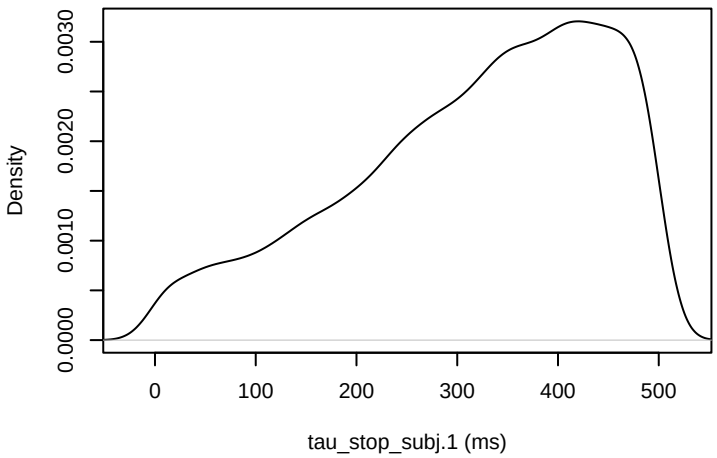
Posterior sigma_stop_subj.1



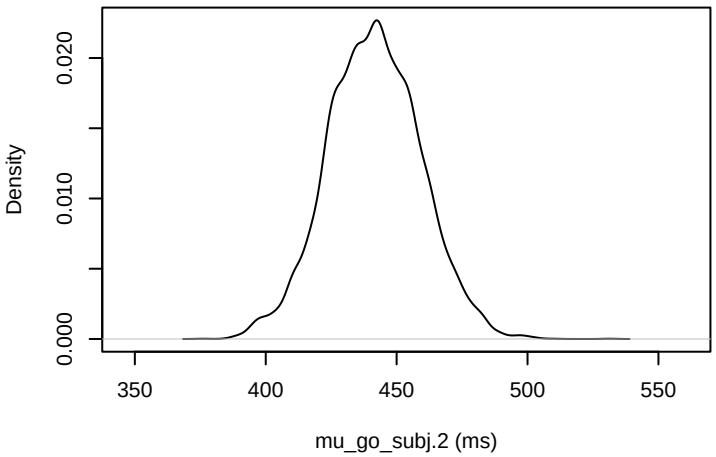
Posterior tau_go_subj.1



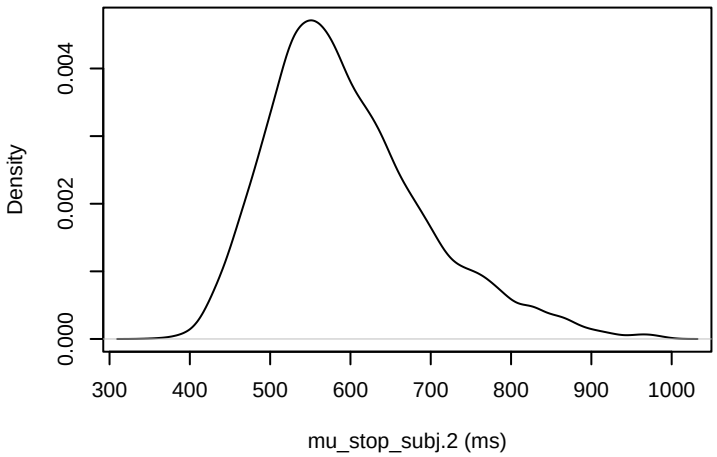
Posterior tau_stop_subj.1



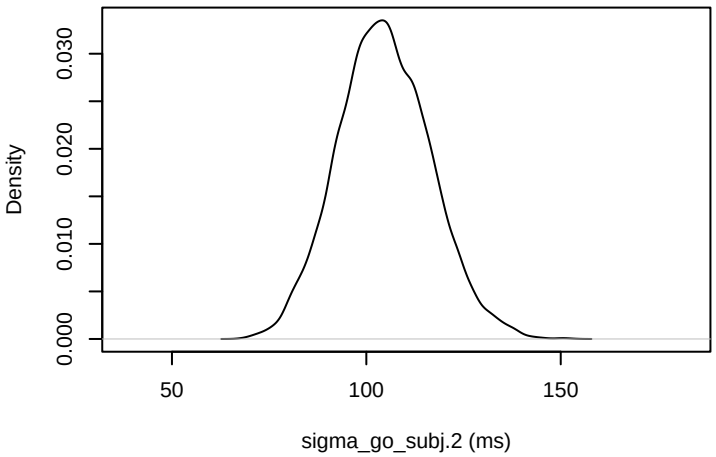
Posterior mu_go_subj.2



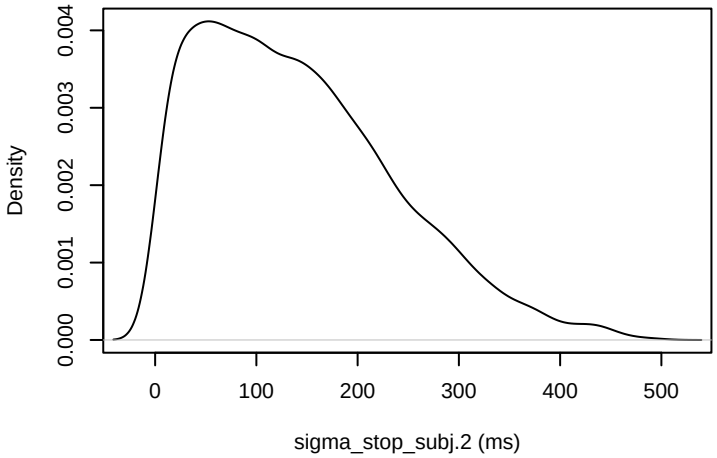
Posterior mu_stop_subj.2



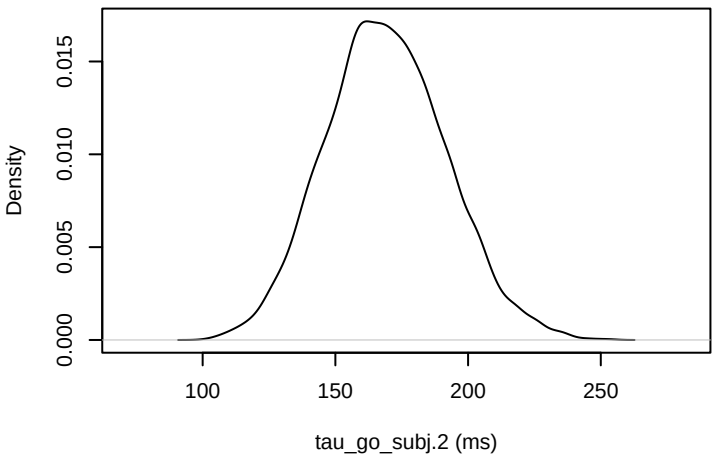
Posterior sigma_go_subj.2



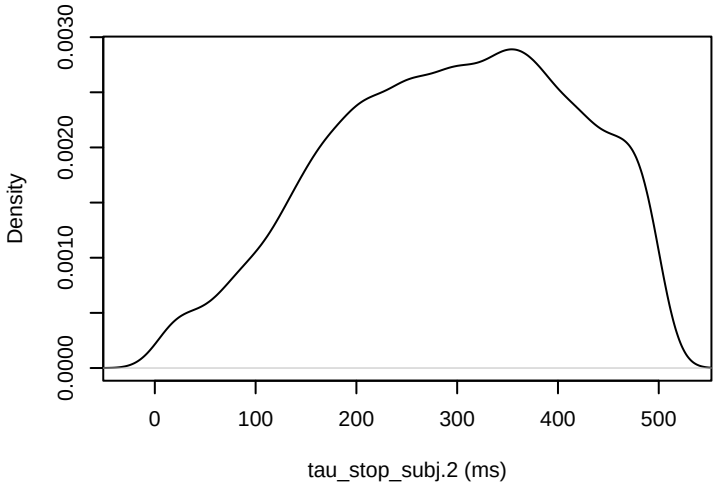
Posterior sigma_stop_subj.2

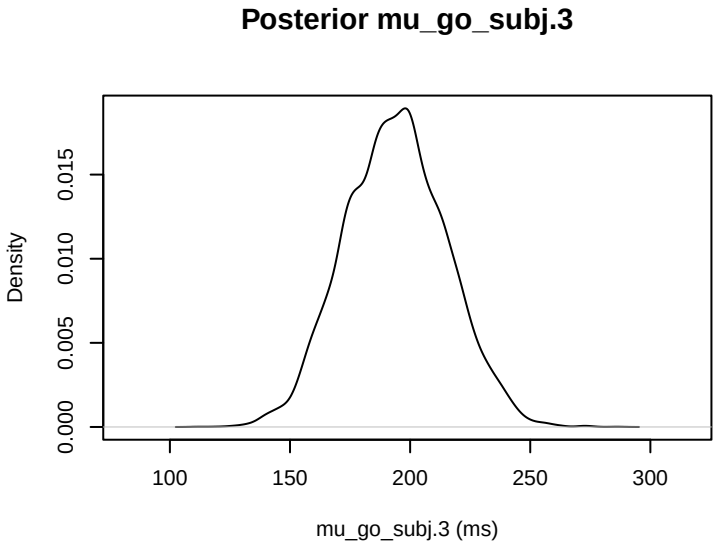


Posterior tau_go_subj.2



Posterior tau_stop_subj.2




Posterior mu_go_subj.3
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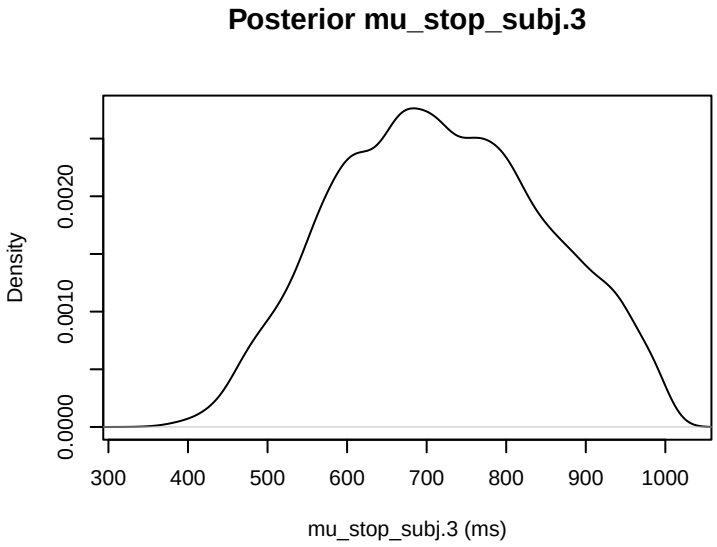
0.010
0.015
100
150
200
250
300
mu_go_subj.3 (ms)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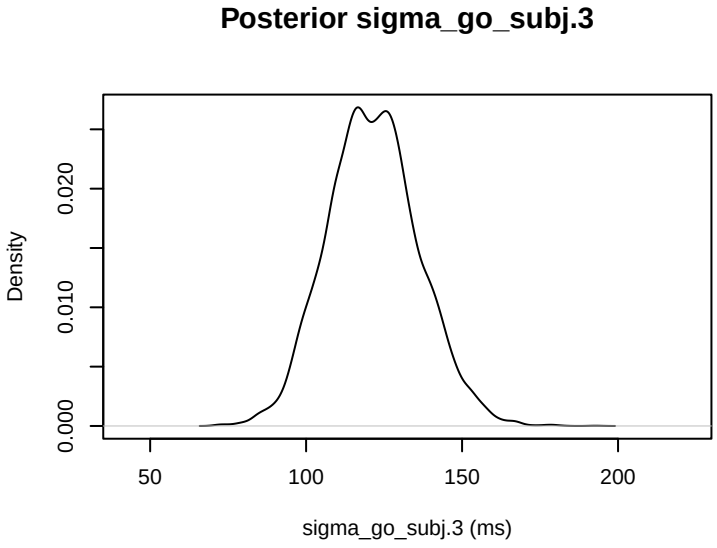
mu_stop_subj.3 (ms)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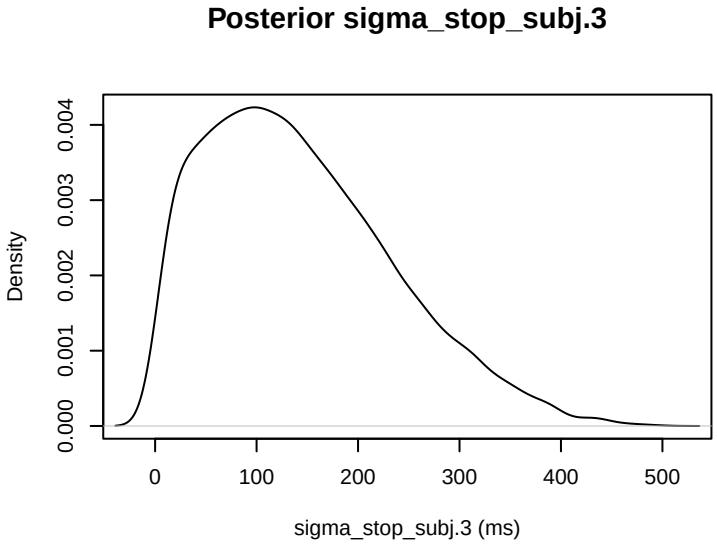
sigma_go_subj.3 (ms)


Posterior sigma_stop_subj.3
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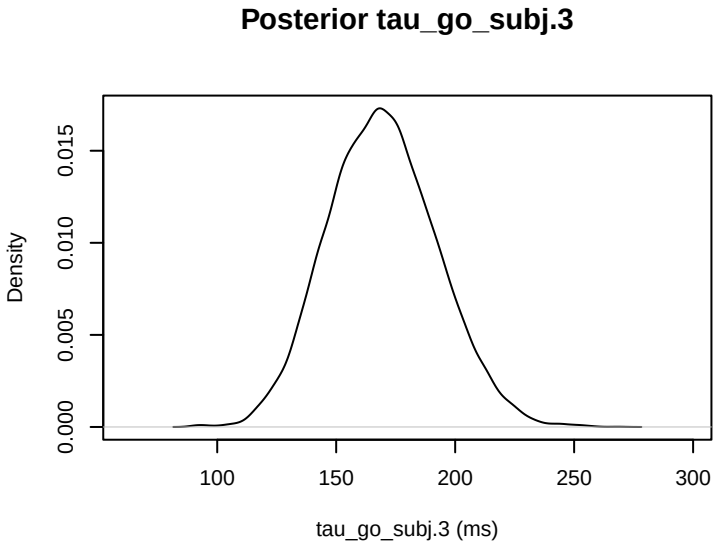
sigma_stop_subj.3 (ms)


Posterior tau_go_subj.3
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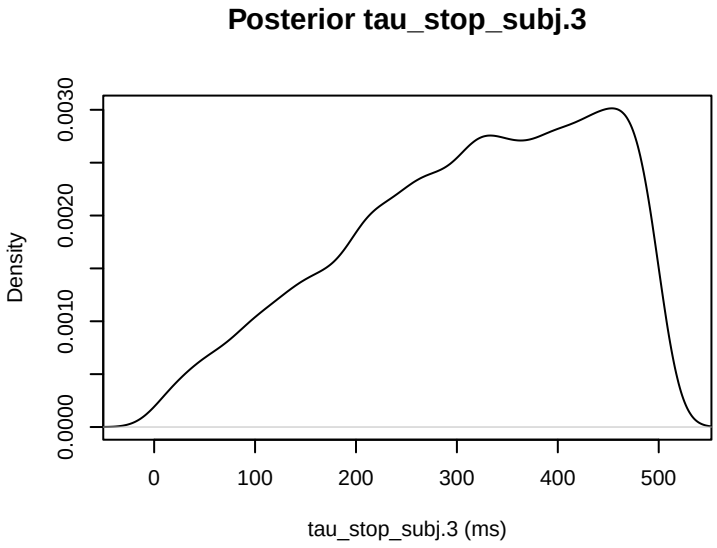
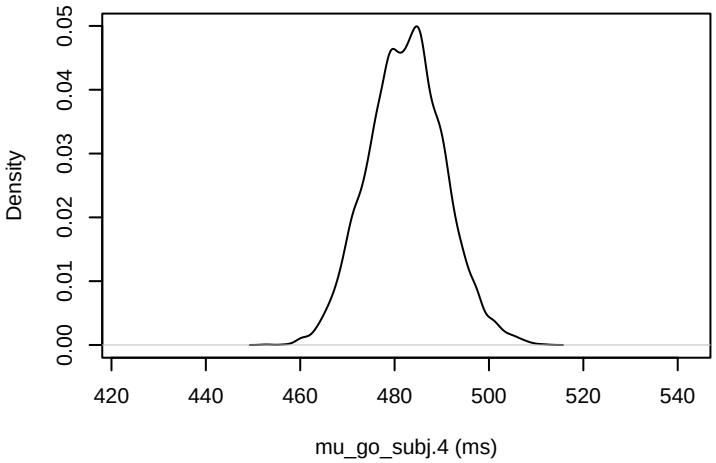
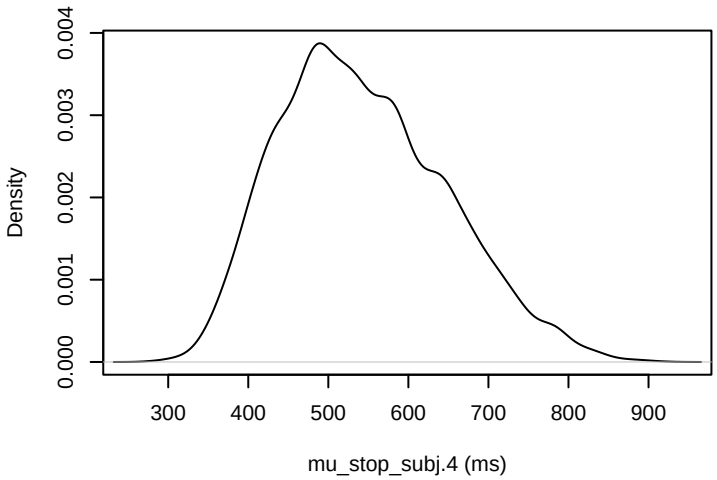
300
tau_go_subj.3 (ms)


Posterior tau_stop_subj.3
Density
0.0000
0.0010
0.0020
0.0030
0
100
200
300
400
500
tau_stop_subj.3 (ms)

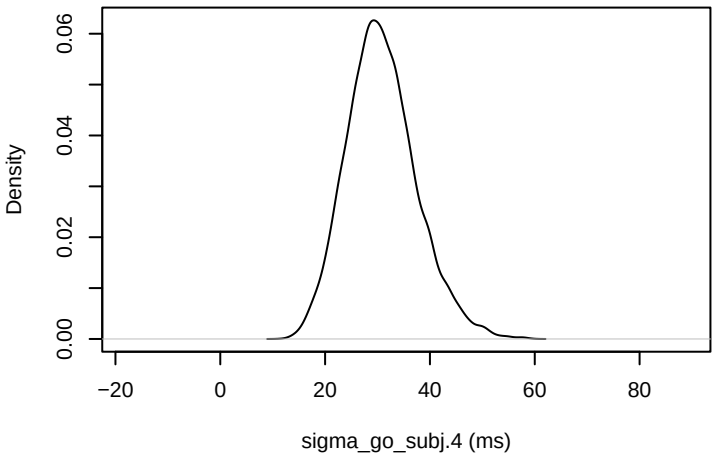
Posterior mu_go_subj.4



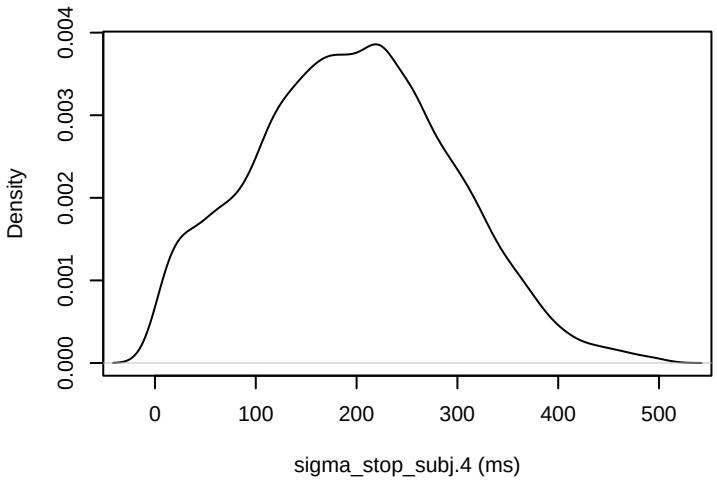
Posterior mu_stop_subj.4



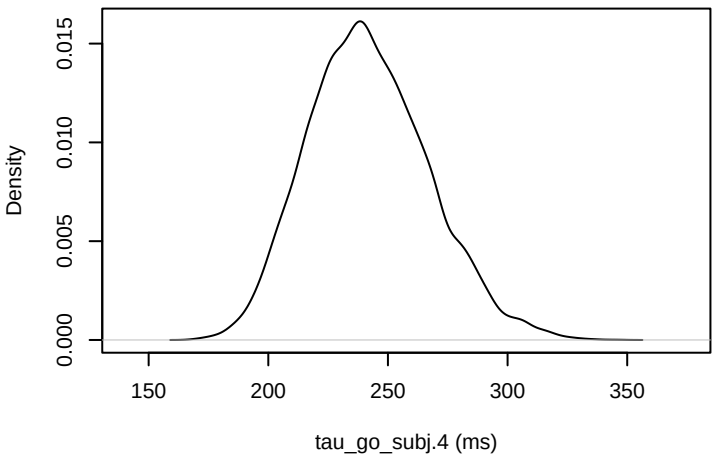
Posterior sigma_go_subj.4



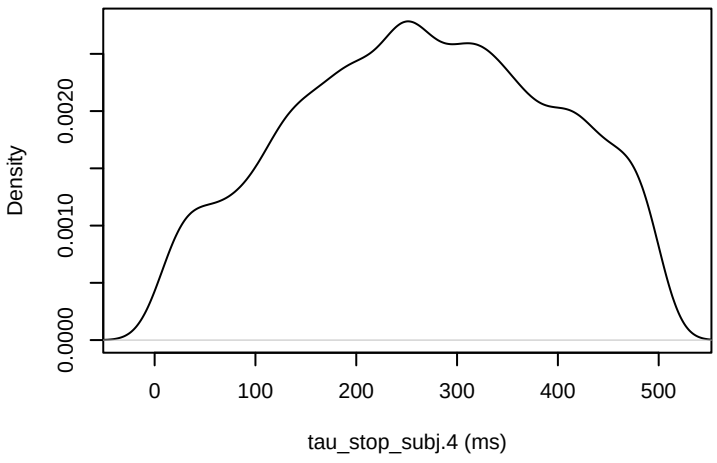
Posterior sigma_stop_subj.4



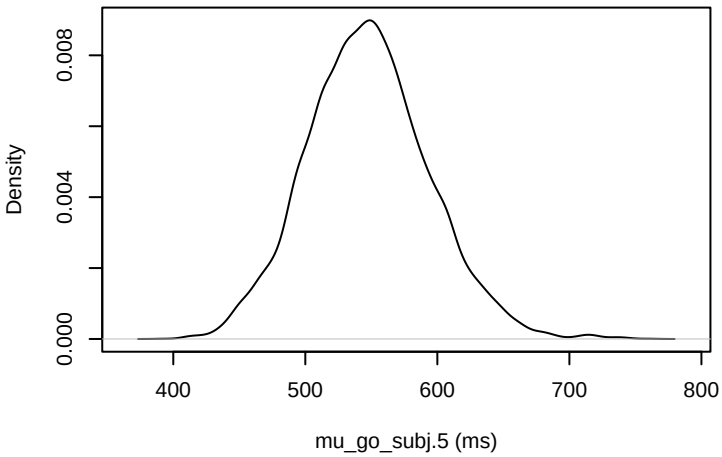
Posterior tau_go_subj.4



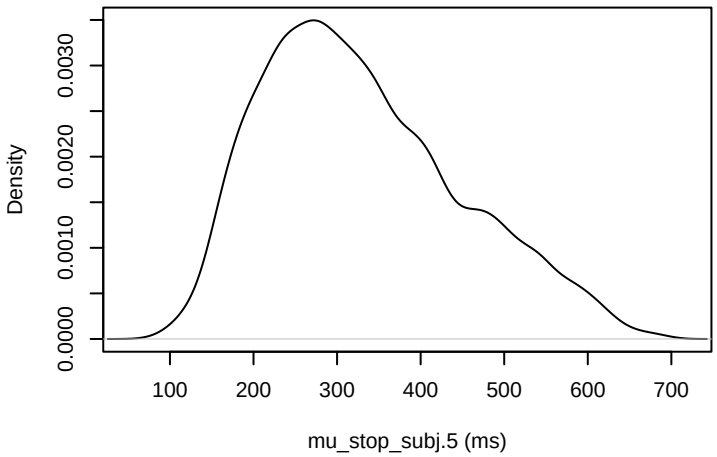
Posterior tau_stop_subj.4



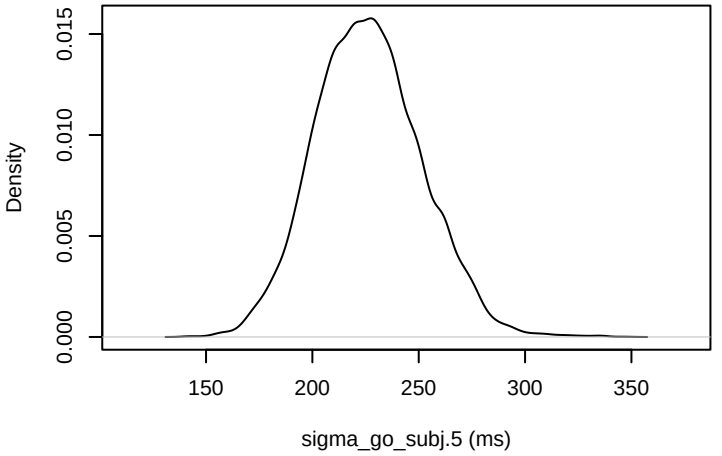
Posterior mu_go_subj.5



Posterior mu_stop_subj.5



Posterior sigma_go_subj.5



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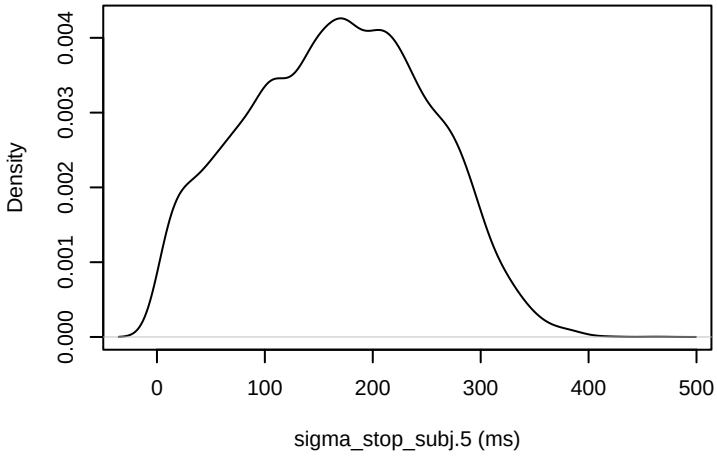

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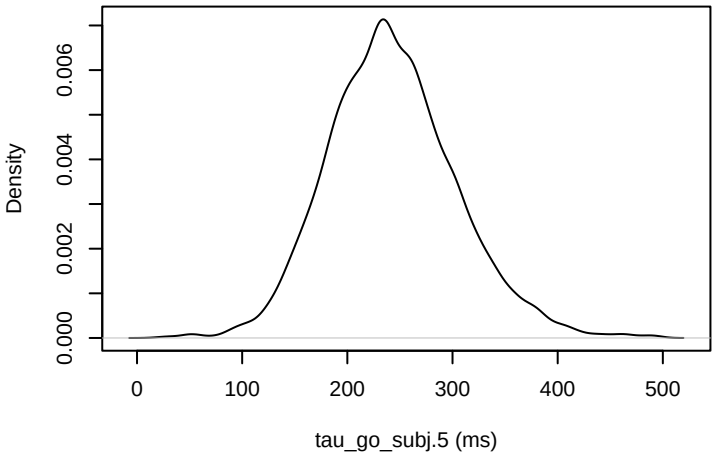
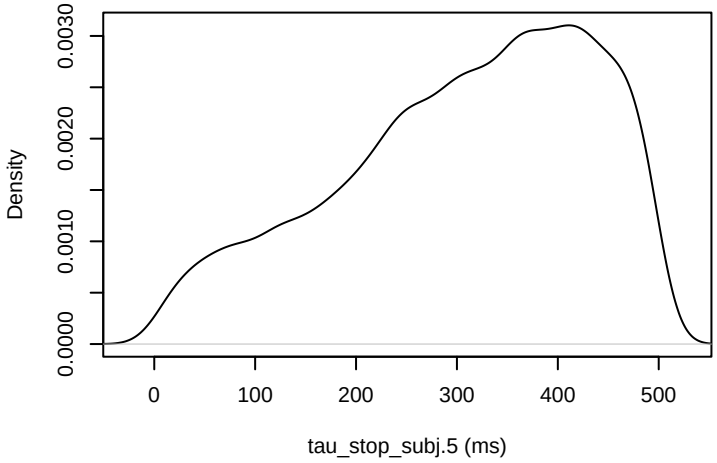
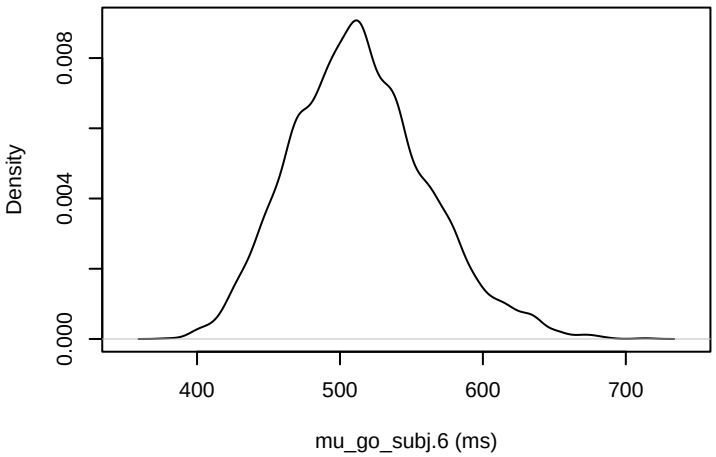


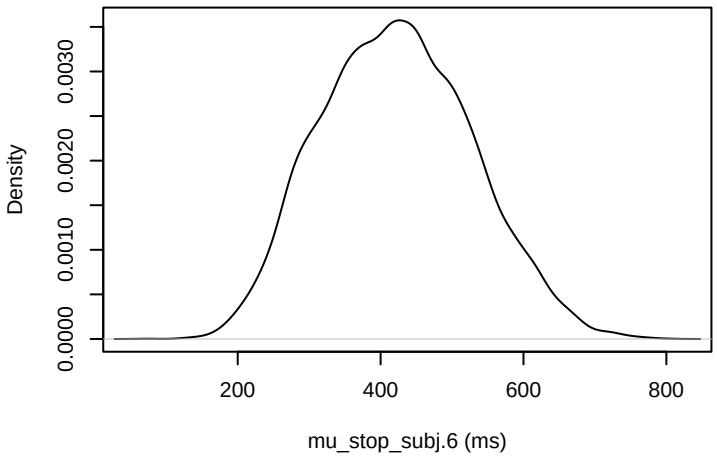
Posterior tau_stop_subj.5



Posterior mu_go_subj.6



Posterior mu_stop_subj.6



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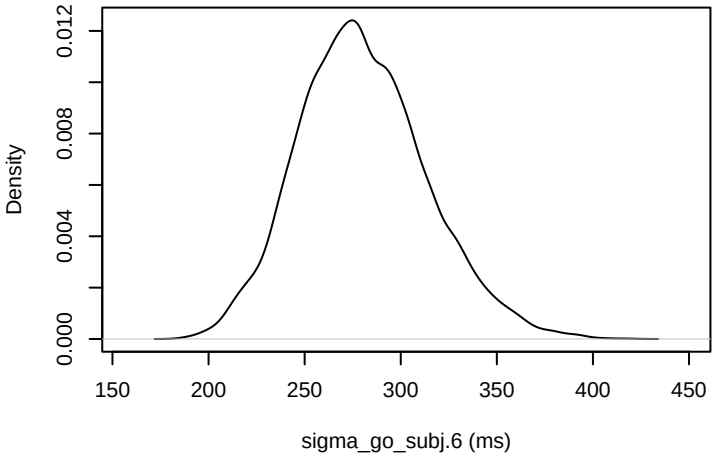
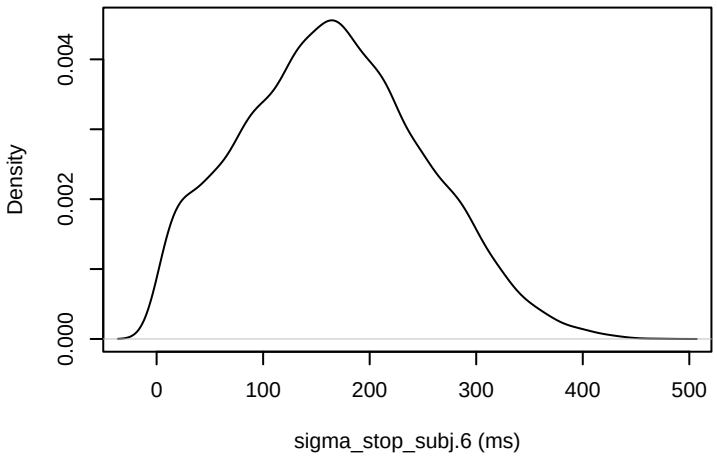


Posterior sigma_stop_subj.6



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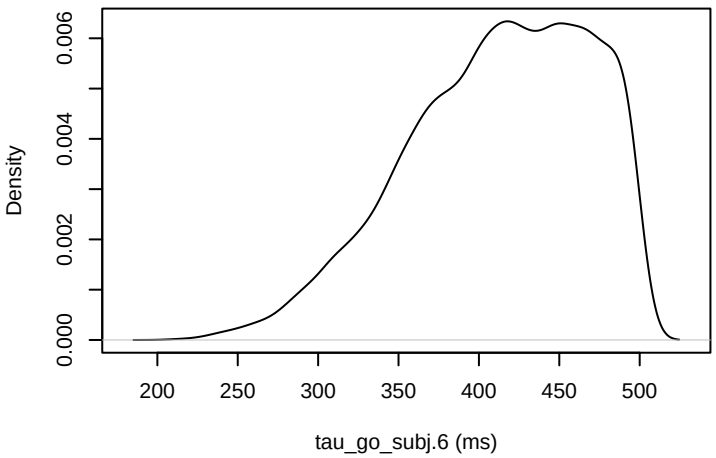

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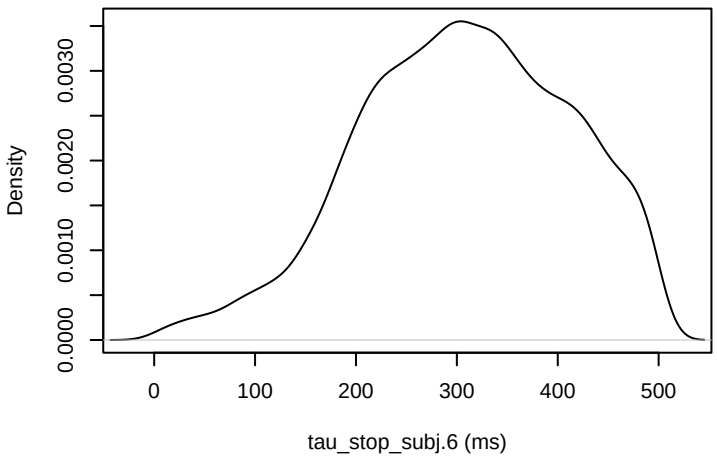
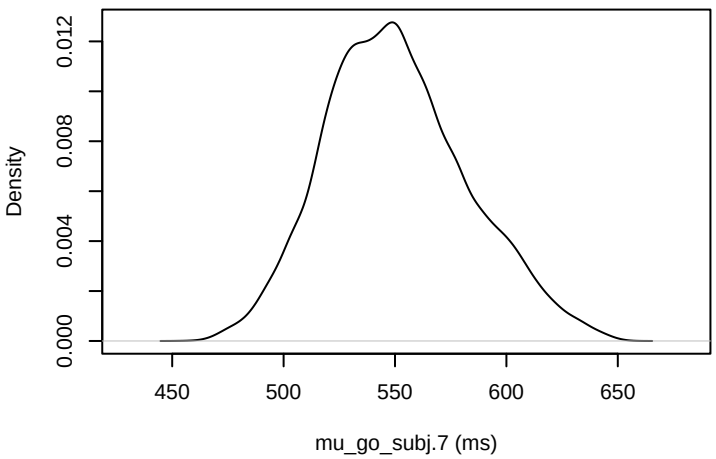
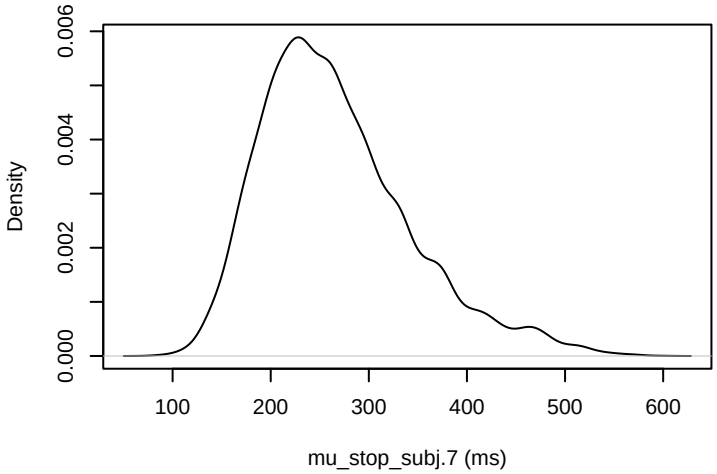


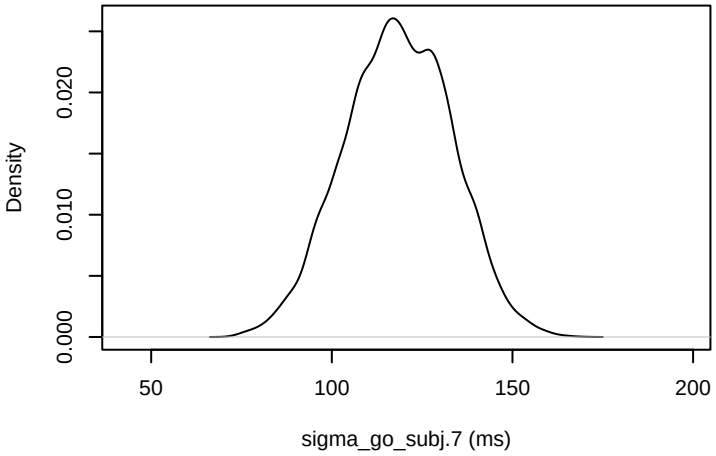
Posterior mu_go_subj.7



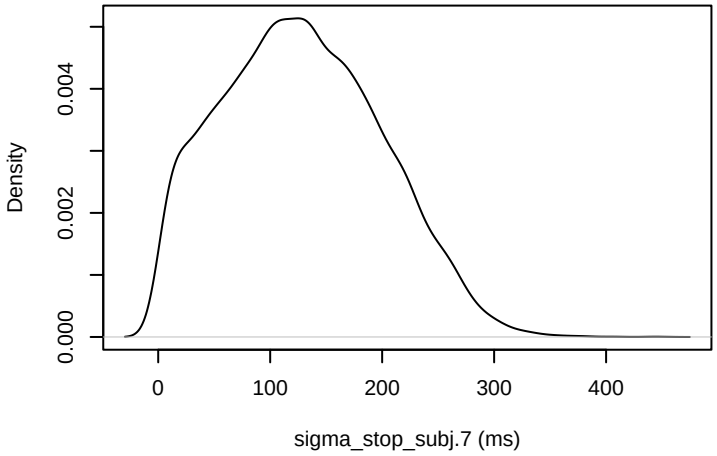
Posterior mu_stop_subj.7



Posterior sigma_go_subj.7



Posterior sigma_stop_subj.7



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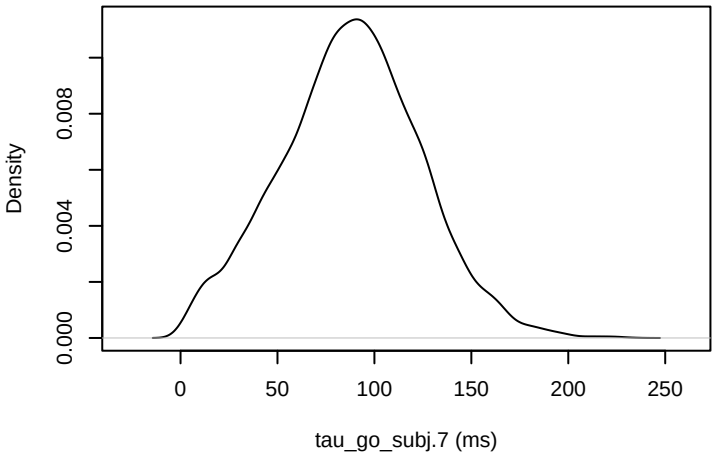

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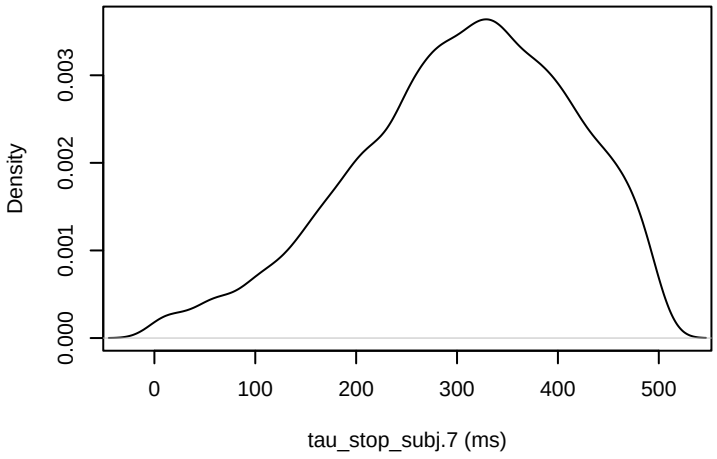

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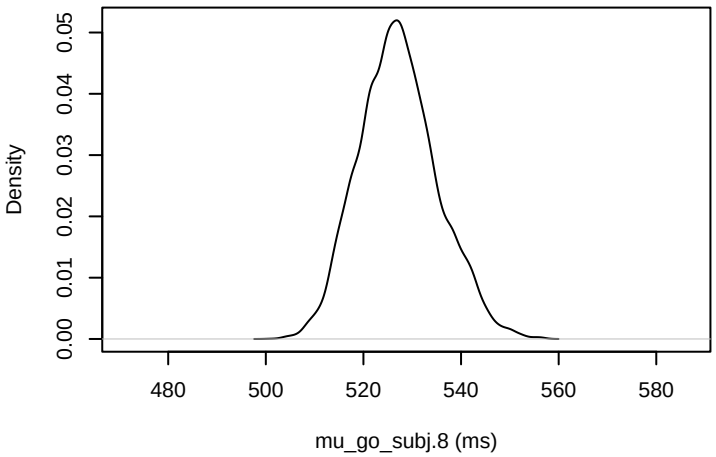
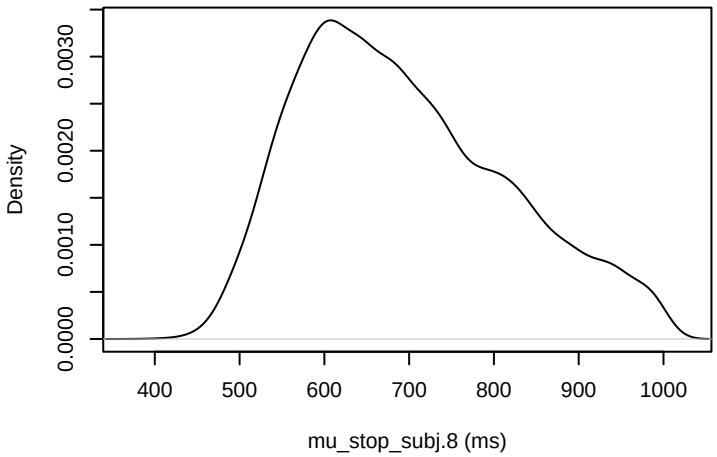


Posterior mu_stop_subj.8



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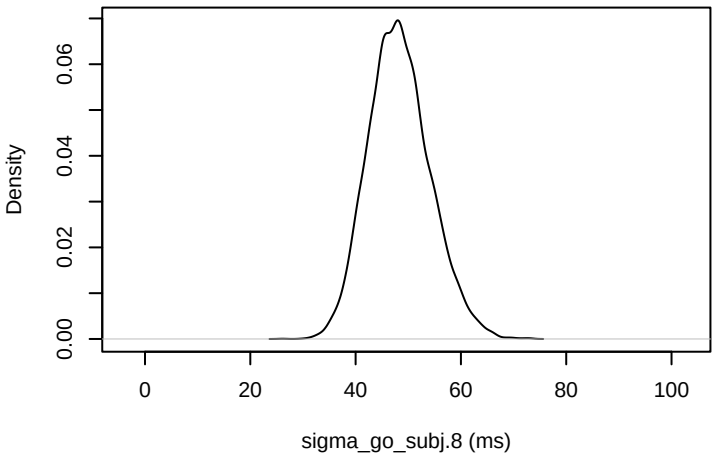

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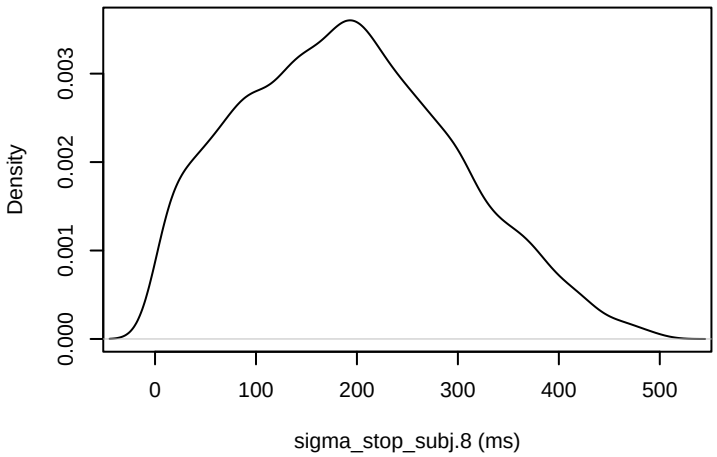
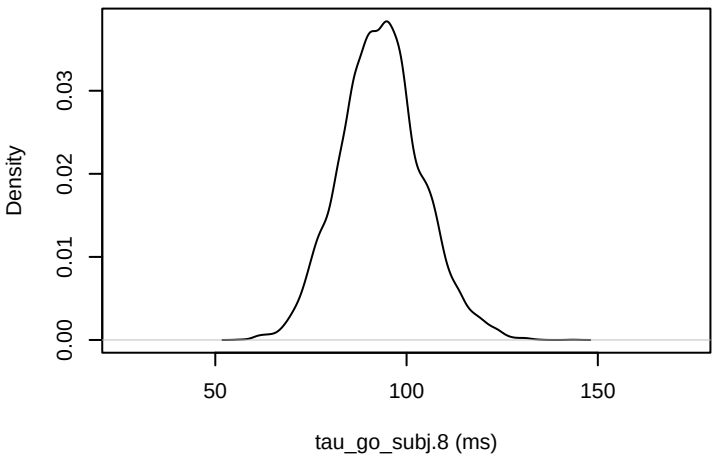


Posterior tau_go_subj.8



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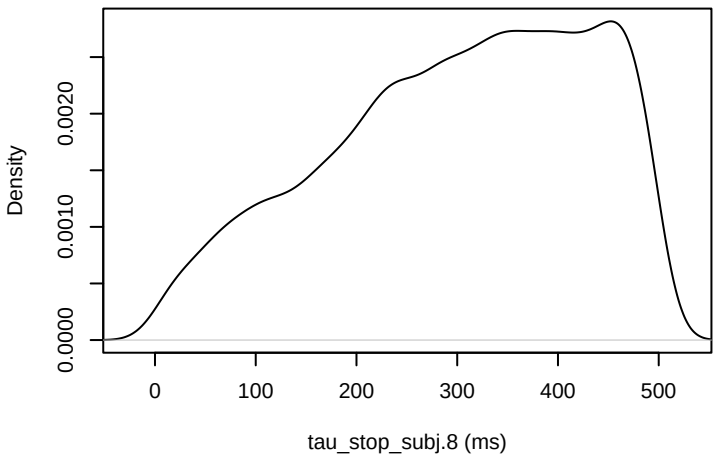
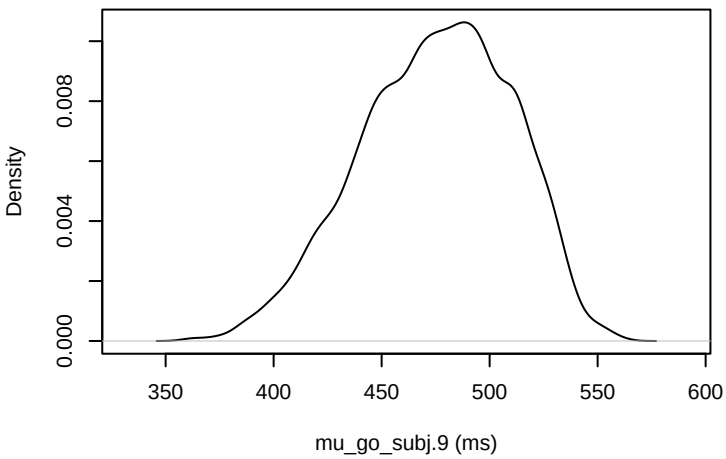


Posterior mu_go_subj.9



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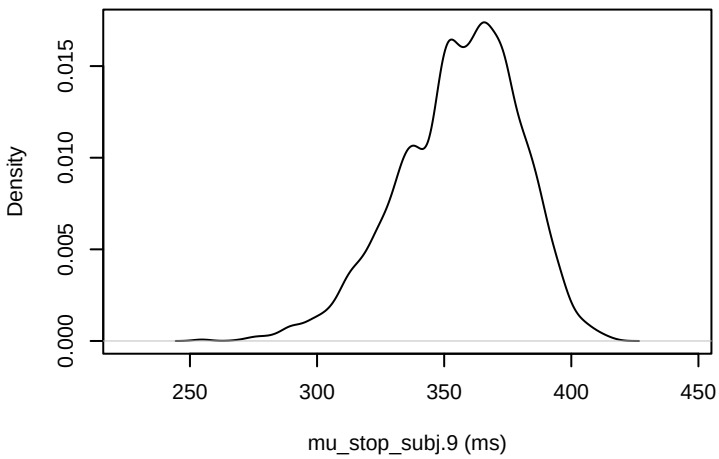
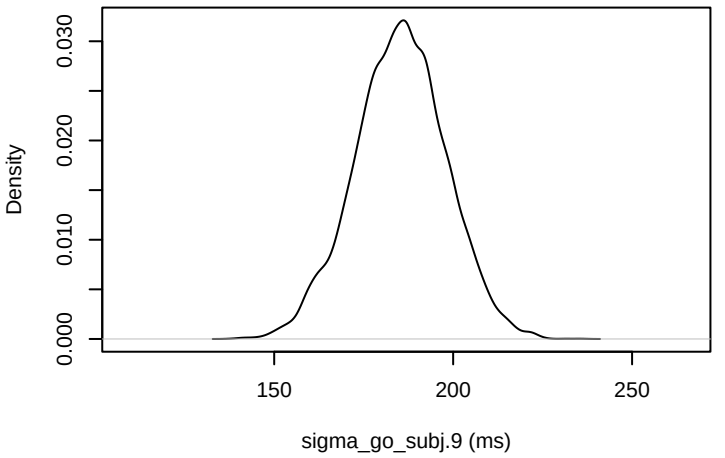
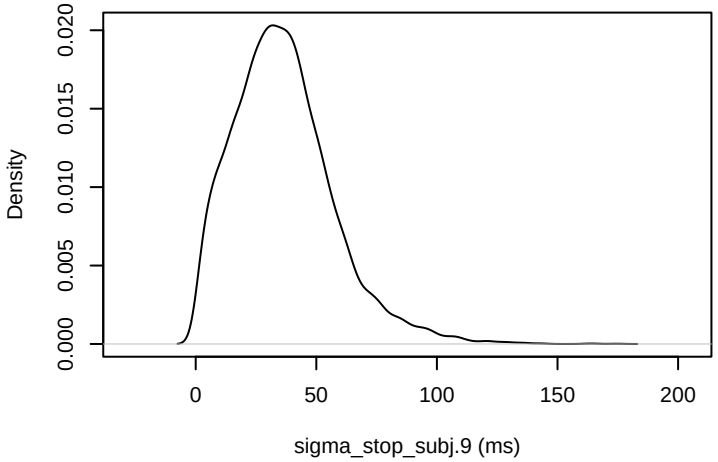


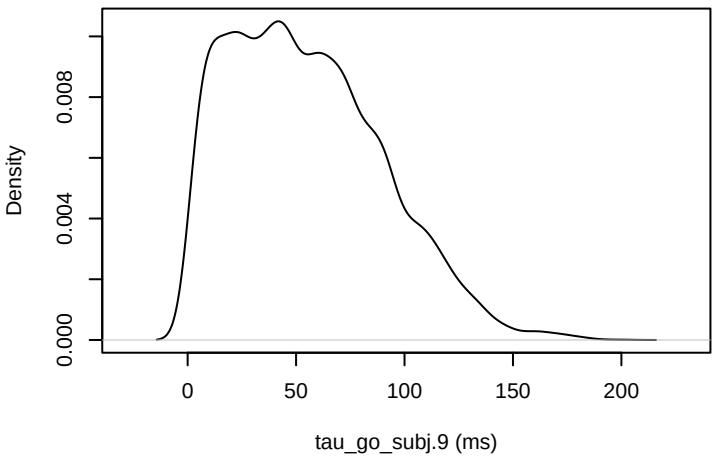
Posterior sigma_go_subj.9



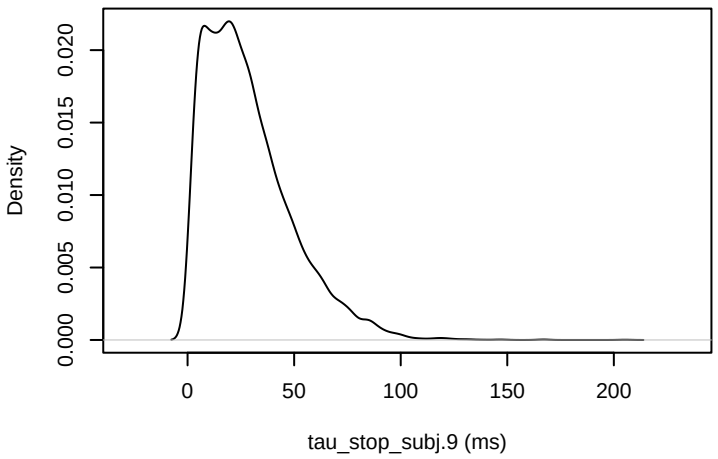
Posterior sigma_stop_subj.9

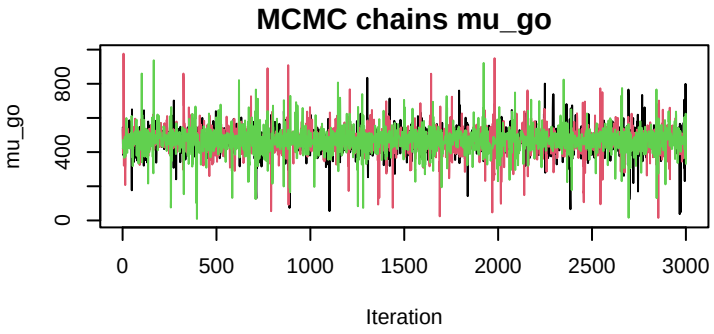


Posterior tau_go_subj.9



Posterior tau_stop_subj.9




MCMC chains mu_go
mu_go
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800
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500
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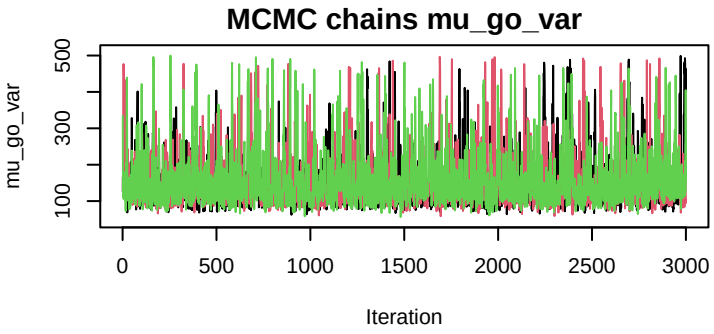
2000
2500
3000
Iteration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mu_go_var
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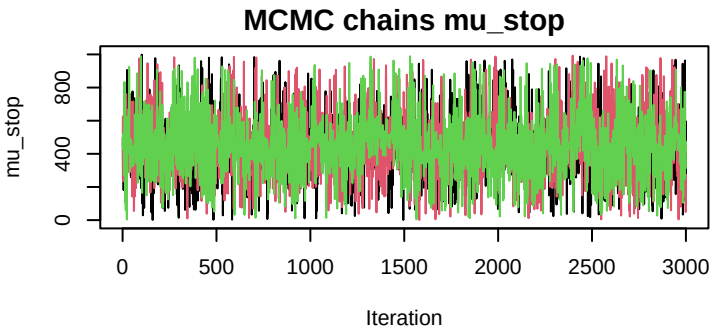
Iteration


MCMC chains mu_stop
mu_stop
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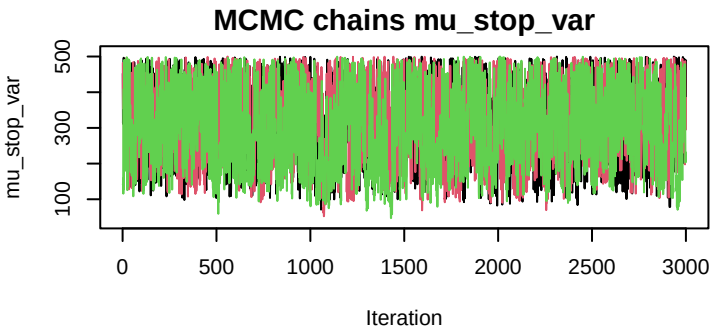
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mu_stop_var
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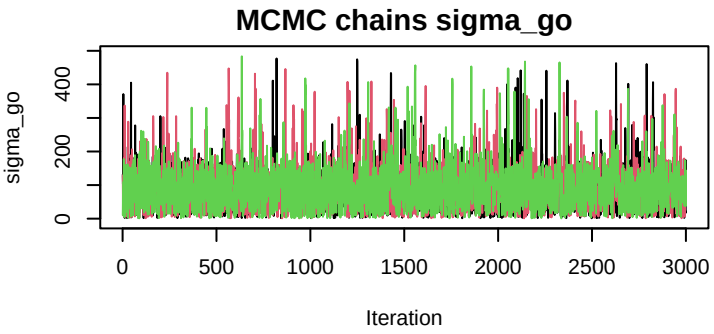
Iteration


MCMC chains sigma_go
sigma_go
0
200
400
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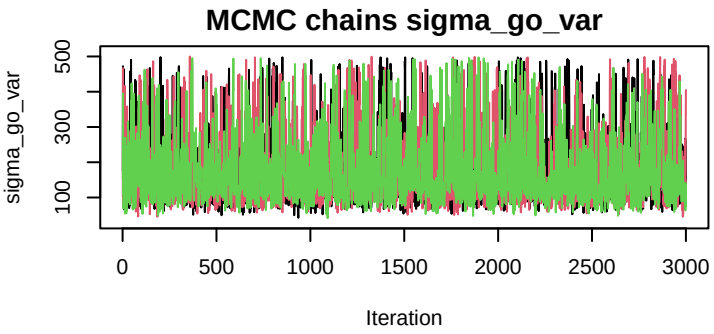
Iteration


MCMC chains sigma_go_var
sigma_go_var
100
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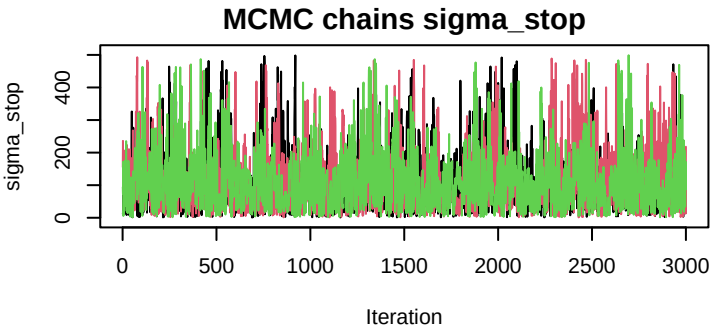
Iteration


MCMC chains sigma_stop
sigma_stop
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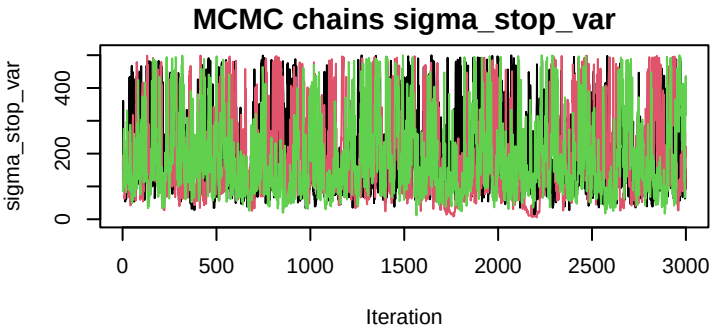
MCMC chains sigma_stop_var
sigma_stop_var
0
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0
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2000
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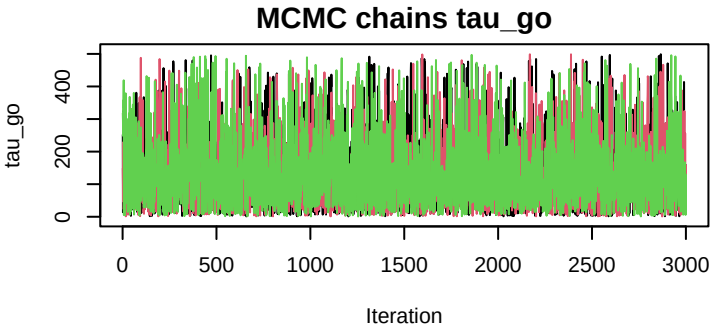
Iteration


MCMC chains tau_go
tau_go
0
200
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0
500
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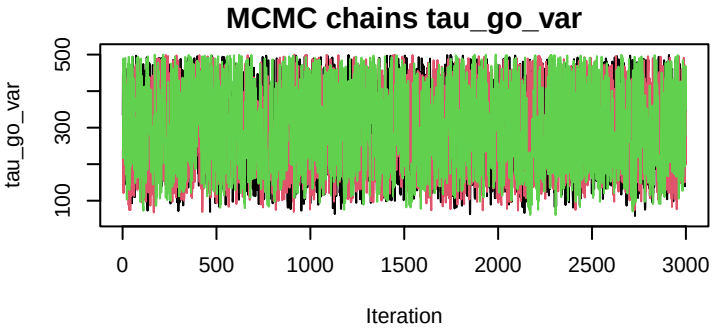
3000
Iteration


MCMC chains tau_go_var
tau_go_var
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300
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1000
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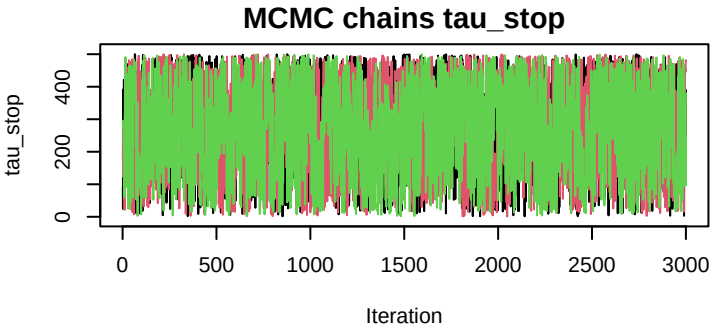
Iteration


MCMC chains tau_stop
tau_stop
0
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0
500
1000
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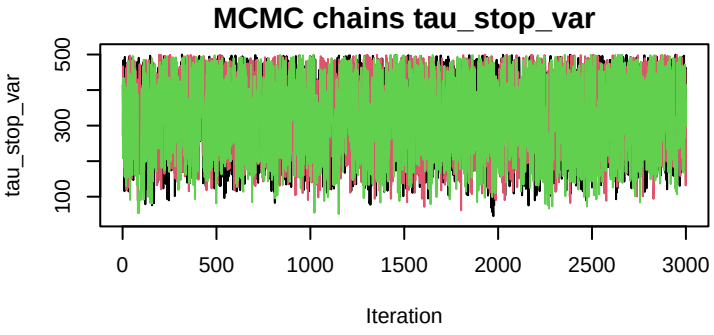
2000
2500
3000
Iteration


MCMC chains tau_stop_var
tau_stop_var
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0
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1000
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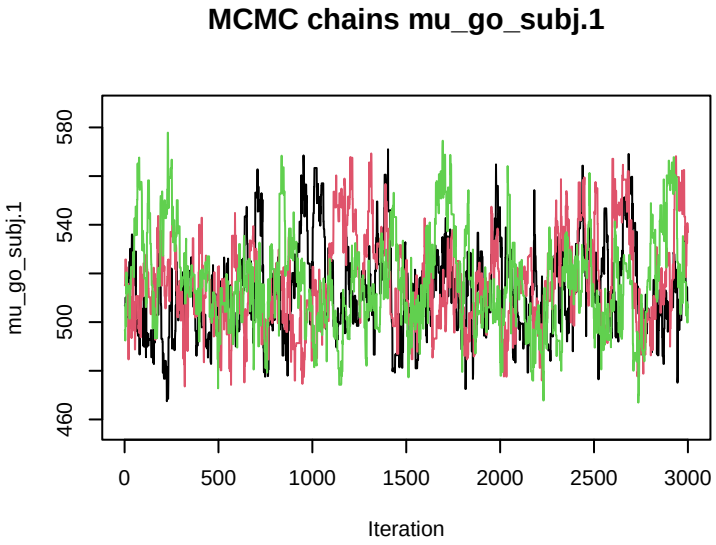
2000
2500
3000
Iteration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mu_go_subj.1
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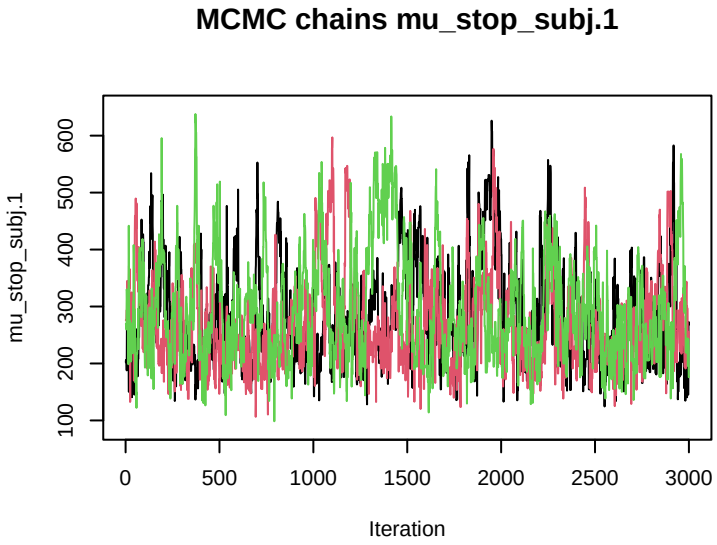
540
580
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains mu_stop_subj.1
mu_stop_subj.1
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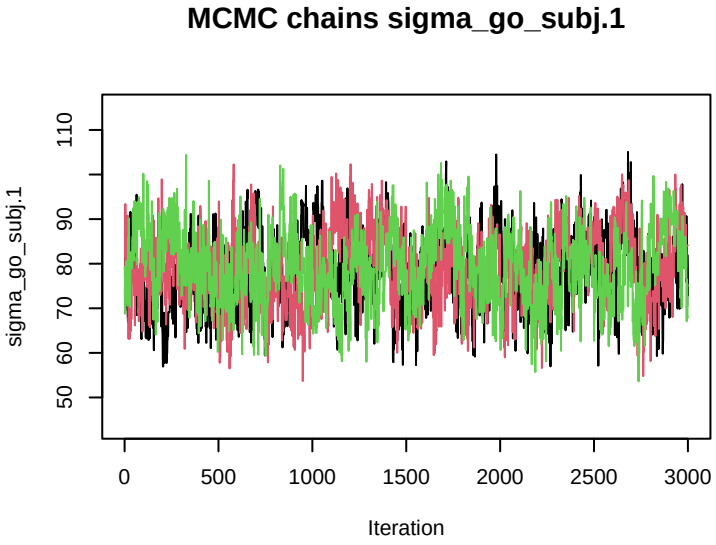
500
600
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains sigma_go_subj.1
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90
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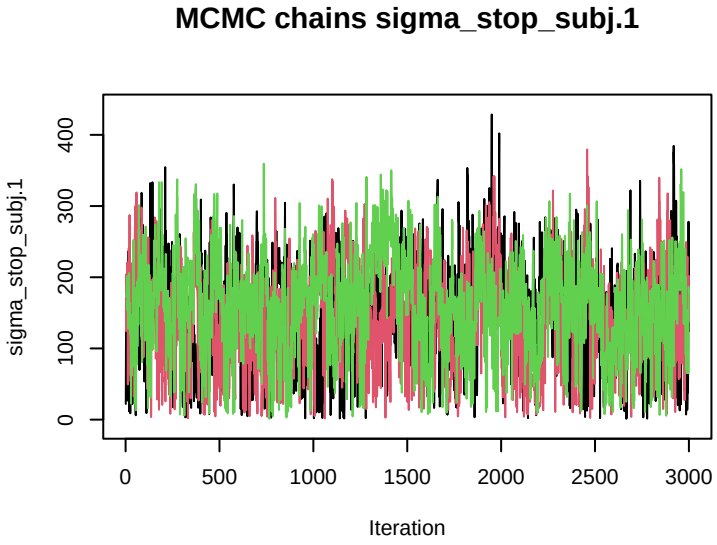
1000
1500
2000
2500
3000
Iteration


MCMC chains sigma_stop_subj.1
sigma_stop_subj.1
0
100
200
300
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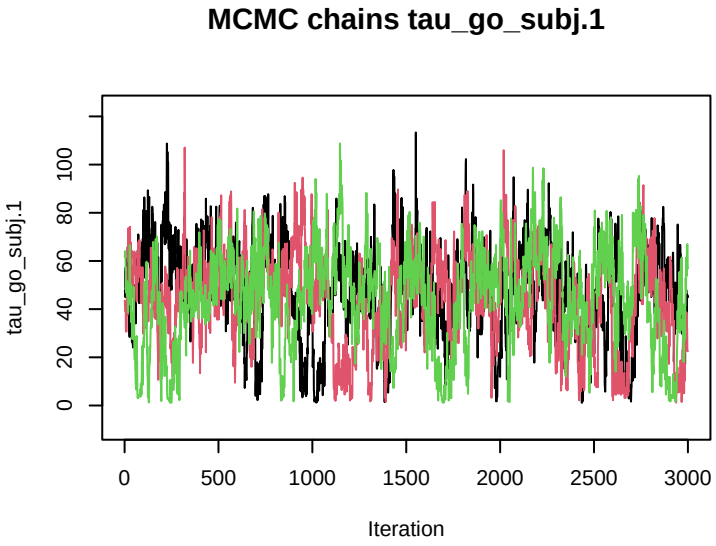
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains tau_go_subj.1
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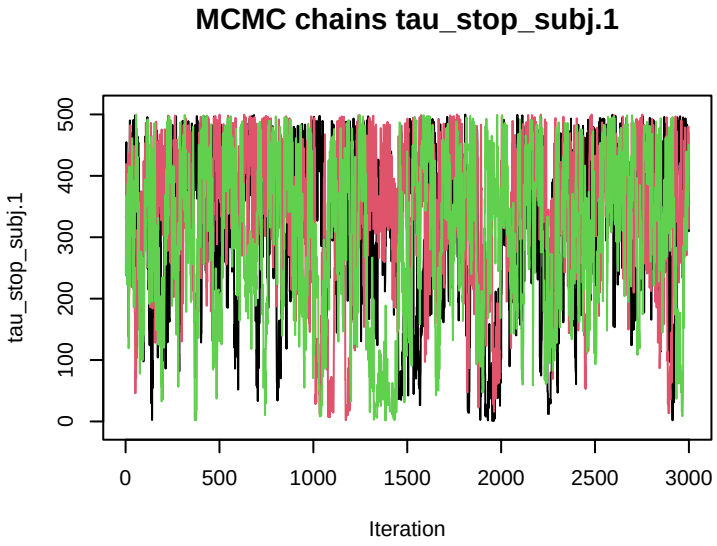
80
100
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains tau_stop_subj.1
tau_stop_subj.1
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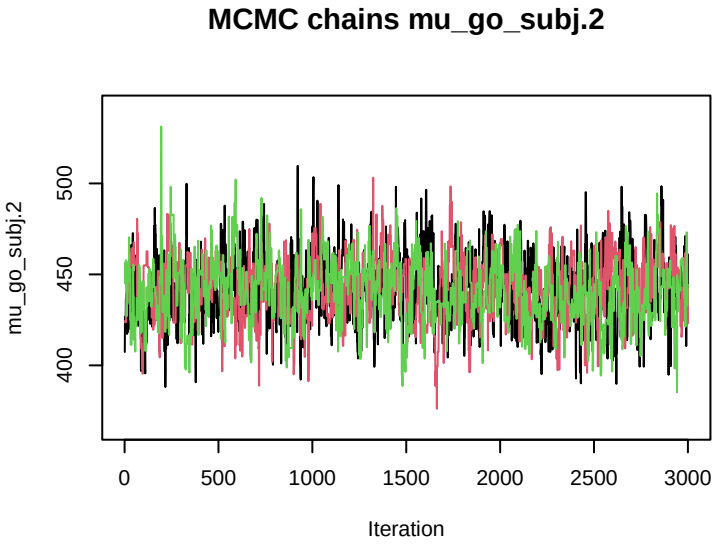
300
400
500
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains mu_go_subj.2
mu_go_subj.2
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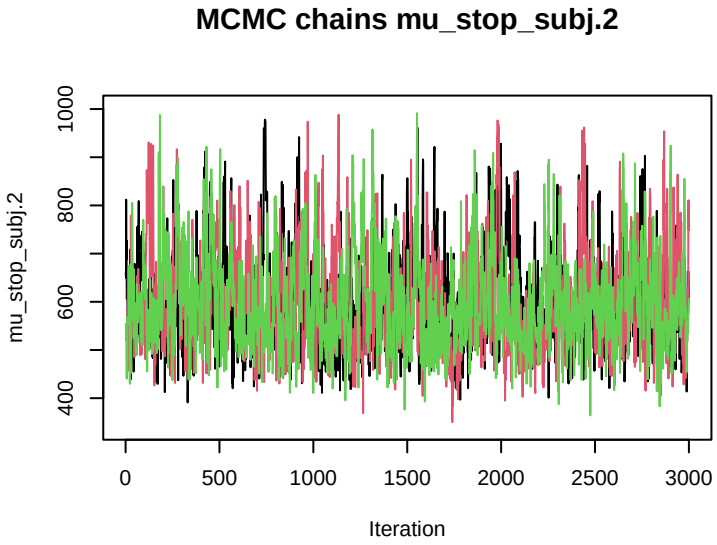
1000
1500
2000
2500
3000
Iteration


MCMC chains mu_stop_subj.2
mu_stop_subj.2
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800
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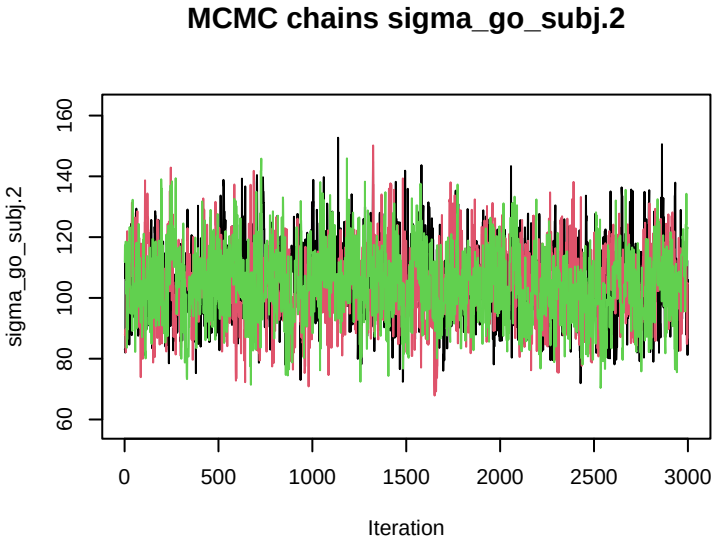
500
1000
1500
2000
2500
3000
Iteration


MCMC chains sigma_go_subj.2
sigma_go_subj.2
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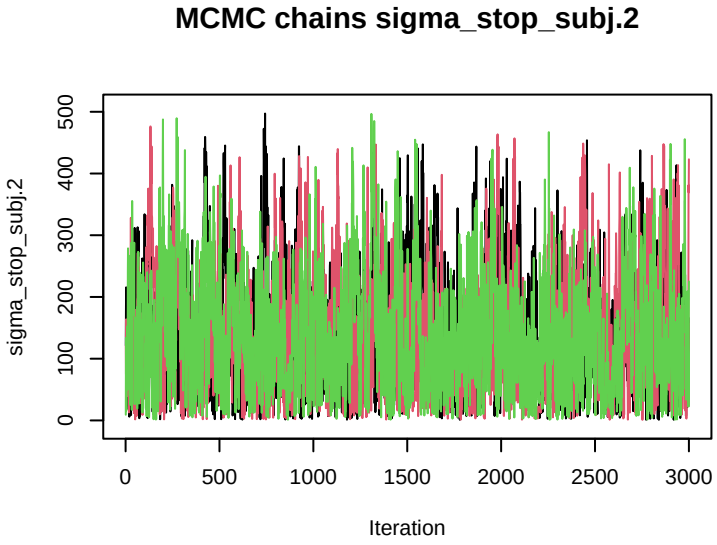
1000
1500
2000
2500
3000
Iteration


MCMC chains sigma_stop_subj.2
sigma_stop_subj.2
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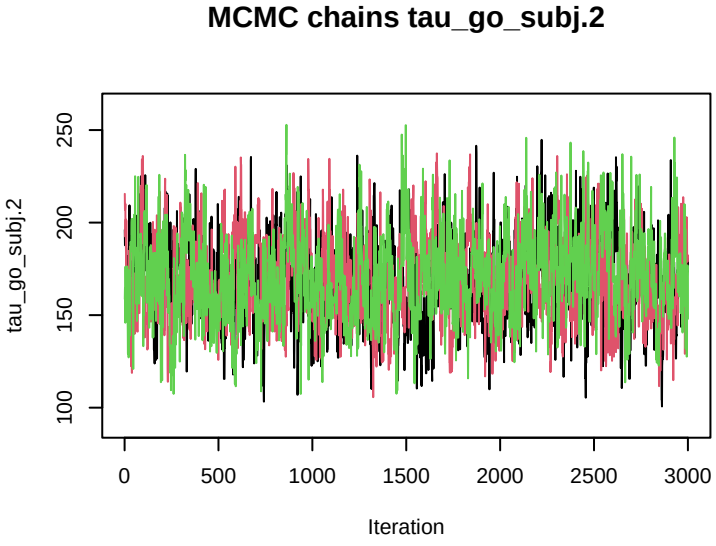
400
500
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains tau_go_subj.2
tau_go_subj.2
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500
1000
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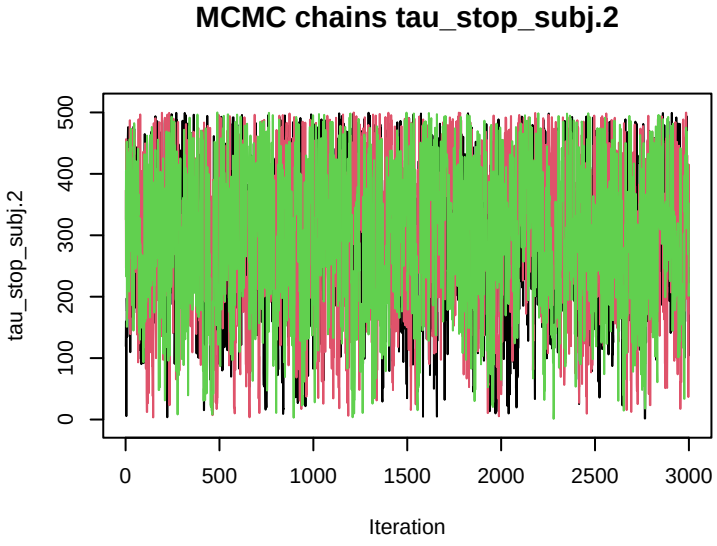
2000
2500
3000
Iteration


MCMC chains tau_stop_subj.2
tau_stop_subj.2
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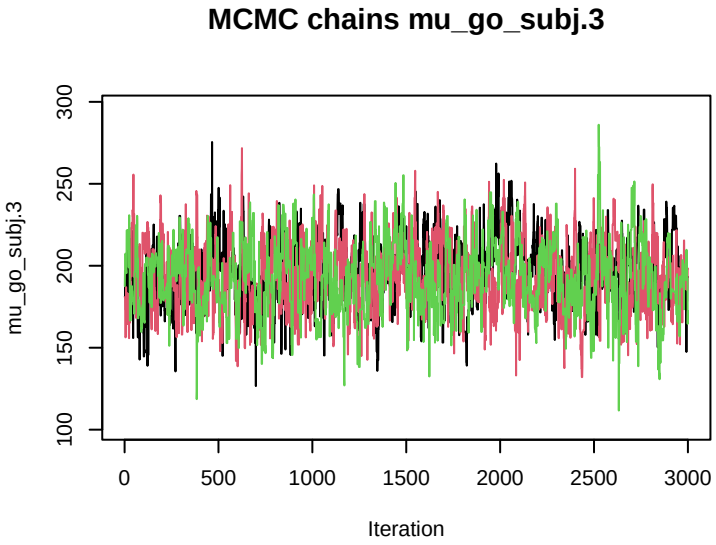
500
1000
1500
2000
2500
3000
Iteration


MCMC chains mu_go_subj.3
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500
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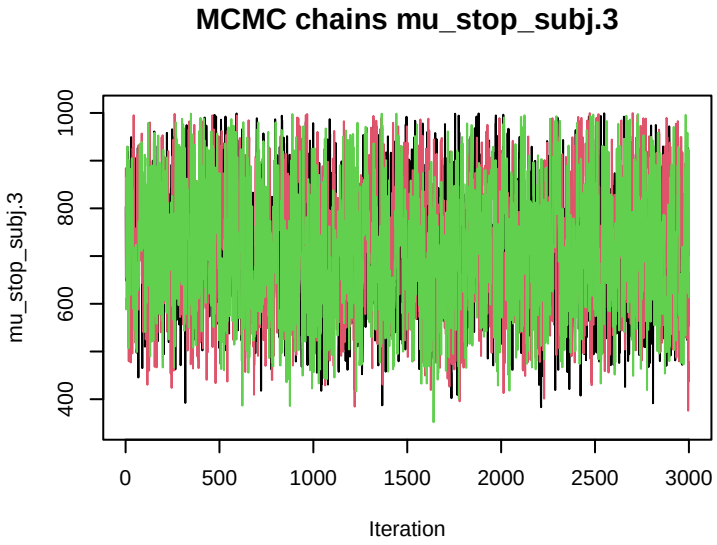
1500
2000
2500
3000
Iteration


MCMC chains mu_stop_subj.3
mu_stop_subj.3
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600
800
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500
1000
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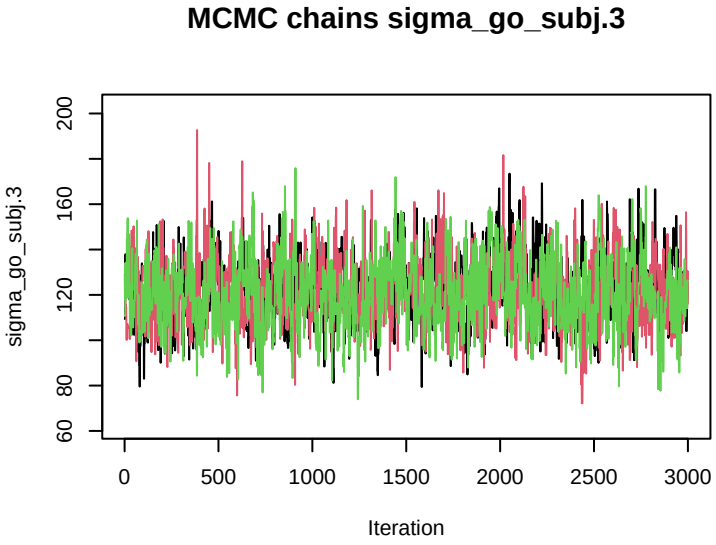
2000
2500
3000
Iteration


MCMC chains sigma_go_subj.3
sigma_go_subj.3
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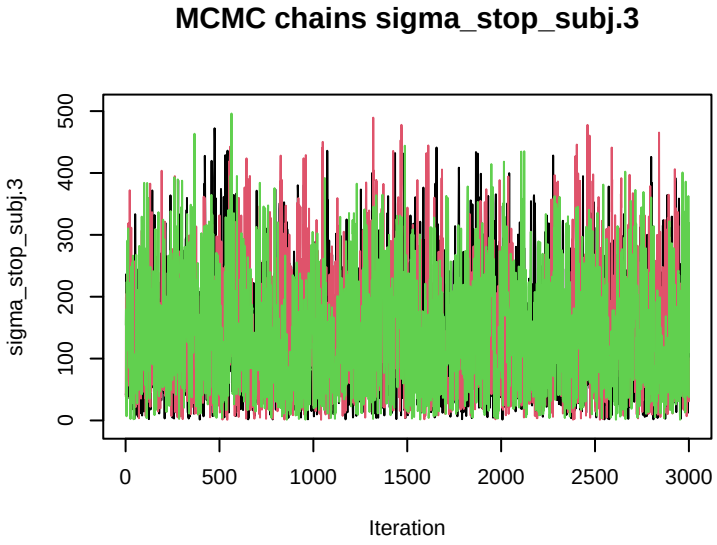
500
1000
1500
2000
2500
3000
Iteration


MCMC chains sigma_stop_subj.3
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300
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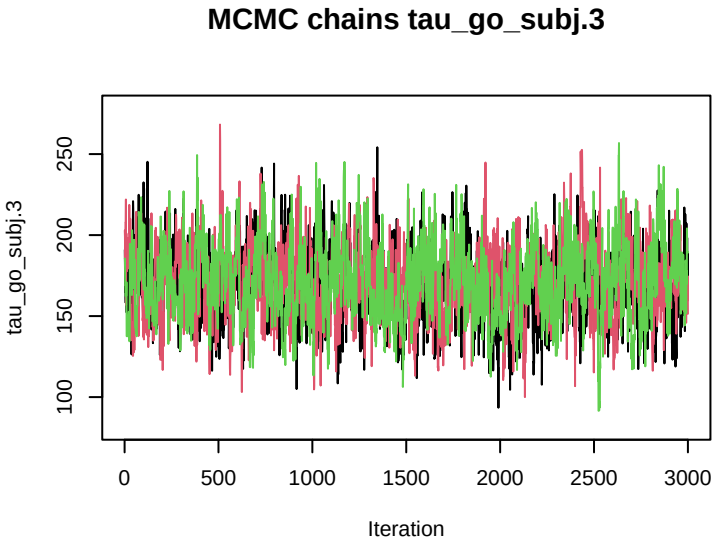
1000
1500
2000
2500
3000
Iteration


MCMC chains tau_go_subj.3
tau_go_subj.3
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2000
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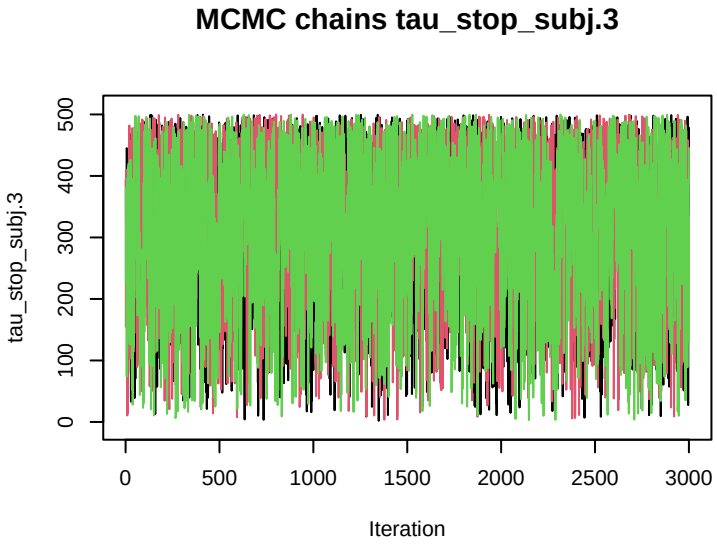
3000
Iteration


MCMC chains tau_stop_subj.3
tau_stop_subj.3
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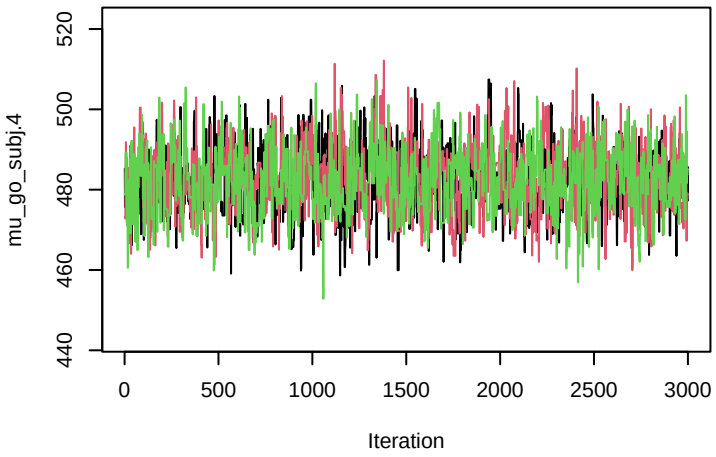
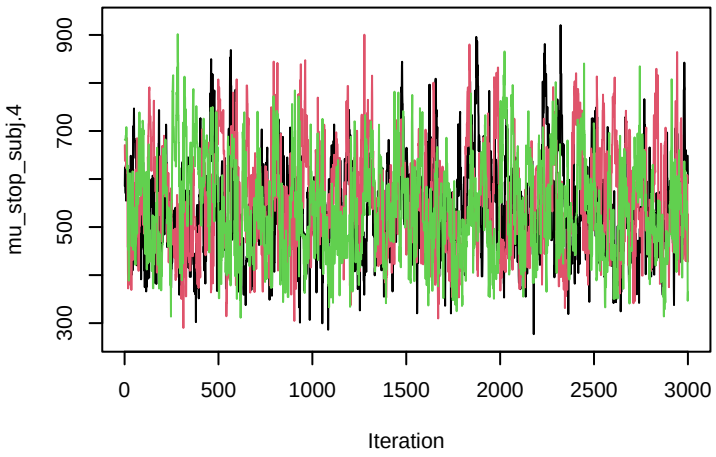
400
500
0
500
1000
1500
2000
2500
3000
Iteration

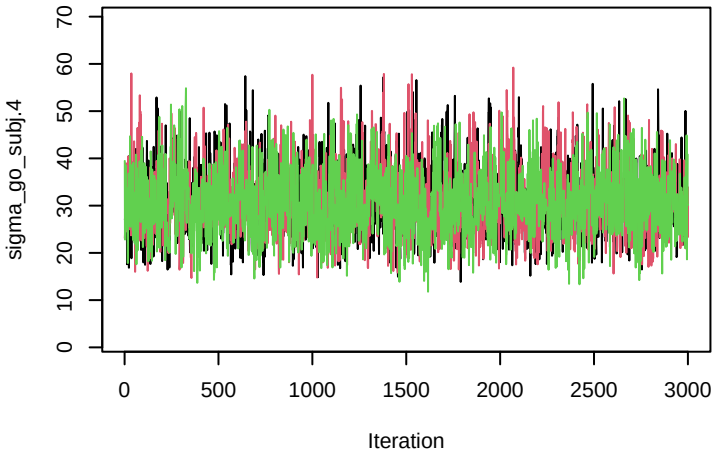
MCMC chains mu_go_subj.4



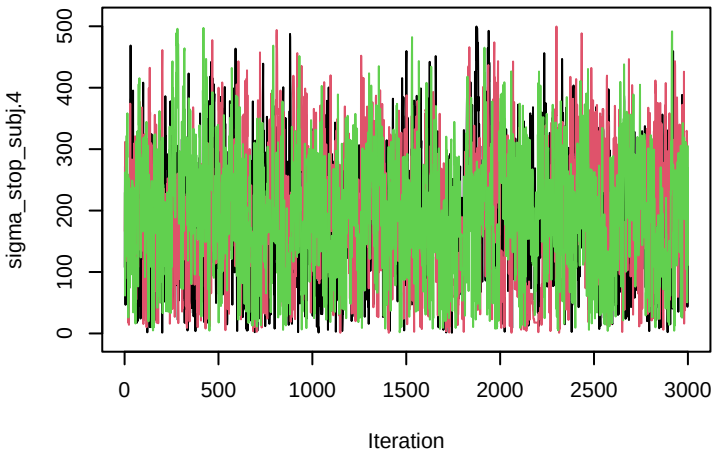
MCMC chains mu_stop_subj.4



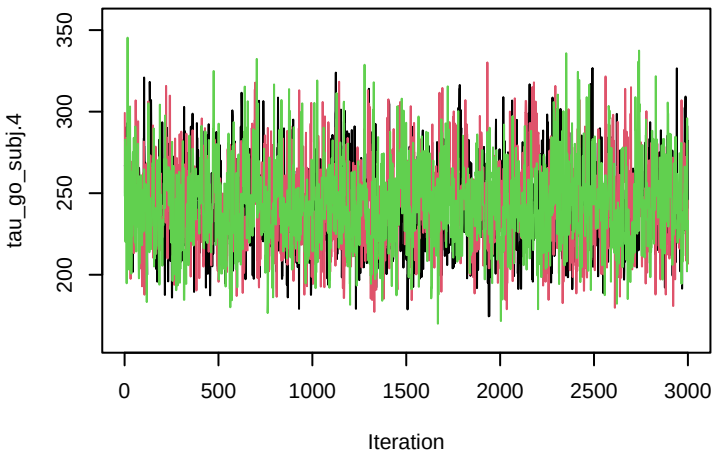
MCMC chains sigma_go_subj.4



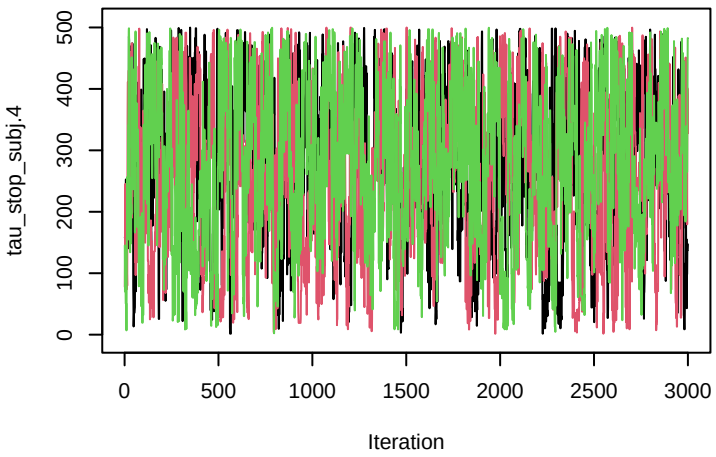
MCMC chains sigma_stop_subj.4

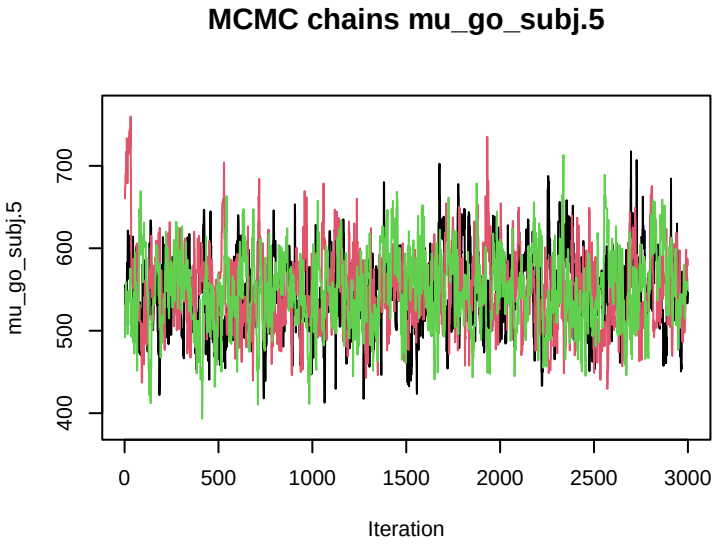


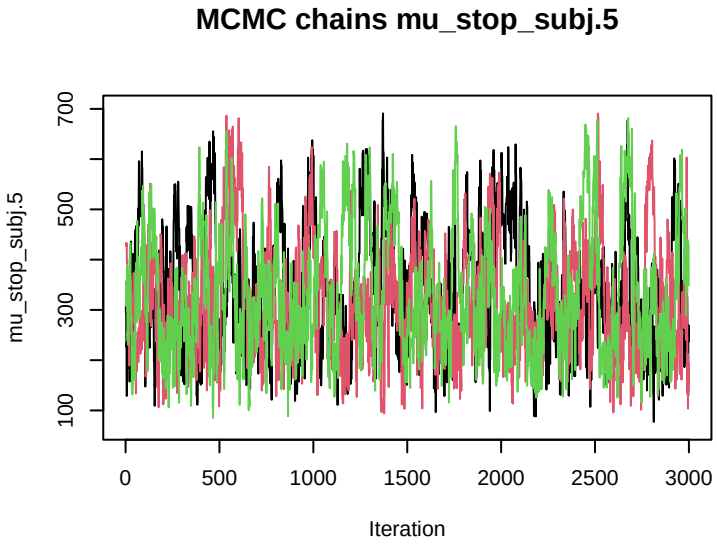
MCMC chains tau_go_subj.4



MCMC chains tau_stop_subj.4




MCMC chains mu_go_subj.5
mu_go_subj.5
400
500
600
700
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains mu_stop_subj.5
mu_stop_subj.5
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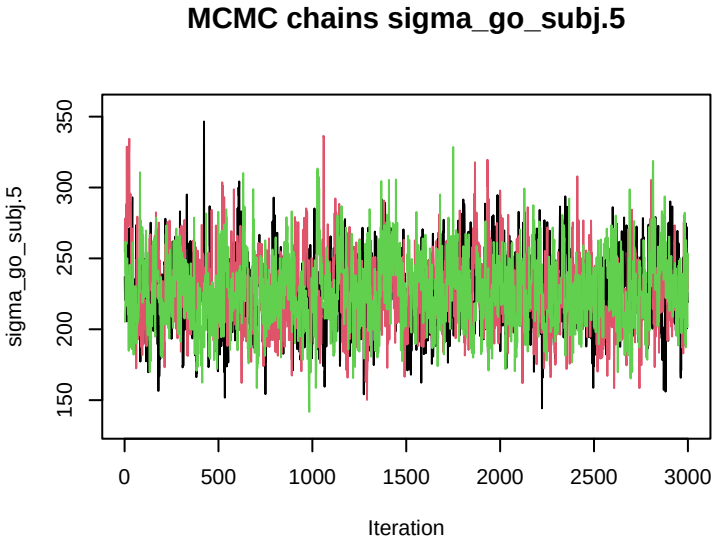
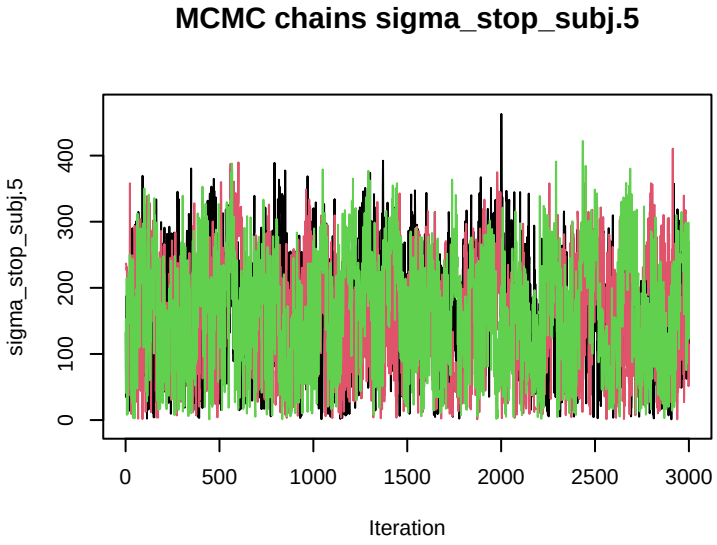
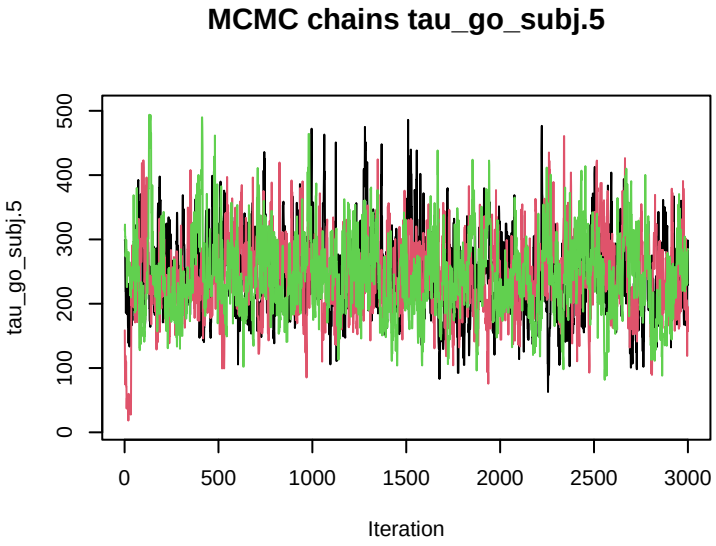
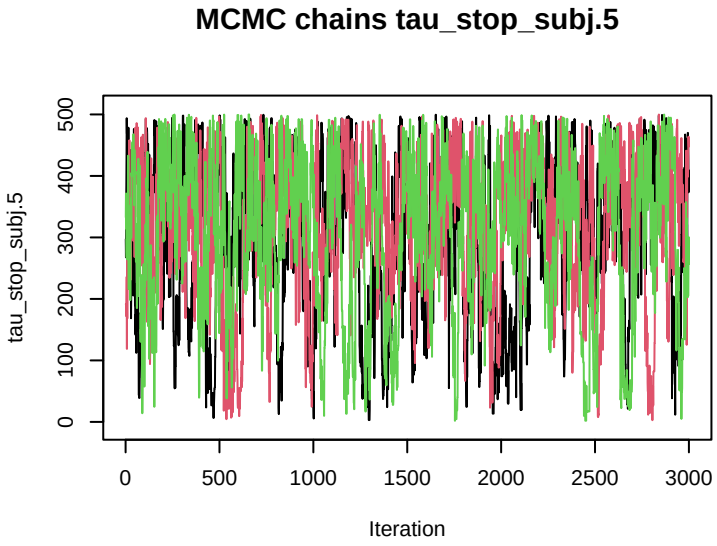
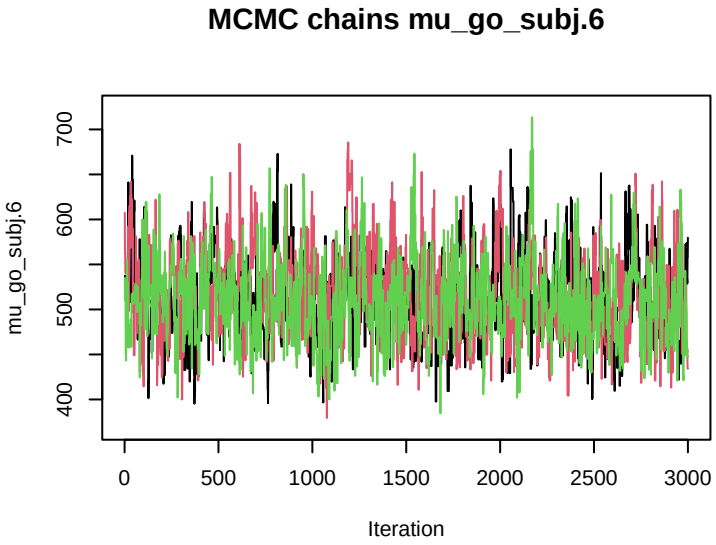
300
500
700
0
500
1000
1500
2000
2500
3000
Iteration

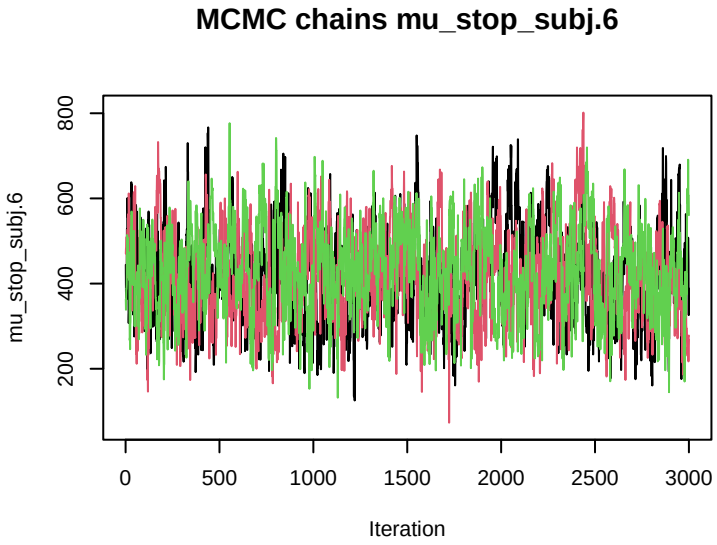

MCMC chains sigma_go_subj.5
sigma_go_subj.5
150
200
250
300
350
0
500
1000
1500
2000
2500
3000
Iteration

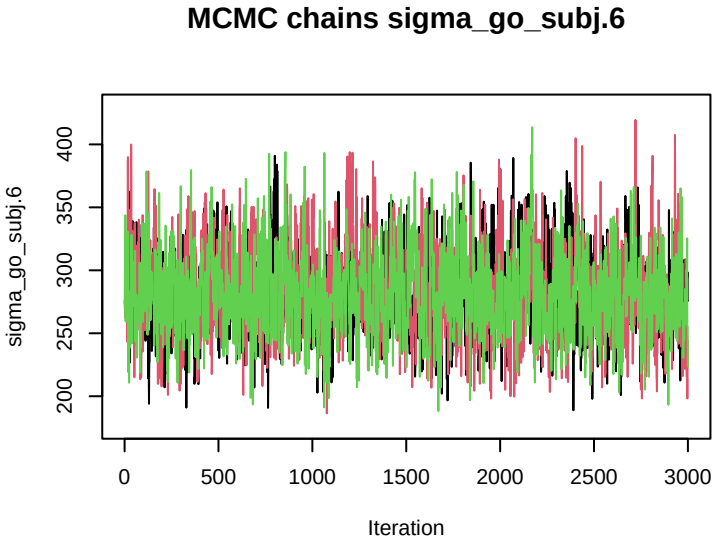

MCMC chains sigma_stop_subj.5
sigma_stop_subj.5
0
100
200
300
400
0
500
1000
1500
2000
2500
3000
Iteration

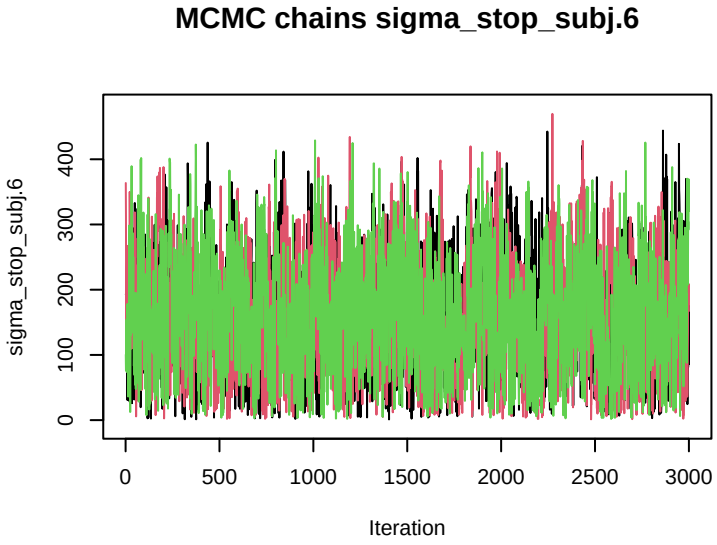

MCMC chains tau_go_subj.5
tau_go_subj.5
0
100
200
300
400
500
0
500
1000
1500
2000
2500
3000
Iteration

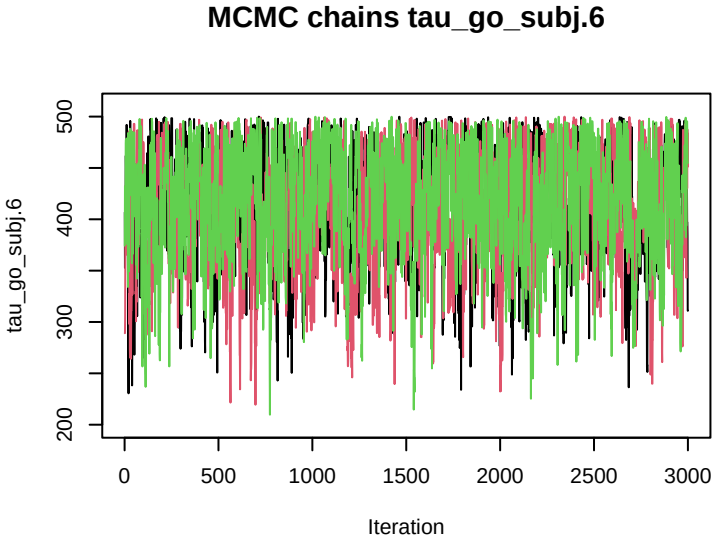

MCMC chains tau_stop_subj.5
tau_stop_subj.5
0
100
200
300
400
500
0
500
1000
1500
2000
2500
3000
Iteration

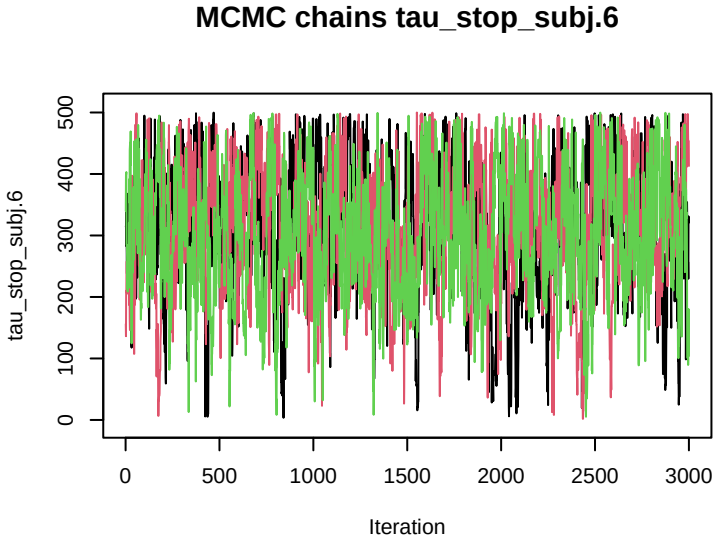

MCMC chains mu_go_subj.6
mu_go_subj.6
400
500
600
700
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains mu_stop_subj.6
mu_stop_subj.6
200
400
600
800
0
500
1000
1500
2000
2500
3000
Iteration

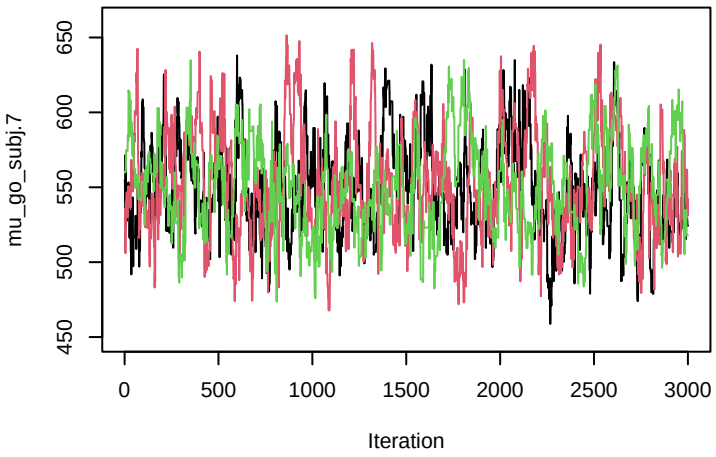

MCMC chains sigma_go_subj.6
sigma_go_subj.6
200
250
300
350
400
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains sigma_stop_subj.6
sigma_stop_subj.6
0
100
200
300
400
0
500
1000
1500
2000
2500
3000
Iteration

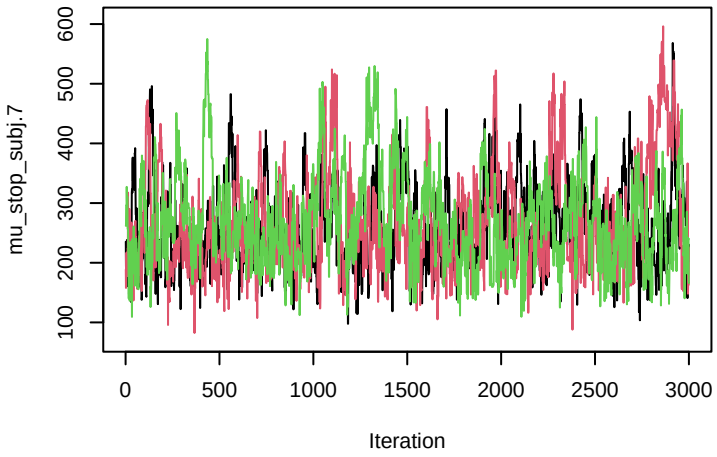

MCMC chains tau_go_subj.6
tau_go_subj.6
200
300
400
500
0
500
1000
1500
2000
2500
3000
Iteration


MCMC chains tau_stop_subj.6
tau_stop_subj.6
0
100
200
300
400
500
0
500
1000
1500
2000
2500
3000
Iteration

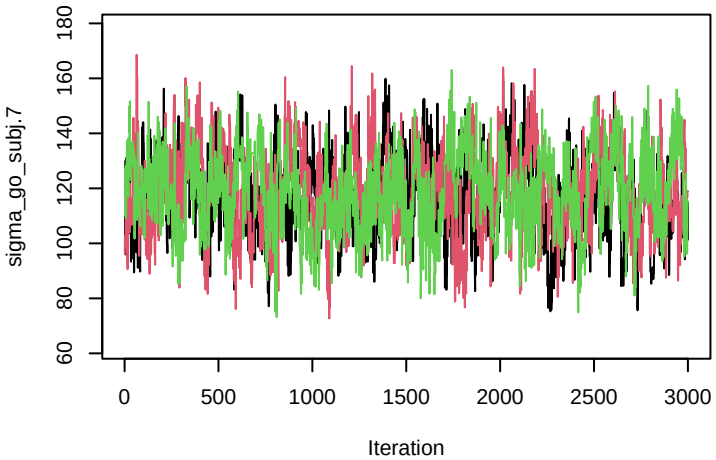
MCMC chains mu_go_subj.7



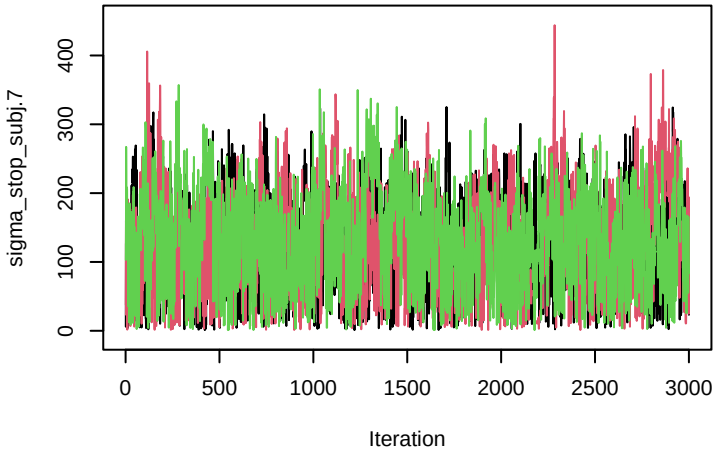
MCMC chains mu_stop_subj.7



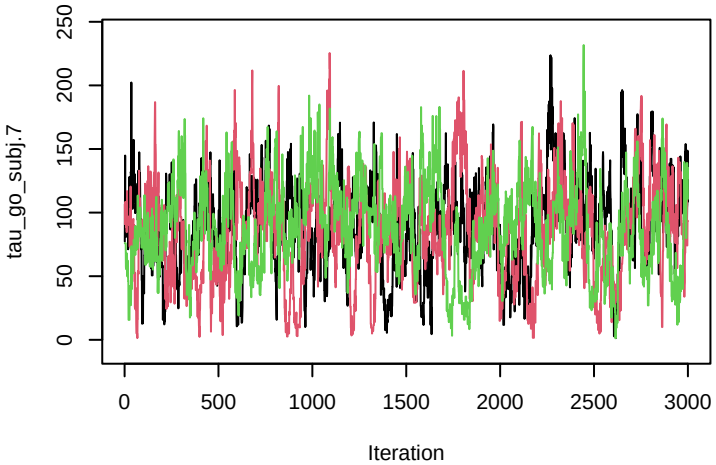
MCMC chains sigma_go_subj.7



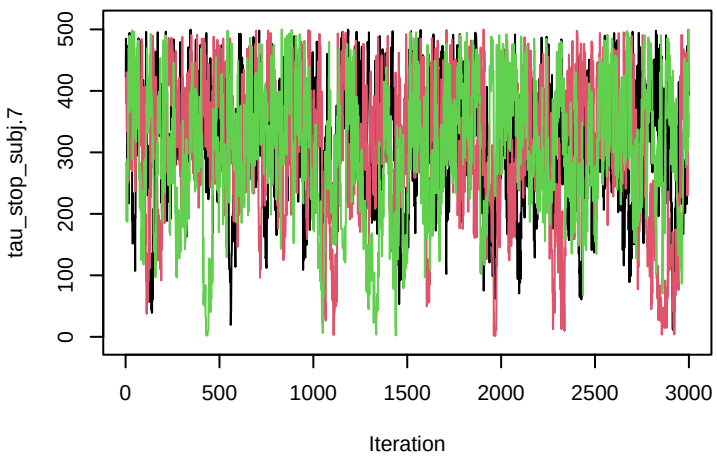
MCMC chains sigma_stop_subj.7



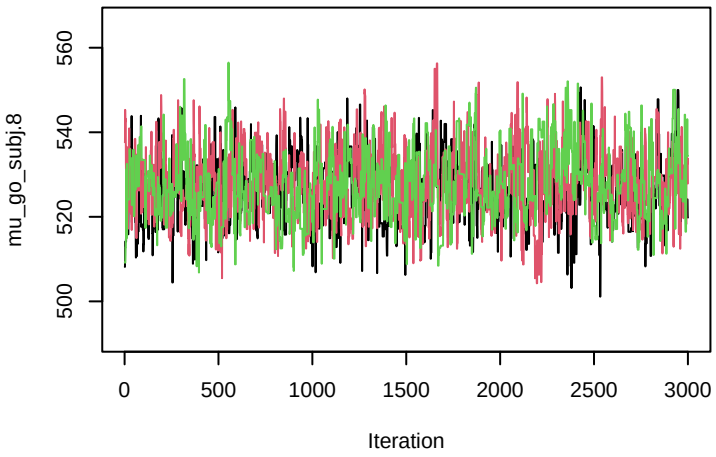
MCMC chains tau_go_subj.7



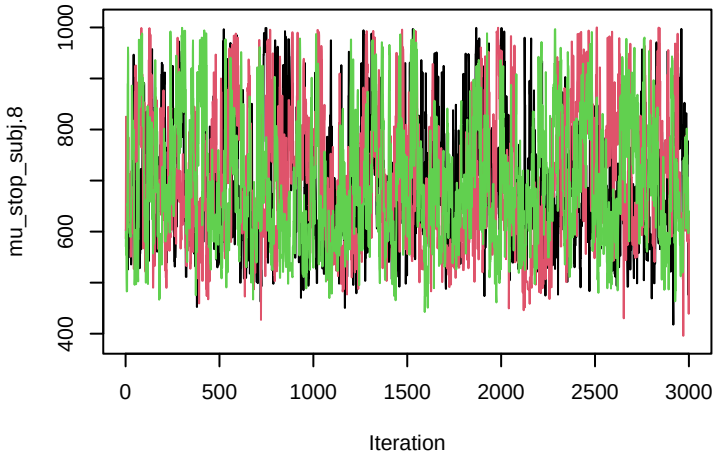
MCMC chains tau_stop_subj.7



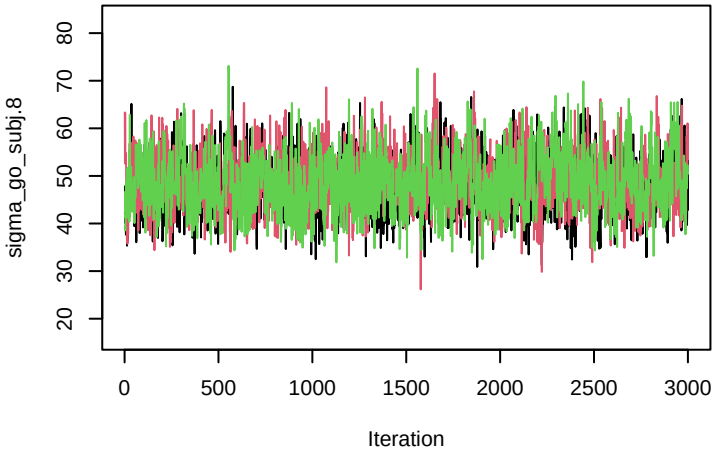
MCMC chains mu_go_subj.8



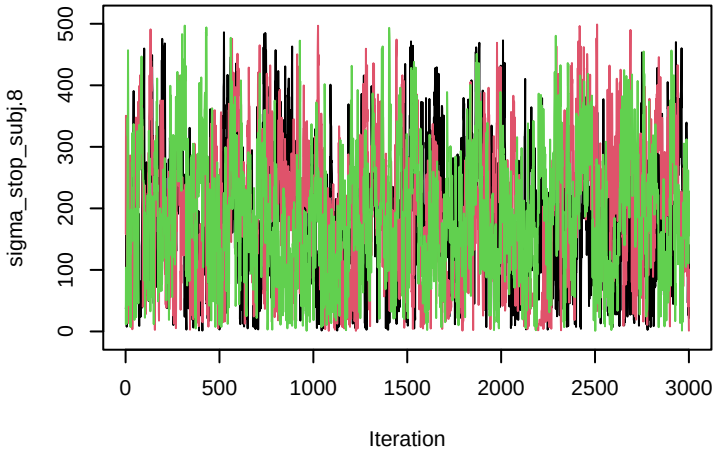
MCMC chains mu_stop_subj.8



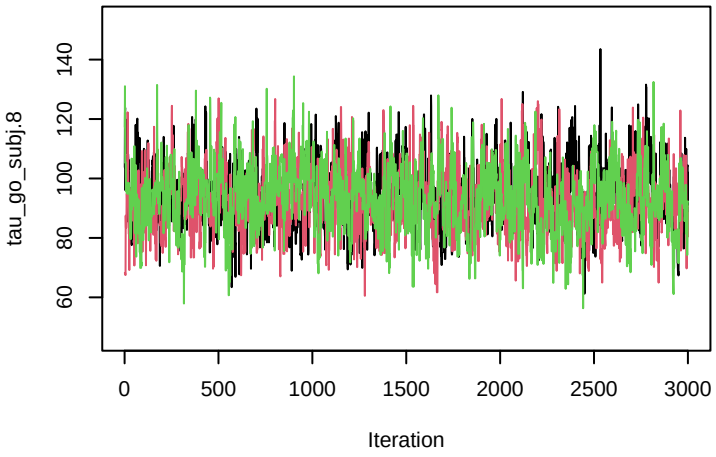
MCMC chains sigma_go_subj.8



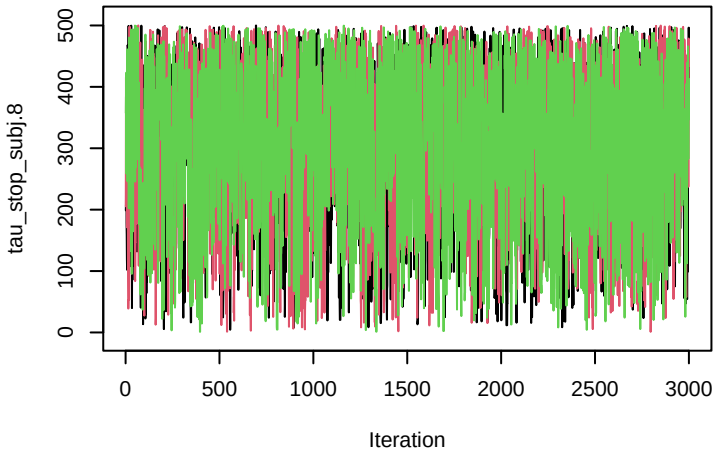
MCMC chains sigma_stop_subj.8



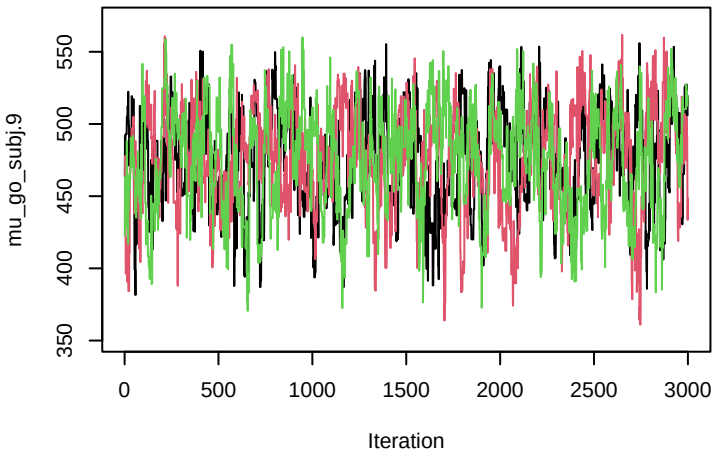
MCMC chains tau_go_subj.8



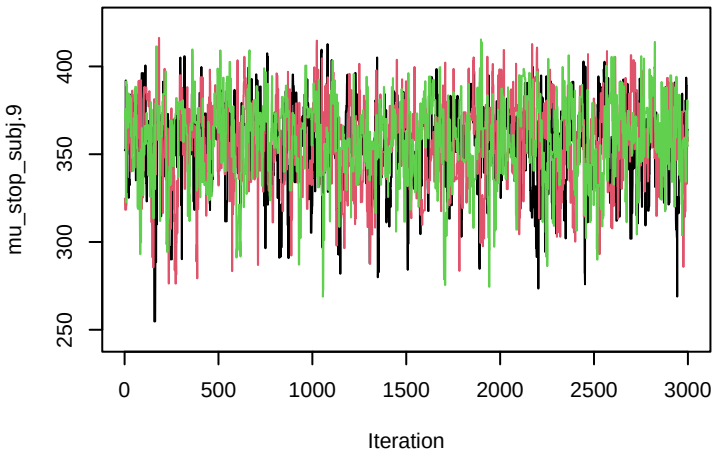
MCMC chains tau_stop_subj.8



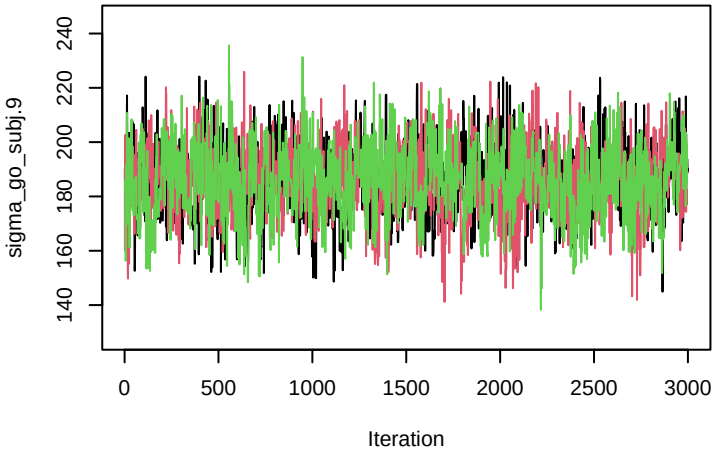
MCMC chains mu_go_subj.9



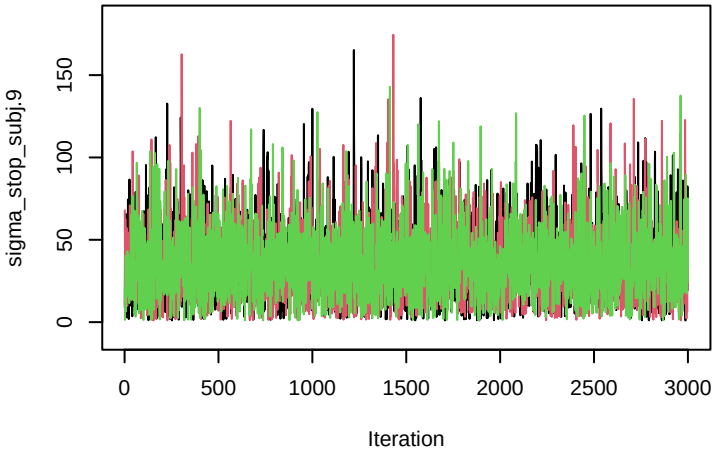
MCMC chains mu_stop_subj.9



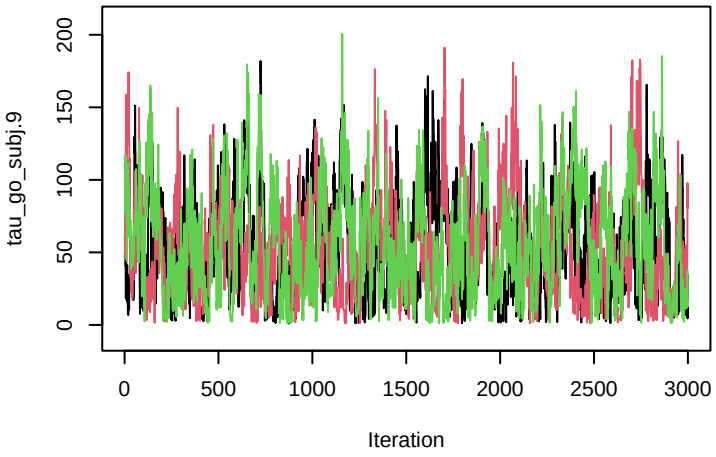
MCMC chains sigma_go_subj.9



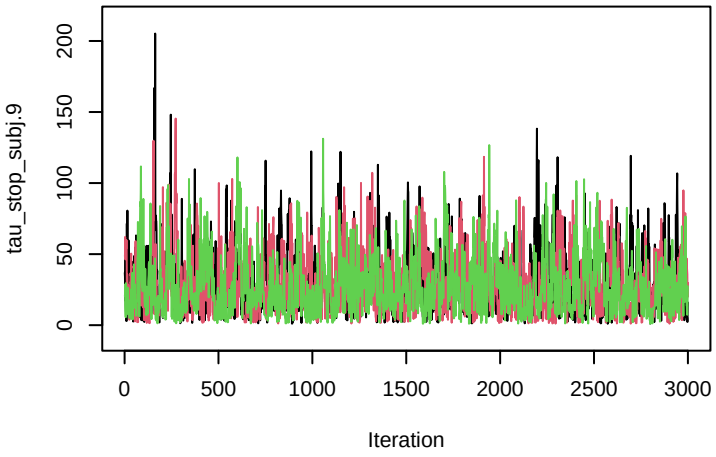
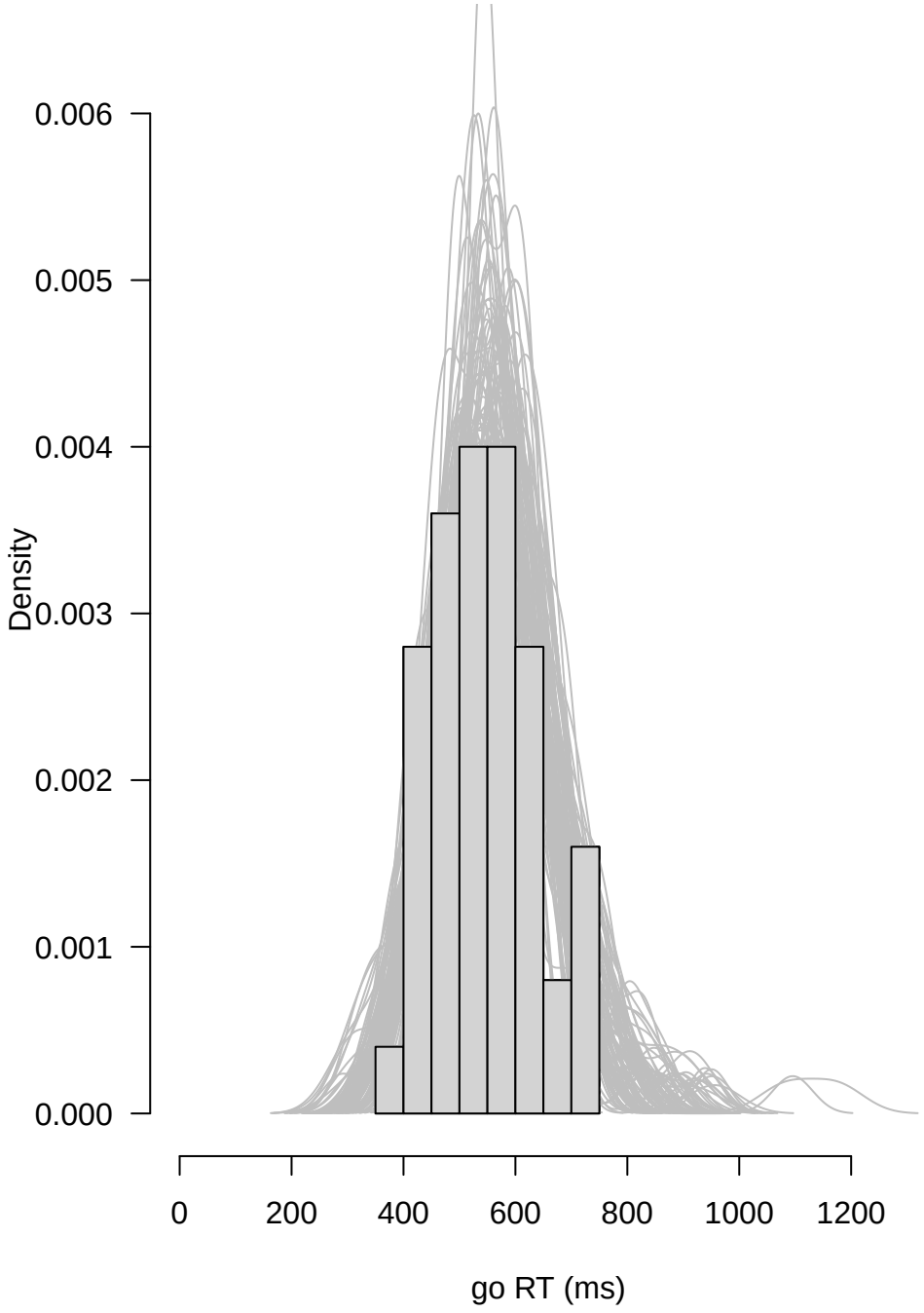
MCMC chains sigma_stop_subj.9



MCMC chains tau_go_subj.9



MCMC chains tau_stop_subj.9



Posterior predictive model check for go RT distribution
Subject 1