

Table S1.

Complete listing of all parameter estimates from the final model.

Measure/relationship estimated	B	SE	β	<i>p</i>
<i>Reaction Time predicted by</i>				
L Parietal (planning)	-3.96	3.81	-.17	.30
L Precentral (planning)	-1.73	1.48	-.12	.24
R Parietal (planning)	3.66	2.70	.18	.18
R Precentral (planning)	.66	2.40	.032	.79
Age	-74.51	13.88	-.49	< .001
<i>L Parietal (execution) predicted by</i>				
L Parietal (planning)	.98	.15	.82	< .001
L Precentral (planning)	.078	.041	.11	.054
R Parietal (planning)	-.055	.11	-.053	.63
R Precentral (planning)	.012	.052	.012	.81
Age	-.12	.43	-.016	.78
<i>L Precentral (execution) predicted by</i>				
L Parietal (planning)	.21	.095	.12	.026 ^a
L Precentral (planning)	1.02	.029	.93	< .001
R Parietal (planning)	-.13	.074	-.084	.075
R Precentral (planning)	-.013	.060	-.008	.83
Age	-.18	.32	-.016	.58
<i>R Parietal (execution) predicted by</i>				
L Parietal (planning)	.12	.11	.11	.25
L Precentral (planning)	.027	.041	.038	.52
R Parietal (planning)	.78	.080	.78	< .001
R Precentral (planning)	.027	.062	.028	.66
Age	-.27	.32	-.037	.39
<i>R Precentral (execution) predicted by</i>				
L Parietal (planning)	.085	.15	.057	.57
L Precentral (planning)	.15	.057	.17	.007
R Parietal (planning)	-.11	.11	-.088	.31
R Precentral (planning)	1.04	.076	.81	< .001
Age	-.49	.43	-.051	.26
<i>Movement Duration predicted by</i>				
L Parietal (planning)	6.63	5.07	.30	.19
L Precentral (planning)	3.11	4.12	.24	.45
R Parietal (planning)	-12.73	4.85	-.67	.009
R Precentral (planning)	.63	3.66	.033	.86
L Parietal (execution)	-5.40	4.36	-.30	.22
L Precentral (execution)	-2.85	4.07	-.24	.49

R Parietal (execution)	13.24	5.39	.70	.014
R Precentral (execution)	-1.11	2.84	-.076	.70
Reaction Time	.47	.094	.52	< .001
Age	-18.61	14.03	-.13	.19
<i>L Parietal (planning) predicted by</i>				
Age	-1.69	.67	-.27	.012
<i>L Precentral (planning) predicted by</i>				
Age	-1.98	1.10	-.19	.071
<i>R Parietal (planning) predicted by</i>				
Age	-1.70	.83	-.23	.040 ^a
<i>R Precentral (planning) predicted by</i>				
Age	-.81	.64	-.11	.21
<i>L Parietal (planning) correlated with</i>				
L Precentral (planning)	96.81	28.41	.61	.001
R Parietal (planning)	8.86	24.88	.74	.001
R Precentral (planning)	49.02	11.13	.44	< .001
<i>L Precentral (planning) correlated with</i>				
R Parietal (planning)	79.06	27.33	.43	.004
R Precentral (planning)	74.17	25.40	.39	.004
<i>R Parietal (planning) correlated with</i>				
R Precentral (planning)	5.91	9.94	.39	< .001
<i>L Parietal (execution) correlated with</i>				
L Precentral (execution)	11.89	4.14	.42	.004
R Parietal (execution)	19.52	5.67	.64	.001
R Precentral (execution)	21.38	8.82	.50	.015
Reaction Time	197.09	17.11	.15	.25
<i>L Precentral (execution) correlated with</i>				
R Parietal (execution)	9.38	2.92	.42	.001
R Precentral (execution)	6.47	4.21	.21	.12
Reaction Time	138.04	109.49	.15	.21
<i>R Parietal (execution) correlated with</i>				
R Precentral (execution)	17.57	4.98	.51	< .001
Reaction Time	166.89	107.70	.16	.12
<i>R Precentral (execution) correlated with</i>				
Reaction Time	242.66	144.51	.17	.093

^aThese parameters were not statistically significant following FDR correction

“B” = unstandardized coefficient; “SE” = standard error about the unstandardized coefficient;

“β” = standardized coefficient