

(Working Title) Appendix: Task Switching Replication Cognitive Control under varying Posture

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Abstract

Appendix of all figures, tables and materials generated by the project. Not all figures and tables may be used in final document, so can refer to this document for details of data analysis, visualizations, summary tables and other products of this project.

Appendix

Tables

Figures

Table 1: Summary of experiment participants results

	part	cond	trials	accuracy	std	rt	std
date							
2021-11-10 10:22:00	1	1	384	0.9375	0.2424	0.6220	0.2572
2021-11-10 11:15:00	2	2	384	0.7422	0.4380	0.7217	0.2333
2021-11-10 12:20:00	3	3	384	0.8932	0.3092	0.6623	0.2062
2021-11-10 13:18:00	4	4	384	0.9036	0.2955	0.6129	0.2225
2021-11-10 14:23:00	5	5	384	0.8620	0.3454	0.5193	0.2228
2021-11-10 15:12:00	6	6	384	0.9479	0.2225	0.4136	0.1723
2021-11-11 10:09:00	7	7	48	0.8125	0.3944	0.5453	0.1785
2021-11-11 15:07:00	7	7	384	0.9401	0.2376	0.6207	0.1867
2021-11-11 16:36:00	8	8	384	0.5026	0.5006	0.8151	0.2968

Table 2: Means and standard deviations of accuracy and reaction times (in ms) as a function of posture and experiment trial types.

			accuracy	std	rt	std
posture	congruentTrialType	switchTrialType				
sitting	congruent	noswitch	0.9076	0.2900	0.5491	0.2137
		switch	0.7981	0.4019	0.6246	0.2628
	incongruent	noswitch	0.8759	0.3301	0.5634	0.2293
		switch	0.8627	0.3446	0.6167	0.2453
standing	congruent	noswitch	0.8460	0.3614	0.6294	0.2524
		switch	0.7904	0.4075	0.6854	0.2730
	incongruent	noswitch	0.8131	0.3903	0.6185	0.2422
		switch	0.8409	0.3662	0.6543	0.2590

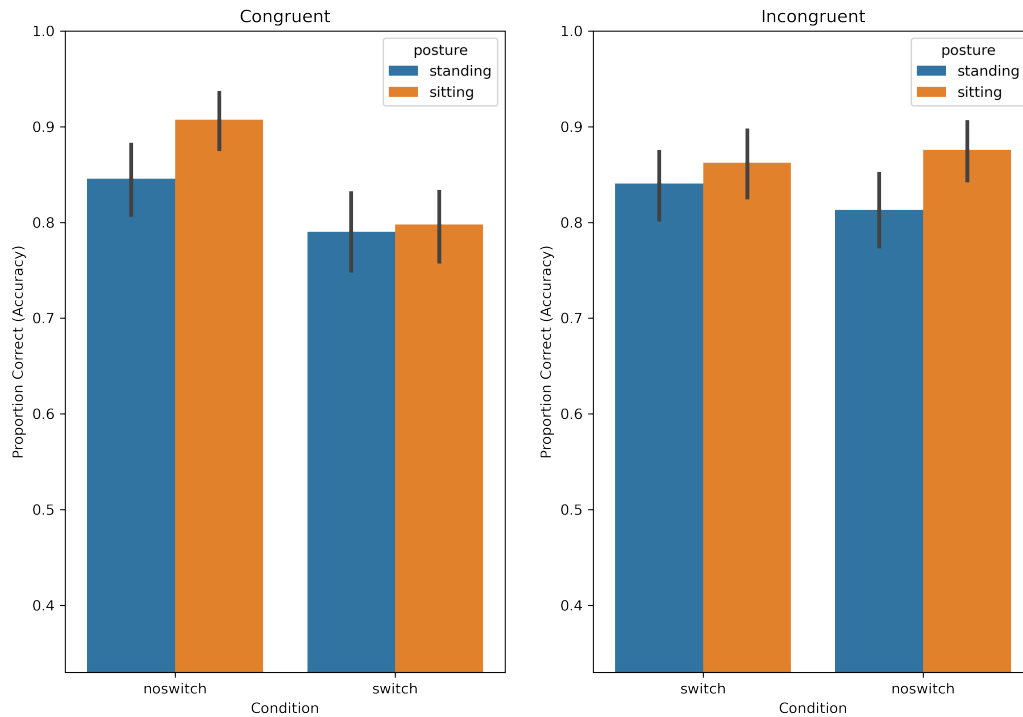


Figure 1: Accuracy from Experiment (replication of task switching). The results show proportion of correct responses (or accuracy) broken down by experiment conditions (congruent vs. incongruent trials, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence interval.

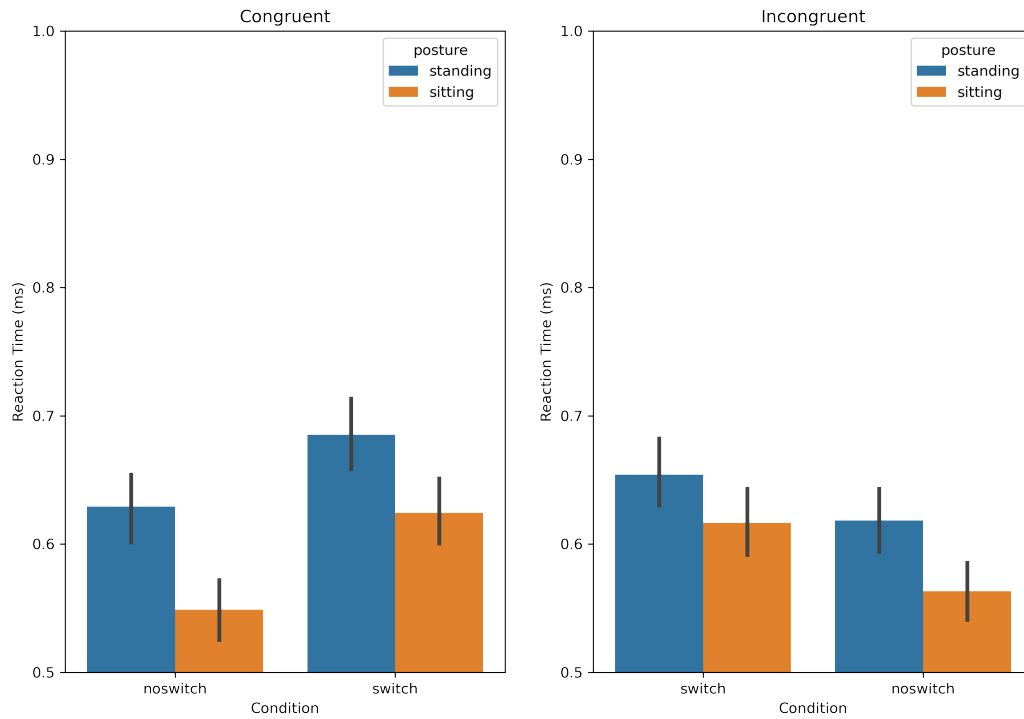


Figure 2: Reaction time from Experiment (replication of task switching). The results show average reaction times broken down by experiment conditions (congruent vs. incongruent, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence interval.