

(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							
2021-11-04 14:46:00	8000	2	384	0.8151	0.3887	0.7431	0.2794
2021-11-04 15:31:00	8001	10	384	0.9375	0.2424	0.6804	0.2140
2021-11-04 15:59:00	8002	3	384	0.9479	0.2225	0.5421	0.2037
2021-11-05 10:33:00	8003	11	384	0.9141	0.2806	0.6800	0.2211
2021-11-05 11:00:00	8004	4	384	0.8542	0.3534	0.5948	0.1941
2021-11-05 13:22:00	8005	12	384	0.9401	0.2376	0.6641	0.1877
2021-11-05 14:19:00	8006	5	384	0.9375	0.2424	0.7225	0.2694
2021-11-05 14:47:00	8003	13	384	0.9271	0.2603	0.5445	0.2384
2021-11-05 15:13:00	8008	6	384	0.8464	0.3611	0.5715	0.2087
2021-11-08 13:30:00	8010	8	384	0.9010	0.2990	0.6274	0.2190
2021-11-08 14:02:00	8011	15	384	0.3255	0.4692	0.4939	0.3512
2021-11-08 14:49:00	8012	16	384	0.9531	0.2116	0.5784	0.2636
2021-11-09 14:53:00	8015	1	384	0.9557	0.2060	0.5161	0.2081
2021-11-09 16:12:00	8016	3	384	0.9688	0.1742	0.4667	0.1783

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	0.9276	0.2593	0.5427	0.2232
		switch	0.8488	0.3586	0.6837	0.2696
	incongruent	noswitch	0.9295	0.2562	0.5740	0.2275
		switch	0.8914	0.3114	0.6536	0.2410
standing	congruent	noswitch	0.8929	0.3095	0.5164	0.2023
		switch	0.7961	0.4032	0.6508	0.2503
	incongruent	noswitch	0.8482	0.3591	0.5864	0.2491
		switch	0.8512	0.3562	0.6321	0.2342

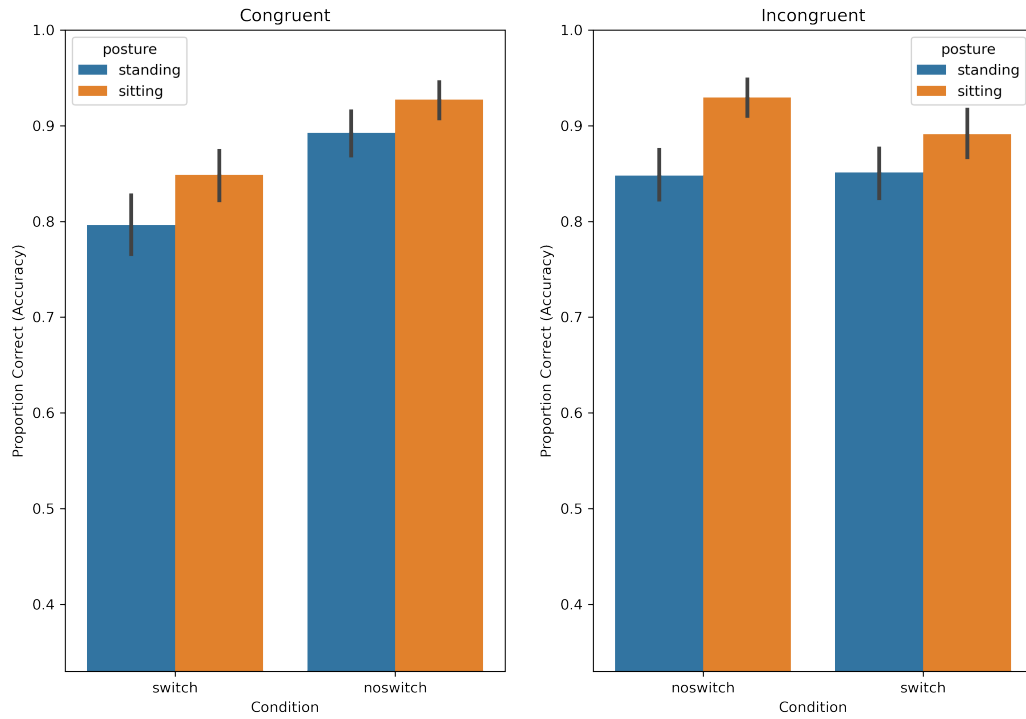


Figure 1: Accuracy from Experiment (replication of task switching). The results show proportion of correct responses (or accuracy) broken down by experiment conditions (congruent vs. incongruent trials, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence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

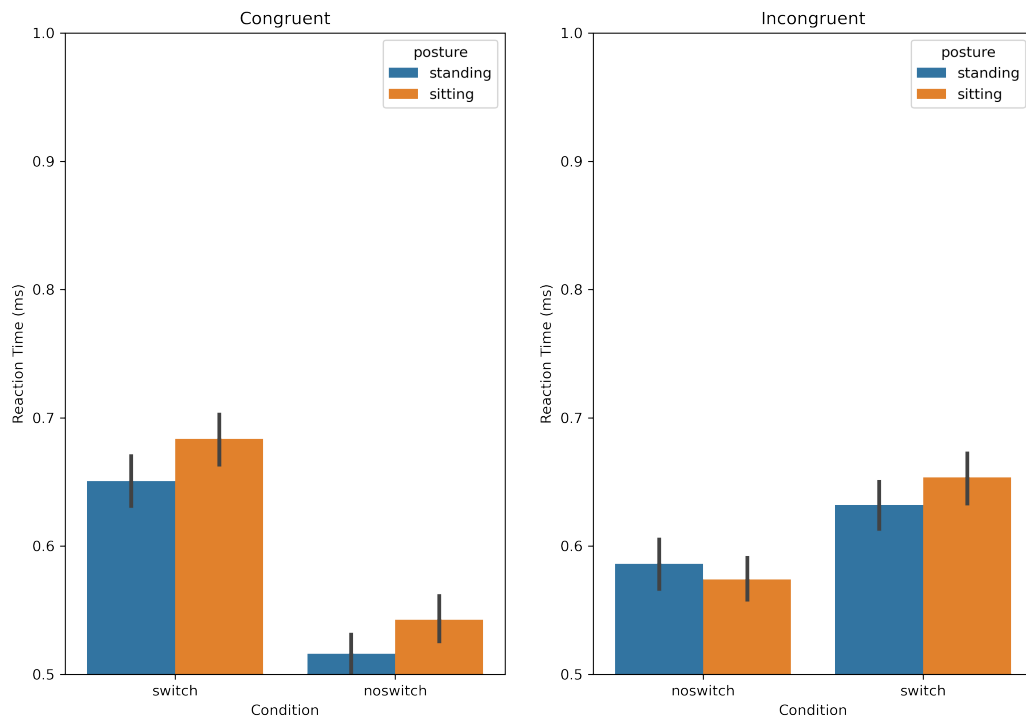


Figure 2: Reaction time from Experiment (replication of task switching). The results show average reaction times broken down by experiment conditions (congruent vs. incongruent, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence interval.