

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

Authors
Texas A&M University - Commerce

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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

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	0.9593	0.1978	0.5689	0.2253
		switch	0.8700	0.3367	0.7106	0.2592
	incongruent	noswitch	0.9507	0.2168	0.5935	0.2240
		switch	0.8995	0.3010	0.6777	0.2265
standing	congruent	noswitch	0.9329	0.2505	0.5536	0.2010
		switch	0.8403	0.3668	0.6923	0.2331
	incongruent	noswitch	0.8796	0.3258	0.6300	0.2482
		switch	0.8866	0.3175	0.6739	0.2191

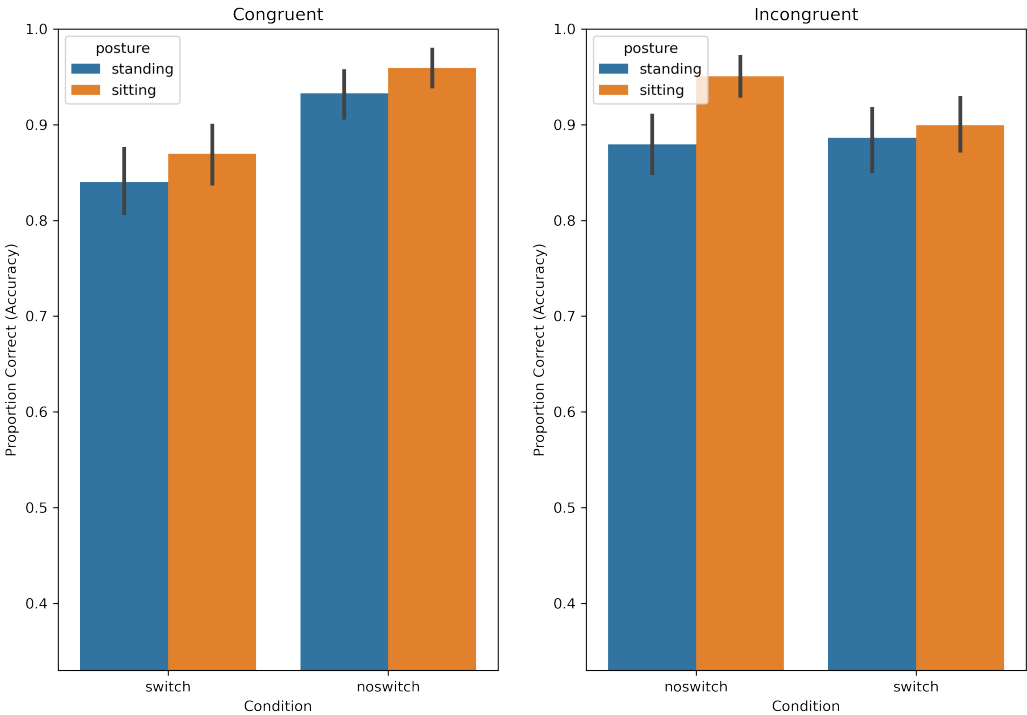


Figure 1: Accuracy from Experiment (replication of task switching). The results show proportion of correct responses (or accuracy) broken down by experiment conditions (congruent vs. incongruent trials, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence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

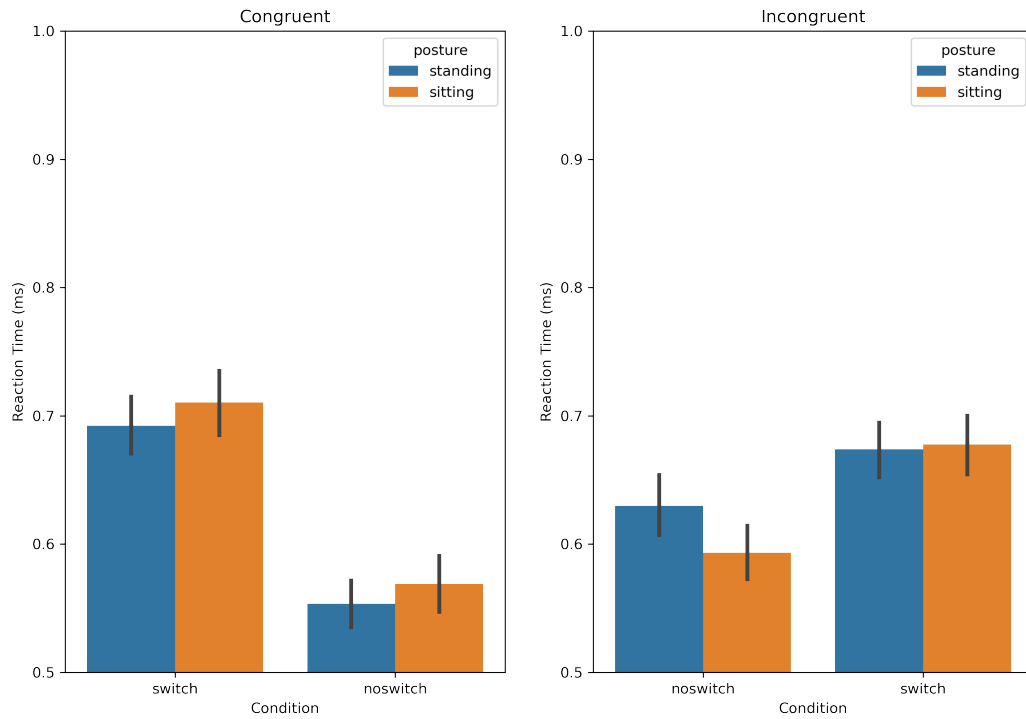


Figure 2: Reaction time from Experiment (replication of task switching). The results show average reaction times broken down by experiment conditions (congruent vs. incongruent, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence interval.