## (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:	Table 1: Summary of experiment participants results									
	part	$\operatorname{cond}$	trials	accuracy	$\operatorname{std}$	$\operatorname{rt}$	$\operatorname{std}$			
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 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			
2021-11-12 10:11:00	9	9	384	0.9167	0.2767	0.6004	0.2110			
2021-11-12 11:11:00	10	10	384	0.8281	0.3778	0.5416	0.2168			
2021-11-12 12:36:00	11	11	384	0.9583	0.2001	0.3695	0.1196			
2021-11-12 13:51:00	12	12	384	0.9036	0.2955	0.5580	0.2459			
2021-11-15 10:01:00	13	13	384	0.9583	0.2001	0.5475	0.2020			
2021-11-15 11:16:00	14	14	384	0.9505	0.2171	0.5754	0.2103			
2021-11-15 14:40:00	15	15	384	0.7526	0.4321	0.6921	0.2405			
2021-11-15 15:42:00	16	16	384	0.9375	0.2424	0.6687	0.1828			
2021-11-16 09:58:00	17	1	384	0.9401	0.2376	0.4932	0.1977			
2021-11-16 11:08:00	18	2	384	0.8359	0.3708	0.5689	0.2471			
2021-11-16 15:54:00	19	3	384	0.8307	0.3755	0.7067	0.2999			
2021-11-17 10:00:00	20	4	384	0.9323	0.2516	0.7246	0.2161			
2021-11-17 11:23:00	21	5	384	0.8203	0.3844	0.7619	0.2169			
2021-11-17 13:17:00	22	6	384	0.9401	0.2376	0.4563	0.2175			
2021-11-18 11:17:00	23	7	384	0.9271	0.2603	0.6079	0.2106			
2021-11-18 13:20:00	24	8	384	0.9141	0.2806	0.6018	0.2103			
2021-11-18 13:58:00	25	9	384	0.9115	0.2845	0.5227	0.1956			
2021-11-19 09:59:00	26	10	384	0.9583	0.2001	0.5568	0.2058			
2021-11-19 11:08:00	27	11	384	0.8854	0.3189	0.6391	0.2478			
2021-11-19 13:24:00	28	12	384	0.9167	0.2767	0.6059	0.2302			
2021-11-19 14:34:00	29	13	384	0.8047	0.3970	0.8385	0.2199			
2021-11-19 15:42:00	30	14	384	0.8854	0.3189	0.5718	0.1776			

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

			accuracy	$\operatorname{std}$	$\operatorname{rt}$	$\operatorname{std}$
posture	congruant Trial Type	switch Trial Type				
sitting	congruant	noswitch	0.9302	0.2549	0.5541	0.2139
		switch	0.8148	0.3886	0.6550	0.2573
	incongruant	noswitch	0.9060	0.2919	0.5851	0.2347
		switch	0.8928	0.3095	0.6267	0.2428
standing	congruant	noswitch	0.9086	0.2882	0.5673	0.2277
		switch	0.8324	0.3736	0.6433	0.2597
	incongruant	noswitch	0.8896	0.3134	0.5760	0.2331
		switch	0.8803	0.3247	0.6270	0.2481

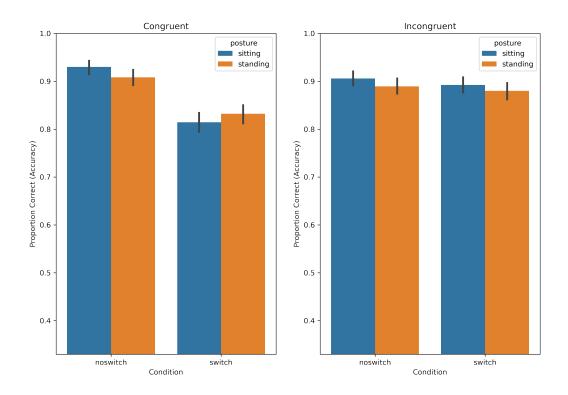


Figure 1: Accuracy from Experiment (replication of task switching). The results show proportion of correct responses (or accuracy) broken down by experiment conditions (congruent vs. incongruent trials, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence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

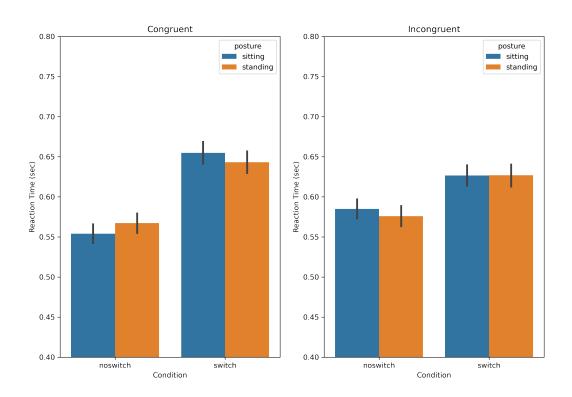


Figure 2: Reaction time from Experiment (replication of task switching). The results show average reaction times broken down by experiment conditions (congruent vs. incongruent, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence interval.