## (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 cond trials accuracy  $\operatorname{std}$ part rtdate 0.2424 0.62200.25722021-11-10 10:22:00 1 384 0.93751 2021-11-10 11:15:00 2 2 384 0.74220.43800.72170.23332021-11-10 12:20:00 3 3 384 0.89320.30920.66230.20622021-11-10 13:18:00 4 4 384 0.90360.29550.61290.22250.34542021-11-10 14:23:00 5 5 384 0.86200.51930.22280.22252021-11-10 15:12:00 6 6 384 0.94790.41360.17237 7 0.23762021-11-11 15:07:00 384 0.9401 0.62070.18672021-11-11 16:36:00 8 8 384 0.50260.50060.81510.29689 9 384 0.91670.27670.60042021-11-12 10:11:00 0.2110 2021-11-12 11:11:00 10 10 384 0.82810.37780.54160.21682021-11-12 12:36:00 11 11 384 0.95830.2001 0.36950.119612 12 384 0.90360.29550.55802021-11-12 13:51:00 0.24592021-11-15 10:01:00 13 13 384 0.95830.20010.54750.2020384 0.21712021-11-15 11:16:00 1414 0.95050.57540.21032021-11-15 14:40:00 15 15 384 0.75260.43210.69210.24052021-11-15 15:42:00 16 16 384 0.93750.24240.66870.18282021-11-16 09:58:00 17 1 384 0.9401 0.23760.49320.19772 384 0.83590.37080.56892021-11-16 11:08:00 18 0.24713 384 0.83070.37550.70672021-11-16 15:54:00 19 0.299920 2021-11-17 10:00:00 4 384 0.93230.25160.72460.2161 2021-11-17 11:23:00 21 5 384 0.82030.38440.76190.216922 384 0.23762021-11-17 13:17:00 6 0.94010.45630.21752021-11-18 11:17:00 23 7 384 0.92710.26030.60790.2106 2021-11-18 13:20:00 24 8 384 0.9141 0.28060.60180.21030.28452021-11-18 13:58:00 25 9 384 0.91150.52270.19562021-11-19 09:59:00 26 10 384 0.95830.20010.55680.20582021-11-19 11:08:00 2711 384 0.88540.31890.63910.24782021-11-19 13:24:00 28 12 384 0.91670.27670.60590.23022021-11-19 14:34:00 29 13 384 0.80470.39700.83850.219914 384 0.88540.31890.57182021-11-19 15:42:00 30 0.17762021-11-22 10:03:00 31 15 384 0.82030.38440.74180.27772021-11-22 14:35:00 32 16 384 0.88540.31890.74820.2146384 2021-11-22 15:49:00 33 1 0.89580.30590.50700.23932 0.29902021-11-23 10:06:00 34 384 0.90100.64270.2494 0.23760.6231 2021-11-23 11:35:00 35 3 384 0.94010.2191384 0.27280.58592021-11-23 13:20:00 36 4 0.91930.24622021-11-23 14:24:00 37 5 384 0.87500.33120.57950.24412021-11-29 09:54:00 38 6 384 0.86460.34260.52520.2230 7 2021-11-29 11:18:00 39 384 0.8411 0.36600.67830.23822021-11-29 14:39:00 40 8 384 0.99220.08820.40030.09419 384 0.26872021-11-29 15:46:00 41 0.92190.46260.17322021-11-30 10:23:00 42 10 384 0.83070.37550.62400.2558384 0.23760.71742021-11-30 11:03:00 43 11 0.94010.21073842021-11-30 13:21:00 44 12 0.7031 0.45750.45590.18912021-11-30 14:42:00 13 384 0.94010.23760.616545 0.2512

384

0.8490

0.3586

14

46

2021-11-30 15:58:00

0.7722

0.2440

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	0.9253	0.2630	0.5620	0.2231
		switch	0.8151	0.3883	0.6501	0.2611
	incongruant	noswitch	0.9074	0.2900	0.5908	0.2390
		switch	0.8852	0.3188	0.6331	0.2534
standing	congruant	noswitch	0.9120	0.2833	0.5641	0.2258
		switch	0.8200	0.3843	0.6537	0.2637
	incongruant	noswitch	0.8908	0.3119	0.5842	0.2388
		switch	0.8778	0.3276	0.6301	0.2469

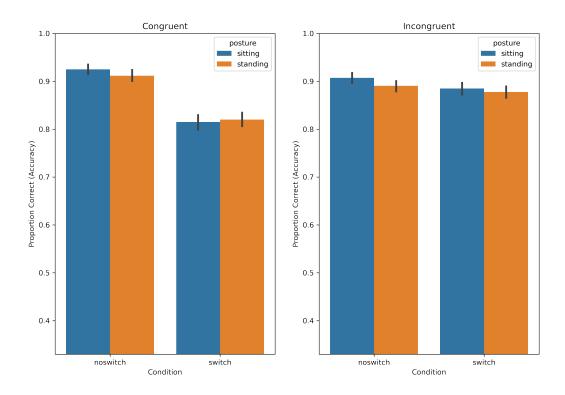


Figure 1: Accuracy from Experiment (replication of task switching). The results show proportion of correct responses (or accuracy) broken down by experiment conditions (congruent vs. incongruent trials, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence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

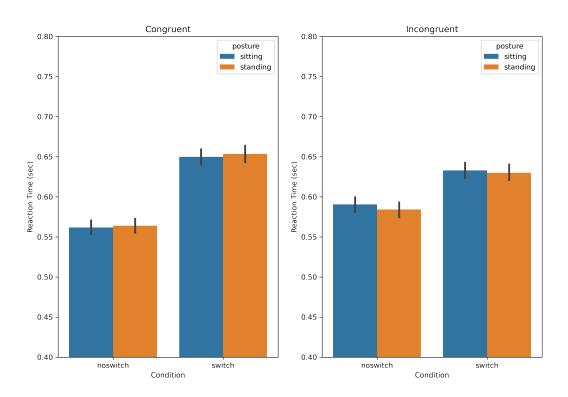


Figure 2: Reaction time from Experiment (replication of task switching). The results show average reaction times broken down by experiment conditions (congruent vs. incongruent, switch vs. no switch trials, in the standing or sitting posture). Error bars represent 95% confidence interval.