(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

Some text here.

Figures

Table 1: Summary of experiment participants results. Number of samples, and the head and torso displacement rates (cm / sec) during experiment are shown.

part	date	samples	head	torso
1	2021-11-10 10:21	47313	8.9003	11.1145
2	2021-11-10 11:15	56914	4.7283	11.9592
3	2021-11-10 12:20	45214	6.9888	10.5059
4	2021-11-10 13:18	43433	25.0138	32.3929
5	2021-11-10 14:22	43511	6.4112	8.5370
6	2021-11-10 15:12	35283	5.9387	10.5915
7	2021-11-11 15:07	46522	7.7369	8.0285
8	2021-11-11 16:36	74490	11.0582	13.2773
9	2021-11-12 10:09	51769	8.8255	10.8569
10	2021-11-12 11:10	46269	6.8950	7.8674
11	2021-11-12 12:35	41928	7.0221	6.4032
12	2021-11-12 13:50	43413	8.4227	10.2393
13	2021-11-15 09:58	41690	6.6606	11.7596
14	2021-11-15 11:14	43444	5.2059	8.9798
16	2021-11-15 15:40	44641	4.9426	6.6946
17	2021-11-16 09:56	42725	7.8733	9.6434
18	2021-11-16 11:06	47743	5.1611	11.4212
19	2021-11-16 15:54	51282	8.4501	10.7171
20	2021-11-17 09:57	46214	6.4380	8.1989
21	2021-11-17 11:21	53665	5.6838	10.4252
22	2021-11-17 13:17	38117	5.5729	8.1683
23	2021-11-18 11:15	42262	8.3961	18.1031
24	2021-11-18 13:20	41754	9.8886	17.0686
25	2021-11-18 13:57	41585	6.5058	10.8212
26	2021-11-19 09:58	40545	8.1761	11.8755
27	2021-11-19 11:06	45071	7.1765	10.6629
28	2021-11-19 13:23	41499	4.3045	8.7350
29	2021-11-19 14:31	57281	6.3634	16.7651
30	2021-11-19 15:41	41584	5.1139	10.8921
31	2021-11-22 10:21	19579	3.7787	5.8689
32	2021-11-22 14:34	44503	8.4410	12.7960
33	2021-11-22 15:48	42202	8.5518	11.5361
34	2021-11-23 10:03	52300	14.9674	17.5952
35	2021-11-23 11:34	42098	5.6152	8.0991
36	2021-11-23 13:19	47396	6.0828	7.9871
37	2021-11-23 14:23	47492	10.9266	12.4611
38	2021-11-29 09:52	53144	24.6938	16.5790
39	2021-11-29 11:18	54257	14.2836	14.0626
40	2021-11-29 14:39	38087	7.2533	11.9544
41	2021-11-29 15:46	38145	7.1651	9.3078
42	2021-11-30 10:21	55920	6.8278	10.5236
43	2021-11-30 11:07	38961	5.2640	9.3822

Table 2: Fit of logistic regression model with response (correct or incorrect) as the dependent variable, and average torso joint movement leading up to the response as the independent variable.

Dep. Variable:	correctValue	No. Observations:	11090
Model:	Logit	Df Residuals:	11088
Method:	MLE	Df Model:	1
Date:	Tue, 30 Nov 2021	Pseudo R-squ.:	0.0001192
Time:	13:12:11	Log-Likelihood:	-3448.5
converged:	True	LL-Null:	-3448.9

	coef	std err	z	P>|z|	[0.025	0.975]
const	2.3108	0.056	41.361	0.000	2.201	2.420
jointTorsoDisplacement	-0.0004	0.000	-0.921	0.357	-0.001	0.000

Figure 1: Reaction time of participants plotted as a function of average joint movement (displacement) captured from Kinect tracking sensor. Correct and incorrect responses are indicated by marker color and shape.
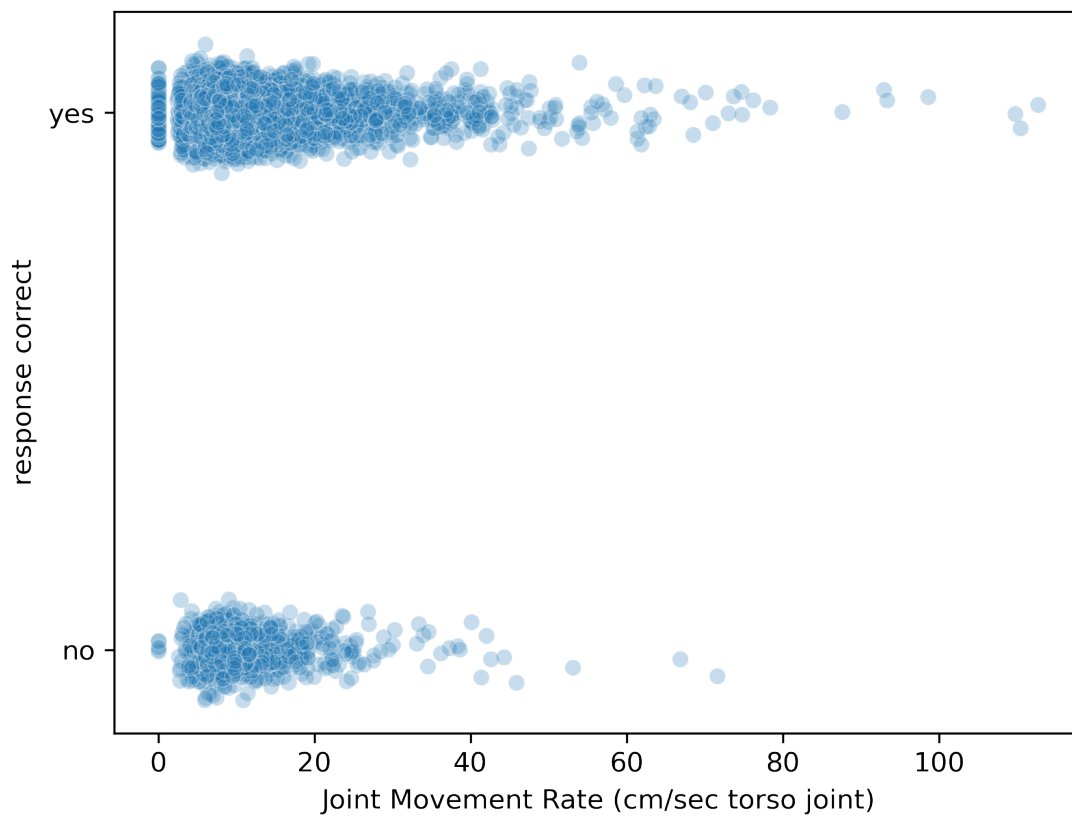
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