

Supplementary Table 2

fMRI Decision Model 1

Regressor: Rw

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
19	2473	9.90E-25	24	5	2	20	50	-3.6	15	50.2	106	-32	-4	70	37.3
18	2225	5.45E-23	22.3	4.38	-44	-30	36	-37.8	-43.6	50.4	138	-48	-40	60	46.6
17	1012	3.04E-13	12.5	4.25	28	-54	-24	24.4	-65.2	-21.5	69.3	28	-76	-18	30.7
16	961	9.12E-13	12	5.28	16	18	10	14.1	6.95	5.24	53.7	8	6	4	23.2
15	949	1.19E-12	11.9	5.22	-12	6	0	-13.8	10.2	1.54	63.2	-6	2	10	26.2
14	358	3.40E-06	5.47	4.29	50	-70	2	51.1	-65.7	-2.31	49.2	52	-66	0	28.9
13	326	9.12E-06	5.04	4.03	-54	14	0	-51.7	9.56	22.4	67	-54	18	-4	35
12	315	1.29E-05	4.89	4.31	-42	54	12	-40.2	50.1	10	55.2	-42	54	12	33.6
11	304	1.82E-05	4.74	4.29	30	-38	44	38.6	-41.1	52	76.2	48	-38	62	41.4
10	299	2.15E-05	4.67	4.23	36	-2	52	32.9	-3.98	56.6	87.5	32	4	66	40.2
9	211	4.25E-04	3.37	4.15	-14	-18	4	-10.8	-18.8	7.3	31	-2	-12	10	15.8
8	207	4.92E-04	3.31	4.36	60	14	2	54.5	11	14.1	53.1	60	14	2	29.6
7	195	7.63E-04	3.12	3.97	12	-70	56	16.6	-68.9	52.9	82.2	12	-70	62	49.9
6	179	1.39E-03	2.86	4.37	-32	-68	-24	-32.9	-58.6	-26.3	36.8	-32	-68	-22	23.5
5	168	2.13E-03	2.67	4.17	28	-76	-50	24.5	-74.2	-49.4	30.8	30	-74	-50	23.8
4	149	4.52E-03	2.35	4.18	42	48	16	40.6	47.4	18.9	38.9	42	52	12	29.7
3	146	5.10E-03	2.29	3.91	20	-100	6	16.7	-101	3.96	57.5	12	-102	0	40.2
2	127	1.12E-02	1.95	4.03	2	-58	-24	2.84	-60.8	-29	19.7	4	-66	-38	15.9
1	105	2.94E-02	1.53	4.35	-30	22	2	-30	21.2	4.32	31.8	-32	20	8	21.5

Regressor: Pa

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
5	6009	0.00E+00	47.5	5.37	-16	-64	50	1.35	-59.5	53.1	245	10	-68	64	101
4	1157	1.81E-15	14.7	5.07	12	-92	-22	23.1	-80.7	-22.8	257	20	-90	-22	95.4
3	381	6.56E-07	6.18	5.03	36	-48	-54	36	-45	-50.1	81.7	36	-48	-54	49.9
2	159	1.85E-03	2.73	4.18	-28	-64	-28	-28.9	-64.3	-27.2	64.8	-26	-74	-22	47.9
1	132	5.97E-03	2.22	4.51	28	-4	52	27.3	-4.6	52.5	79.4	30	-6	58	56.1

Regressor: Pall[A > nA]

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
1	212	2.18E-04	3.66	3.88	30	-44	40	38.3	-42.4	44	100	48	-44	60	50.9

fMRI Decision Model 2

Regressor: Pall(tau_i=0)

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
2	875	3.02E-13	12.5	4.19	14	-66	58	-9.16	-62.8	55.9	125	-38	-56	58	63.9
1	188	3.72E-04	3.43	4.19	32	-44	42	36	-43.4	43.6	91.7	44	-48	60	44

Regressor: Pall(tau_i=1)

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
10	4389	1.69E-38	37.8	5.66	-54	-20	42	-27.9	-11.7	52.7	123	-46	-40	60	41
9	2880	7.49E-29	28.1	5.37	26	-48	-20	10.2	-74.1	-4.37	94.7	2	-88	0	38.8
8	697	1.17E-10	9.93	5.25	-16	-70	52	-18.1	-67.7	49	94.8	-16	-74	56	45.4
7	537	8.17E-09	8.09	5.87	-44	-66	-18	-43.5	-61.2	-18.4	74.6	-46	-70	-20	39.1
6	427	1.79E-07	6.75	4.9	-14	14	0	-18.1	10.7	0.875	25.9	-16	12	0	18.2
5	374	9.54E-07	6.02	4.68	14	16	2	18	11.9	2.72	24.9	20	10	-8	18
4	248	6.61E-05	4.18	4.14	-40	36	26	-38.7	37.1	23	41.1	-42	40	14	28
3	209	2.79E-04	3.55	4.61	52	-76	4	48.6	-79.6	-0.197	49.8	42	-88	-10	32
2	122	1.01E-02	2	4.82	-44	-2	6	-43	-0.926	8.51	33.7	-44	-2	8	22.1
1	89	4.80E-02	1.32	4.14	32	42	22	33.7	43.6	23.5	33.3	32	42	26	26.1

fMRI Feedback Model

Regressor: Win

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
10	4265	1.25E-37	36.9	5.5	-4	16	42	-24.5	-9.38	52.9	109	-46	-40	60	39.6
9	3327	9.47E-32	31	5.18	26	-46	-20	7.77	-76	-1.6	94.5	2	-88	0	37.3
8	482	5.96E-08	7.22	4.69	16	16	0	21.3	13.3	3.36	31.1	34	20	8	19.4
7	422	2.38E-07	6.62	5.05	-20	12	0	-17.6	12.1	1.49	28.8	-18	12	0	19.6
6	413	2.98E-07	6.53	5.62	-44	-66	-18	-43	-61.4	-16.4	67.3	-46	-70	-20	38.2
5	232	1.23E-04	3.91	4.1	-38	36	18	-38.6	37	21.9	42.4	-42	40	14	28.9
4	159	2.09E-03	2.68	4.5	52	-76	4	51.7	-75	3.9	43.9	48	-80	8	29.6
3	98	3.15E-02	1.5	4.58	-44	-2	6	-42.2	-1.39	9.29	33.2	-44	-2	8	22.2
2	93	4.01E-02	1.4	4.97	-8	-22	8	-11.1	-21.3	7.05	23.7	-8	-22	8	16.5
1	90	4.64E-02	1.33	4.45	-16	-70	52	-16.7	-69.7	50.4	68.1	-16	-72	54	44

Regressor: PE_Pall[A]

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
1	337	2.38E-06	5.62	4.3	-8	18	44	-3.15	18.6	43.6	21.9	0	22	46	

Regressor: PE_Pall[nA]

Cluster	Voxels	P	-log10(P)	Z-MAX	Z-MAX X	Z-MAX Y	Z-MAX Z	Z-COG X	Z-COG Y	Z-COG Z	COPE-	COPE-	COPE-	COPE-	COPE-
18	2597	1.20E-25	24.9	4.84	2	20	50	-4.71	14.4	49.9	99.6	-32	-4	70	34.8
17	1960	4.12E-21	20.4	4.38	-54	-22	40	-40.6	-38.9	49.5	126	-48	-40	60	42.6
16	1078	6.89E-14	13.2	5.35	-16	14	-2	-15.1	11.5	1.89	61.2	-6	2	10	25.4
15	967	7.40E-13	12.1	5.46	16	18	10	14.2	8.16	5.07	50.3	8	6	4	22.7
14	465	1.19E-07	6.92	3.99	26	-76	-16	15.8	-77.5	-12	67.4	2	-88	-4	40.4
13	327	8.52E-06	5.07	4.11	26	-54	-24	29.6	-51.9	-26.7	31.7	32	-52	-20	18.4

12	266	6.13E-05	4.21	3.99	-54	6	14	-51.5	9.51	21.5	64.3	-54	18	-4	32.6
11	262	7.00E-05	4.15	4.04	50	-68	0	51	-66.2	-2.78	44.3	52	-66	0	27.6
10	256	8.58E-05	4.07	4.25	-42	54	12	-40.4	49.7	10.2	53	-42	54	12	31.6
9	253	9.50E-05	4.02	4.11	36	-4	52	33.4	-4.22	56.5	75.1	32	0	66	36.2
8	224	2.60E-04	3.58	4.12	-14	-22	8	-10.2	-19.2	6.04	31.1	-2	-12	10	15.4
7	217	3.34E-04	3.48	4.29	58	14	4	54.6	10.5	14.8	48.7	60	14	2	27.9
6	134	8.21E-03	2.09	4.2	30	-38	42	35.9	-41.7	52.8	58.6	44	-40	62	33.5
5	133	8.57E-03	2.07	4.04	-32	-66	-24	-32.3	-57	-25.2	34.8	-34	-68	-22	22.6
4	116	1.78E-02	1.75	3.96	2	-58	-26	3.12	-61	-29.2	20.5	4	-68	-38	15.7
3	110	2.31E-02	1.64	4.07	30	-76	-50	21.4	-75.5	-49.4	28.9	30	-76	-50	23.3
2	107	2.64E-02	1.58	3.77	10	-104	4	16	-101	2.83	56.9	12	-102	0	39.5
1	95	4.56E-02	1.34	4.09	40	50	14	41.8	48.3	16.5	37.7	42	52	12	28.5

fMRI Feedback PPI seed IPS

Regressor: PPI [A > nA]

10	4265	1.25E-37	36.9	5.5	-4	16	42	-24.5	-9.38	52.9	109	-46	-40	60	39.6
9	3327	9.47E-32	31	5.18	26	-46	-20	7.77	-76	-1.6	94.5	2	-88	0	37.3
8	482	5.96E-08	7.22	4.69	16	16	0	21.3	13.3	3.36	31.1	34	20	8	19.4
7	422	2.38E-07	6.62	5.05	-20	12	0	-17.6	12.1	1.49	28.8	-18	12	0	19.6
6	413	2.98E-07	6.53	5.62	-44	-66	-18	-43	-61.4	-16.4	67.3	-46	-70	-20	38.2
5	232	1.23E-04	3.91	4.1	-38	36	18	-38.6	37	21.9	42.4	-42	40	14	28.9
4	159	2.09E-03	2.68	4.5	52	-76	4	51.7	-75	3.9	43.9	48	-80	8	29.6
3	98	3.15E-02	1.5	4.58	-44	-2	6	-42.2	-1.39	9.29	33.2	-44	-2	8	22.2
2	93	4.01E-02	1.4	4.97	-8	-22	8	-11.1	-21.3	7.05	23.7	-8	-22	8	16.5
1	90	4.64E-02	1.33	4.45	-16	-70	52	-16.7	-69.7	50.4	68.1	-16	-72	54	44