

Appendix A. Unthresholded maps

Statistical maps are available at
<https://neurovault.org/collections/BXCZVBR5/>

Appendix B. Correlation matrices

Regressors' correlation matrices for the models in Analysis 1 and 2 are reported below:

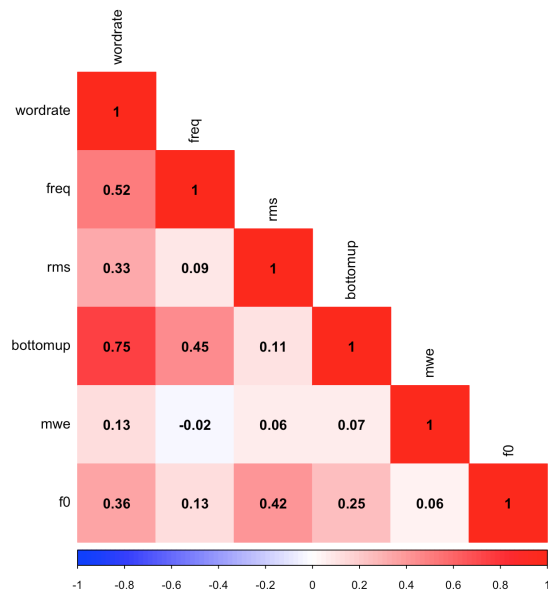


Figure B1. Correlation matrix (Pearson's r) of the convolved regressors included in the GLM model reported in Analysis 1.

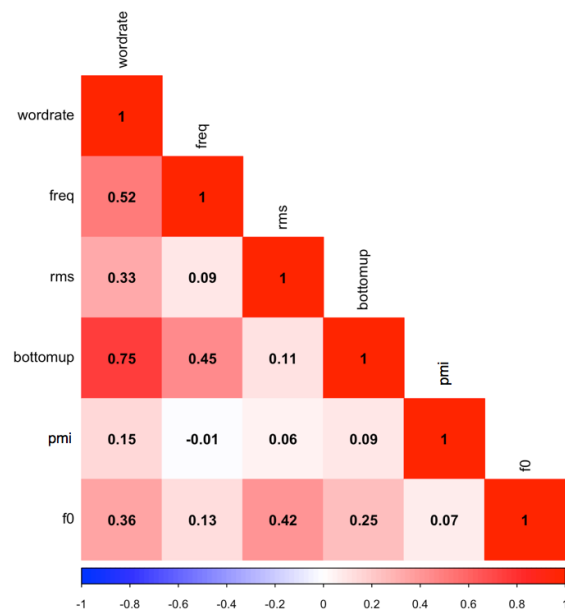


Figure B2. Correlation matrix (Pearson's r) of the convolved regressors included in the GLM model reported in Analysis 2.

Appendix C. Full cluster list for bottom-up parsing regressor

Significant clusters for Bottom-up parser action count (abbreviated table provided in §5.1):

Regions for Bottom-up Parser Action Count	Cluster size (in voxels)	MNI Coordinates			p-value (corrected)	T-score (peak level)
		x	y	z		
R Anterior Temporal	4816	52	6	-20	0.000	13.20
R Middle Temporal Gyrus		50	-20	-10	0.000	11.31
R Supramarginal Gyrus/Superior Temporal Gyrus		60	-40	-10	0.000	10.11
L IFG Orbitalis/Triangularis (BA47) & Anterior Insula	2461	-36	18	-14	0.000	10.40
L Temporal Pole		-50	6	-26	0.000	8.30
L Putamen		-30	8	-4	0.000	6.99
R Supplementary Motor Area/Superior Frontal Gyrus (BA9)	6495	10	18	62	0.000	9.35
R Medial Superior Frontal Gyrus (BA9)		12	58	32	0.000	8.62
L Superior Frontal Gyrus		-8	18	66	0.000	8.24
L Cerebellum – Crus I/II	448	-24	-74	-30	0.000	8.96
R Cerebellum – Crus I/II	941	26	-74	-36	0.000	8.15
R Cerebellum		36	-60	-32	0.021	5.16
L Middle Occipital Gyrus/Fusiform Gyrus	1084	-34	-78	12	0.000	7.59
L Fusiform Gyrus/Temporal Occipital Cortex		-30	-58	-10	0.000	7.19
L Occipital Fusiform Gyrus		-28	-70	-14	0.010	5.85
R Precentral Gyrus	159	42	0	48	0.000	7.57
L Supramarginal Gyrus/Parietal Lobe (BA40)	665	-54	-56	30	0.000	7.35
L Parietal Lobe		-48	-66	50	0.032	5.45
L Supramarginal Gyrus		-52	-58	50	0.036	5.41
R Temporal Occipital Cortex/Fusiform Gyrus (BA19)	164	30	-50	-10	0.001	6.75
L IFG Orbitalis/Frontal Pole (BA11)	252	-44	46	-12	0.001	6.61
L Frontal Pole		-36	60	-6	0.013	5.75
L Middle Frontal Gyrus (BA9)	252	-42	24	44	0.001	6.49
L Precuneus	154	-10	-52	38	0.003	6.25
R Middle Occipital Gyrus	160	28	-72	22	0.003	6.19
L Caudate	54	-14	16	10	0.005	6.07
R/L Anterior Cingulate Gyrus (BA24)	49	0	22	22	0.011	5.82
L Cerebellum	21	-6	-58	-40	0.018	5.64
L Superior Parietal Lobule (BA7)	5	-32	-58	62	0.024	5.54
R Lateral Occipital Cortex (BA19)	12	40	-64	-8	0.027	5.51
R Cerebellum – Vermis 4-5	6	4	-48	-8	0.038	5.39
R Putamen	3	32	-8	-6	0.041	5.37