SUPPLEMENTARY MATERIALS

Informing Cognitive Abstractions through Neuroimaging: The Neural Drift Diffusion Model

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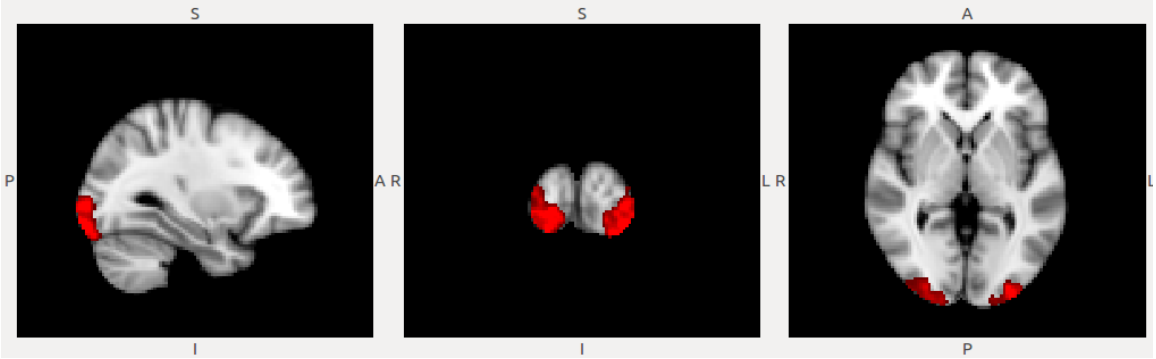

Figure 1. ROI 1: calcarine with MNI coordinates (-30,-95,0) and (18,-96,-5).

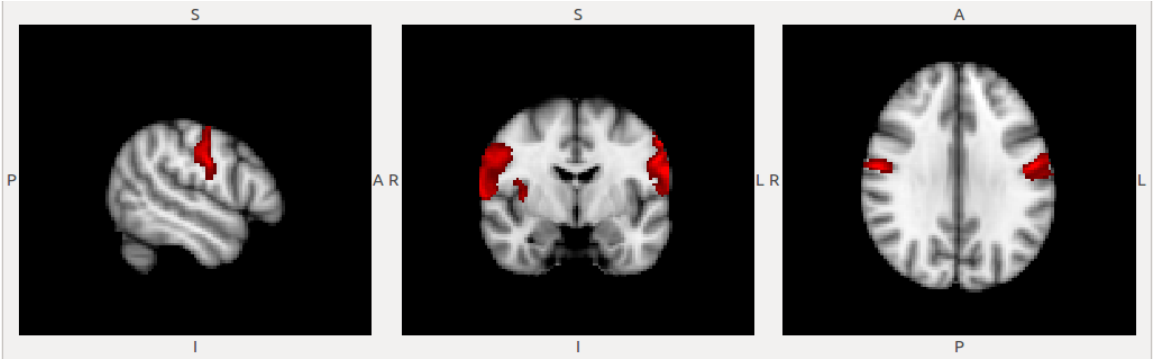

Figure 2. ROI 2: precentral gyrus with MNI coordinates (-17, -68, -21) and (17, -65, -21).

The purpose of the supplementary materials is to show the exact region of interest (ROI) extracted from our analysis corresponding to the main text. Table 1 provides the ROI number, figure number, description of the ROI, as well as the MNI coordinates for each ROI.

Table 1: ROI locations, figure numbers, descriptions, and MNI coordinates; *vmOFC = ventromedial orbitofrontal cortex; IPS = intraparietal sulcus; IFG = inferior frontal gyrus; SMA = supplementary motor cortex

ROI	Figure	Description	MNI Coordinates x, y, z
1	1	Calcarine	-30,-95,0; 18,-96,-5
2	2	Precentral Gyrus	-17,-68,-21; 17,-65,-21
3	3	Calcarine	3,-93,-9
5	4	vmOFC*	1,39,-12
6	5	Putamen	-22,14,-3; 24,8,-3
8	6	Cerebellum	-27,-68,-22; 23,-77,-22
9	7	Caudate	-8,15,4; 9,15,2
14	8	Thalamus/dorsal striatum	-5,-27,-3; 5,-27,-4
20	9	Postcentral gyrus	41,-25,54
22	10	Medial temporal gyrus	59,-45,19
23	11	Pre/Postcentral gyrus	-39,-17,62
24	12	vmOFC*/Precuneus	-1,53,-3; -1,-59,34
26	13	Paracentral gyrus	0,-29,67
27	14	Cerebellum	-20,-50,-15; 23,-50,-18
28	15	Fusiform gyrus	33,-38,-16
29	16	Inferior temporal gyrus	-55,-50,-17; 52,-57,-17
30	17	Thalamus	0,-15,9
31	18	Precuneus	4,-59,59
32	19	IFG pars triangularis	-54,20,10
33	20	Precuneus	4,-59,59
38	21	posterior IPS*	43,-46,46
39	22	Middle frontal gyrus	-47,26,24; 55,20,25
41	23	Cingulate gyrus	2,36,20
46	24	Parahippocampus	-27,-7,-26; 26,-7,-26
47	25	Superior frontomedian cortex	4,42,39
48	26	mid occipital gyrus	-28,-83,23; 31,-83,25
51	27	Cingulate sulcus	0,-1,47
52	28	anterior Insula	38,22,-10
53	29	Frontopolar	47,46,4
54	30	pre-SMA/SMA*	2,4,69
55	31	Precuneus	2,-38,35
56	32	Precuneus	4,-35,45
58	33	Superior temporal gyrus	51,-2,-3
59	34	Frontopolar	40, 48, -2.

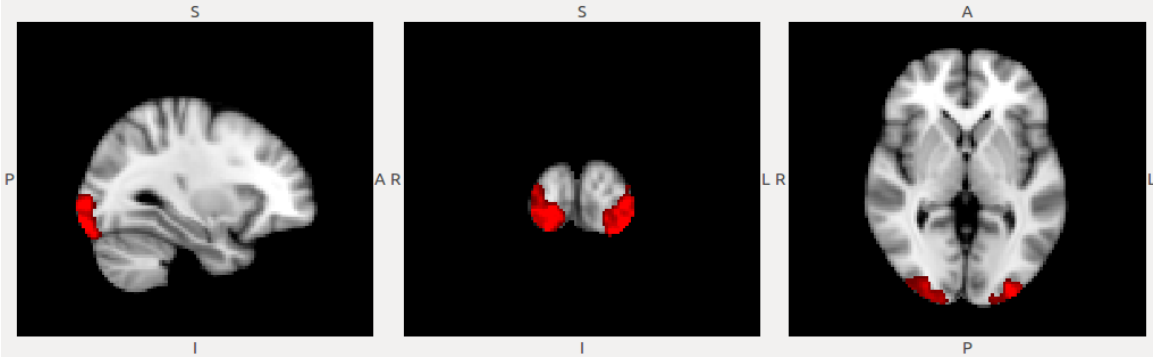

Figure 3. ROI 3: calcarine with MNI coordinates (3, -93, -9).

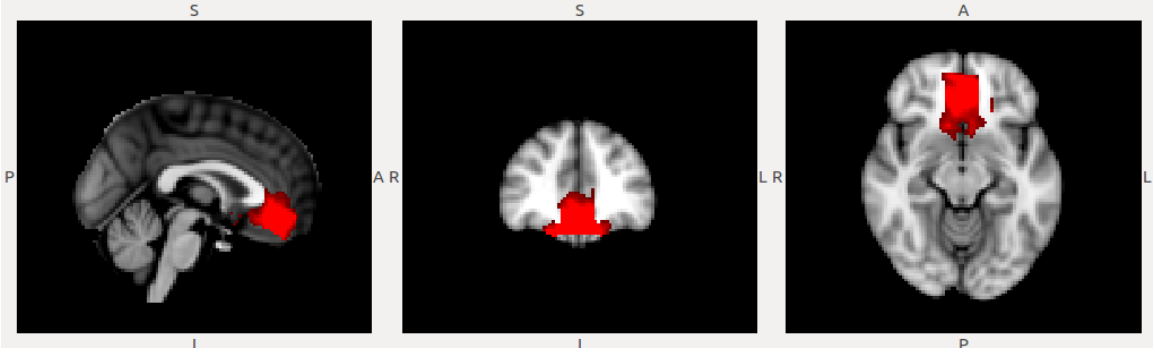

Figure 4. ROI 5: ventromedial orbitofrontal cortex with MNI coordinates (1,39,-12).

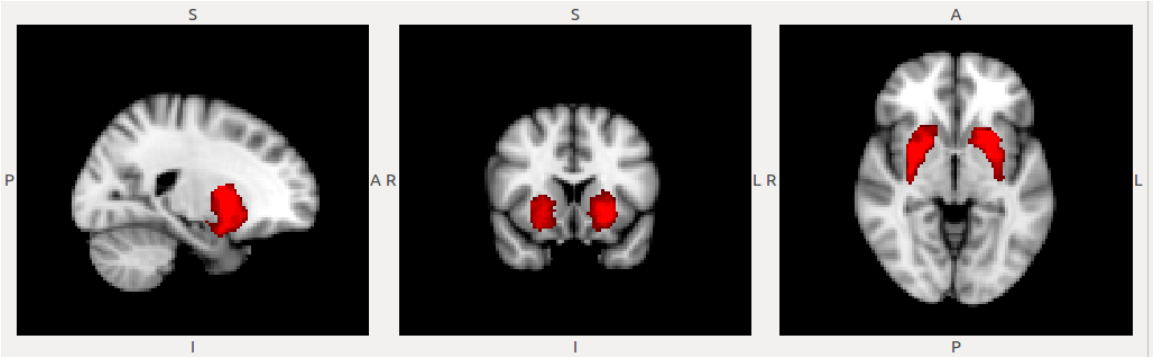

Figure 5. ROI 6: putamen with MNI coordinates (-22,14,-3) and (24,8,-3).

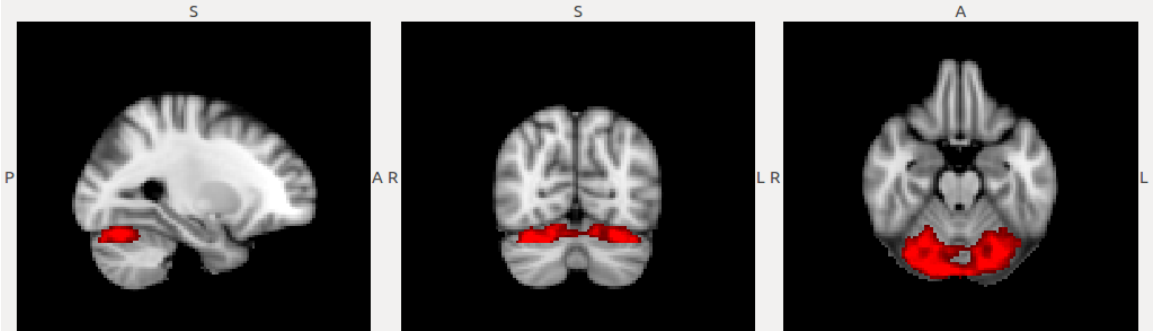

Figure 6. ROI 8: the cerebellum with MNI coordinates (-27,-68,-22) and (23,-77,-22).

Figure 7. ROI 9: the caudate with MNI coordinates (-8, 15, 4) and (9, 15, 2).

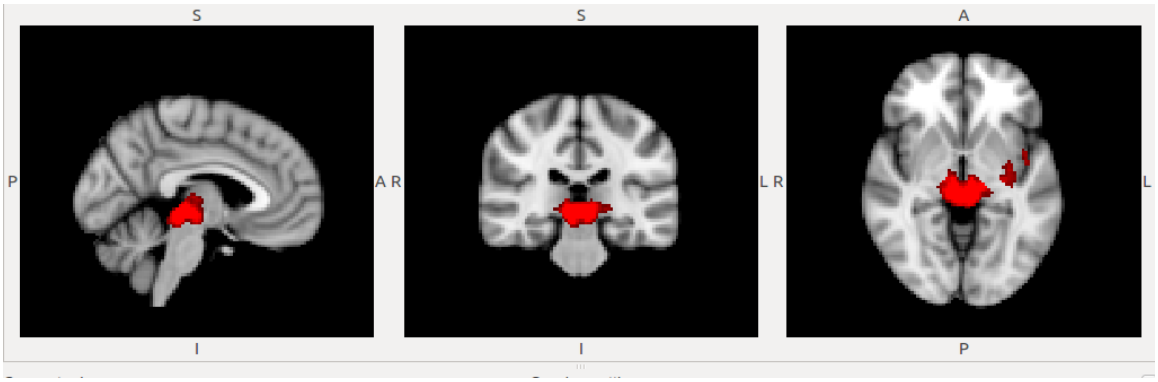

Figure 8. ROI 14: the thalamus and dorsal striatum with MNI coordinates (-5,-27,-3) and (5,-27,-4).

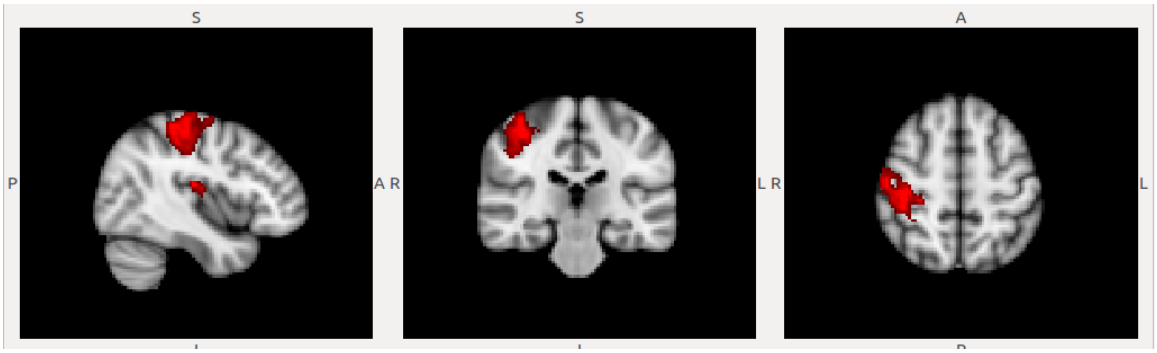

Figure 9. ROI 20: the postcentral gyrus with MNI coordinates (41,-25,54).

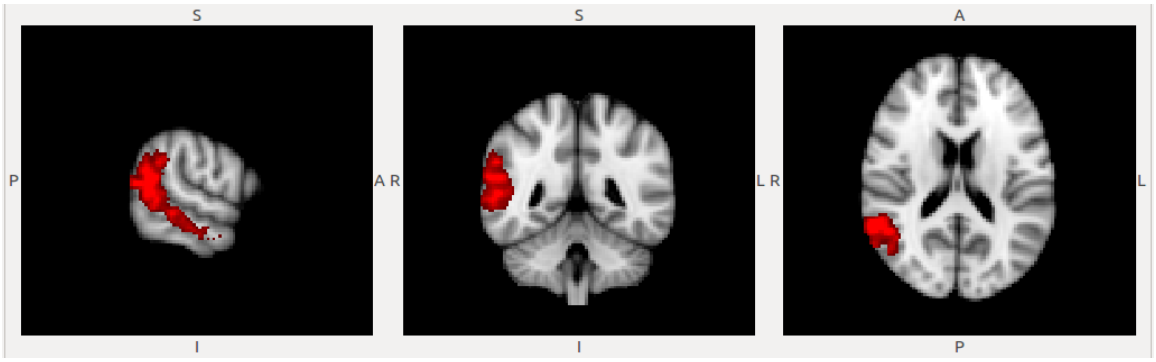

Figure 10. ROI 22: the medial temporal gyrus with MNI coordinates (59,-45,19).

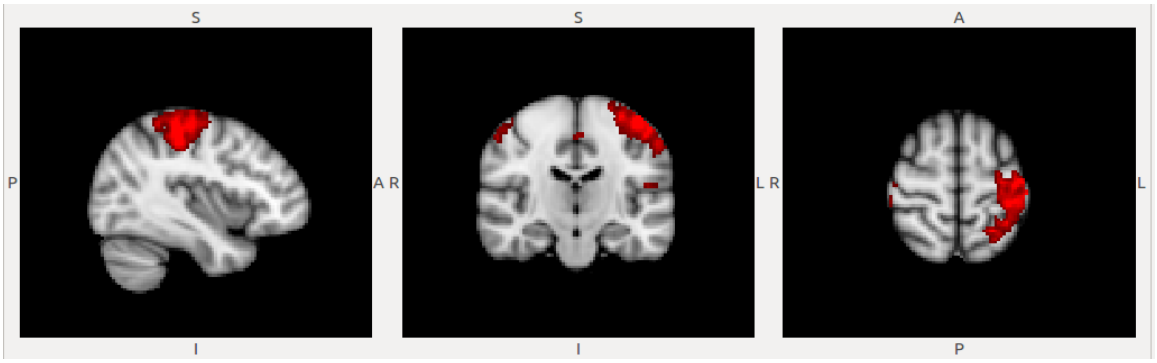

Figure 11. ROI 23: the pre- and postcentral gyrus with MNI coordinates (-39,-17,62).

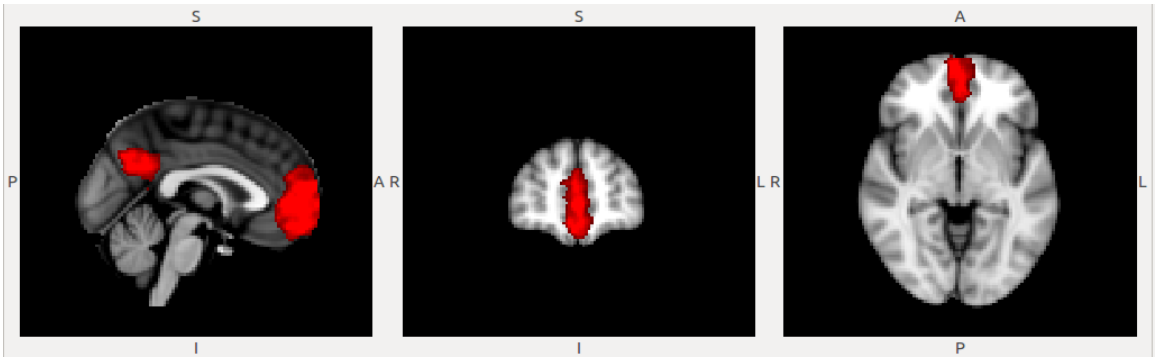

Figure 12. ROI 24: the ventromedial orbitofrontal cortex and precuneus with MNI coordinates (-1,53,-3) and (-1,-59,34).

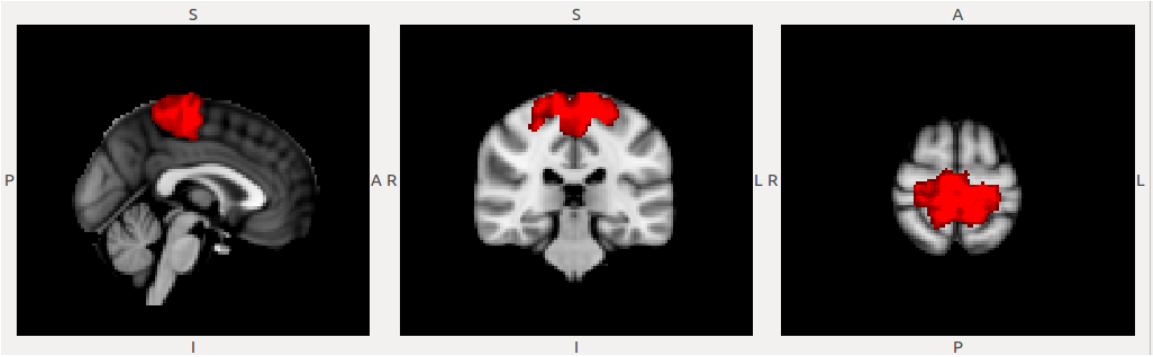

Figure 13. ROI 26: the paracentral gyrus with MNI coordinates (0,-29,67).

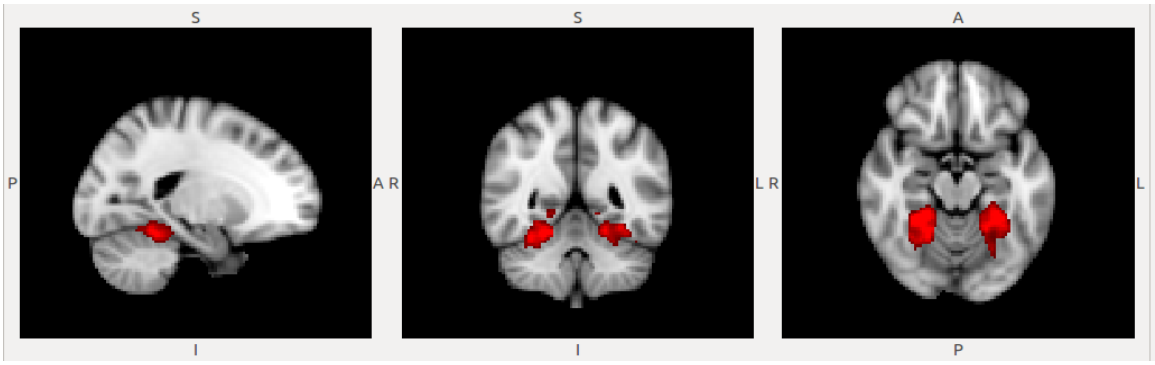

Figure 14. ROI 27: the cerebellum with MNI coordinates (-20,-50,-15) and (23, -50, -18).

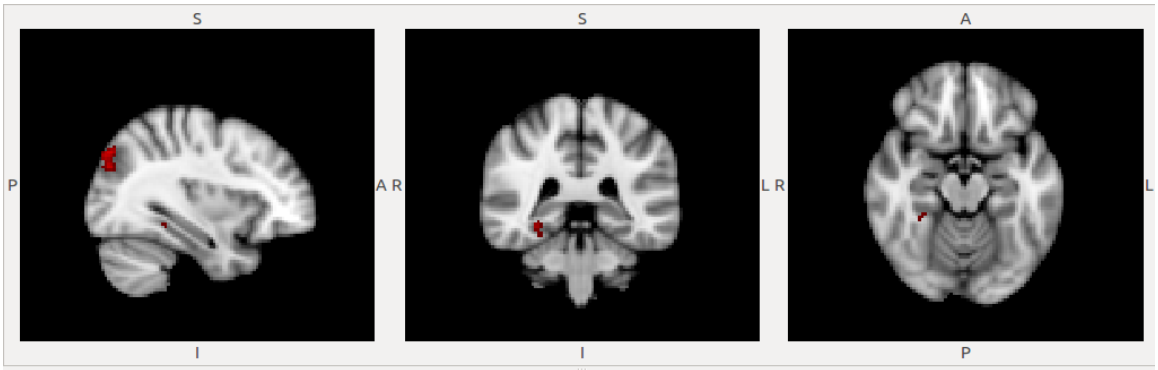

Figure 15. ROI 28: the fusiform gyrus with MNI coordinates (33,-38,-16).

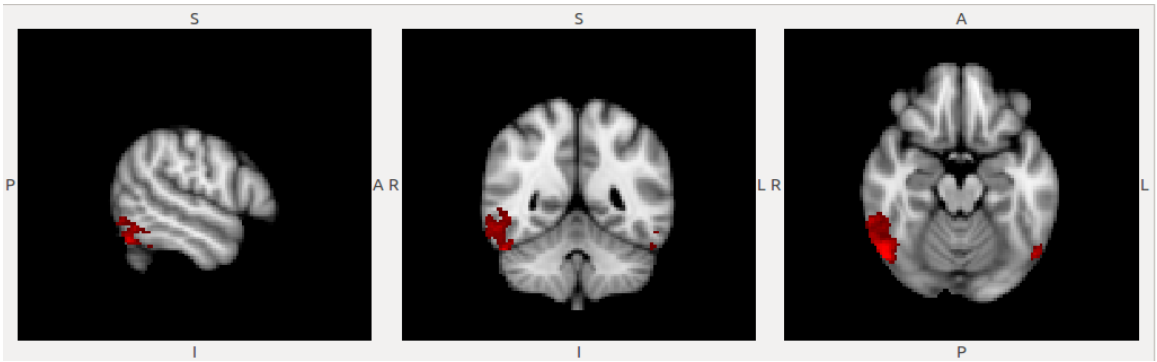

Figure 16. ROI 29: inferior temporal gyrus with MNI coordinates (-55,-50,-17) and (52,-57,-17).

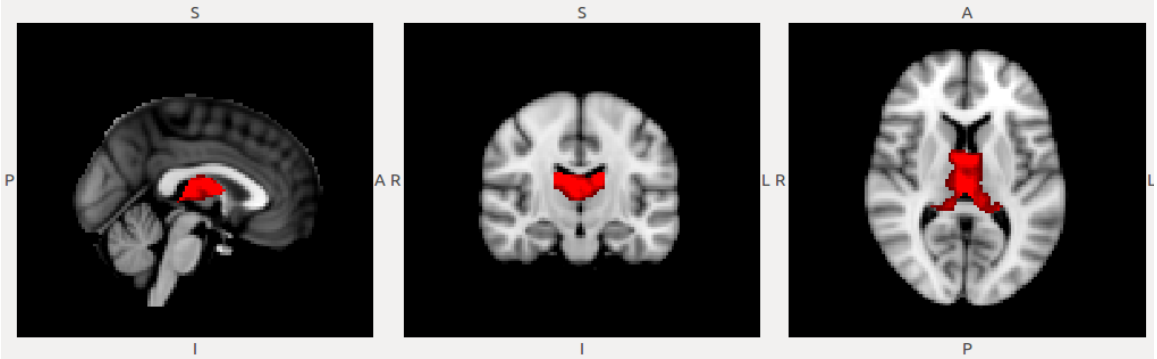

Figure 17. ROI 30: the thalamus with MNI coordinates (0,-15,9).

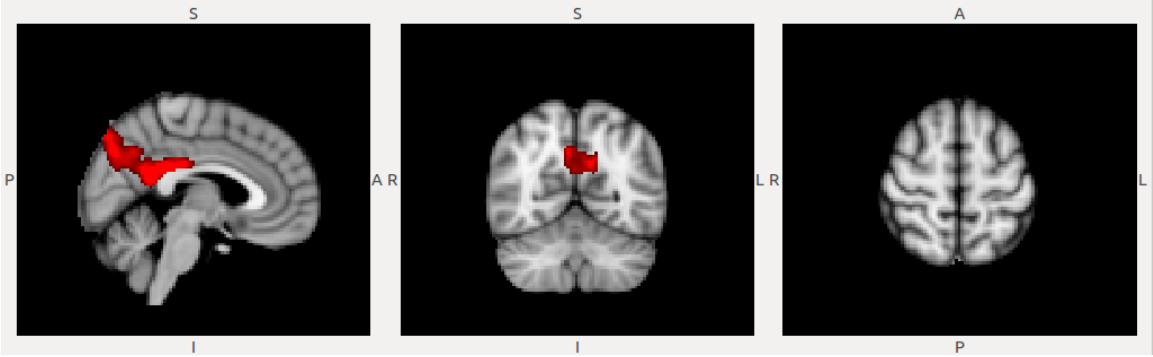

Figure 18. ROI 31: the precuneus with MNI coordinates (4,-59,59).

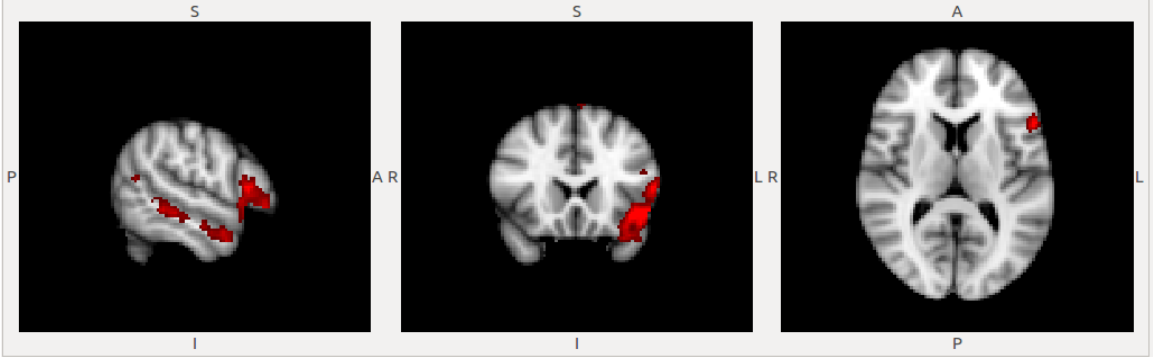

Figure 19. ROI 32: the inferior frontal gyrus pars triangularis with MNI coordinates (-54,20,10).

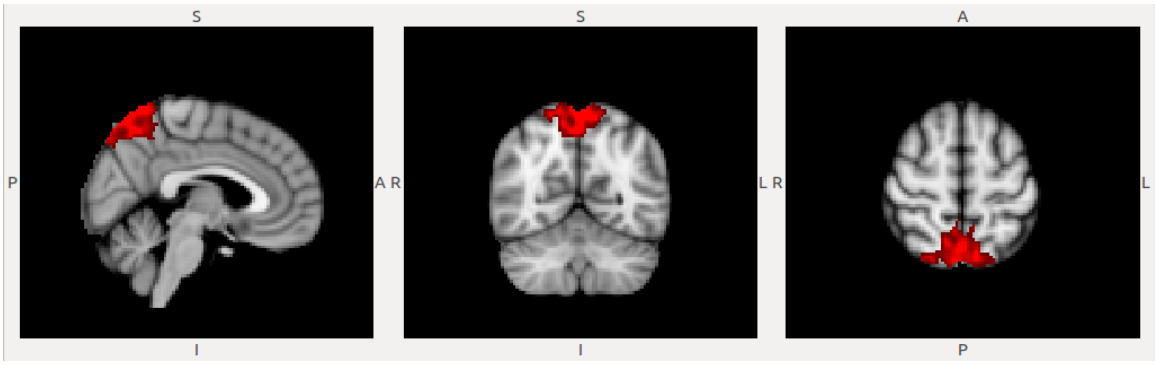

Figure 20. ROI 33: the precuneus with MNI coordinates (4,-59,59).

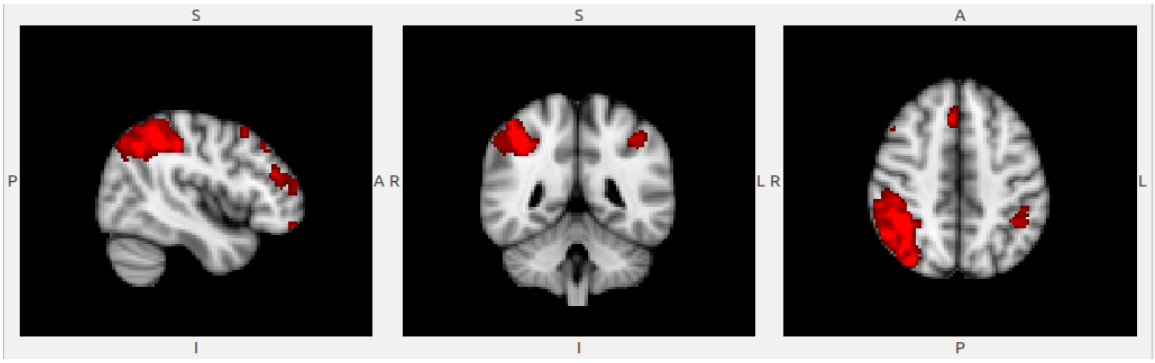

Figure 21. ROI 38: the posterior intraparietal sulcus with MNI coordinates (43,-46,46).

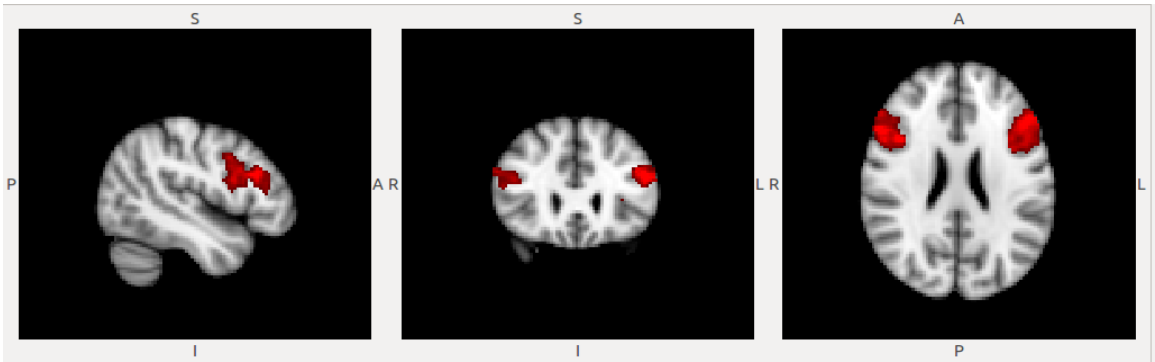

Figure 22. ROI 39: the middle frontal gyrus with MNI coordinates (-47,26,24) and (55,20,25).

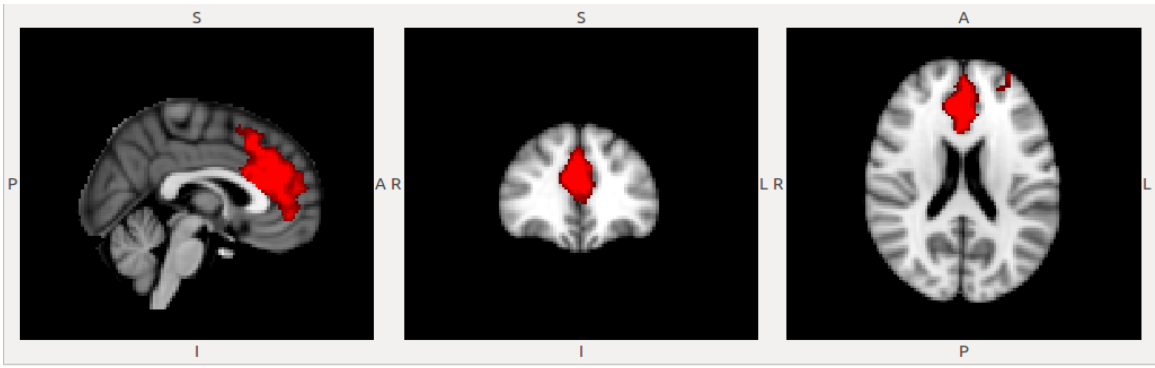

Figure 23. ROI 41: the cingulate gyrus with MNI coordinates (2,36,20).

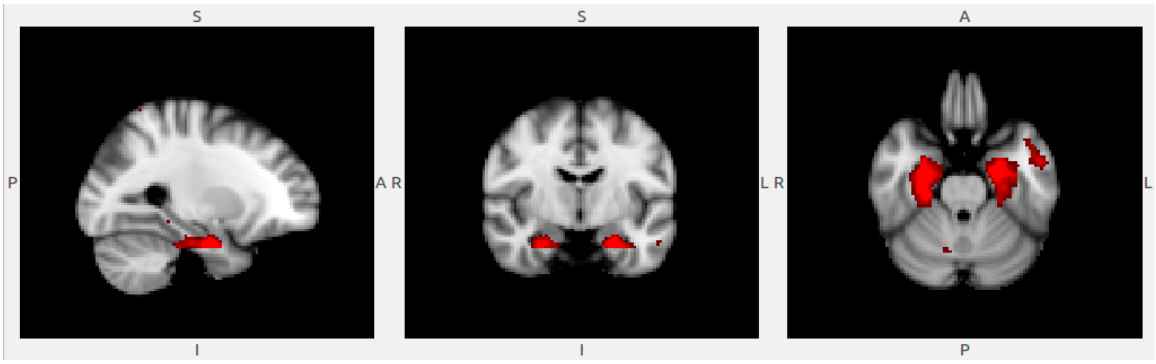

Figure 24. ROI 46: the parahippocampus with MNI coordinates (-27,-7,-26) and (26,-7,-26).

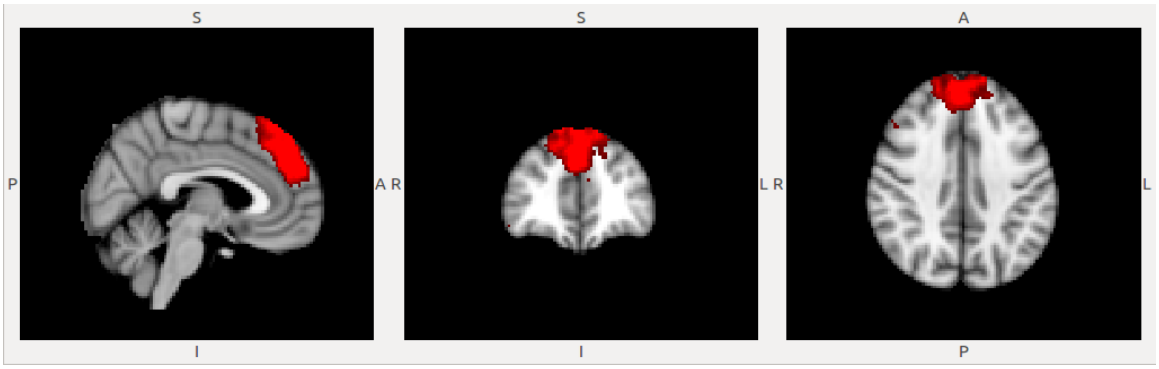

Figure 25. ROI 47: the superior frontomedian cortex with MNI coordinates (4,42,39).

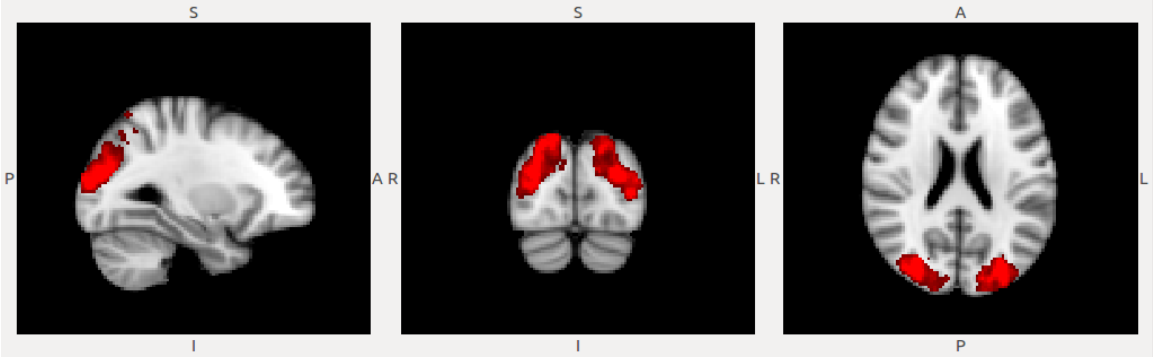

Figure 26. ROI 48: the mid occipital gyrus with MNI coordinates (-28,-83,23) and (31,-83,25).

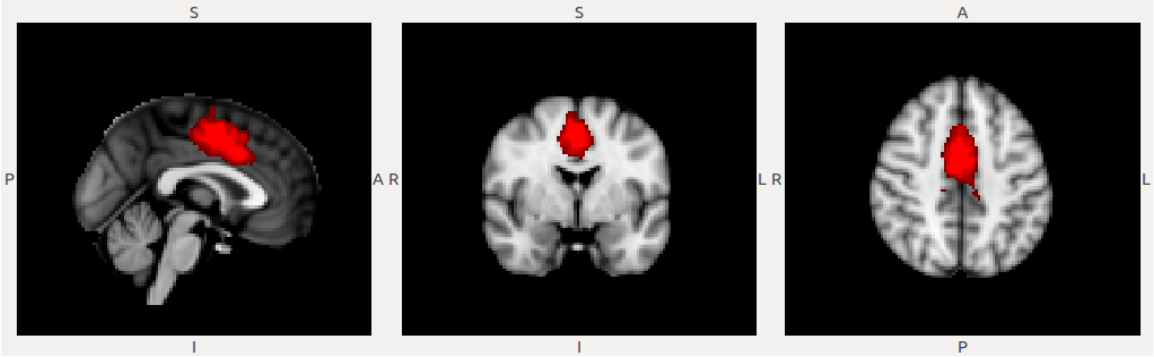

Figure 27. ROI 51: the cingulate sulcus with MNI coordinates (0,-1,47).

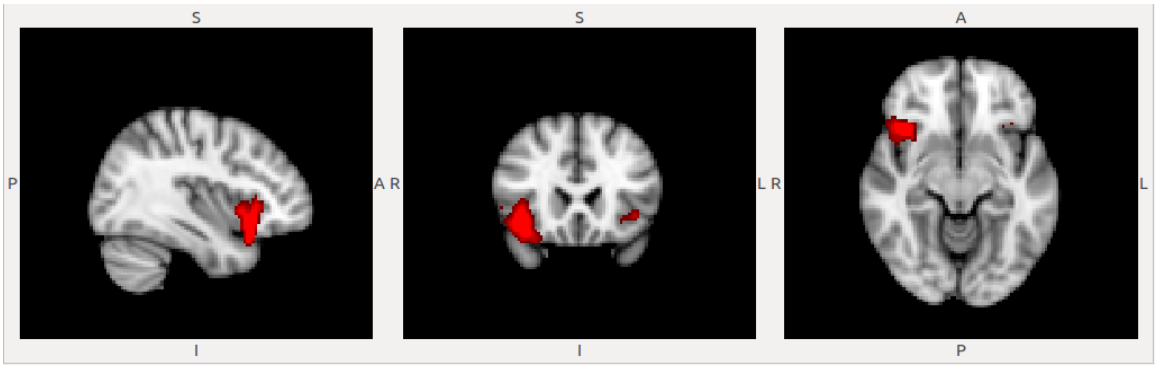

Figure 28. ROI 52: the anterior insula with MNI coordinates (38,22,-10).

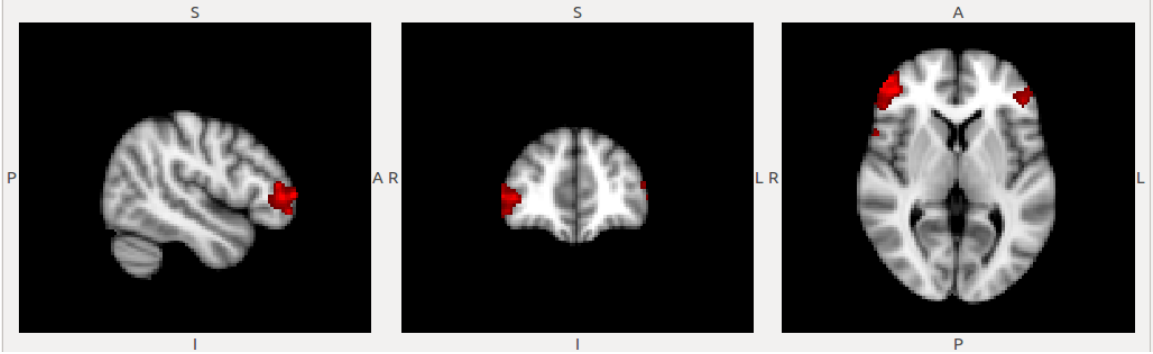

Figure 29. ROI 53: a frontopolar region with MNI coordinates (47,46,4).

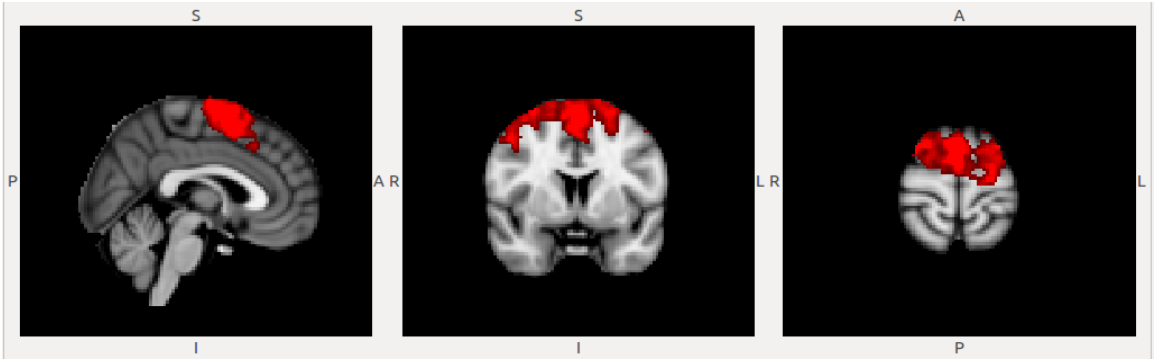

Figure 30. ROI 54: the presupplementary motor area and the supplementary motor area with MNI coordinates (2,4,69).

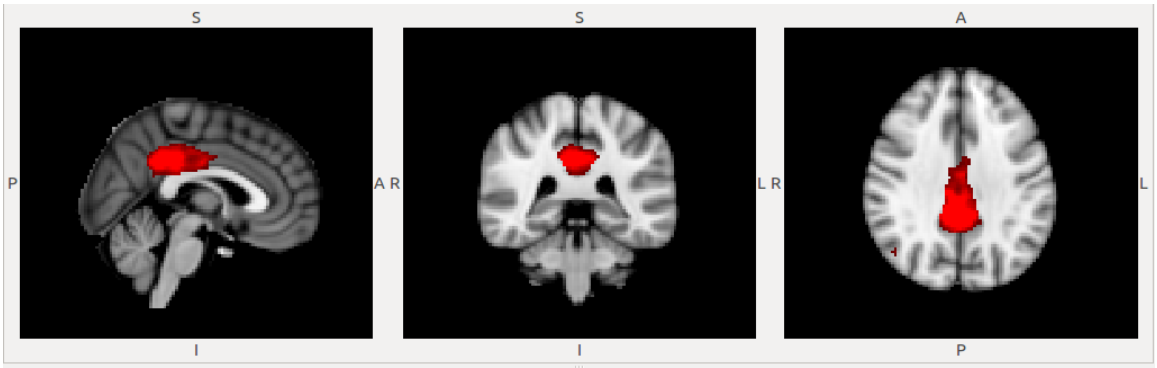

Figure 31. ROI 55: the precuneus with MNI coordinates (2,-38,35).

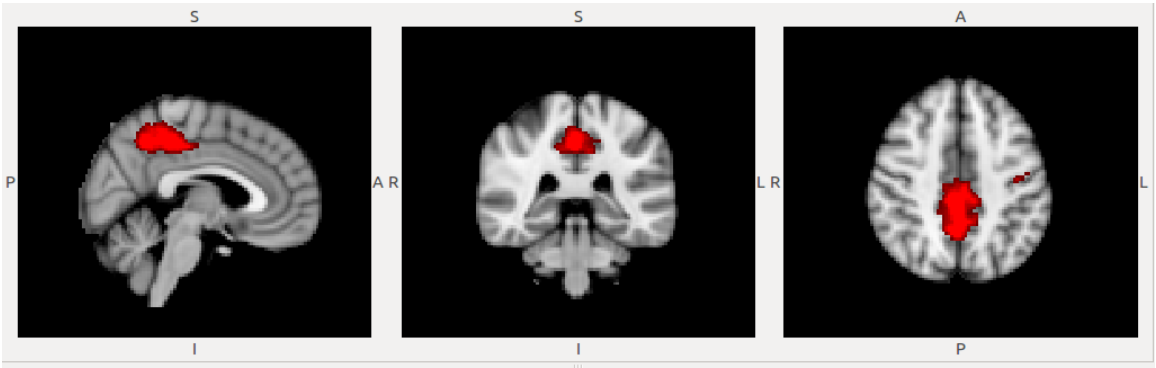

Figure 32. ROI 56: the precuneus with MNI coordinates (4,-35,45).

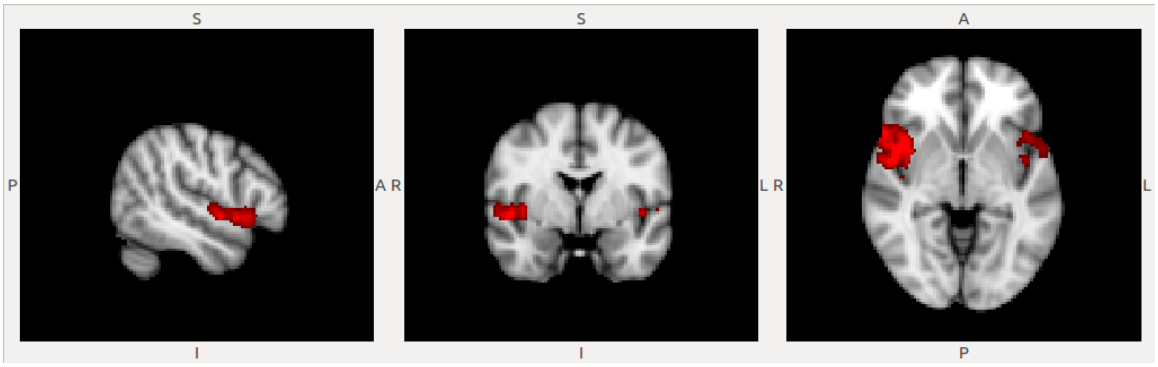

Figure 33. ROI 58: the superior temporal gyrus with MNI coordinates (51,-2,-3).

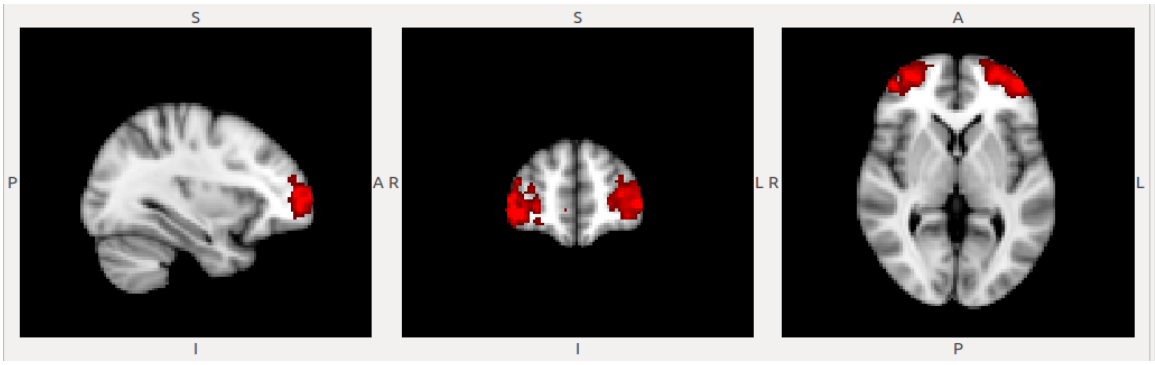

Figure 34. ROI 59: a frontopolar region with MNI coordinates (40,48,-2).