













# FS\_T1\_PIPELINE

OUTPUT STATS VISUALIZATION

# OUTPUT - SUMMARY STATISTICS













Summary Statistics:

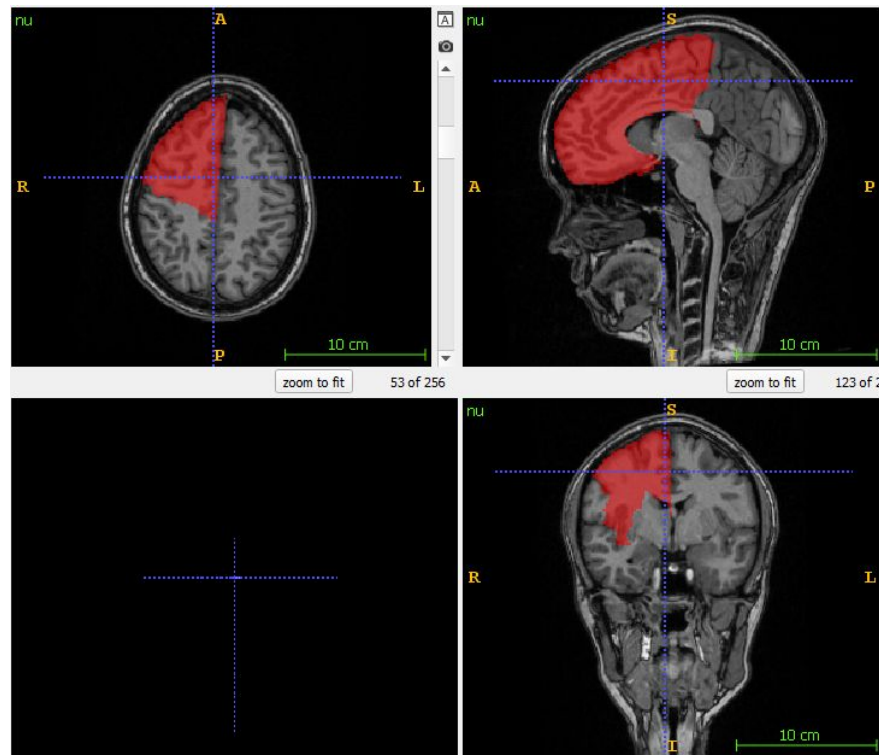
../<subject\_output>/stats

Name	Size	
 ALL_stats_DK	14 KB	:
 ALL_stats_lobes	2 KB	:
 Global_stats_DK	13 KB	:
 Global_stats_lobes	2 KB	:
 GM_stats_lobes	1 KB	:
 WM_stats_lobes	2 KB	:
 BrainMask.nii	150 KB	:
 CerebrumMask.nii	168 KB	:
 GrayMatterMask.nii	289 KB	:
 LabelMask_DK.nii	415 KB	:
 LabelMask_lobes.nii	203 KB	:
 WhiteMatterMask.nii	212 KB	:

# OUTPUT - SUMMARY STATISTICS

ALL\_stats\_lobes.csv













Name	1	Region	mean
 ALL_stats_DK	2	ALL_Frontal_rh	76.3290
 ALL_stats_lobes	3	ALL_Parietal_rh	77.7531
 Global_stats_DK	4	ALL_Temporal_rh	76.5653
 Global_stats_lobes	5	ALL_Occipital_rh	75.7806
 GM_stats_lobes	6	ALL_Frontal_lh	76.2840
 WM_stats_lobes	7	ALL_Parietal_lh	77.7312
 BrainMask.nii	8	ALL_Temporal_lh	76.5004
 CerebrumMask.nii	9	ALL_Occipital_lh	74.9951
 GrayMatterMask.nii	10	ALL_Cerebellum_lh	73.6635
 LabelMask_DK.nii	11	ALL_Sub-cortical_lh	89.0374
 LabelMask_lobes.nii	12	ALL_Brainstem_lh	84.7525
 WhiteMatterMask.nii	13	ALL_Cerebellum_rh	73.0872
	14	ALL_Sub-cortical_rh	88.7576
	15	ALL_Brainstem_rh	84.8450
	16	ALL_Cerebrum	76.5665
	17	ALL_Brain	76.4400



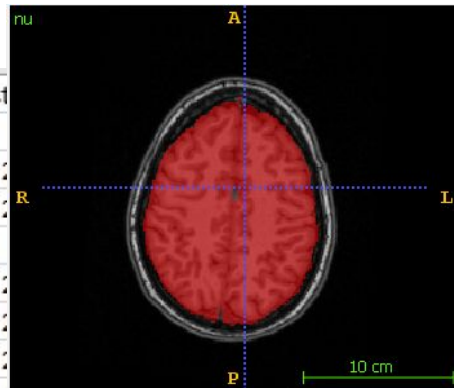
# OUTPUT - SUMMARY STATISTICS

ALL\_stats\_lobes.csv

Name

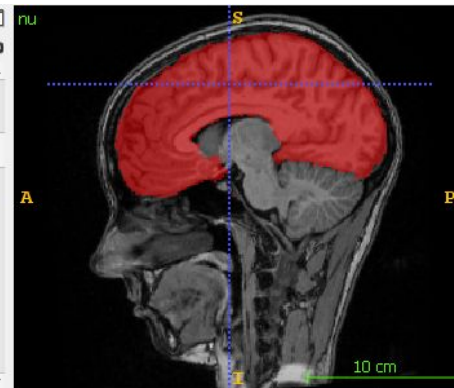
 ALL\_stats\_DK  
 ALL\_stats\_lobes  
 Global\_stats\_DK  
 Global\_stats\_lobes  
 GM\_stats\_lobes  
 WM\_stats\_lobes  
 BrainMask.nii  
 CerebrumMask.nii  
 GrayMatterMask.nii  
 LabelMask\_DK.nii  
 LabelMask\_lobes.nii  
 WhiteMatterMask.nii

1	Region	mean	st
2	ALL_Frontal_rh	76.32904	
3	ALL_Parietal_rh	77.75319	
4	ALL_Temporal_rh	76.56531	
5	ALL_Occipital_rh	75.78069	
6	ALL_Frontal_lh	76.28408	
7	ALL_Parietal_lh	77.73128	
8	ALL_Temporal_lh	76.50047	
9	ALL_Occipital_lh	74.9998	
10	ALL_Cerebellum_lh	73.66398	
11	ALL_Sub-cortical_lh	89.03743	
12	ALL_Brainstem_lh	84.75259	
13	ALL_Cerebellum_rh	73.08721	
14	ALL_Sub-cortical_rh	88.75763	
15	ALL_Brainstem_rh	84.84508	
16	ALL_Cerebrum	76.56651	
17	ALL_Brain	76.4402	



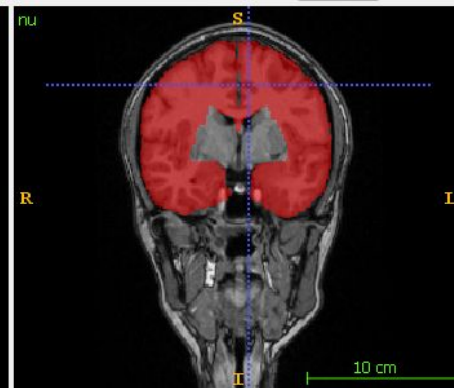
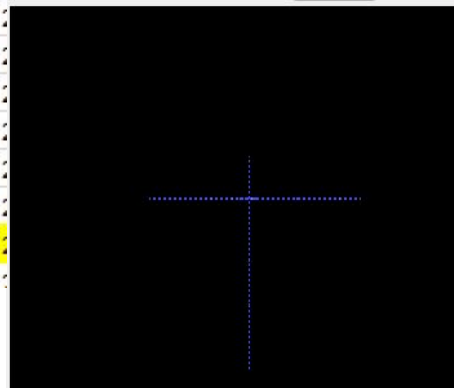
zoom to fit

53 of 256















zoom to fit

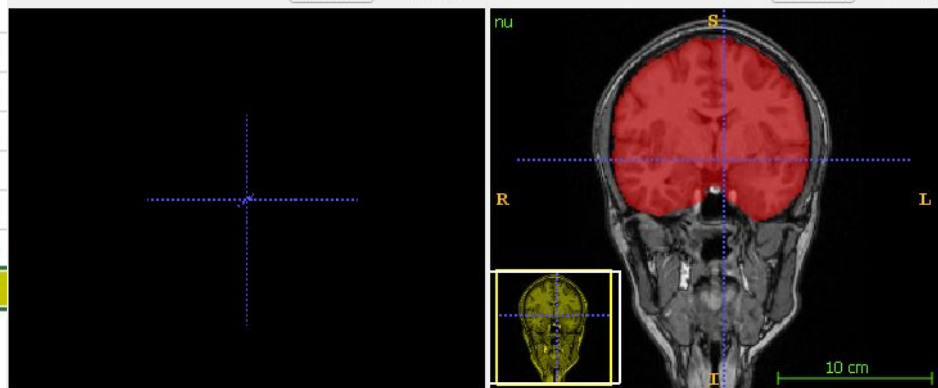
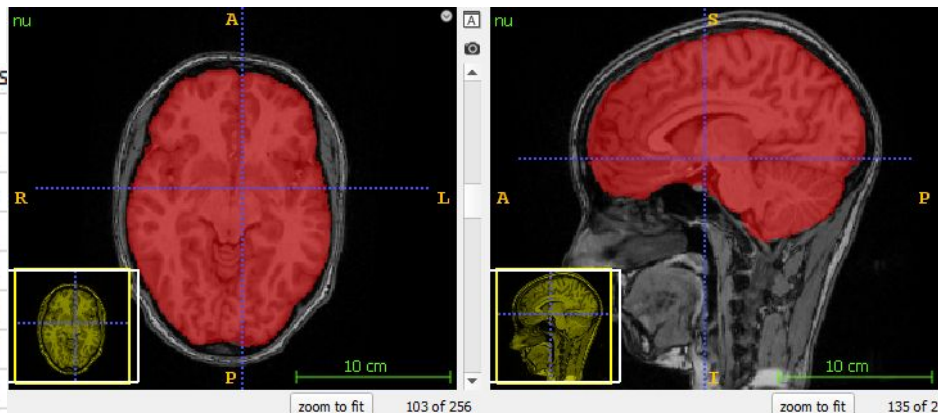
135 of 256



# OUTPUT - SUMMARY STATISTICS

ALL\_stats\_lobes.csv

Name	1	Region	mean	S
 ALL_stats_DK	2	ALL_Frontal_rh	76.32904	
 ALL_stats_lobes	3	ALL_Parietal_rh	77.75319	
 Global_stats_DK	4	ALL_Temporal_rh	76.56531	
 Global_stats_lobes	5	ALL_Occipital_rh	75.78069	
 GM_stats_lobes	6	ALL_Frontal_lh	76.28408	
 WM_stats_lobes	7	ALL_Parietal_lh	77.73128	
 BrainMask.nii	8	ALL_Temporal_lh	76.50047	
 CerebrumMask.nii	9	ALL_Occipital_lh	74.9998	
 GrayMatterMask.nii	10	ALL_Cerebellum_lh	73.66398	
 LabelMask_DK.nii	11	ALL_Sub-cortical_lh	89.03743	
 LabelMask_lobes.nii	12	ALL_Brainstem_lh	84.75259	
 WhiteMatterMask.nii	13	ALL_Cerebellum_rh	73.08721	
	14	ALL_Sub-cortical_rh	88.75763	
	15	ALL_Brainstem_rh	84.84508	
	16	ALL_Cerebrum	76.56651	
	17	ALL_Brain	76.4402	





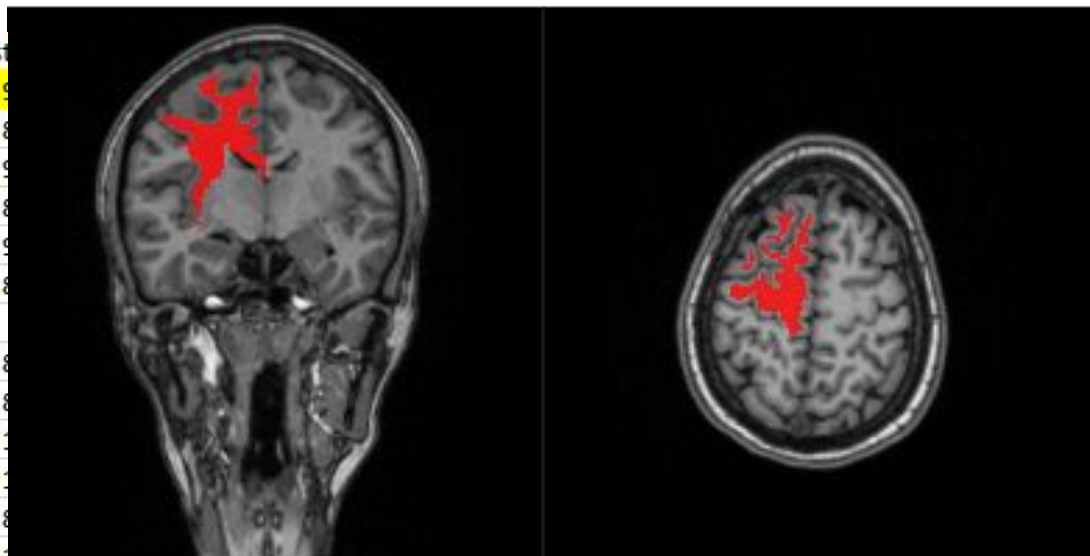
# OUTPUT - SUMMARY STATISTICS

WM\_stats\_lobes.csv

Name













- ALL\_stats\_DK
- ALL\_stats\_lobes
- Global\_stats\_DK
- Global\_stats\_lobes
- GM\_stats\_lobes
- WM\_stats\_lobes
- BrainMask.nii
- CerebrumMask.nii
- GrayMatterMask.nii
- LabelMask\_DK.nii
- LabelMask\_lobes.nii
- WhiteMatterMask.nii

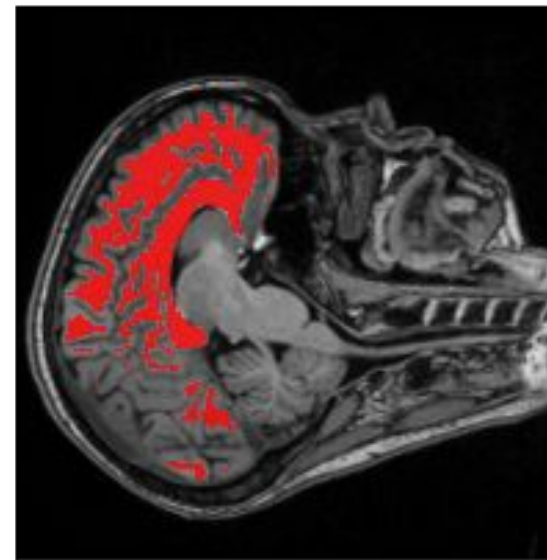
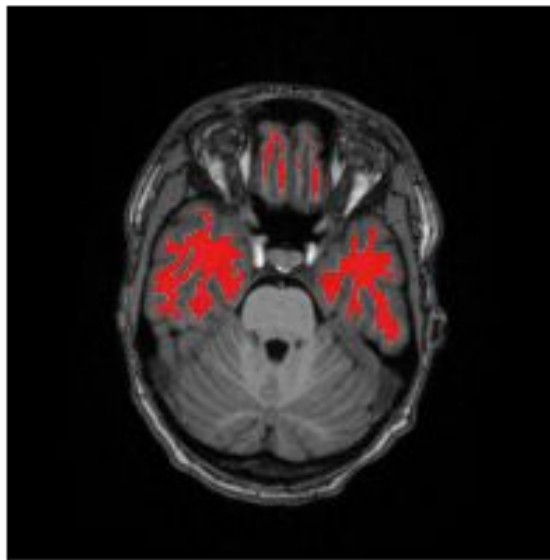
1	Region	mean	st
2	WM_Frontal_rh	104.3373	9
3	WM_Parietal_rh	103.9003	8
4	WM_Temporal_rh	104.5241	9
5	WM_Occipital_rh	100.7474	8
6	WM_Frontal_lh	104.0756	9
7	WM_Parietal_lh	104.1638	8
8	WM_Temporal_lh	104.5578	
9	WM_Occipital_lh	101.4805	8
10	WM_Cerebellum_lh	102.4684	8
11	WM_Sub-cortical_lh	102.5888	2
12	WM_Brainstem_lh	103.4677	2
13	WM_Cerebellum_rh	102.6197	8
14	WM_Sub-cortical_rh	102.2943	2
15	WM_Brainstem_rh	103.4499	9
16	WM_Cerebrum	103.9061	9
17	WM_Brain	103.7643	9
18			



# OUTPUT - SUMMARY STATISTICS














WM\_stats\_lobes.csv

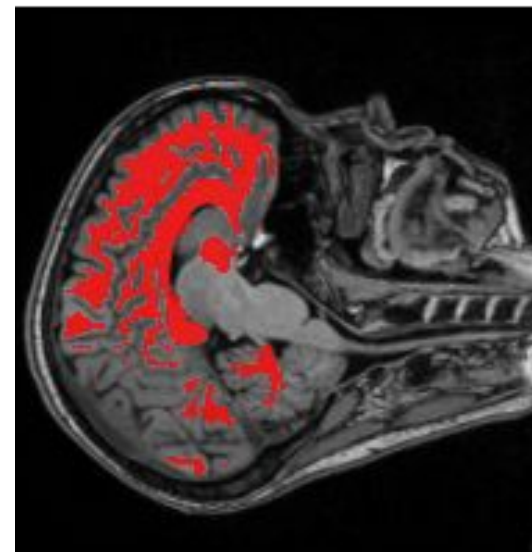
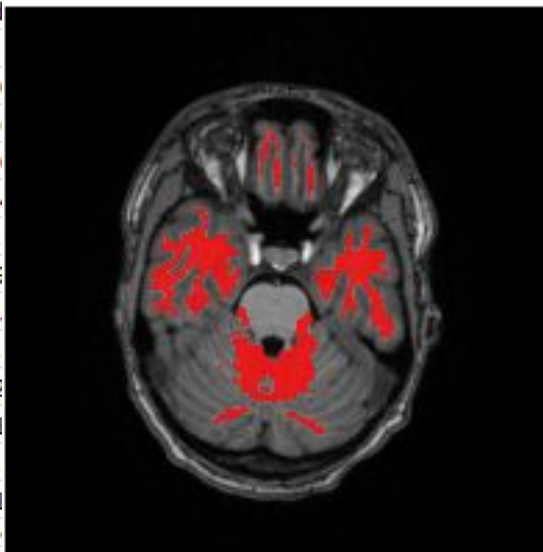
Name	1	Region	mean	std
 ALL_stats_DK	2	WM_Frontal_rh	104.3373	9
 ALL_stats_lobes	3	WM_Parietal_rh	103.9003	8
 Global_stats_DK	4	WM_Temporal_rh	104.5241	9
 Global_stats_lobes	5	WM_Occipital_rh	100.7474	8
 GM_stats_lobes	6	WM_Frontal_lh	104.0756	9
 WM_stats_lobes	7	WM_Parietal_lh	104.1638	8
 BrainMask.nii	8	WM_Temporal_lh	104.5578	9
 CerebrumMask.nii	9	WM_Occipital_lh	101.4805	8
 GrayMatterMask.nii	10	WM_Cerebellum_lh	102.4684	8
 LabelMask_DK.nii	11	WM_Sub-cortical_lh	102.5888	1
 LabelMask_lobes.nii	12	WM_Brainstem_lh	103.4677	1
 WhiteMatterMask.nii	13	WM_Cerebellum_rh	102.6197	8
	14	WM_Sub-cortical_rh	102.2943	1
	15	WM_Brainstem_rh	103.4499	9
	16	WM_Cerebrum	103.9061	9
	17	WM_Brain	103.7643	9



# OUTPUT - SUMMARY STATISTICS

WM\_stats\_lobes.csv

Name	1	Region	mean	std
 ALL_stats_DK	2	WM_Frontal_rh	104.3373	9.
 ALL_stats_lobes	3	WM_Parietal_rh	103.9003	8.
 Global_stats_DK	4	WM_Temporal_rh	104.5241	9.
 Global_stats_lobes	5	WM_Occipital_rh	100.7474	8.
 GM_stats_lobes	6	WM_Frontal_lh	104.0756	9.
 WM_stats_lobes	7	WM_Parietal_lh	104.1638	8.
 BrainMask.nii	8	WM_Temporal_lh	104.5578	9.
 CerebrumMask.nii	9	WM_Occipital_lh	101.4805	8.
 GrayMatterMask.nii	10	WM_Cerebellum_lh	102.4684	8.
 LabelMask_DK.nii	11	WM_Sub-cortical_lh	102.5888	12.
 LabelMask_lobes.nii	12	WM_Brainstem_lh	103.4677	11.
 LabelMask_lobes.nii	13	WM_Cerebellum_rh	102.6197	8.
 WhiteMatterMask.nii	14	WM_Sub-cortical_rh	102.2943	11.
	15	WM_Brainstem_rh	103.4499	9.
	16	WM_Cerebrum	103.9061	9.
	17	WM_Brain	103.7643	9.

















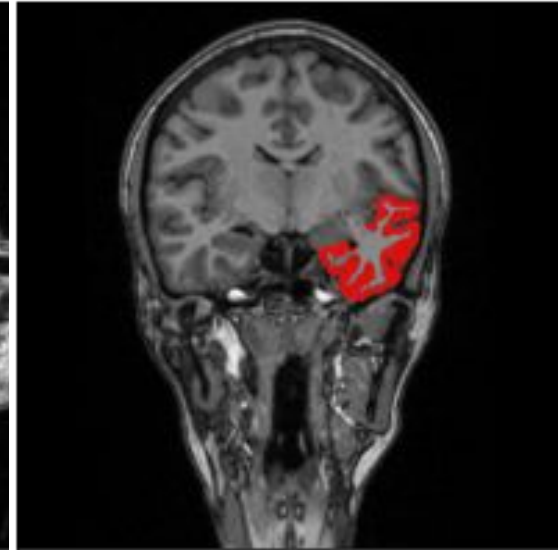
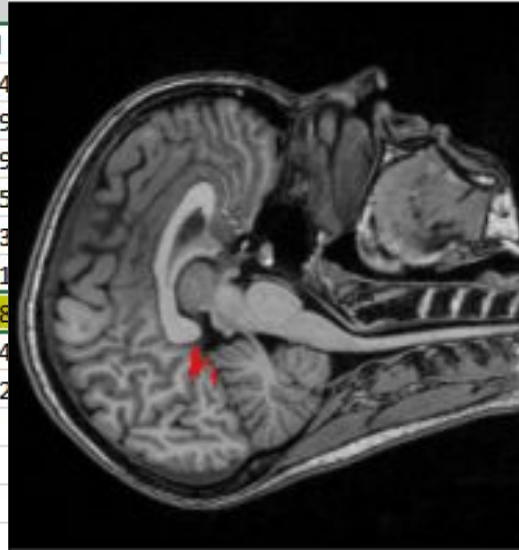
# OUTPUT - SUMMARY STATISTICS

GM\_stats\_lobes.csv

Name

 ALL\_stats\_DK  
 ALL\_stats\_lobes  
 Global\_stats\_DK  
 Global\_stats\_lobes  
 GM\_stats\_lobes  
 WM\_stats\_lobes  
 BrainMask.nii  
 CerebrumMask.nii  
 GrayMatterMask.nii  
 LabelMask\_DK.nii  
 LabelMask\_lobes.nii  
 WhiteMatterMask.nii

	A	B	
1	Region	mean	std
2	GM_Frontal_rh	68.35345	9.4
3	GM_Parietal_rh	70.41858	8.9
4	GM_Temporal_rh	69.32665	8.9
5	GM_Occipital_rh	71.30835	9.5
6	GM_Frontal_lh	67.87979	9.3
7	GM_Parietal_lh	69.57986	9.1
8	GM_Temporal_lh	68.60313	8.8
9	GM_Occipital_lh	70.82019	9.4
10	GM_Cerebrum	69.08555	9.2
11			
12			
13			
14			



# OUTPUT - SUMMARY STATISTICS

GM\_stats\_lobes.csv

Name	A	B	C
1	Region	mean	std
2	GM_Frontal_rh	68.35345	9.40
3	GM_Parietal_rh	70.41858	8.97
4	GM_Temporal_rh	69.32665	8.90
5	GM_Occipital_rh	71.30835	9.50
6	GM_Frontal_lh	67.87979	9.32
7	GM_Parietal_lh	69.57986	9.15
8	GM_Temporal_lh	68.60313	8.85
9	GM_Occipital_lh	70.82019	9.41
10	GM_Cerebrum	69.08555	9.24
11			
12			
13			
14			

ALL\_stats\_DK

ALL\_stats\_lobes

Global\_stats\_DK

Global\_stats\_lobes

GM\_stats\_lobes

WM\_stats\_lobes

BrainMask.nii

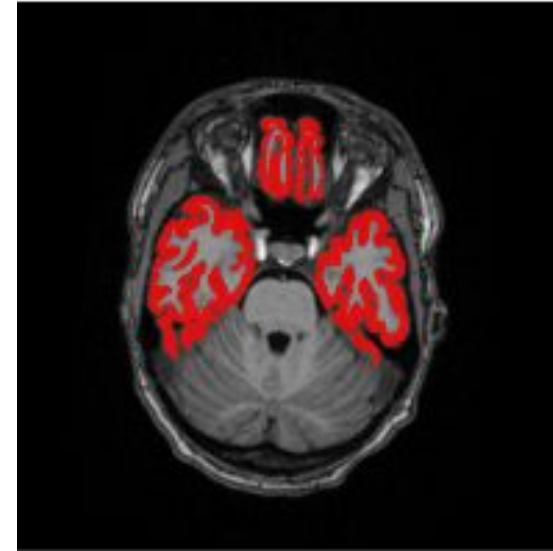
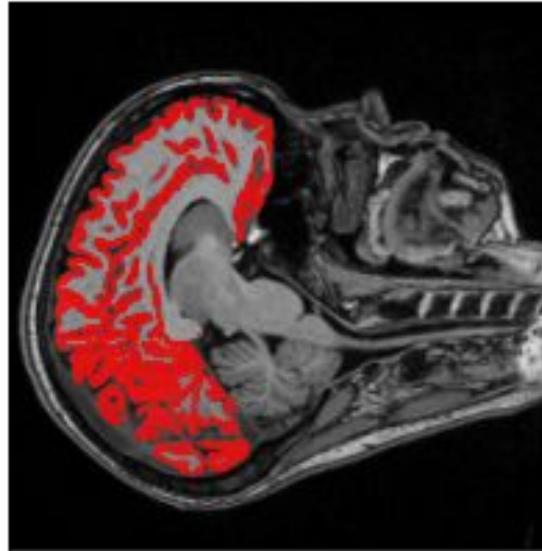
CerebrumMask.nii

GrayMatterMask.nii

LabelMask\_DK.nii

LabelMask\_lobes.nii

WhiteMatterMask.nii



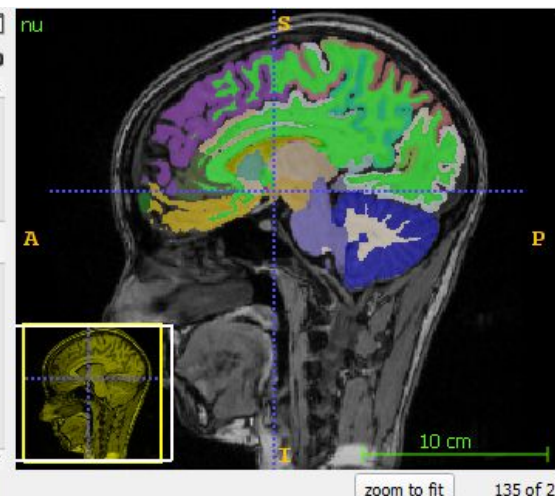
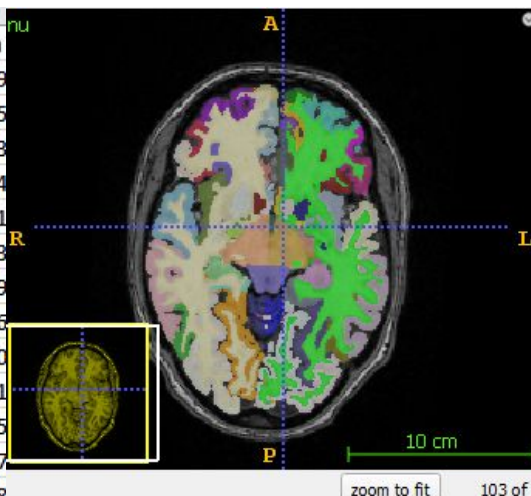
# OUTPUT - SUMMARY STATISTICS

ALL\_stats\_DK.csv (desikan killiany - aparc+aseg)

Name

- ALL\_stats\_DK
- ALL\_stats\_lobes
- Global\_stats\_DK
- Global\_stats\_lobes
- GM\_stats\_lobes
- WM\_stats\_lobes
- BrainMask.nii
- CerebrumMask.nii
- GrayMatterMask.nii
- LabelMask\_DK.nii
- LabelMask\_lobes.nii
- WhiteMatterMask.nii

	A	B
1	Region	mean
2	ALL_Left-Cerebral-White-Matter	103.9
3	ALL_Left-Lateral-Ventricle	27.75
4	ALL_Left-Inf-Lat-Vent	49.73
5	ALL_Left-Cerebellum-White-Mat	102.4
6	ALL_Left-Cerebellum-Cortex	74.1
7	ALL_Left-Thalamus-Propor	91.03
8	ALL_Left-Caudate	78.59
9	ALL_Left-Putamen	88.36
10	ALL_Left-Pallidum	105.0
11	ALL_3rd-Ventricle	43.91
12	ALL_4th-Ventricle	26.55
13	ALL_Brain-Stem	98.57
14	ALL_Left-Hippocampus	71.88
15	ALL_Left-Amygdala	74.9
16	ALL_CSF	41.42
17	ALL_Left-Accumbens-area	74.45
18	ALL_Left-VentralDC	98.44



Same as ALL\_stats\_lobes.csv except with DK atlas instead of lobe masks.