For each subject we have:

T1-weighted volumetric images that have been 'positionally

normalized' into the Talairach orientation (rotation only).

Manual Segmentations for 'general segmentation' of the

principle gray and white matter structures of the brain

including the: 3rd Ventricle, 4th Ventricle, Brain Stem,

and Left and Right: Accumbens area , Amygdala, Amygdala Anterior,

Caudate, Cerebellum Cortex, Cerebellum Exterior, Cerebellum White

Matter, Cerebral Cortex, Cerebral Exterior, Cerebral White Matter,

Hippocampus, Inf Lat Vent, Lateral Ventricle, Pallidum, Putamen,

Thalamus Proper, VentralDC, and vessel.

Image Resolutions are as follows:

# X Y SLICE

-- ------------- ------------- -----

01 0.9375 0.9375 1.5

02 0.9375 0.9375 1.5

03 0.9375 0.9375 1.5

04 0.9375 0.9375 1.5

05 0.9375 0.9375 1.5

06 0.9375 0.9375 1.5

07 1.0 1.0 1.5

08 1.0 1.0 1.5

09 1.0 1.0 1.5

10 1.0 1.0 1.5

11 1.0 1.0 1.5

12 1.0 1.0 1.5

13 0.9375 0.9375 1.5

14 0.9375 0.9375 1.5

15 0.837053571429 0.837053571429 1.5

16 0.837053571429 0.837053571429 1.5

17 0.837053571429 0.837053571429 1.5

18 0.837053571429 0.837053571429 1.5

The images are provided in Analyze format, which includes \*hdr, \*img, and \*mat files.

For further details, see:

http://imaging.mrc-cbu.cam.ac.uk/imaging/FormatAnalyze

In the segmentation files, the fill code represents the

various structures that were segmented. The code-to-structure

conversion is provided in a table below.

There are 18 subjects, named IBSR\_01 - IBSR\_18.

Each subject is associated with an individual folder.

Training and validation subjects have segmentation files. Test subjects do not have segmentation files.

Under each subject’s folder, you can find the files with name “IBSR\_\*\_ana”, which are the brain MRI scans.

The segmentation files have name “IBSR\_\*\_seg\_ana\*”.

Fill code to Structure List for Segmentation

----------------------------------------------------------------------

0 Unknown 0 0 0 0

1 Left-Cerebral-Exterior 205 62 78 0

2 Left-Cerebral-White-Matter 225 225 225 0

3 Left-Cerebral-Cortex 205 62 78 0

4 Left-Lateral-Ventricle 120 18 134 0

5 Left-Inf-Lat-Vent 196 58 250 0

6 Left-Cerebellum-Exterior 0 148 0 0

7 Left-Cerebellum-White-Matter 220 248 164 0

8 Left-Cerebellum-Cortex 230 148 34 0

9 Left-Thalamus 0 118 14 0

10 Left-Thalamus-Proper 0 118 14 0

11 Left-Caudate 122 186 220 0

12 Left-Putamen 236 13 176 0

13 Left-Pallidum 12 48 255 0

14 3rd-Ventricle 204 182 142 0

15 4th-Ventricle 42 204 164 0

16 Brain-Stem 119 159 176 0

17 Left-Hippocampus 220 216 20 0

18 Left-Amygdala 103 255 255 0

19 Left-Insula 80 196 98 0

20 Left-Operculum 60 58 210 0

21 Line-1 60 58 210 0

22 Line-2 60 58 210 0

23 Line-3 60 58 210 0

24 CSF 60 60 60 0

25 Left-Lesion 255 165 0 0

26 Left-Accumbens-area 255 165 0 0

27 Left-Substancia-Nigra 0 255 127 0

28 Left-VentralDC 165 42 42 0

29 Left-undetermined 135 206 235 0

30 Left-vessel 160 32 240 0

31 Left-choroid-plexus 0 255 255 0

32 Left-F3orb 100 50 100 0

33 Left-lOg 135 50 74 0

34 Left-aOg 122 135 50 0

35 Left-mOg 51 50 135 0

36 Left-pOg 74 155 60 0

37 Left-Stellate 120 62 43 0

38 Left-Porg 74 155 60 0

39 Left-Aorg 122 135 50 0

40 Right-Cerebral-Exterior 205 62 78 0

41 Right-Cerebral-White-Matter 0 225 0 0

42 Right-Cerebral-Cortex 205 62 78 0

43 Right-Lateral-Ventricle 120 18 134 0

44 Right-Inf-Lat-Vent 196 58 250 0

45 Right-Cerebellum-Exterior 0 148 0 0

46 Right-Cerebellum-White-Matter 220 248 164 0

47 Right-Cerebellum-Cortex 230 148 34 0

48 Right-Thalamus 0 118 14 0

49 Right-Thalamus-Proper 0 118 14 0

50 Right-Caudate 122 186 220 0

51 Right-Putamen 236 13 176 0

52 Right-Pallidum 255 48 255 0

53 Right-Hippocampus 220 216 20 0

54 Right-Amygdala 103 255 255 0

55 Right-Insula 80 196 98 0

56 Right-Operculum 60 58 210 0

57 Right-Lesion 255 165 0 0

58 Right-Accumbens-area 255 165 0 0

59 Right-Substancia-Nigra 0 255 127 0

60 Right-VentralDC 165 42 42 0

61 Right-undetermined 135 206 235 0

62 Right-vessel 160 32 240 0

63 Right-choroid-plexus 0 255 255 0

64 Right-F3orb 100 50 100 0

65 Right-lOg 135 50 74 0

66 Right-aOg 122 135 50 0

67 Right-mOg 51 50 135 0

68 Right-pOg 74 155 60 0

69 Right-Stellate 120 62 43 0

70 Right-Porg 74 155 60 0

71 Right-Aorg 122 135 50 0

72 5th-Ventricle 120 190 150 0

73 Right\_Thin\_Cerebral\_White\_Matter 240 240 240 0

74 Left\_Thin\_Cerebral\_White\_Matter 240 240 240 0

80 Bone 100 100 100 0

81 Fat 255 255 255 0

82 Bright-Unknown 100 240 240 0

83 Dark\_Unknown 20 100 100 0

84 Corpus\_Callosum 50 255 150 0