

Description of Source Data

Anton Zhitomirsky

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1 Structure of source Data

Results are structured in the file:

/vol/biomedic3/bglocker/nnUNet

-rwxr-xr-x	1	bglocker	biomedica	236	Sep	24	15:16	exports
drwxr-sr-x	9	bglocker	biomedica	9	Nov	25	10:55	nnUNet_preprocessed
drwxr-sr-x	9	bglocker	biomedica	10	Nov	25	10:50	nnUNet_raw
drwxr-sr-x	9	bglocker	biomedica	9	Nov	25	12:20	nnUNet_results
drwxr-sr-x	11	bglocker	biomedica	11	Dec	16	09:10	nnUNet_testing
-rw-r--r--	1	bglocker	biomedica	644	Oct	20	07:20	run_nnunet_0.sh
-rw-r--r--	1	bglocker	biomedica	644	Oct	20	07:20	run_nnunet_1.sh
-rw-r--r--	1	bglocker	biomedica	644	Oct	20	07:20	run_nnunet_2.sh
-rw-r--r--	1	bglocker	biomedica	644	Oct	20	07:21	run_nnunet_3.sh
-rw-r--r--	1	bglocker	biomedica	644	Oct	20	07:21	run_nnunet_4.sh

nnUNet_raw

nnUNet_raw has the original (training) images with manual annotations. Each Dataset below is treated as a binary segmentation problem. See Section2

drwxr-sr-x	4	bglocker	biomedica	5	Sep	17	13:47	Dataset001_Anorectum
drwxr-sr-x	3	bglocker	biomedica	5	Sep	17	20:24	Dataset002_Bladder
drwxr-sr-x	3	bglocker	biomedica	5	Sep	17	20:27	Dataset003_CTVn
drwxr-sr-x	3	bglocker	biomedica	5	Sep	17	20:28	Dataset004_CTVp
drwxr-sr-x	3	bglocker	biomedica	5	Sep	17	20:29	Dataset005_Parametrium
-rw-r--r--	1	bglocker	biomedica	135	Nov	25	10:50	note

What is a Binary Segmentation Problem?

2 Viewing the Data

ItkSnap

The viewing tool used is ItkSnap, which was developed as an open source tool for viewing medical imaging scans. The view (Figure1) shows how you would see input data.

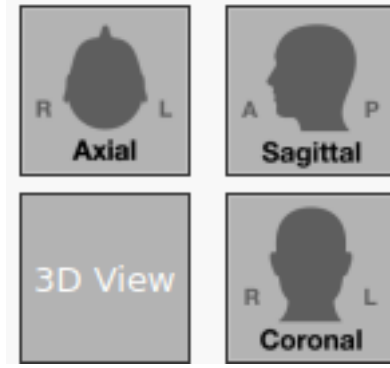


Figure 1: view of all input data

With that we can use this tool to view input data. Here, the R and L stand for right and left respectively, and the A and P stand for Anterior and Posterior. We can provide a few other examples of viewing data displayed below in Figure2. We are further provided with manual annotation of the substructures. Figure3 shows an example of the annotation of the Anorectum. You can enable the 3D visual model through Edit > 3D Panel > Toggle 3D view.

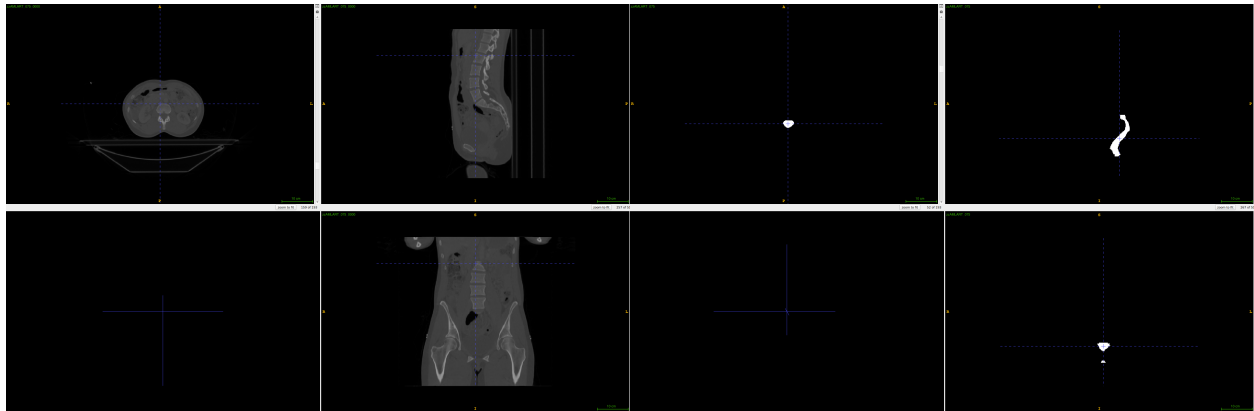


Figure 2: ItkSnap view of the Anorectum
Raw Image

Figure 3: ItkSnap view of the Anorectum
Raw Image