

Table 1

file_name	Model	Model_wt	loss_func	File Description	
handle_fi.ipynb	none	none	None	Used to form data pipeline for nii.gz file type	
model.py	Unet	none	None	Contains unet model	
resunet.py	ResUnet	none	none	Contains resunet model	
transunet.py	TransUnet	None	None	Contains transunet model	
vit.py	ViT	None	None	Contained Visual Transformer architecture	
train_q3_unet	Unet	model_q3_unet_best_epoch19	Weighted BCE	Training of 2D unet on heart data	
train_q3_transunet	TransUnet	model_q3_transunet_best_epoch84	Weighted BCE	Training of 2D transunet on heart data	
train_q3_resunet	ResUnet	model_q3_resunet_best_epoch27	Weighted BCE	Training of 2D resunet on heart data	
Train_q2_transunet	TransUnet	model_q2_transunet_best_epoch8	BCEwithLogitloss	Training of 2D transunet on Lung data	
Train_q1_unet	Unet	model_1_best_epoch_9	BCEwithLogitloss	Training of 2D Unet on Lung data	
Asgn_runs_graph	none	None	None	Contains tensor board graphs of training and validation of all the models	
hausdroff	Unet,TranUnet,ResUnet	all above weights	all above loss functions	Used to calculate avergae Hausdroff weight, DICE score and IOU score of each model.	
Note ;- Q4 was not attempted. All the weights of the model were not uploaded due to size constraint. The model were trained on downsampled 128 x 128 images, apart from UNET for q1 which was trained on 256 x 256					