

UNET MODELS														
Backbone	Epochs	Validation %	Batch Size	Dataset	IOU Score	Val IOU Score	F1 Score	Val F1 Score	Loss	Val Loss	Activation function	Weights	Loss	optimizer
Resnet 34	50	0.1	8	81	0.763	0.4198	0.8615	0.5185	0.0426	0.177	Sigmoid	Imagenet	Binary_cross_Entropy	
Inception V3	50	0.1	8	81	0.8038	0.3848	0.8879	0.518	0.0324	0.1479	Sigmoid	Imagenet	Binary_cross_Entropy	
Resnext 101	50	0.1	8	81	0.7756	0.3475	0.8709	0.3503	0.0485	0.2005	Sigmoid	Imagenet	Binary_cross_Entropy	
Resnet 101	50	0.1	8	81	0.7104	0.3485	0.8294	0.4742	0.1146	0.2083	Sigmoid	Imagenet	Binary_cross_Entropy	
EfficiencyNet L4	50	0.1	8	81	0.7612	0.3506	0.8608	0.4866	0.0478	0.1652	Sigmoid	Imagenet	Binary_cross_Entropy	
DenseNet 201	50	0.1	8	81	0.7666	0.3668	0.8665	0.4985	0.0514	0.1465	Sigmoid	Imagenet	Binary_cross_Entropy	
Resnet 34	50	0.25	16	81	0.8491	0.2828	0.9177	0.4234	0.0503	0.1637	Sigmoid	Imagenet	Binary_cross_En	Binary_cross_Entropy
Inception V3	50	0.25	16	81	0.8349	0.3263	0.9087	0.48	0.0538	0.1688	Sigmoid	Imagenet	Binary_cross_En	Binary_cross_Entropy
Models with added dataset					IOU Score	Val IOU Score	F1 Score	Val F1 Score	Loss	Val Loss				
Resnet 34	50	0.25	16	109	0.6287	0.3986	0.7661	0.5697	0.1617	0.2469	Sigmoid	Imagenet	Binary_cross_Entropy	
Inception V3	50	0.25	16	109	0.7768	0.3911	0.8736	0.5716	0.0558	0.1631	Sigmoid	Imagenet	Binary_cross_Entropy	
Resnet 101	50	0.25	16	109	0.7432	0.399	0.8505	0.551	0.0512	0.1783	Sigmoid	Imagenet	Binary_cross_Entropy	
Models with new dataset(+preprocessed X train)														
Resnet 34	50	0.25	16	154 new	0.7732	0.2797	0.8716	0.0632	0.1687	0.2797	Sigmoid	Imagenet	Binary_cross_Entropy	
Inception V3	50	0.25	16	154 new	0.9024	0.101	0.9487	0.1659	0.0389	0.2038	Sigmoid	Imagenet	Binary_cross_Entropy	
Resnet 101	50	0.25	16	154 new	0.8819	0.02	0.9371	0.0571	0.0527	0.1964	Sigmoid	Imagenet	Binary_cross_Entropy	
Models with all dataset (233 images)					- NOT UPDATED -									
Resnet 34	50	0.25	16	223	0.7732	0.2797	0.8716	0.0632	0.1687	0.2797	Sigmoid	Imagenet	Binary_cross_Entropy	
Inception V3	50	0.25	16	223	0.9024	0.101	0.9487	0.1659	0.0389	0.2038	Sigmoid	Imagenet	Binary_cross_Entropy	
Resnet 101	50	0.25	16	223	0.8819	0.02	0.9371	0.0571	0.0527	0.1964	Sigmoid	Imagenet	Binary_cross_Entropy	
Hybrid Models with weights														
Models:	ResNet 34	InceptionV3	ResNet 101		IOU Score	Validation Split	Overlap	Union						
Weights:	0.3	0.6	0.1	109	0.9101002616	0.25	0.5	0.99						
Models:	ResNet 34	InceptionV3	ResNet 101		IOU Score	Validation Split	Overlap	Union						
Weights:	0.4	0.6	0	109	0.9485386533	0.25	0.5	0.99						
Models:	ResNet 34	InceptionV3	DenseNet 101		IOU Score	Validation Split	Overlap	Union						
Weights:	0.3	0.6	0.1	109	0.9112220125	0.25	0.5	0.99						
Models:	DenseNet 101	InceptionV3	ResNet 101		IOU Score	Validation Split	Overlap	Union						
Weights:	0.7	0.6	0.1	109	0.8963181617	none	0.5	0.99						
Models:	ResNet 34	InceptionV3	DenseNet 101		IOU Score	Validation Split	Overlap	Union						
Weights:	0.4	0.5	0.5	109	0.9002692253	none	0.5	0.99						