

BrainHack 2021 TIL - Team 200 Success Submissions

List of Parameters Used in Model for Each Challenge (CV)

Challenge	Dataset	Batch Size	Learning Rate	Classes	Epochs	Optimizer	Backbone	FPN	IOU Threshold
1	C1 Original, C1 Easter	4	0.003	6	20	SGD	resnet101	TRUE	0.5
3	C1 Original, C1 Easter, C3 Original, C3 Easter, C5 Original	4	0.003	8	12	SGD	resnet101	TRUE	0.5
5	C1 Original, C1 Easter, C3 Easter, C5 Original	4	0.003	9	10	SGD	resnet101	TRUE	0.5

List of Parameters Used in Model for Each Challenge (ASR)

Challenge	Dataset	Double Data?*	LR	Time Masking	Frequency Masking	Noise Sigma	Hidden Size	Number of layers	Batch Size	Optimizer	Dropout	Epochs
2	C2 Original	N	1e-02	5	5	-	256	2	32	Adagrad	-	30
4	C2 Original, C2 Easter, C4 Original,	Y	5e-03	5 5	5 9	0.7 1.2	256	4	32	Adagrad	0.3	30

	C4 Easter											
6	(C2 Original, C2 Easter, C4 Original, C4 Easter, C6 Original, C6 Easter) -> Augmented with noise using <u>SC6_add_noise.ipynb</u>	Y	5e-03	5 5	5 9	0.7 1.2	256	4	32	Adam	0.3	30

**Double data refers to duplicating a copy of the data that we used, and then augmenting/transforming that two identical sets differently.*

** Time Masking and Frequency Masking with 2 values represents the augmentation done in either of the 2 identical datasets respectively.*