

# 1 Model Hyperparameters

Table 1: List of Colar hyperparameters and their default values

Argument	Default Value
exp_name	'ColarMETEOR'
data_root	'/workspace/pvc-meteor/features/features_i3d.pkl'
dataset_file	'/workspace/pvc-meteor/features/METEOR_info.json'
kmean	'/workspace/pvc-meteor/features/colar/exemplar.pickle'
checkpoint	'./checkpoint/THUMOS-TSN-Kinetics.pth'
seed	20
lr	3e-4
weight_decay	1e-4
cuda_id	0
lr_drop	1
input_size	2048
enc_layers	64
numclass	5
batch_size	512
overlap	1
num_workers	8
start_epoch	1
epochs	20
output_dir	'checkpoint'
clip_max_norm	1.0
feature_type	'METEOR'
command	'kinetics'

Table 2: List of OadTR hyperparameters and their default values

Argument	Default Value
lr	1e-4
batch_size	512
weight_decay	1e-4
epochs	60
resize_feature	False
lr_drop	1
lr_drop_size	0.5
clip_max_norm	1.0
dataparallel	None
removelog	None
use_flow	False
version	'v3'
query_num	8
decoder_layers	4
decoder_embedding_dim	1024
decoder_embedding_dim_out	1024
decoder_attn_dropout_rate	0.4
decoder_num_heads	4
classification_pred_loss_coef	0.5
enc_layers	64
lr_backbone	1e-4
feature	'3D_Resnet'
dim_feature	2048
patch_dim	1
embedding_dim	1024
num_heads	8
num_layers	3
attn_dropout_rate	0.4
positional_encoding_type	'learned'
hidden_dim	512
dropout_rate	0.4
numclass	22
classification_x_loss_coef	0.3
classification_h_loss_coef	1
similar_loss_coef	0.1
margin	1.0
weighted_loss	'True'
weight_values	0
dataset_file	'/workspace/pvc-meteor/features/METEOR.info.json'
frozen_weights	None
thumos_data_path	'/home/dancer/mycode/Temporal.Online.Detection/Online.TRN.Pytorch/preprocess/'
thumos_anno_path	'data/thumos-{}_anno.pickle'
remove_difficult	None
device	'cuda'
binary_label	False
output_dir	'models' 2
seed	20
resume	"
start_epoch	1
eval	None
num_workers	8
use_frequent	'True'
use_infrequent	'False'