

Model Pipelines

SyntaxSquad ML Pipeline #2 • v 1.0.1

Trigger 1: Retrain on new dataset arrival

WLASL100

pipe: 6c7f726c44a2434eb273913307df870f

Updated 15 days ago • Created by HOANG QUAN DANG

SyntaxSquad ML Pipeline #4 • v 1.0.2

WLASL300

pipe: 4d7cd7aff2404e95aaded63bd67d6bbb

Updated 16 days ago • Created by HOANG QUAN DANG

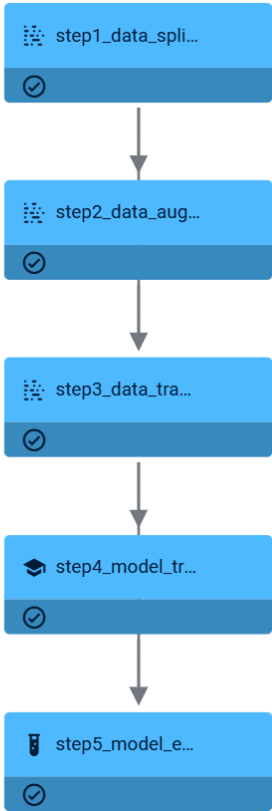
SyntaxSquad ML Pipeline #2 • v 1.0.1

WLASL100

pipe: 6c7f726c44a2434eb273913307df870f

production

Updated 16 days ago • Created by HOANG QUAN DANG



SyntaxSquad/.pipelines/SyntaxSquad ML Pipeline

SyntaxSquad ML Pipeline #2 ID 6c7f726c...

WLASL100 pipe: 6c7f726c44a2434eb273913307df870f production

✓ Completed • 0 iterations • Last updated 16 days ago

ARGS

augmentation_frequency	1
batch_size	128
chosen_labels	
chosen_landmarks	
convId_dropout	0.2
epochs	100
last_dropout	0.2
learning_rate	0.001
max_frames	195
max_labels	100
max_samples	
pad_value	-100
reduce_lr_factor	0.7
reduce_lr_min_lr	1e-06
reduce_lr_patience	5
weights_name	wlasl100.h5
wlasl_landmarks_dataset...	3b222a4667044677b2f7bc0...

PIPELINE

PROPERTIES

SyntaxSquad/.pipelines/SyntaxSquad ML Pipeline

SyntaxSquad ML Pipeline #4 ID 4d7cd7af...

WLASL300 pipe: 4d7cd7aff2404e95aaded63bd67d6bbb

✓ Completed • 0 iterations • Last updated 16 days ago

ARGS

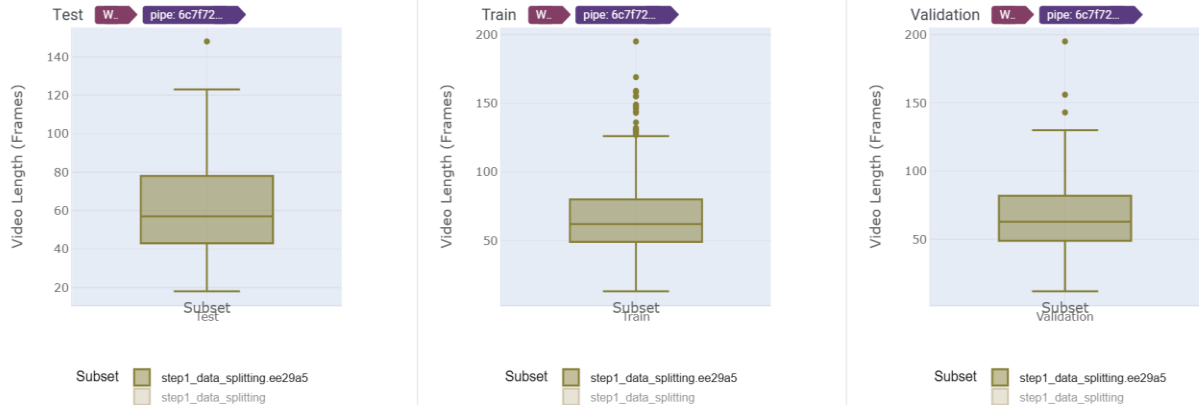
augmentation_frequency	1
batch_size	256
chosen_labels	
chosen_landmarks	
convId_dropout	0.3
epochs	100
last_dropout	0.5
learning_rate	0.001
max_frames	195
max_labels	300
max_samples	
pad_value	-100
reduce_lr_factor	0.7
reduce_lr_min_lr	1e-06
reduce_lr_patience	2
weights_name	wlasl300.h5
wlasl_landmarks_dataset...	3b222a4667044677b2f...

PIPELINE

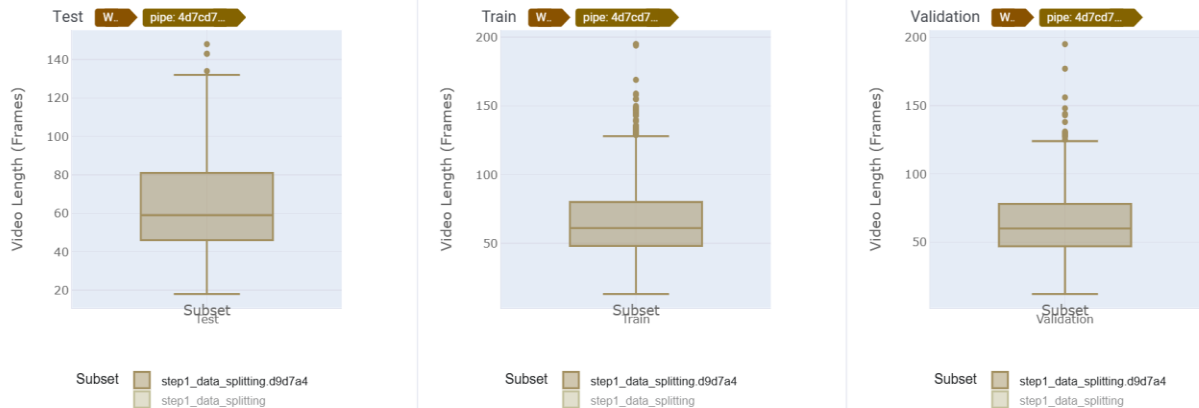
PROPERTIES

Data Distribution (from Step 0 Data Splitting)

Boxplot of Video Length by Subset (Top 100 Glosses) - Statistics



Boxplot of Video Length by Subset (Top 300 Glosses) - Statistics



Dataset Statistics for Top 100 Glosses - Statistics

step1_data_splitting.ee29a5 WLAS... pipe: 6c7f726c44a2434eb2739...

Subset	Number of Videos	Number of Classes	Average Frames/Video	Number of Landmarks/Frame	Video Length (mean)	Video Length (std)	Video Length (min)	Video Length (max)
Train	1442	100	65.3710124827	180	65.3710124827	24.0987228782	13	195
Validation	338	100	66.7603550296	180	66.7603550296	25.3954824809	12	195
Test	258	100	62.4612403101	180	62.4612403101	24.1867018487	18	148

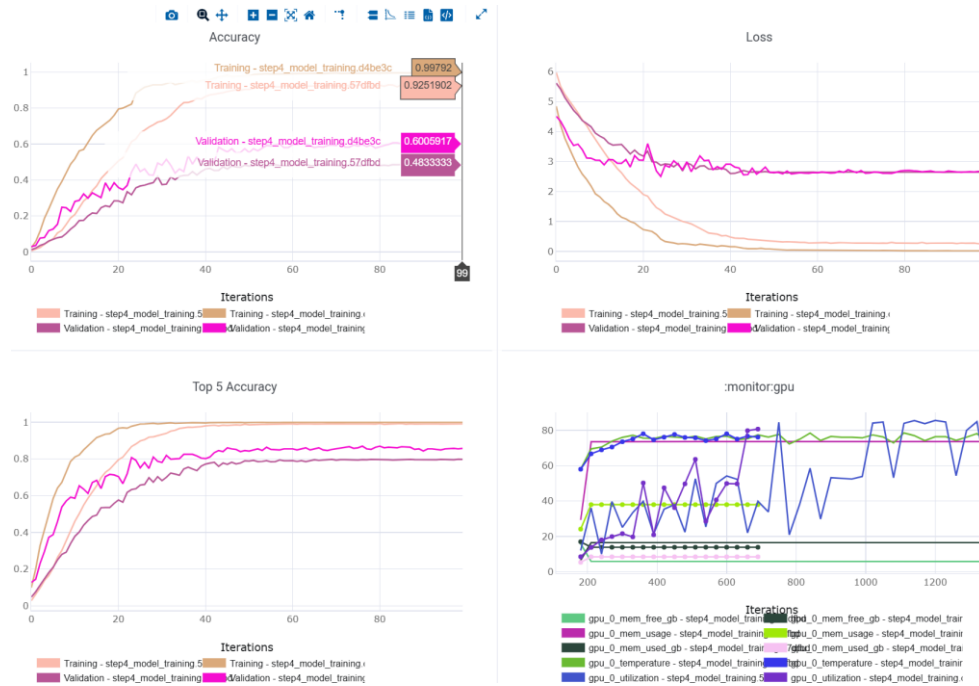
Dataset Statistics for Top 300 Glosses - Statistics

step1_data_splitting.d9d7a4 WLAS... pipe: 4d7cd7aff2404e95aaded6...

Subset	Number of Videos	Number of Classes	Average Frames/Video	Number of Landmarks/Frame	Video Length (mean)	Video Length (std)	Video Length (min)	Video Length (max)
Train	3549	300	65.0904480135	180	65.0904480135	24.374427789	13	195
Validation	900	300	63.8688888889	180	63.8688888889	24.2747191511	12	195
Test	668	300	63.9820359281	180	63.9820359281	24.2825010392	18	148

Model Performance Metrics

Step 4 Model Training – WLASL300 vs. WLASL100



Step 5 Model Evaluation – WLASL300 vs. WLASL100

