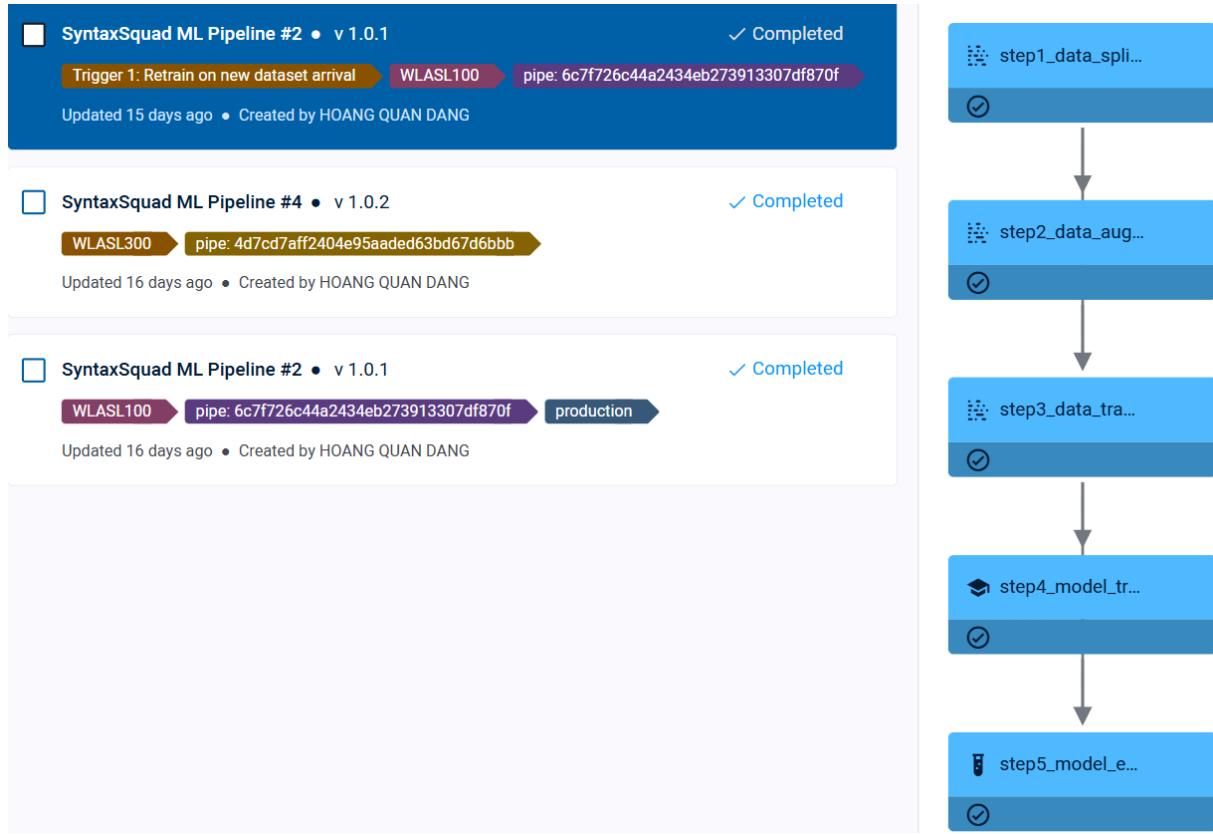


Model Pipelines



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		
conv1d_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

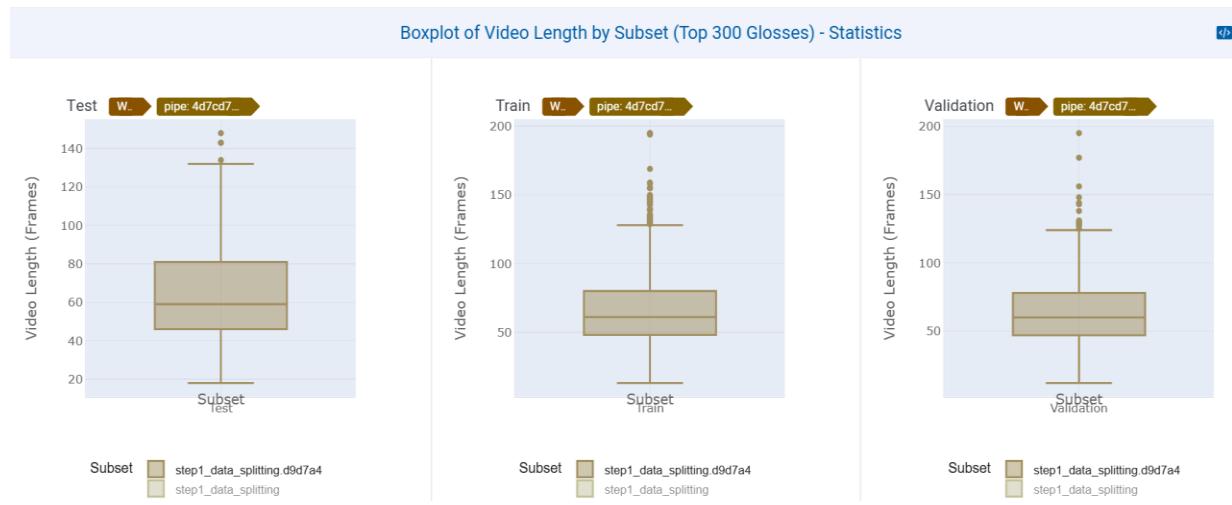
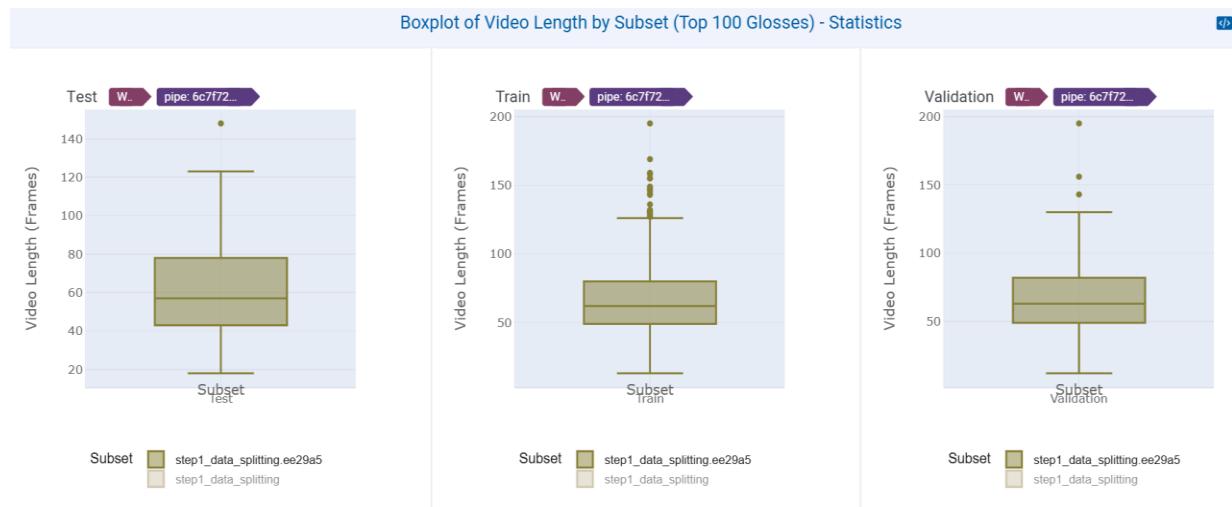
ARGS

augmentation_frequency	1	≡
batch_size	256	≡
chosen_labels		
chosen_landmarks		
conv1d_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)



Dataset Statistics for Top 100 Glosses - Statistics

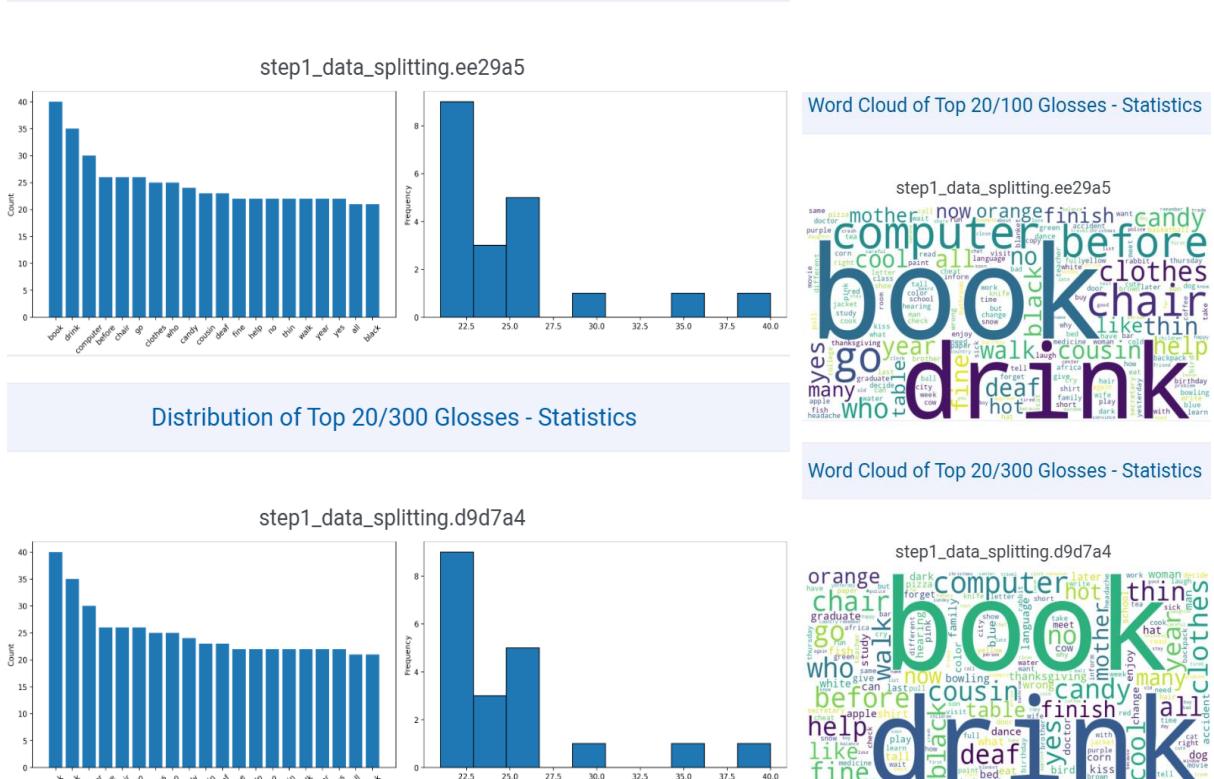
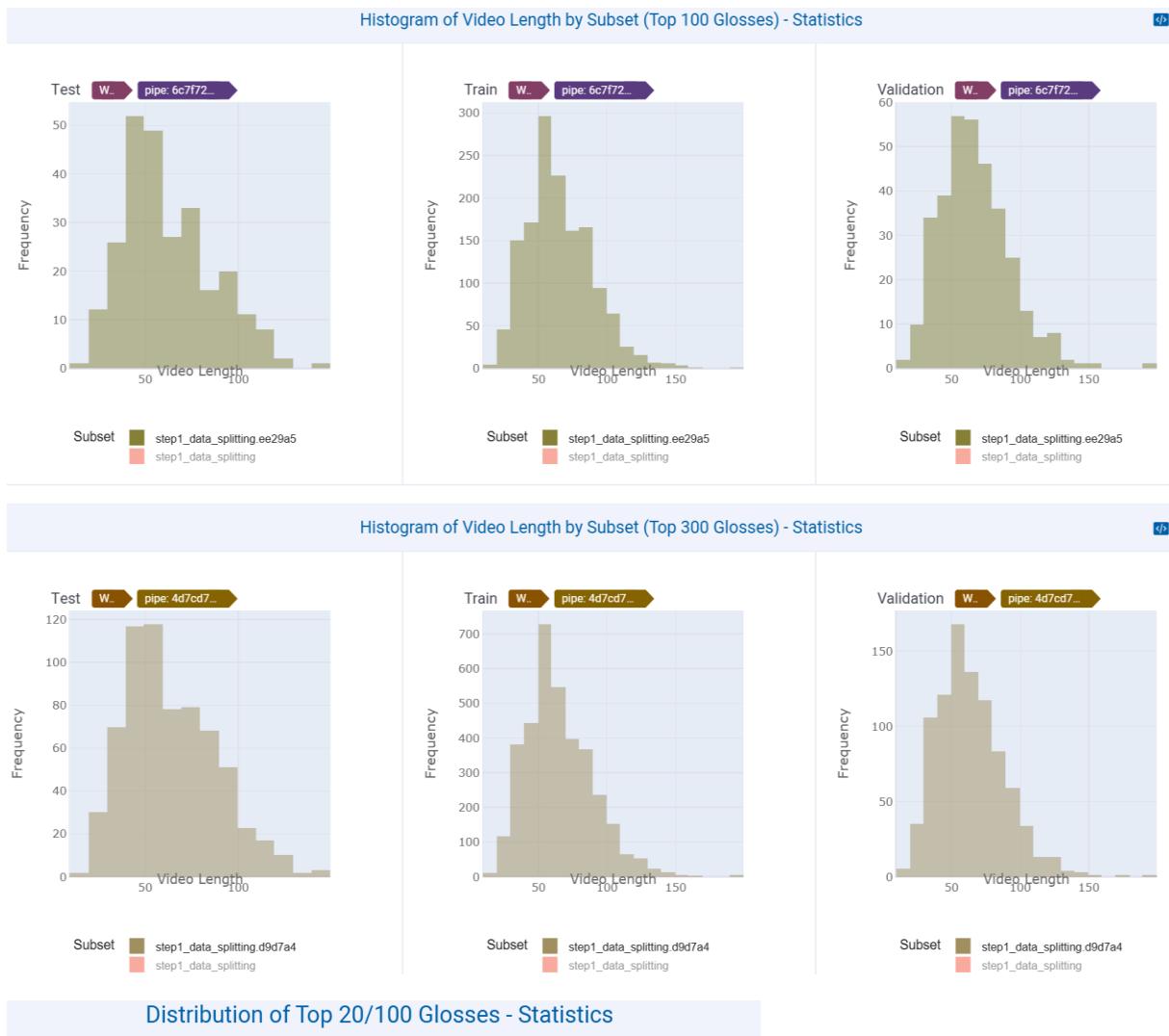
step1_data_splitting.ee29a5 [WLAS...] pipe: 6c7f726c44a2434eb2739...

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

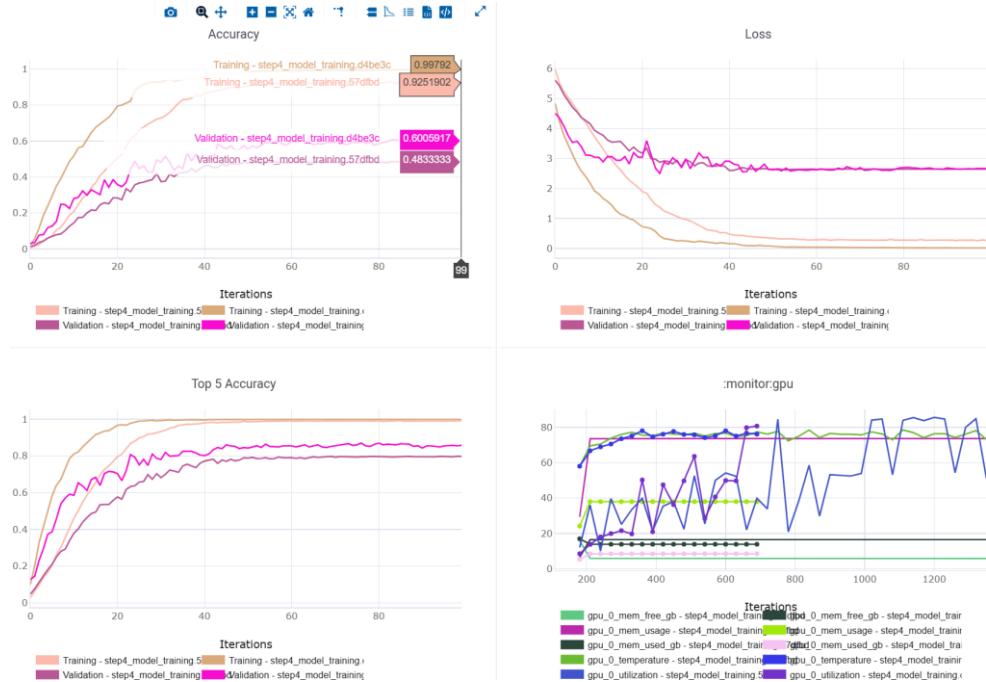
step1_data_splitting.d9d7a4 [WLAS...] pipe: 4d7cd7aff2404e95aaded6...

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 – WLALS300 vs. WLALS100



Step 5 Model Evaluation – WLALS300 vs. WLALS100

