

Train Dataloader - 176

Test Dataloader - 45

Device Used - cuda

Model Used - CNN_3D

Key Frame Extraction - True

Key Frame Extraction Algorithm - BG_Subtraction

Feature Extraction - True

Background Subtraction - True

Background Subtraction Algorithm - GMG

Data Augmentation - False

Spatial Temporal Loss - False

Frame rate adjusted dataset - True

Window Length = 8

Stride = 1

Fair Comparison = True

Dropout = 0.25

Learning Rate = 0.0002

Num Epochs = 20

Chunk Size = 64

Forward Chunk Size = 8

Loss Fn = BCELoss()

Training has Begun

epoch [1/20], loss:0.6198

epoch [2/20], loss:0.1958

epoch [3/20], loss:0.1937

epoch [4/20], loss:0.1962

epoch [5/20], loss:0.1963

epoch [6/20], loss:0.1963

epoch [7/20], loss:0.1962

epoch [8/20], loss:0.1961

epoch [9/20], loss:0.1959

epoch [10/20], loss:0.1957

epoch [11/20], loss:0.1956

epoch [12/20], loss:0.1955

epoch [13/20], loss:0.1954

epoch [14/20], loss:0.1952

epoch [15/20], loss:0.1950

epoch [16/20], loss:0.1951

epoch [17/20], loss:0.1839

epoch [18/20], loss:0.1803

epoch [19/20], loss:0.1940

epoch [20/20], loss:0.1934

Training has Completed

Forward pass occurring

Forward pass completed

IP_T_2024-04-26-22-44

STD Global Classification Results

TPR 1.000, FPR 0.000, Precision 1.000, Recall 1.000

tn 3732, fp 0, fn 0, tp 358

std_AUROC 1.000

Mean Global Classification Results

TPR 0.810, FPR 0.000, Precision 1.000, Recall 0.810

tn 3732, fp 0, fn 68, tp 290

mean_AUROC 0.905

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c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:1123: UndefinedMetricWarning: No negative samples in y_true,  
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warnings.warn(  
d:\FYP-Human-Fall-Detection\Code\functions.py:302: RuntimeWarning: Mean of em  
pty slice  
final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean  
performance across all videos  
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\na  
nfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.  
var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
```





