

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 - False

Data Augmentation - False

Spatial Temporal Loss - False

Frame rate adjusted dataset - False

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:0.6734

epoch [2/20], loss:0.6922

epoch [3/20], loss:0.2441

epoch [4/20], loss:0.1849

epoch [5/20], loss:0.1741

epoch [6/20], loss:0.1738

epoch [7/20], loss:0.1734

epoch [8/20], loss:0.1736

epoch [9/20], loss:0.1734

epoch [10/20], loss:0.1739

epoch [11/20], loss:0.1733

epoch [12/20], loss:0.1733

epoch [13/20], loss:0.1733

epoch [14/20], loss:0.1734

epoch [15/20], loss:0.1733

epoch [16/20], loss:0.1735

epoch [17/20], loss:0.1733

epoch [18/20], loss:0.1733

epoch [19/20], loss:0.1733

epoch [20/20], loss:0.1733

Training has Completed

Forward pass occurring

Forward pass completed

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STD Global Classification Results

TPR 0.971, FPR 0.003, Precision 0.980, Recall 0.971

tn 6701, fp 23, fn 34, tp 1128

std_AUROC 0.985

Mean Global Classification Results

TPR 0.934, FPR 0.010, Precision 0.944, Recall 0.934

tn 6660, fp 64, fn 77, tp 1085

mean_AUROC 0.966

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c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\Code\functions.py:302: Runtime
Warning: Mean of empty slice
    final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance acro
ss all videos
c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:18
72: RuntimeWarning: Degrees of freedom <= 0 for slice.
    var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,

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