Pose-based Tremor Classification for Parkinson's Disease Diagnosis from Video: Supplementary Materials

Table 1. Parameter Analysis: Influence of the short-range squeezing ratio b and long-range squeezing ratio d on the binary classification.

b	d	AC	SE	SP	F1
1	1	69.1 ± 6.9	71.4 ± 10.8	67.9 ± 4.7	65.7 ± 7.1
	1/2	71.9 ± 6.1	76.2 ± 10.0	69.5 ± 4.0	67.5 ± 6.9
	1/4	72.1 ± 6.0	76.6 ± 9.9	69.6 ± 3.9	67.7 ± 6.8
	1/8	72.5 ± 6.4	76.9 ± 10.8	70.1 ± 4.3	68.0 ± 7.2
	1/16	72.2 ± 6.1	76.8 ± 10.2	69.6 ± 4.0	67.8 ± 6.9
0.95	1	69.0 ± 7.0	69.1 ± 9.9	69.7 ± 4.2	67.5 ± 5.7
	1/2	72.3 ± 6.2	75.4 ± 11.8	71.2 ± 2.9	70.0 ± 5.1
	1/4	72.5 ± 6.3	73.0 ± 10.0	72.7 ± 3.3	70.7 ± 5.9
	1/8	73.1 ± 6.6	75.7 ± 11.3	72.0 ± 3.4	70.5 ± 6.2
	1/16	72.7 ± 6.3	73.5 ± 9.9	72.8 ± 3.2	70.9 ± 5.9
0.90	1	68.7 ± 6.6	68.3 ± 9.1	69.5 ± 4.3	67.2 ± 5.8
	1/2	72.2 ± 6.1	75.3 ± 11.3	70.8 ± 3.2	69.1 ± 5.8
	1/4	72.6 ± 6.4	75.6 ± 11.2	71.2 ± 3.4	70.0 ± 6.2
	1/8	**73.3 ± 6.8**	**76.1 ± 11.8**	**72.1 ± 3.5**	**70.7 ± 6.5**
	1/16	72.9 ± 6.5	75.5 ± 11.1	71.8 ± 3.3	70.3 ± 6.1
0.85	1	68.2 ± 6.6	67.6 ± 8.9	69.3 ± 4.3	66.9 ± 5.7
	1/2	72.0 ± 6.5	75.2 ± 12.6	70.1 ± 2.9	69.3 ± 5.6
	1/4	72.3 ± 6.2	75.0 ± 11.4	71.0 ± 3.2	69.3 ± 6.0
	1/8	72.8 ± 6.8	75.3 ± 12.0	71.8 ± 3.5	70.3 ± 6.5
	1/16	72.6 ± 6.6	75.2 ± 11.7	71.6 ± 3.3	70.0 ± 6.3

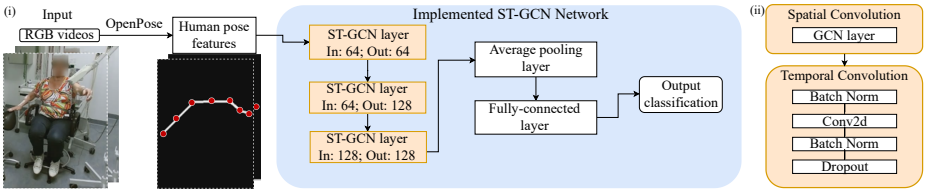

Fig. 1. Implemented ST-GCN architecture for model comparison in Section 3. (i) The overview of the framework. (ii) The design of each ST-GCN layer.

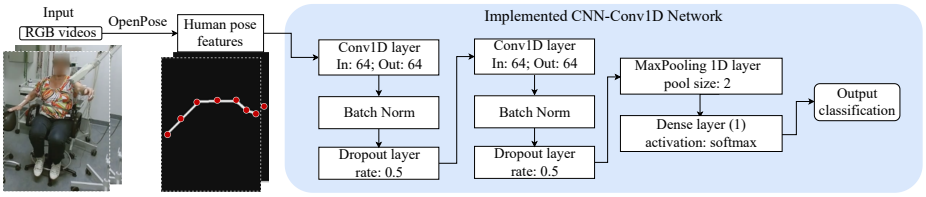

Fig. 2. Implemented CNN-Cov1D architecture for model comparison in Section 3.

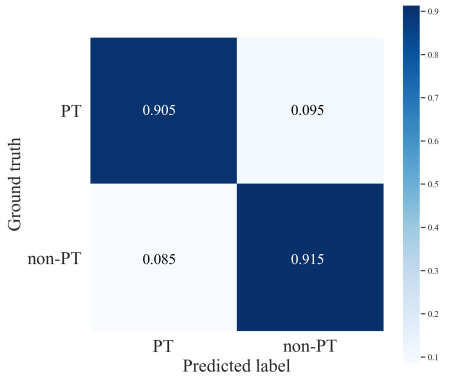

Fig. 3. Normalized confusion matrix for binary classification.

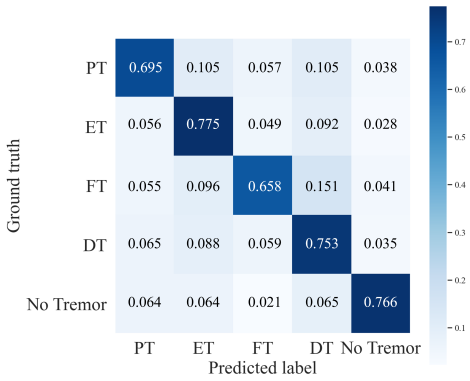

Fig. 4. Normalized confusion matrix for multiclass classification.