CRCV REU - Week 5

Real-Time Detection of School Bullying Using CCTV

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ACTIONS="kicking,kick,step_on,place_foot_on_someone" SIA analysis

Classes	Accuracy
throwing an object	33.33%
threatening behaviour	27.50%
slapping	31.25%
shoving	32.49%
rough handling	37.50%
punching	33.77%
kicking	19.23%
hitting with an object	11.96%
hitting	12.12%
group fighting	**85.00%**
group beating	**64.46%**
fighting	**55.17%**
dragging	37.50%
choking	37.04%
chasing	**71.43%**

Classes	Accuracy
throwing an object	Top1: 16.666666666666664, Top5: 50.0
threatening behaviour	**Top1: 40.0, Top5: 95.0**
slapping	Top1: 0.0, Top5: 3.125
shoving	**28.426395939086298, Top5: 89.84771573604061**
rough handling	Top1: 0.0, Top5: 58.333333333333336
punching	Top1: 0.6622516556291391, Top5: 70.86092715231787
kicking	Top1: 0.0, Top5: 11.538461538461538
hitting with an object	Top1: 0.0, Top5: 2.1739130434782608
hitting	Top1: 12.121212121212121, Top5: 81.81818181818183
group fighting	Top1: 0.0, Top5: 15.0
group beating	Top1: 2.479338842975207, Top5: 26.446280991735538
fighting	Top1: 2.479338842975207, Top5: 26.446280991735538
dragging	Top1: 2.479338842975207, Top5: 26.446280991735538
choking	Top1: 7.407407407407406, Top5: 51.85185185185185
chasing	0.0, Top5: 57.1428571428571 4

ActionClip analysis

Classes	Accuracy
throwing an object	Top1: 8.333333333333332, Top5: 41.66666666666667
threatening behaviour	**Top1: 82.5, Top5: 100.0**
slapping	Top1: 0.0, Top5: 9.375
shoving	Top1: 0.0, Top5: 25.0
rough handling	Top1: 0.0, Top5: 25.0
punching	Top1: 1.986754966887417, Top5: 17.218543046357617
kicking	Top1: 0.0, Top5: 28.205128205128204
hitting with an object	Top1: 0.0, Top5: 0.0
hitting	Top1: 0.0, Top5: 0.0
group fighting	Top1: 27.0, Top5: 97.0
group beating	**23.140495867768596, Top5: 76.85950413223141**
fighting	Top1: 0.0, Top5: 0.0
dragging	**Top1: 37.5, Top5: 87.5**
choking	Top1: 0.0, Top5: 0.0
chasing	Top1: 0.0, Top5: 85.71428571428571

