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 1 /Users/senemaktas/miniconda3/envs/FMOX/bin/python /
   Users/senemaktas/PycharmProjects/FMOXX/FMOX/FMOX-
   code/FMOX-Statistics/efficientam_evaluation.py
 2
 3 Dataset Name Falling_Object Subsequence Name
   v_box_GTgamma
 4 Sequence v_box_GTgamma has 22 frames
 5 Sequence v_box_GTgamma has 22 frames
 6 AverageScoreTracker, Finished seq v_box_GTgamma,
   avg. TIoU 0.904
 7 AVERAGES
 8 means 0.041085362949972535
 9 TIoU 0.041
10 time 0.000 seconds
11
12 Dataset Name Falling_Object Subsequence Name
   v_cell_GTgamma
13 Sequence v_cell_GTgamma has 14 frames
14 Sequence v_cell_GTgamma has 14 frames
15 AverageScoreTracker, Finished seq v_cell_GTgamma,
   avg. TIoU 0.731
16 AVERAGES
17 means 0.05220278867950419
18 TIoU 0.052
19 time 0.000 seconds
20
21 Dataset Name Falling_Object Subsequence Name
   v_key_GTgamma
22 Sequence v_key_GTgamma has 19 frames
23 Sequence v_key_GTgamma has 19 frames
24 AverageScoreTracker, Finished seq v_key_GTgamma,
   avg. TIoU 0.651
25 AVERAGES
26 means 0.03428454267880126
27 TIoU 0.034
28 time 0.000 seconds
29
30 Dataset Name Falling_Object Subsequence Name
   v_marker_GTgamma
31 Sequence v_marker_GTgamma has 11 frames
32 Sequence v_marker_GTgamma has 11 frames
```

```
33 AverageScoreTracker, Finished seq v_marker_GTgamma
   , avg. TIoU 0.799
34 AVERAGES
35 means 0.0726359778166747
36 TIoU 0.073
37 time 0.000 seconds
38
39 Dataset Name Falling_Object Subsequence Name
   v_pen_GTgamma
40 Sequence v_pen_GTgamma has 13 frames
41 Sequence v_pen_GTgamma has 13 frames
42 AverageScoreTracker, Finished seq v_pen_GTgamma,
   avg. TIoU 0.557
43 AVERAGES
44 means 0.042878038775844986
45 TIoU 0.043
46 time 0.000 seconds
47
48 Dataset Name Falling_Object Subsequence Name
   v_rubber_GTgamma
49 Sequence v_rubber_GTgamma has 15 frames
50 Sequence v_rubber_GTgamma has 15 frames
51 AverageScoreTracker, Finished seq v_rubber_GTgamma
   , avg. TIoU 0.614
52 AVERAGES
53 means 0.04090025477652335
54 TIoU 0.041
55 time 0.000 seconds
56
57 Dataset Name TbD-3D Subsequence Name
   HighFPS_GT_depth2
58 Sequence HighFPS_GT_depth2 has 48 frames
59 Sequence HighFPS_GT_depth2 has 48 frames
60 AverageScoreTracker, Finished seq HighFPS_GT_depth2
   , avg. TIoU 0.861
61 AVERAGES
62 means 0.01793283463985019
63 TIoU 0.018
64 time 0.000 seconds
65
66 Dataset Name TbD-3D Subsequence Name
```

```
66 HighFPS_GT_depthb2
67 Sequence HighFPS_GT_depthb2 has 81 frames
68 Sequence HighFPS_GT_depthb2 has 81 frames
69 AverageScoreTracker, Finished seq
   HighFPS_GT_depthb2, avg. TIoU 0.823
70 AVERAGES
71 means 0.0101647461109446653
72 TIoU 0.010
73 time 0.000 seconds
74
75 Dataset Name TbD-3D Subsequence Name
   HighFPS_GT_depthf1
76 Sequence HighFPS_GT_depthf1 has 46 frames
77 Sequence HighFPS_GT_depthf1 has 46 frames
78 AverageScoreTracker, Finished seq
   HighFPS_GT_depthf1, avg. TIoU 0.833
79 AVERAGES
80 means 0.018114315956581337
81 TIoU 0.018
82 time 0.000 seconds
83
84 Dataset Name TbD-3D Subsequence Name
   HighFPS_GT_depthf2
85 Sequence HighFPS_GT_depthf2 has 50 frames
86 Sequence HighFPS_GT_depthf2 has 50 frames
87 AverageScoreTracker, Finished seq
   HighFPS_GT_depthf2, avg. TIoU 0.816
88 AVERAGES
89 means 0.01631232645438744
90 TIoU 0.016
91 time 0.000 seconds
92
93 Dataset Name TbD-3D Subsequence Name
   HighFPS_GT_depthf3
94 Sequence HighFPS_GT_depthf3 has 37 frames
95 Sequence HighFPS_GT_depthf3 has 37 frames
96 AverageScoreTracker, Finished seq
   HighFPS_GT_depthf3, avg. TIoU 0.816
97 AVERAGES
98 means 0.022041872326950015
99 TIoU 0.022
```

```
100 time 0.000 seconds
101
102 Dataset Name TbD-3D Subsequence Name
    HighFPS_GT_out1
103 Sequence HighFPS_GT_out1 has 57 frames
104 Sequence HighFPS_GT_out1 has 57 frames
105 AverageScoreTracker, Finished seq HighFPS_GT_out1
    , avg. TIoU 0.900
106 AVERAGES
107 means 0.015787211925074863
108 TIoU 0.016
109 time 0.000 seconds
110
111 Dataset Name TbD-3D Subsequence Name
    HighFPS_GT_out2
112 Sequence HighFPS_GT_out2 has 50 frames
113 Sequence HighFPS_GT_out2 has 50 frames
114 AverageScoreTracker, Finished seq HighFPS_GT_out2
    , avg. TIoU 0.908
115 AVERAGES
116 means 0.018167929546310888
117 TIoU 0.018
118 time 0.000 seconds
119
120 Dataset Name TbD-3D Subsequence Name
    HighFPS_GT_outa1
121 Sequence HighFPS_GT_outa1 has 47 frames
122 Sequence HighFPS_GT_outa1 has 47 frames
123 AverageScoreTracker, Finished seq HighFPS_GT_outa1
    , avg. TIoU 0.921
124 AVERAGES
125 means 0.01959474882223029
126 TIoU 0.020
127 time 0.000 seconds
128
129 Dataset Name TbD-3D Subsequence Name
    HighFPS_GT_outb1
130 Sequence HighFPS_GT_outb1 has 41 frames
131 Sequence HighFPS_GT_outb1 has 41 frames
132 AverageScoreTracker, Finished seq HighFPS_GT_outb1
    , avg. TIoU 0.843
```

```
133 AVERAGES
134 means 0.0205622805688878773
135 TIoU 0.021
136 time 0.000 seconds
137
138 Dataset Name TbD-3D Subsequence Name
    HighFPS_GT_outf1
139 Sequence HighFPS_GT_outf1 has 60 frames
140 Sequence HighFPS_GT_outf1 has 60 frames
141 AverageScoreTracker, Finished seq HighFPS_GT_outf1
    , avg. TIoU 0.895
142 AVERAGES
143 means 0.014915888339879778
144 TIoU 0.015
145 time 0.000 seconds
146
147 Dataset Name TbD Subsequence Name
    VS_badminton_white_GX010058-8
148 Sequence VS_badminton_white_GX010058-8 has 40
    frames
149 Sequence VS_badminton_white_GX010058-8 has 40
    frames
150 AverageScoreTracker, Finished seq
    VS_badminton_white_GX010058-8, avg. TIoU 0.010
151 AVERAGES
152 means 0.00025353260177723357
153 TIoU 0.000
154 time 0.000 seconds
155
156 Dataset Name TbD Subsequence Name
    VS_badminton_yellow_GX010060-8
157 Sequence VS_badminton_yellow_GX010060-8 has 57
    frames
158 Sequence VS_badminton_yellow_GX010060-8 has 57
    frames
159 AverageScoreTracker, Finished seq
    VS_badminton_yellow_GX010060-8, avg. TIoU 0.265
160 AVERAGES
161 means 0.004654393305489361
162 TIoU 0.005
163 time 0.000 seconds
```

```
164
165 Dataset Name TbD Subsequence Name fall_cube
166 Sequence fall_cube has 20 frames
167 Sequence fall_cube has 20 frames
168 AverageScoreTracker, Finished seq fall_cube, avg.
    TIoU 0.902
169 AVERAGES
170 means 0.045086729614035856
171 TIoU 0.045
172 time 0.000 seconds
173
174 Dataset Name TbD Subsequence Name hit_tennis
175 Sequence hit_tennis has 30 frames
176 Sequence hit_tennis has 30 frames
177 AverageScoreTracker, Finished seq hit_tennis, avg
    . TIoU 0.878
178 AVERAGES
179 means 0.029257496213167273
180 TIoU 0.029
181 time 0.000 seconds
182
183 Dataset Name TbD Subsequence Name hit_tennis2
184 Sequence hit_tennis2 has 26 frames
185 Sequence hit_tennis2 has 26 frames
186 AverageScoreTracker, Finished seq hit_tennis2, avg
    . TIoU 0.094
187 AVERAGES
188 means 0.00360967646556868105
189 TIoU 0.004
190 time 0.000 seconds
191
192 Dataset Name TbD Subsequence Name
    VS_pingpong_GX010051-8
193 Sequence VS_pingpong_GX010051-8 has 58 frames
194 Sequence VS_pingpong_GX010051-8 has 58 frames
195 AverageScoreTracker, Finished seq
    VS_pingpong_GX010051-8, avg. TIoU 0.757
196 AVERAGES
197 means 0.013055153596066344
198 TIoU 0.013
199 time 0.000 seconds
```

```
200
201 Dataset Name TbD Subsequence Name VS_roll_golf-gc-
    12
202 Sequence VS_roll_golf-gc-12 has 16 frames
203 Sequence VS_roll_golf-gc-12 has 16 frames
204 AverageScoreTracker, Finished seq VS_roll_golf-gc-
    12, avg. TIoU 0.858
205 AVERAGES
206 means 0.05364093948212421
207 TIoU 0.054
208 time 0.000 seconds
209
210 Dataset Name TbD Subsequence Name
    VS_tennis_GX010073-8
211 Sequence VS_tennis_GX010073-8 has 38 frames
212 Sequence VS_tennis_GX010073-8 has 38 frames
213 AverageScoreTracker, Finished seq
    VS_tennis_GX010073-8, avg. TIoU 0.808
214 AVERAGES
215 means 0.021250688578415597
216 TIoU 0.021
217 time 0.000 seconds
218
219 Dataset Name TbD Subsequence Name throw_floor
220 Sequence throw_floor has 40 frames
221 Sequence throw_floor has 40 frames
222 AverageScoreTracker, Finished seq throw_floor, avg
    . TIoU 0.003
223 AVERAGES
224 means 8.20162953744283e-05
225 TIoU 0.000
226 time 0.000 seconds
227
228 Dataset Name TbD Subsequence Name throw_soft
229 Sequence throw_soft has 60 frames
230 Sequence throw_soft has 60 frames
231 AverageScoreTracker, Finished seq throw_soft, avg
    . TIoU 0.008
232 AVERAGES
233 means 0.00014146356694174579
234 TIoU 0.000
```

```
235 time 0.000 seconds
236
237 Dataset Name TbD Subsequence Name throw_tennis
238 Sequence throw_tennis has 45 frames
239 Sequence throw_tennis has 45 frames
240 AverageScoreTracker, Finished seq throw_tennis,
    avg. TIoU 0.003
241 AVERAGES
242 means 5.690304966556085e-05
243 TIoU 0.000
244 time 0.000 seconds
245
246 Dataset Name TbD Subsequence Name
    VS_volleyball_GX010068-12
247 Sequence VS_volleyball_GX010068-12 has 41 frames
248 Sequence VS_volleyball_GX010068-12 has 41 frames
249 AverageScoreTracker, Finished seq
    VS_volleyball_GX010068-12, avg. TIoU 0.872
250 AVERAGES
251 means 0.021267948596965056
252 TIoU 0.021
253 time 0.000 seconds
254
255 Dataset Name FMOv2 Subsequence Name atp_serves
256 Sequence atp_serves has 463 frames
257 Sequence atp_serves has 463 frames
258 AverageScoreTracker, Finished seq atp_serves, avg
    . TIoU 0.136
259 AVERAGES
260 means 0.00029271036597327806
261 TIoU 0.000
262 time 0.000 seconds
263
264 Dataset Name FMOv2 Subsequence Name blue
265 Sequence blue has 21 frames
266 Sequence blue has 21 frames
267 AverageScoreTracker, Finished seq blue, avg. TIoU
    0.775
268 AVERAGES
269 means 0.03689915398040723
270 TIoU 0.037
```

```
271 time 0.000 seconds
272
273 Dataset Name FMOv2 Subsequence Name darts1
274 Sequence darts1 has 36 frames
275 Sequence darts1 has 36 frames
276 AverageScoreTracker, Finished seq darts1, avg.
    TIoU 0.741
277 AVERAGES
278 means 0.020591807877743294
279 TIoU 0.021
280 time 0.000 seconds
281
282 Dataset Name FMOv2 Subsequence Name darts_window1
283 Sequence darts_window1 has 5 frames
284 Sequence darts_window1 has 5 frames
285 AverageScoreTracker, Finished seq darts_window1,
    avg. TIoU 0.023
286 AVERAGES
287 means 0.004588614307131746
288 TIoU 0.005
289 time 0.000 seconds
290
291 Dataset Name FMOv2 Subsequence Name frisbee
292 Sequence frisbee has 20 frames
293 Sequence frisbee has 20 frames
294 AverageScoreTracker, Finished seq frisbee, avg.
    TIoU 0.490
295 AVERAGES
296 means 0.024502426684387107
297 TIoU 0.025
298 time 0.000 seconds
299
300 Dataset Name FMOv2 Subsequence Name hockey
301 Sequence hockey has 61 frames
302 Sequence hockey has 61 frames
303 AverageScoreTracker, Finished seq hockey, avg.
    TIoU 0.528
304 AVERAGES
305 means 0.008649839491029895
306 TIoU 0.009
307 time 0.000 seconds
```

```
308
309 Dataset Name FMOv2 Subsequence Name
    ping_pong_paint
310 Sequence ping_pong_paint has 76 frames
311 Sequence ping_pong_paint has 76 frames
312 AverageScoreTracker, Finished seq ping_pong_paint
    , avg. TIoU 0.252
313 AVERAGES
314 means 0.0033151159291101655
315 TIoU 0.003
316 time 0.000 seconds
317
318 Dataset Name FMOv2 Subsequence Name ping_pong_side
319 Sequence ping_pong_side has 436 frames
320 Sequence ping_pong_side has 436 frames
321 AverageScoreTracker, Finished seq ping_pong_side,
    avg. TIoU 0.629
322 AVERAGES
323 means 0.0014418848047355838
324 TIoU 0.001
325 time 0.000 seconds
326
327 Dataset Name FMOv2 Subsequence Name ping_pong_top
328 Sequence ping_pong_top has 452 frames
329 Sequence ping_pong_top has 452 frames
330 AverageScoreTracker, Finished seq ping_pong_top,
    avg. TIoU 0.393
331 AVERAGES
332 means 0.0008699540595528596
333 TIoU 0.001
334 time 0.000 seconds
335
336 Dataset Name FMOv2 Subsequence Name softball
337 Sequence softball has 28 frames
338 Sequence softball has 28 frames
339 AverageScoreTracker, Finished seq softball, avg.
    TIoU 0.009
340 AVERAGES
341 means 0.00031649244296529506
342 TIoU 0.000
343 time 0.000 seconds
```

```
344
345 Dataset Name FMOv2 Subsequence Name squash
346 Sequence squash has 134 frames
347 Sequence squash has 134 frames
348 /Users/senemaktas/PycharmProjects/FMOXX/FMOX/FMOX-
    code/FMOX-Statistics/calciou.py:66: RuntimeWarning
    : invalid value encountered in divide
349   theta = 2*np.arccos( dists/ (2*rad) )
350 AverageScoreTracker, Finished seq squash, avg.
    TIoU nan
351 AVERAGES
352 means 0.0
353 TIoU 0.000
354 time 0.000 seconds
355
356 Dataset Name FMOv2 Subsequence Name tennis1
357 Sequence tennis1 has 64 frames
358 Sequence tennis1 has 64 frames
359 AverageScoreTracker, Finished seq tennis1, avg.
    TIoU nan
360 AVERAGES
361 means 0.0
362 TIoU 0.000
363 time 0.000 seconds
364
365 Dataset Name FMOv2 Subsequence Name tennis2
366 Sequence tennis2 has 219 frames
367 Sequence tennis2 has 219 frames
368 AverageScoreTracker, Finished seq tennis2, avg.
    TIoU 0.005
369 AVERAGES
370 means 2.5113251450053526e-05
371 TIoU 0.000
372 time 0.000 seconds
373
374 Dataset Name FMOv2 Subsequence Name
    tennis_serve_back
375 Sequence tennis_serve_back has 59 frames
376 Sequence tennis_serve_back has 59 frames
377 AverageScoreTracker, Finished seq
    tennis_serve_back, avg. TIoU 0.310
```

```
378 AVERAGES
379 means 0.005248581213512671
380 TIoU 0.005
381 time 0.000 seconds
382
383 Dataset Name FMOv2 Subsequence Name
    tennis_serve_side
384 Sequence tennis_serve_side has 18 frames
385 Sequence tennis_serve_side has 18 frames
386 AverageScoreTracker, Finished seq
    tennis_serve_side, avg. TIoU 0.818
387 AVERAGES
388 means 0.0454210408454511
389 TIoU 0.045
390 time 0.000 seconds
391
392 Dataset Name FMOv2 Subsequence Name volleyball1
393 Sequence volleyball1 has 13 frames
394 Sequence volleyball1 has 13 frames
395 AverageScoreTracker, Finished seq volleyball1, avg
    . TIoU 0.905
396 AVERAGES
397 means 0.0696122013615815
398 TIoU 0.070
399 time 0.000 seconds
400
401 Dataset Name FMOv2 Subsequence Name
    volleyball_passing
402 Sequence volleyball_passing has 66 frames
403 Sequence volleyball_passing has 66 frames
404 AverageScoreTracker, Finished seq
    volleyball_passing, avg. TIoU 0.895
405 AVERAGES
406 means 0.013565884647472343
407 TIoU 0.014
408 time 0.000 seconds
409
410 Dataset Name FMOv2 Subsequence Name william_tell
411 Sequence william_tell has 32 frames
412 Sequence william_tell has 32 frames
413 AverageScoreTracker, Finished seq william_tell,
```

```
413 avg. TIoU 0.468
414 AVERAGES
415 means 0.014627904593265944
416 TIoU 0.015
417 time 0.000 seconds
418
419 Process finished with exit code 0
420
```