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1 C:\Users\admin\.conda\envs\algo\python.exe E:/Xuexinzheng-code-20250513/对算法3DSAM-
  adapter-main/3DSAM-adapter/train.py
2 C:\Users\admin\.conda\envs\algo\lib\site-packages\tensorboard\compat\tensorflow_stub
  \dtypes.py:541: FutureWarning: Passing (type, 1) or '1type' as a synonym of type is
  deprecated; in a future version of numpy, it will be understood as (type, (1,)) / '(
  1,)type'.
3   _np_qint8 = np.dtype [("qint8", np.int8, 1)]
4 C:\Users\admin\.conda\envs\algo\lib\site-packages\tensorboard\compat\tensorflow_stub
  \dtypes.py:542: FutureWarning: Passing (type, 1) or '1type' as a synonym of type is
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5   _np_quint8 = np.dtype [("quint8", np.uint8, 1)]
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  \dtypes.py:543: FutureWarning: Passing (type, 1) or '1type' as a synonym of type is
  deprecated; in a future version of numpy, it will be understood as (type, (1,)) / '(
  1,)type'.
7   _np_qint16 = np.dtype [("qint16", np.int16, 1)]
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  deprecated; in a future version of numpy, it will be understood as (type, (1,)) / '(
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9   _np_quint16 = np.dtype [("quint16", np.uint16, 1)]
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11   _np_qint32 = np.dtype [("qint32", np.int32, 1)]
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  \dtypes.py:550: FutureWarning: Passing (type, 1) or '1type' as a synonym of type is
  deprecated; in a future version of numpy, it will be understood as (type, (1,)) / '(
  1,)type'.
13   np_resource = np.dtype [("resource", np.ubyte, 1)]
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  \dtypes.py:568: FutureWarning: In the future `np.object` will be defined as the
  corresponding NumPy scalar.
15   (np.object, string),
16 C:\Users\admin\.conda\envs\algo\lib\site-packages\tensorboard\compat\tensorflow_stub
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  \dtypes.py:568: FutureWarning: In the future `np.object` will be defined as the
  corresponding NumPy scalar.
43 (np.object, string),
44 [14:47:05.789] Namespace(batch_size=1, data='kits', data_prefix='.\data\train',
  device='cuda:0', eval_interval=1, lr=0.0004, max_epoch=50, num_classes=20,
  num_worker=0, rand_crop_size=(128, 128, 128), resume=False, snapshot_path='.\data\
  train\pred\kits', tolerance=5)
45 C:\Users\admin\.conda\envs\algo\lib\site-packages\monai\utils\deprecate_utils.py:321
  : FutureWarning: monai.transforms.croppad.dictionary CropForegroundd.__init__:
  allow_smaller: Current default value of argument `allow_smaller=True` has been
  deprecated since version 1.2. It will be changed to `allow_smaller=False` in version
  1.5.
46 warn_deprecated(argname, msg, warning_category)
47 seg: metatensor(0.)
48 [14:47:34.945] epoch: 0/50, iter: 0/7: loss:0.7791832
49 seg: metatensor(32072.)
50 [14:47:56.265] epoch: 0/50, iter: 1/7: loss:0.6378308
51 seg: metatensor(48461.)
52 [14:48:17.978] epoch: 0/50, iter: 2/7: loss:0.645494
53 seg: metatensor(34745.)
54 [14:48:45.424] epoch: 0/50, iter: 3/7: loss:0.5611414
55 seg: metatensor(47365.)
56 [14:49:06.361] epoch: 0/50, iter: 4/7: loss:0.4809942
57 seg: metatensor(56537.)
58 [14:49:36.000] epoch: 0/50, iter: 5/7: loss:0.5028211
59 seg: metatensor(0.)
60 [14:49:58.966] epoch: 0/50, iter: 6/7: loss:0.51878923
61 [14:50:00.915] - Train metrics: 0.58946484
62 seg: metatensor(49663.)

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63 Checkpoint DIrectory exists!
64 [14:50:12.838] epoch: 0/50, iter: 0/1: loss:0.95262253
65 [14:50:12.839] - Val metrics: 0.95262253
66 [14:50:14.213] - Val metrics best: 0.95262253
67 seg: metatensor(39247.)
68 [14:50:42.993] epoch: 1/50, iter: 0/7: loss:0.5057106
69 seg: metatensor(75437.)
70 [14:51:03.306] epoch: 1/50, iter: 1/7: loss:0.50635
71 seg: metatensor(63701.)
72 [14:51:32.889] epoch: 1/50, iter: 2/7: loss:0.5027136
73 seg: metatensor(47669.)
74 [14:51:56.035] epoch: 1/50, iter: 3/7: loss:0.48388135
75 seg: metatensor(68478.)
76 [14:52:19.534] epoch: 1/50, iter: 4/7: loss:0.450424
77 seg: metatensor(59189.)
78 [14:52:42.552] epoch: 1/50, iter: 5/7: loss:0.4061732
79 seg: metatensor(72984.)
80 [14:53:02.773] epoch: 1/50, iter: 6/7: loss:0.37470293
81 [14:53:03.646] - Train metrics: 0.46142226
82 seg: metatensor(49663.)
83 [14:53:15.624] epoch: 1/50, iter: 0/1: loss:0.59778917
84 [14:53:15.625] - Val metrics: 0.59778917
85 Checkpoint DIrectory exists!
86 [14:53:16.947] - Val metrics best: 0.59778917
87 seg: metatensor(48355.)
88 [14:53:46.146] epoch: 2/50, iter: 0/7: loss:0.4184383
89 seg: metatensor(4350.)
90 [14:54:08.266] epoch: 2/50, iter: 1/7: loss:0.53838354
91 seg: metatensor(55866.)
92 [14:54:27.382] epoch: 2/50, iter: 2/7: loss:0.36874637
93 seg: metatensor(0.)
94 [14:54:53.230] epoch: 2/50, iter: 3/7: loss:0.53537077
95 seg: metatensor(0.)
96 [14:55:18.996] epoch: 2/50, iter: 4/7: loss:0.5267214
97 seg: metatensor(58854.)
98 [14:55:37.753] epoch: 2/50, iter: 5/7: loss:0.596355
99 seg: metatensor(48277.)
100 [14:56:09.235] epoch: 2/50, iter: 6/7: loss:0.54711336
101 [14:56:10.058] - Train metrics: 0.504447
102 seg: metatensor(49663.)
103 [14:56:19.838] epoch: 2/50, iter: 0/1: loss:0.6795015
104 [14:56:19.839] - Val metrics: 0.6795015
105 Checkpoint DIrectory exists!
106 [14:56:20.738] - Val metrics best: 0.59778917
107 seg: metatensor(58854.)
108 [14:56:43.714] epoch: 3/50, iter: 0/7: loss:0.38852215
109 seg: metatensor(31293.)
110 [14:57:10.130] epoch: 3/50, iter: 1/7: loss:0.34577906
111 seg: metatensor(64646.)
112 [14:57:39.146] epoch: 3/50, iter: 2/7: loss:0.32913938
113 seg: metatensor(35388.)
114 [14:58:01.357] epoch: 3/50, iter: 3/7: loss:0.41879657
115 seg: metatensor(63008.)
116 [14:58:26.231] epoch: 3/50, iter: 4/7: loss:0.27378228
117 seg: metatensor(71242.)
118 [14:58:51.556] epoch: 3/50, iter: 5/7: loss:0.22881192
119 seg: metatensor(63237.)
120 [14:59:11.629] epoch: 3/50, iter: 6/7: loss:0.21653065
121 [14:59:12.379] - Train metrics: 0.31448027
122 seg: metatensor(49663.)
123 [14:59:27.571] epoch: 3/50, iter: 0/1: loss:0.40909767
124 [14:59:27.572] - Val metrics: 0.40909767
125 Checkpoint DIrectory exists!
126 [14:59:29.593] - Val metrics best: 0.40909767
127 seg: metatensor(0.)
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128 [14:59:51.810] epoch: 4/50, iter: 0/7: loss:0.5372565
129 seg: metatensor(23626.)
130 [15:00:20.328] epoch: 4/50, iter: 1/7: loss:0.5557031
131 seg: metatensor(38823.)
132 [15:00:50.683] epoch: 4/50, iter: 2/7: loss:0.45353502
133 seg: metatensor(0.)
134 [15:01:23.047] epoch: 4/50, iter: 3/7: loss:0.51468575
135 seg: metatensor(45369.)
136 [15:01:47.325] epoch: 4/50, iter: 4/7: loss:0.23401079
137 seg: metatensor(6317.)
138 [15:02:12.102] epoch: 4/50, iter: 5/7: loss:0.5333214
139 seg: metatensor(34127.)
140 [15:02:38.911] epoch: 4/50, iter: 6/7: loss:0.5207472
141 [15:02:40.572] - Train metrics: 0.4784657
142 seg: metatensor(49663.)
143 Checkpoint DIrectory exists!
144 [15:02:50.275] epoch: 4/50, iter: 0/1: loss:0.5190312
145 [15:02:50.276] - Val metrics: 0.5190312
146 [15:02:51.664] - Val metrics best: 0.40909767
147 seg: metatensor(39079.)
148 [15:03:14.331] epoch: 5/50, iter: 0/7: loss:0.5440979
149 seg: metatensor(39817.)
150 [15:03:43.527] epoch: 5/50, iter: 1/7: loss:0.30745608
151 seg: metatensor(75750.)
152 [15:04:09.836] epoch: 5/50, iter: 2/7: loss:0.4745599
153 seg: metatensor(53766.)
154 [15:04:34.296] epoch: 5/50, iter: 3/7: loss:0.44838637
155 seg: metatensor(45670.)
156 [15:05:02.533] epoch: 5/50, iter: 4/7: loss:0.26760805
157 seg: metatensor(51043.)
158 [15:05:19.326] epoch: 5/50, iter: 5/7: loss:0.2816867
159 seg: metatensor(51208.)
160 [15:05:44.171] epoch: 5/50, iter: 6/7: loss:0.57267994
161 [15:05:46.068] - Train metrics: 0.41378218
162 seg: metatensor(49663.)
163 Checkpoint DIrectory exists!
164 [15:06:00.480] epoch: 5/50, iter: 0/1: loss:0.36873752
165 [15:06:00.482] - Val metrics: 0.36873752
166 [15:06:02.549] - Val metrics best: 0.36873752
167 seg: metatensor(57932.)
168 [15:06:29.736] epoch: 6/50, iter: 0/7: loss:0.5776259
169 seg: metatensor(41213.)
170 [15:06:59.499] epoch: 6/50, iter: 1/7: loss:0.27808434
171 seg: metatensor(37247.)
172 [15:07:33.214] epoch: 6/50, iter: 2/7: loss:0.32788017
173 seg: metatensor(1993.)
174 [15:07:54.796] epoch: 6/50, iter: 3/7: loss:0.46510625
175 seg: metatensor(44476.)
176 [15:08:20.247] epoch: 6/50, iter: 4/7: loss:0.52966094
177 seg: metatensor(63237.)
178 [15:08:44.586] epoch: 6/50, iter: 5/7: loss:0.48924488
179 seg: metatensor(0.)
180 [15:09:13.525] epoch: 6/50, iter: 6/7: loss:0.5145552
181 [15:09:14.355] - Train metrics: 0.45459396
182 seg: metatensor(49645.)
183 Checkpoint DIrectory exists!
184 [15:09:26.716] epoch: 6/50, iter: 0/1: loss:0.6117823
185 [15:09:26.717] - Val metrics: 0.6117823
186 [15:09:28.150] - Val metrics best: 0.36873752
187 seg: metatensor(1043.)
188 [15:10:00.213] epoch: 7/50, iter: 0/7: loss:0.50638914
189 seg: metatensor(49126.)
190 [15:10:31.186] epoch: 7/50, iter: 1/7: loss:0.4698297
191 seg: metatensor(50383.)
192 [15:10:51.807] epoch: 7/50, iter: 2/7: loss:0.41802087
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193 seg: metatensor(62032.)
194 [15:11:14.816] epoch: 7/50, iter: 3/7: loss:0.36513272
195 seg: metatensor(76823.)
196 [15:11:35.602] epoch: 7/50, iter: 4/7: loss:0.38509426
197 seg: metatensor(86268.)
198 [15:11:58.167] epoch: 7/50, iter: 5/7: loss:0.37841582
199 seg: metatensor(57346.)
200 [15:12:21.792] epoch: 7/50, iter: 6/7: loss:0.2954105
201 [15:12:22.614] - Train metrics: 0.4026133
202 seg: metatensor(49663.)
203 [15:12:35.935] epoch: 7/50, iter: 0/1: loss:0.4157089
204 [15:12:35.936] - Val metrics: 0.4157089
205 Checkpoint Directory exists!
206 [15:12:37.346] - Val metrics best: 0.36873752
207 seg: metatensor(0.)
208 [15:13:00.873] epoch: 8/50, iter: 0/7: loss:0.5131954
209 seg: metatensor(0.)
210 [15:13:22.667] epoch: 8/50, iter: 1/7: loss:0.5035435
211 seg: metatensor(47669.)
212 [15:13:46.879] epoch: 8/50, iter: 2/7: loss:0.38747627
213 seg: metatensor(18700.)
214 [15:14:15.477] epoch: 8/50, iter: 3/7: loss:0.5558269
215 seg: metatensor(27912.)
216 [15:14:39.165] epoch: 8/50, iter: 4/7: loss:0.26390713
217 seg: metatensor(30572.)
218 [15:15:08.723] epoch: 8/50, iter: 5/7: loss:0.23487689
219 seg: metatensor(73099.)
220 [15:15:31.427] epoch: 8/50, iter: 6/7: loss:0.5255548
221 [15:15:33.262] - Train metrics: 0.4263401
222 seg: metatensor(49663.)
223 Checkpoint Directory exists!
224 [15:15:43.270] epoch: 8/50, iter: 0/1: loss:0.8913005
225 [15:15:43.271] - Val metrics: 0.8913005
226 [15:15:44.622] - Val metrics best: 0.36873752
227 seg: metatensor(41789.)
228 [15:16:11.274] epoch: 9/50, iter: 0/7: loss:0.27524477
229 seg: metatensor(24534.)
230 [15:16:31.464] epoch: 9/50, iter: 1/7: loss:0.565524
231 seg: metatensor(41750.)
232 [15:16:56.656] epoch: 9/50, iter: 2/7: loss:0.2430599
233 seg: metatensor(27784.)
234 [15:17:18.933] epoch: 9/50, iter: 3/7: loss:0.47726706
235 seg: metatensor(90354.)
236 [15:17:42.715] epoch: 9/50, iter: 4/7: loss:0.63234615
237 seg: metatensor(53446.)
238 [15:18:04.615] epoch: 9/50, iter: 5/7: loss:0.27826542
239 seg: metatensor(53766.)
240 [15:18:27.509] epoch: 9/50, iter: 6/7: loss:0.42518982
241 [15:18:28.243] - Train metrics: 0.41384244
242 seg: metatensor(49663.)
243 [15:18:39.324] epoch: 9/50, iter: 0/1: loss:0.6384913
244 [15:18:39.325] - Val metrics: 0.6384913
245 Checkpoint Directory exists!
246 [15:18:40.745] - Val metrics best: 0.36873752
247 seg: metatensor(41789.)
248 [15:19:01.778] epoch: 10/50, iter: 0/7: loss:0.35406464
249 seg: metatensor(63237.)
250 [15:19:28.826] epoch: 10/50, iter: 1/7: loss:0.26467004
251 seg: metatensor(32988.)
252 [15:19:53.020] epoch: 10/50, iter: 2/7: loss:0.4743347
253 seg: metatensor(2965.)
254 [15:20:15.719] epoch: 10/50, iter: 3/7: loss:0.5154954
255 seg: metatensor(0.)
256 [15:20:42.048] epoch: 10/50, iter: 4/7: loss:0.51460254
257 seg: metatensor(0.)
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258 [15:21:15.025] epoch: 10/50, iter: 5/7: loss:0.52428144
259 seg: metatensor(42312.)
260 [15:21:39.320] epoch: 10/50, iter: 6/7: loss:0.35841307
261 [15:21:41.542] - Train metrics: 0.42940885
262 seg: metatensor(49663.)
263 [15:21:51.103] epoch: 10/50, iter: 0/1: loss:0.92123806
264 [15:21:51.104] - Val metrics: 0.92123806
265 Checkpoint Directory exists!
266 [15:21:52.526] - Val metrics best: 0.36873752
267 seg: metatensor(0.)
268 [15:22:21.921] epoch: 11/50, iter: 0/7: loss:0.5033999
269 seg: metatensor(86032.)
270 [15:22:44.257] epoch: 11/50, iter: 1/7: loss:0.41533753
271 seg: metatensor(0.)
272 [15:23:04.372] epoch: 11/50, iter: 2/7: loss:0.50661904
273 seg: metatensor(0.)
274 [15:23:23.633] epoch: 11/50, iter: 3/7: loss:0.5083113
275 seg: metatensor(39884.)
276 [15:23:57.073] epoch: 11/50, iter: 4/7: loss:0.27426898
277 seg: metatensor(0.)
278 [15:24:20.216] epoch: 11/50, iter: 5/7: loss:0.51696986
279 seg: metatensor(0.)
280 [15:24:47.695] epoch: 11/50, iter: 6/7: loss:0.5217617
281 [15:24:49.063] - Train metrics: 0.46380976
282 seg: metatensor(49663.)
283 Checkpoint Directory exists!
284 [15:25:02.160] epoch: 11/50, iter: 0/1: loss:0.35397232
285 [15:25:02.161] - Val metrics: 0.35397232
286 [15:25:04.260] - Val metrics best: 0.35397232
287 seg: metatensor(32709.)
288 [15:25:36.774] epoch: 12/50, iter: 0/7: loss:0.52923965
289 seg: metatensor(48355.)
290 [15:25:54.688] epoch: 12/50, iter: 1/7: loss:0.2610589
291 seg: metatensor(0.)
292 [15:26:23.779] epoch: 12/50, iter: 2/7: loss:0.51875526
293 seg: metatensor(36932.)
294 [15:26:52.966] epoch: 12/50, iter: 3/7: loss:0.31655154
295 seg: metatensor(35110.)
296 [15:27:23.174] epoch: 12/50, iter: 4/7: loss:0.26744652
297 seg: metatensor(1994.)
298 [15:27:45.217] epoch: 12/50, iter: 5/7: loss:0.48358053
299 seg: metatensor(32821.)
300 [15:28:09.065] epoch: 12/50, iter: 6/7: loss:0.33437347
301 [15:28:11.326] - Train metrics: 0.38728657
302 seg: metatensor(49663.)
303 Checkpoint Directory exists!
304 [15:28:21.218] epoch: 12/50, iter: 0/1: loss:0.3360073
305 [15:28:21.219] - Val metrics: 0.3360073
306 [15:28:23.230] - Val metrics best: 0.3360073
307 seg: metatensor(38081.)
308 [15:28:48.283] epoch: 13/50, iter: 0/7: loss:0.27383634
309 seg: metatensor(855.)
310 [15:29:16.017] epoch: 13/50, iter: 1/7: loss:0.50360024
311 seg: metatensor(67661.)
312 [15:29:45.236] epoch: 13/50, iter: 2/7: loss:0.30048412
313 seg: metatensor(0.)
314 [15:30:09.968] epoch: 13/50, iter: 3/7: loss:0.53318727
315 seg: metatensor(30465.)
316 [15:30:31.913] epoch: 13/50, iter: 4/7: loss:0.5830049
317 seg: metatensor(33729.)
318 [15:30:57.009] epoch: 13/50, iter: 5/7: loss:0.46531653
319 seg: metatensor(48786.)
320 [15:31:21.838] epoch: 13/50, iter: 6/7: loss:0.20648977
321 [15:31:23.222] - Train metrics: 0.409417
322 seg: metatensor(49222.)
```

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323 [15:31:34.057] epoch: 13/50, iter: 0/1: loss:0.43809903
324 [15:31:34.058] - Val metrics: 0.43809903
325 Checkpoint Directory exists!
326 [15:31:35.503] - Val metrics best: 0.3360073
327 seg: metatensor(40004.)
328 [15:32:01.292] epoch: 14/50, iter: 0/7: loss:0.27129236
329 seg: metatensor(61307.)
330 [15:32:28.409] epoch: 14/50, iter: 1/7: loss:0.33183053
331 seg: metatensor(36865.)
332 [15:32:54.201] epoch: 14/50, iter: 2/7: loss:0.42682552
333 seg: metatensor(59848.)
334 [15:33:16.156] epoch: 14/50, iter: 3/7: loss:0.29141694
335 seg: metatensor(58854.)
336 [15:33:39.266] epoch: 14/50, iter: 4/7: loss:0.44587457
337 seg: metatensor(39311.)
338 [15:34:09.745] epoch: 14/50, iter: 5/7: loss:0.32133374
339 seg: metatensor(72134.)
340 [15:34:41.111] epoch: 14/50, iter: 6/7: loss:0.37085953
341 [15:34:42.513] - Train metrics: 0.35134763
342 seg: metatensor(49663.)
343 Checkpoint Directory exists!
344 [15:34:55.363] epoch: 14/50, iter: 0/1: loss:0.7225272
345 [15:34:55.364] - Val metrics: 0.7225272
346 [15:34:56.789] - Val metrics best: 0.3360073
347 seg: metatensor(28722.)
348 [15:35:25.826] epoch: 15/50, iter: 0/7: loss:0.37966552
349 seg: metatensor(44089.)
350 [15:35:46.650] epoch: 15/50, iter: 1/7: loss:0.2513767
351 seg: metatensor(0.)
352 [15:36:09.869] epoch: 15/50, iter: 2/7: loss:0.5113722
353 seg: metatensor(70243.)
354 [15:36:33.039] epoch: 15/50, iter: 3/7: loss:0.57743275
355 seg: metatensor(63237.)
356 [15:36:59.412] epoch: 15/50, iter: 4/7: loss:0.5156172
357 seg: metatensor(47501.)
358 [15:37:24.110] epoch: 15/50, iter: 5/7: loss:0.4620571
359 seg: metatensor(84100.)
360 [15:37:48.260] epoch: 15/50, iter: 6/7: loss:0.42775416
361 [15:37:49.620] - Train metrics: 0.44646794
362 seg: metatensor(49663.)
363 [15:38:02.662] epoch: 15/50, iter: 0/1: loss:0.5690838
364 [15:38:02.663] - Val metrics: 0.5690838
365 Checkpoint Directory exists!
366 [15:38:04.058] - Val metrics best: 0.3360073
367 seg: metatensor(0.)
368 [15:38:27.860] epoch: 16/50, iter: 0/7: loss:0.5227347
369 seg: metatensor(47549.)
370 [15:38:50.597] epoch: 16/50, iter: 1/7: loss:0.4158932
371 seg: metatensor(8662.)
372 [15:39:10.162] epoch: 16/50, iter: 2/7: loss:0.51164055
373 seg: metatensor(0.)
374 [15:39:34.063] epoch: 16/50, iter: 3/7: loss:0.5533999
375 seg: metatensor(65233.)
376 [15:39:57.602] epoch: 16/50, iter: 4/7: loss:0.33766872
377 seg: metatensor(0.)
378 [15:40:23.559] epoch: 16/50, iter: 5/7: loss:0.54731023
379 seg: metatensor(33017.)
380 [15:40:50.958] epoch: 16/50, iter: 6/7: loss:0.3628182
381 [15:40:53.496] - Train metrics: 0.46449503
382 seg: metatensor(49460.)
383 [15:41:02.991] epoch: 16/50, iter: 0/1: loss:0.52577806
384 [15:41:02.992] - Val metrics: 0.52577806
385 Checkpoint Directory exists!
386 [15:41:03.898] - Val metrics best: 0.3360073
387 seg: metatensor(3176.)
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388 [15:41:29.029] epoch: 17/50, iter: 0/7: loss:0.52110404
389 seg: metatensor(86775.)
390 [15:41:49.911] epoch: 17/50, iter: 1/7: loss:0.40276712
391 seg: metatensor(69069.)
392 [15:42:17.761] epoch: 17/50, iter: 2/7: loss:0.54961234
393 seg: metatensor(48355.)
394 [15:42:46.039] epoch: 17/50, iter: 3/7: loss:0.29121935
395 seg: metatensor(47290.)
396 [15:43:14.881] epoch: 17/50, iter: 4/7: loss:0.30272314
397 seg: metatensor(0.)
398 [15:43:38.751] epoch: 17/50, iter: 5/7: loss:0.50785166
399 seg: metatensor(51691.)
400 [15:44:05.010] epoch: 17/50, iter: 6/7: loss:0.2259846
401 [15:44:06.309] - Train metrics: 0.4001803
402 seg: metatensor(49643.)
403 [15:44:12.913] epoch: 17/50, iter: 0/1: loss:0.4666496
404 [15:44:12.914] - Val metrics: 0.4666496
405 Checkpoint Directory exists!
406 [15:44:14.418] - Val metrics best: 0.3360073
407 seg: metatensor(45007.)
408 [15:44:40.097] epoch: 18/50, iter: 0/7: loss:0.5942386
409 seg: metatensor(73233.)
410 [15:45:11.229] epoch: 18/50, iter: 1/7: loss:0.5206877
411 seg: metatensor(0.)
412 [15:45:33.754] epoch: 18/50, iter: 2/7: loss:0.52320397
413 seg: metatensor(49771.)
414 [15:45:51.962] epoch: 18/50, iter: 3/7: loss:0.24181727
415 seg: metatensor(0.)
416 [15:46:17.583] epoch: 18/50, iter: 4/7: loss:0.5466926
417 seg: metatensor(49975.)
418 [15:46:40.969] epoch: 18/50, iter: 5/7: loss:0.2598555
419 seg: metatensor(45670.)
420 [15:47:04.967] epoch: 18/50, iter: 6/7: loss:0.27337787
421 [15:47:07.236] - Train metrics: 0.42283908
422 seg: metatensor(49663.)
423 Checkpoint Directory exists!
424 [15:47:22.773] epoch: 18/50, iter: 0/1: loss:0.3594795
425 [15:47:22.774] - Val metrics: 0.3594795
426 [15:47:24.217] - Val metrics best: 0.3360073
427 seg: metatensor(45073.)
428 [15:47:49.593] epoch: 19/50, iter: 0/7: loss:0.4256449
429 seg: metatensor(37537.)
430 [15:48:08.735] epoch: 19/50, iter: 1/7: loss:0.21839155
431 seg: metatensor(45670.)
432 [15:48:36.937] epoch: 19/50, iter: 2/7: loss:0.2068849
433 seg: metatensor(56928.)
434 [15:49:05.131] epoch: 19/50, iter: 3/7: loss:0.4186295
435 seg: metatensor(82443.)
436 [15:49:27.518] epoch: 19/50, iter: 4/7: loss:0.6429615
437 seg: metatensor(0.)
438 [15:49:50.806] epoch: 19/50, iter: 5/7: loss:0.52054435
439 seg: metatensor(78104.)
440 [15:50:16.655] epoch: 19/50, iter: 6/7: loss:0.24848276
441 [15:50:19.000] - Train metrics: 0.38307709
442 seg: metatensor(49663.)
443 Checkpoint Directory exists!
444 [15:50:32.712] epoch: 19/50, iter: 0/1: loss:0.4829113
445 [15:50:32.712] - Val metrics: 0.4829113
446 [15:50:34.091] - Val metrics best: 0.3360073
447 seg: metatensor(1704.)
448 [15:50:55.984] epoch: 20/50, iter: 0/7: loss:0.5439794
449 seg: metatensor(24333.)
450 [15:51:26.524] epoch: 20/50, iter: 1/7: loss:0.5284424
451 seg: metatensor(0.)
452 [15:51:53.665] epoch: 20/50, iter: 2/7: loss:0.5343521
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453 seg: metatensor(0.)
454 [15:52:16.032] epoch: 20/50, iter: 3/7: loss:0.5282444
455 seg: metatensor(55453.)
456 [15:52:36.939] epoch: 20/50, iter: 4/7: loss:0.25074068
457 seg: metatensor(30343.)
458 [15:52:57.415] epoch: 20/50, iter: 5/7: loss:0.38634384
459 seg: metatensor(41789.)
460 [15:53:25.899] epoch: 20/50, iter: 6/7: loss:0.26903564
461 [15:53:27.241] - Train metrics: 0.43444833
462 seg: metatensor(46693.)
463 [15:53:37.095] epoch: 20/50, iter: 0/1: loss:0.4908734
464 [15:53:37.096] - Val metrics: 0.4908734
465 Checkpoint Directory exists!
466 [15:53:38.452] - Val metrics best: 0.3360073
467 seg: metatensor(9579.)
468 [15:53:58.985] epoch: 21/50, iter: 0/7: loss:0.5142044
469 seg: metatensor(78965.)
470 [15:54:26.275] epoch: 21/50, iter: 1/7: loss:0.37560734
471 seg: metatensor(0.)
472 [15:54:47.731] epoch: 21/50, iter: 2/7: loss:0.5028513
473 seg: metatensor(47779.)
474 [15:55:12.965] epoch: 21/50, iter: 3/7: loss:0.30249244
475 seg: metatensor(37029.)
476 [15:55:36.229] epoch: 21/50, iter: 4/7: loss:0.36387634
477 seg: metatensor(29479.)
478 [15:56:01.682] epoch: 21/50, iter: 5/7: loss:0.28426808
479 seg: metatensor(53031.)
480 [15:56:31.939] epoch: 21/50, iter: 6/7: loss:0.21392271
481 [15:56:34.456] - Train metrics: 0.36531752
482 seg: metatensor(49663.)
483 [15:56:46.749] epoch: 21/50, iter: 0/1: loss:0.40087587
484 [15:56:46.750] - Val metrics: 0.40087587
485 Checkpoint Directory exists!
486 [15:56:48.044] - Val metrics best: 0.3360073
487 seg: metatensor(79992.)
488 [15:57:09.918] epoch: 22/50, iter: 0/7: loss:0.5599725
489 seg: metatensor(64435.)
490 [15:57:40.893] epoch: 22/50, iter: 1/7: loss:0.29554942
491 seg: metatensor(43929.)
492 [15:58:12.582] epoch: 22/50, iter: 2/7: loss:0.22385506
493 seg: metatensor(48355.)
494 [15:58:36.003] epoch: 22/50, iter: 3/7: loss:0.27515513
495 seg: metatensor(30466.)
496 [15:59:05.671] epoch: 22/50, iter: 4/7: loss:0.48701537
497 seg: metatensor(18926.)
498 [15:59:30.243] epoch: 22/50, iter: 5/7: loss:0.21793945
499 seg: metatensor(73473.)
500 [15:59:54.425] epoch: 22/50, iter: 6/7: loss:0.262455
501 [15:59:55.735] - Train metrics: 0.331706
502 seg: metatensor(49460.)
503 [16:00:07.446] epoch: 22/50, iter: 0/1: loss:0.38348228
504 [16:00:07.447] - Val metrics: 0.38348228
505 Checkpoint Directory exists!
506 [16:00:08.799] - Val metrics best: 0.3360073
507 seg: metatensor(68845.)
508 [16:00:34.789] epoch: 23/50, iter: 0/7: loss:0.52557445
509 seg: metatensor(53847.)
510 [16:01:02.807] epoch: 23/50, iter: 1/7: loss:0.3005748
511 seg: metatensor(46062.)
512 [16:01:27.301] epoch: 23/50, iter: 2/7: loss:0.2074542
513 seg: metatensor(63237.)
514 [16:02:03.267] epoch: 23/50, iter: 3/7: loss:0.18264093
515 seg: metatensor(61660.)
516 [16:02:32.308] epoch: 23/50, iter: 4/7: loss:0.23801735
517 seg: metatensor(77842.)
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518 [16:02:53.054] epoch: 23/50, iter: 5/7: loss:0.23561409
519 seg: metatensor(42364.)
520 [16:03:16.045] epoch: 23/50, iter: 6/7: loss:0.33906016
521 [16:03:17.449] - Train metrics: 0.289848
522 seg: metatensor(49663.)
523 [16:03:27.751] epoch: 23/50, iter: 0/1: loss:0.37968427
524 [16:03:27.751] - Val metrics: 0.37968427
525 Checkpoint Directory exists!
526 [16:03:29.673] - Val metrics best: 0.3360073
527 seg: metatensor(32072.)
528 [16:03:54.724] epoch: 24/50, iter: 0/7: loss:0.34331647
529 seg: metatensor(44065.)
530 [16:04:23.706] epoch: 24/50, iter: 1/7: loss:0.24109785
531 seg: metatensor(41789.)
532 [16:04:54.891] epoch: 24/50, iter: 2/7: loss:0.2838127
533 seg: metatensor(35821.)
534 [16:05:17.435] epoch: 24/50, iter: 3/7: loss:0.53864735
535 seg: metatensor(0.)
536 [16:05:41.510] epoch: 24/50, iter: 4/7: loss:0.5391254
537 seg: metatensor(63237.)
538 [16:06:00.347] epoch: 24/50, iter: 5/7: loss:0.25165617
539 seg: metatensor(0.)
540 [16:06:24.959] epoch: 24/50, iter: 6/7: loss:0.5100113
541 [16:06:26.292] - Train metrics: 0.38680962
542 seg: metatensor(49602.)
543 Checkpoint Directory exists!
544 [16:06:42.913] epoch: 24/50, iter: 0/1: loss:0.4060864
545 [16:06:42.914] - Val metrics: 0.4060864
546 [16:06:44.286] - Val metrics best: 0.3360073
547 seg: metatensor(34595.)
548 [16:07:09.216] epoch: 25/50, iter: 0/7: loss:0.23130208
549 seg: metatensor(70166.)
550 [16:07:27.475] epoch: 25/50, iter: 1/7: loss:0.2336466
551 seg: metatensor(0.)
552 [16:07:47.530] epoch: 25/50, iter: 2/7: loss:0.51416165
553 seg: metatensor(53018.)
554 [16:08:16.443] epoch: 25/50, iter: 3/7: loss:0.26481733
555 seg: metatensor(39107.)
556 [16:08:49.734] epoch: 25/50, iter: 4/7: loss:0.42451826
557 seg: metatensor(61262.)
558 [16:09:16.127] epoch: 25/50, iter: 5/7: loss:0.24005008
559 seg: metatensor(74373.)
560 [16:09:44.741] epoch: 25/50, iter: 6/7: loss:0.22779289
561 [16:09:46.017] - Train metrics: 0.30518413
562 seg: metatensor(49222.)
563 [16:09:59.440] epoch: 25/50, iter: 0/1: loss:0.4318213
564 [16:09:59.440] - Val metrics: 0.4318213
565 Checkpoint Directory exists!
566 [16:10:00.887] - Val metrics best: 0.3360073
567 seg: metatensor(64884.)
568 [16:10:29.173] epoch: 26/50, iter: 0/7: loss:0.41767418
569 seg: metatensor(73408.)
570 [16:10:52.340] epoch: 26/50, iter: 1/7: loss:0.19746552
571 seg: metatensor(35752.)
572 [16:11:17.103] epoch: 26/50, iter: 2/7: loss:0.2805832
573 seg: metatensor(28282.)
574 [16:11:42.815] epoch: 26/50, iter: 3/7: loss:0.2982638
575 seg: metatensor(32273.)
576 [16:12:05.563] epoch: 26/50, iter: 4/7: loss:0.30938601
577 seg: metatensor(47669.)
578 [16:12:29.342] epoch: 26/50, iter: 5/7: loss:0.2859485
579 seg: metatensor(23432.)
580 [16:12:59.926] epoch: 26/50, iter: 6/7: loss:0.5743186
581 [16:13:02.282] - Train metrics: 0.33766285
582 seg: metatensor(49663.)
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583 [16:13:17.978] epoch: 26/50, iter: 0/1: loss:0.37560284
584 [16:13:17.979] - Val metrics: 0.37560284
585 Checkpoint DIrectory exists!
586 [16:13:19.375] - Val metrics best: 0.3360073
587 seg: metatensor(43036.)
588 [16:13:43.931] epoch: 27/50, iter: 0/7: loss:0.33947936
589 seg: metatensor(47669.)
590 [16:14:16.308] epoch: 27/50, iter: 1/7: loss:0.22217427
591 seg: metatensor(45975.)
592 [16:14:47.856] epoch: 27/50, iter: 2/7: loss:0.4740999
593 seg: metatensor(58663.)
594 [16:15:17.494] epoch: 27/50, iter: 3/7: loss:0.34174997
595 seg: metatensor(18683.)
596 [16:15:34.392] epoch: 27/50, iter: 4/7: loss:0.32210806
597 seg: metatensor(6555.)
598 [16:16:03.289] epoch: 27/50, iter: 5/7: loss:0.56970024
599 seg: metatensor(46620.)
600 [16:16:24.931] epoch: 27/50, iter: 6/7: loss:0.22322686
601 [16:16:26.274] - Train metrics: 0.35607693
602 seg: metatensor(49663.)
603 Checkpoint DIrectory exists!
604 [16:16:40.153] epoch: 27/50, iter: 0/1: loss:0.37235427
605 [16:16:40.154] - Val metrics: 0.37235427
606 [16:16:41.092] - Val metrics best: 0.3360073
607 seg: metatensor(53031.)
608 [16:17:01.810] epoch: 28/50, iter: 0/7: loss:0.19810273
609 seg: metatensor(38801.)
610 [16:17:31.017] epoch: 28/50, iter: 1/7: loss:0.3918015
611 seg: metatensor(46527.)
612 [16:17:50.201] epoch: 28/50, iter: 2/7: loss:0.36017132
613 seg: metatensor(65872.)
614 [16:18:11.626] epoch: 28/50, iter: 3/7: loss:0.22156048
615 seg: metatensor(48022.)
616 [16:18:30.732] epoch: 28/50, iter: 4/7: loss:0.27316886
617 seg: metatensor(61307.)
618 [16:19:00.878] epoch: 28/50, iter: 5/7: loss:0.53492296
619 seg: metatensor(41789.)
620 [16:19:33.056] epoch: 28/50, iter: 6/7: loss:0.3381862
621 [16:19:34.437] - Train metrics: 0.33113056
622 seg: metatensor(49663.)
623 [16:19:48.155] epoch: 28/50, iter: 0/1: loss:0.39865142
624 [16:19:48.156] - Val metrics: 0.39865142
625 Checkpoint DIrectory exists!
626 [16:19:49.430] - Val metrics best: 0.3360073
627 seg: metatensor(93139.)
628 [16:20:14.986] epoch: 29/50, iter: 0/7: loss:0.3597548
629 seg: metatensor(0.)
630 [16:20:42.124] epoch: 29/50, iter: 1/7: loss:0.5299507
631 seg: metatensor(0.)
632 [16:21:04.815] epoch: 29/50, iter: 2/7: loss:0.55135787
633 seg: metatensor(51233.)
634 [16:21:29.545] epoch: 29/50, iter: 3/7: loss:0.23496516
635 seg: metatensor(0.)
636 [16:22:00.613] epoch: 29/50, iter: 4/7: loss:0.5430931
637 seg: metatensor(56326.)
638 [16:22:22.256] epoch: 29/50, iter: 5/7: loss:0.21393429
639 seg: metatensor(53352.)
640 [16:22:49.442] epoch: 29/50, iter: 6/7: loss:0.3753407
641 [16:22:50.728] - Train metrics: 0.40119952
642 seg: metatensor(49663.)
643 [16:23:00.896] epoch: 29/50, iter: 0/1: loss:0.38005513
644 [16:23:00.897] - Val metrics: 0.38005513
645 Checkpoint DIrectory exists!
646 [16:23:02.260] - Val metrics best: 0.3360073
647 seg: metatensor(88878.)
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648 [16:23:24.152] epoch: 30/50, iter: 0/7: loss:0.2970882
649 seg: metatensor(37553.)
650 [16:23:46.862] epoch: 30/50, iter: 1/7: loss:0.21373235
651 seg: metatensor(2314.)
652 [16:24:15.579] epoch: 30/50, iter: 2/7: loss:0.4806716
653 seg: metatensor(54010.)
654 [16:24:41.444] epoch: 30/50, iter: 3/7: loss:0.2064065
655 seg: metatensor(40102.)
656 [16:25:08.272] epoch: 30/50, iter: 4/7: loss:0.5148643
657 seg: metatensor(63237.)
658 [16:25:33.023] epoch: 30/50, iter: 5/7: loss:0.2214482
659 seg: metatensor(3436.)
660 [16:25:58.999] epoch: 30/50, iter: 6/7: loss:0.5167969
661 [16:26:00.395] - Train metrics: 0.350144
662 seg: metatensor(49663.)
663 [16:26:10.039] epoch: 30/50, iter: 0/1: loss:0.45048338
664 [16:26:10.040] - Val metrics: 0.45048338
665 Checkpoint Directory exists!
666 [16:26:11.429] - Val metrics best: 0.3360073
667 seg: metatensor(57897.)
668 [16:26:30.615] epoch: 31/50, iter: 0/7: loss:0.2892977
669 seg: metatensor(51691.)
670 [16:27:00.548] epoch: 31/50, iter: 1/7: loss:0.26362166
671 seg: metatensor(6024.)
672 [16:27:20.840] epoch: 31/50, iter: 2/7: loss:0.55772084
673 seg: metatensor(30819.)
674 [16:27:45.675] epoch: 31/50, iter: 3/7: loss:0.4085408
675 seg: metatensor(83100.)
676 [16:28:12.836] epoch: 31/50, iter: 4/7: loss:0.28244108
677 seg: metatensor(0.)
678 [16:28:31.717] epoch: 31/50, iter: 5/7: loss:0.5042736
679 seg: metatensor(45640.)
680 [16:28:57.985] epoch: 31/50, iter: 6/7: loss:0.20078182
681 [16:28:59.439] - Train metrics: 0.3580968
682 seg: metatensor(49460.)
683 [16:29:11.658] epoch: 31/50, iter: 0/1: loss:0.36826384
684 [16:29:11.659] - Val metrics: 0.36826384
685 Checkpoint Directory exists!
686 [16:29:12.571] - Val metrics best: 0.3360073
687 seg: metatensor(73472.)
688 [16:29:31.404] epoch: 32/50, iter: 0/7: loss:0.2103278
689 seg: metatensor(58854.)
690 [16:29:49.854] epoch: 32/50, iter: 1/7: loss:0.24391899
691 seg: metatensor(46605.)
692 [16:30:18.050] epoch: 32/50, iter: 2/7: loss:0.26722896
693 seg: metatensor(55004.)
694 [16:30:51.014] epoch: 32/50, iter: 3/7: loss:0.27800742
695 seg: metatensor(656.)
696 [16:31:13.266] epoch: 32/50, iter: 4/7: loss:0.5467569
697 seg: metatensor(0.)
698 [16:31:40.095] epoch: 32/50, iter: 5/7: loss:0.5280541
699 seg: metatensor(0.)
700 [16:32:04.110] epoch: 32/50, iter: 6/7: loss:0.51741546
701 [16:32:05.317] - Train metrics: 0.37024423
702 seg: metatensor(49663.)
703 Checkpoint Directory exists!
704 [16:32:20.772] epoch: 32/50, iter: 0/1: loss:0.37401706
705 [16:32:20.773] - Val metrics: 0.37401706
706 [16:32:22.150] - Val metrics best: 0.3360073
707 seg: metatensor(51738.)
708 [16:32:43.467] epoch: 33/50, iter: 0/7: loss:0.33864412
709 seg: metatensor(0.)
710 [16:33:15.748] epoch: 33/50, iter: 1/7: loss:0.5354618
711 seg: metatensor(31397.)
712 [16:33:40.214] epoch: 33/50, iter: 2/7: loss:0.42083415
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713 seg: metatensor(87819.)
714 [16:34:05.186] epoch: 33/50, iter: 3/7: loss:0.19112007
715 seg: metatensor(51691.)
716 [16:34:36.374] epoch: 33/50, iter: 4/7: loss:0.28392684
717 seg: metatensor(48355.)
718 [16:35:00.859] epoch: 33/50, iter: 5/7: loss:0.2328844
719 seg: metatensor(59455.)
720 [16:35:26.093] epoch: 33/50, iter: 6/7: loss:0.22836815
721 [16:35:28.522] - Train metrics: 0.3187485
722 seg: metatensor(49260.)
723 [16:35:42.991] epoch: 33/50, iter: 0/1: loss:0.36153275
724 [16:35:42.992] - Val metrics: 0.36153275
725 Checkpoint DIrectory exists!
726 [16:35:44.389] - Val metrics best: 0.3360073
727 seg: metatensor(67694.)
728 [16:36:16.278] epoch: 34/50, iter: 0/7: loss:0.21308404
729 seg: metatensor(71538.)
730 [16:36:43.766] epoch: 34/50, iter: 1/7: loss:0.30235565
731 seg: metatensor(0.)
732 [16:37:07.962] epoch: 34/50, iter: 2/7: loss:0.5385219
733 seg: metatensor(37929.)
734 [16:37:37.396] epoch: 34/50, iter: 3/7: loss:0.24920245
735 seg: metatensor(0.)
736 [16:37:57.698] epoch: 34/50, iter: 4/7: loss:0.53155184
737 seg: metatensor(32157.)
738 [16:38:26.605] epoch: 34/50, iter: 5/7: loss:0.50500894
739 seg: metatensor(0.)
740 [16:38:49.750] epoch: 34/50, iter: 6/7: loss:0.501011
741 [16:38:51.029] - Train metrics: 0.40581942
742 seg: metatensor(49663.)
743 [16:38:59.765] epoch: 34/50, iter: 0/1: loss:0.4202476
744 [16:38:59.766] - Val metrics: 0.4202476
745 Checkpoint DIrectory exists!
746 [16:39:01.131] - Val metrics best: 0.3360073
747 seg: metatensor(2037.)
748 [16:39:26.117] epoch: 35/50, iter: 0/7: loss:0.51080334
749 seg: metatensor(0.)
750 [16:39:55.632] epoch: 35/50, iter: 1/7: loss:0.5045539
751 seg: metatensor(72831.)
752 [16:40:20.228] epoch: 35/50, iter: 2/7: loss:0.3151474
753 seg: metatensor(17732.)
754 [16:40:45.522] epoch: 35/50, iter: 3/7: loss:0.52159685
755 seg: metatensor(45470.)
756 [16:41:16.648] epoch: 35/50, iter: 4/7: loss:0.44706732
757 seg: metatensor(40366.)
758 [16:41:45.638] epoch: 35/50, iter: 5/7: loss:0.22899401
759 seg: metatensor(4434.)
760 [16:42:06.804] epoch: 35/50, iter: 6/7: loss:0.52929926
761 [16:42:08.028] - Train metrics: 0.4367803
762 seg: metatensor(49663.)
763 [16:42:20.830] epoch: 35/50, iter: 0/1: loss:0.47933
764 [16:42:20.831] - Val metrics: 0.47933
765 Checkpoint DIrectory exists!
766 [16:42:22.214] - Val metrics best: 0.3360073
767 seg: metatensor(33739.)
768 [16:42:40.237] epoch: 36/50, iter: 0/7: loss:0.35268795
769 seg: metatensor(60511.)
770 [16:43:05.933] epoch: 36/50, iter: 1/7: loss:0.2076634
771 seg: metatensor(86728.)
772 [16:43:34.611] epoch: 36/50, iter: 2/7: loss:0.22456735
773 seg: metatensor(58854.)
774 [16:43:56.533] epoch: 36/50, iter: 3/7: loss:0.2571207
775 seg: metatensor(0.)
776 [16:44:25.221] epoch: 36/50, iter: 4/7: loss:0.5339875
777 seg: metatensor(41770.)
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778 [16:44:49.374] epoch: 36/50, iter: 5/7: loss:0.45034707
779 seg: metatensor(33120.)
780 [16:45:10.785] epoch: 36/50, iter: 6/7: loss:0.27795973
781 [16:45:12.164] - Train metrics: 0.32919052
782 seg: metatensor(49663.)
783 [16:45:21.836] epoch: 36/50, iter: 0/1: loss:0.40029442
784 [16:45:21.837] - Val metrics: 0.40029442
785 Checkpoint Directory exists!
786 [16:45:23.180] - Val metrics best: 0.3360073
787 seg: metatensor(63237.)
788 [16:45:45.520] epoch: 37/50, iter: 0/7: loss:0.31679612
789 seg: metatensor(57086.)
790 [16:46:13.549] epoch: 37/50, iter: 1/7: loss:0.36595884
791 seg: metatensor(12042.)
792 [16:46:45.884] epoch: 37/50, iter: 2/7: loss:0.40103194
793 seg: metatensor(0.)
794 [16:47:11.762] epoch: 37/50, iter: 3/7: loss:0.5100673
795 seg: metatensor(61113.)
796 [16:47:35.059] epoch: 37/50, iter: 4/7: loss:0.2161909
797 seg: metatensor(66726.)
798 [16:48:01.220] epoch: 37/50, iter: 5/7: loss:0.21103562
799 seg: metatensor(47088.)
800 [16:48:30.886] epoch: 37/50, iter: 6/7: loss:0.5348882
801 [16:48:32.234] - Train metrics: 0.36513844
802 seg: metatensor(49663.)
803 Checkpoint Directory exists!
804 [16:48:48.073] epoch: 37/50, iter: 0/1: loss:0.3406543
805 [16:48:48.074] - Val metrics: 0.3406543
806 [16:48:49.396] - Val metrics best: 0.3360073
807 seg: metatensor(75614.)
808 [16:49:21.133] epoch: 38/50, iter: 0/7: loss:0.18587887
809 seg: metatensor(34674.)
810 [16:49:47.264] epoch: 38/50, iter: 1/7: loss:0.2641913
811 seg: metatensor(32217.)
812 [16:50:14.757] epoch: 38/50, iter: 2/7: loss:0.33017638
813 seg: metatensor(34553.)
814 [16:50:45.453] epoch: 38/50, iter: 3/7: loss:0.38591808
815 seg: metatensor(35376.)
816 [16:51:17.258] epoch: 38/50, iter: 4/7: loss:0.28243786
817 seg: metatensor(58756.)
818 [16:51:42.521] epoch: 38/50, iter: 5/7: loss:0.23661308
819 seg: metatensor(69687.)
820 [16:52:13.130] epoch: 38/50, iter: 6/7: loss:0.28945127
821 [16:52:15.465] - Train metrics: 0.28209525
822 seg: metatensor(49663.)
823 [16:52:26.668] epoch: 38/50, iter: 0/1: loss:0.36024463
824 [16:52:26.669] - Val metrics: 0.36024463
825 Checkpoint Directory exists!
826 [16:52:28.056] - Val metrics best: 0.3360073
827 seg: metatensor(70349.)
828 [16:52:54.377] epoch: 39/50, iter: 0/7: loss:0.42505005
829 seg: metatensor(86069.)
830 [16:53:27.919] epoch: 39/50, iter: 1/7: loss:0.3238449
831 seg: metatensor(70648.)
832 [16:53:49.200] epoch: 39/50, iter: 2/7: loss:0.36599562
833 seg: metatensor(72576.)
834 [16:54:17.372] epoch: 39/50, iter: 3/7: loss:0.28757423
835 seg: metatensor(0.)
836 [16:54:35.482] epoch: 39/50, iter: 4/7: loss:0.5063863
837 seg: metatensor(0.)
838 [16:54:56.489] epoch: 39/50, iter: 5/7: loss:0.50498754
839 seg: metatensor(56676.)
840 [16:55:16.585] epoch: 39/50, iter: 6/7: loss:0.22166272
841 [16:55:17.749] - Train metrics: 0.3765002
842 seg: metatensor(49602.)
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843 [16:55:29.010] epoch: 39/50, iter: 0/1: loss:0.48505658
844 [16:55:29.011] - Val metrics: 0.48505658
845 Checkpoint DIrectory exists!
846 [16:55:30.348] - Val metrics best: 0.3360073
847 seg: metatensor(43202.)
848 [16:55:55.887] epoch: 40/50, iter: 0/7: loss:0.38239503
849 seg: metatensor(45670.)
850 [16:56:18.155] epoch: 40/50, iter: 1/7: loss:0.29575962
851 seg: metatensor(81727.)
852 [16:56:38.920] epoch: 40/50, iter: 2/7: loss:0.46651727
853 seg: metatensor(48355.)
854 [16:57:02.698] epoch: 40/50, iter: 3/7: loss:0.30304486
855 seg: metatensor(40672.)
856 [16:57:22.956] epoch: 40/50, iter: 4/7: loss:0.27875277
857 seg: metatensor(76232.)
858 [16:57:48.469] epoch: 40/50, iter: 5/7: loss:0.30092186
859 seg: metatensor(5988.)
860 [16:58:19.028] epoch: 40/50, iter: 6/7: loss:0.52790594
861 [16:58:20.294] - Train metrics: 0.36504248
862 seg: metatensor(49663.)
863 Checkpoint DIrectory exists!
864 [16:58:36.038] epoch: 40/50, iter: 0/1: loss:0.5134057
865 [16:58:36.038] - Val metrics: 0.5134057
866 [16:58:37.374] - Val metrics best: 0.3360073
867 seg: metatensor(62957.)
868 [16:59:01.044] epoch: 41/50, iter: 0/7: loss:0.3937191
869 seg: metatensor(0.)
870 [16:59:24.262] epoch: 41/50, iter: 1/7: loss:0.53407484
871 seg: metatensor(34553.)
872 [16:59:45.515] epoch: 41/50, iter: 2/7: loss:0.32670823
873 seg: metatensor(0.)
874 [17:00:07.923] epoch: 41/50, iter: 3/7: loss:0.51264
875 seg: metatensor(0.)
876 [17:00:30.758] epoch: 41/50, iter: 4/7: loss:0.50353616
877 seg: metatensor(48461.)
878 [17:00:58.294] epoch: 41/50, iter: 5/7: loss:0.2971749
879 seg: metatensor(32717.)
880 [17:01:25.430] epoch: 41/50, iter: 6/7: loss:0.34252572
881 [17:01:27.820] - Train metrics: 0.4157684
882 seg: metatensor(49663.)
883 [17:01:41.893] epoch: 41/50, iter: 0/1: loss:0.44845957
884 [17:01:41.894] - Val metrics: 0.44845957
885 Checkpoint DIrectory exists!
886 [17:01:43.282] - Val metrics best: 0.3360073
887 seg: metatensor(0.)
888 [17:02:07.979] epoch: 42/50, iter: 0/7: loss:0.506648
889 seg: metatensor(7304.)
890 [17:02:28.190] epoch: 42/50, iter: 1/7: loss:0.4658277
891 seg: metatensor(35601.)
892 [17:02:53.566] epoch: 42/50, iter: 2/7: loss:0.26624718
893 seg: metatensor(45101.)
894 [17:03:17.846] epoch: 42/50, iter: 3/7: loss:0.27732152
895 seg: metatensor(52947.)
896 [17:03:42.746] epoch: 42/50, iter: 4/7: loss:0.24532282
897 seg: metatensor(31858.)
898 [17:04:03.625] epoch: 42/50, iter: 5/7: loss:0.26861224
899 seg: metatensor(45368.)
900 [17:04:29.466] epoch: 42/50, iter: 6/7: loss:0.20481594
901 [17:04:30.812] - Train metrics: 0.31925648
902 seg: metatensor(49460.)
903 [17:04:43.085] epoch: 42/50, iter: 0/1: loss:0.43517232
904 [17:04:43.086] - Val metrics: 0.43517232
905 Checkpoint DIrectory exists!
906 [17:04:44.512] - Val metrics best: 0.3360073
907 seg: metatensor(60238.)
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908 [17:05:04.957] epoch: 43/50, iter: 0/7: loss:0.22141856
909 seg: metatensor(0.)
910 [17:05:38.912] epoch: 43/50, iter: 1/7: loss:0.51198584
911 seg: metatensor(57109.)
912 [17:06:03.430] epoch: 43/50, iter: 2/7: loss:0.23050973
913 seg: metatensor(22368.)
914 [17:06:38.385] epoch: 43/50, iter: 3/7: loss:0.5630448
915 seg: metatensor(76780.)
916 [17:07:05.393] epoch: 43/50, iter: 4/7: loss:0.2206335
917 seg: metatensor(0.)
918 [17:07:36.582] epoch: 43/50, iter: 5/7: loss:0.5453827
919 seg: metatensor(71638.)
920 [17:07:59.623] epoch: 43/50, iter: 6/7: loss:0.2176497
921 [17:08:00.986] - Train metrics: 0.3586607
922 seg: metatensor(49663.)
923 Checkpoint DIrectory exists!
924 [17:08:13.801] epoch: 43/50, iter: 0/1: loss:0.36385906
925 [17:08:13.803] - Val metrics: 0.36385906
926 [17:08:15.139] - Val metrics best: 0.3360073
927 seg: metatensor(56101.)
928 [17:08:45.778] epoch: 44/50, iter: 0/7: loss:0.26344848
929 seg: metatensor(78945.)
930 [17:09:09.526] epoch: 44/50, iter: 1/7: loss:0.16138501
931 seg: metatensor(53766.)
932 [17:09:34.288] epoch: 44/50, iter: 2/7: loss:0.36119527
933 seg: metatensor(43992.)
934 [17:10:01.217] epoch: 44/50, iter: 3/7: loss:0.368813
935 seg: metatensor(45132.)
936 [17:10:26.760] epoch: 44/50, iter: 4/7: loss:0.2565429
937 seg: metatensor(28074.)
938 [17:10:55.963] epoch: 44/50, iter: 5/7: loss:0.48853892
939 seg: metatensor(0.)
940 [17:11:17.214] epoch: 44/50, iter: 6/7: loss:0.51002294
941 [17:11:19.533] - Train metrics: 0.34427807
942 seg: metatensor(49663.)
943 Checkpoint DIrectory exists!
944 [17:11:32.072] epoch: 44/50, iter: 0/1: loss:0.3232891
945 [17:11:32.073] - Val metrics: 0.3232891
946 [17:11:33.370] - Val metrics best: 0.3232891
947 seg: metatensor(18169.)
948 [17:12:01.600] epoch: 45/50, iter: 0/7: loss:0.18193862
949 seg: metatensor(66296.)
950 [17:12:32.096] epoch: 45/50, iter: 1/7: loss:0.23074365
951 seg: metatensor(2017.)
952 [17:13:02.794] epoch: 45/50, iter: 2/7: loss:0.49064338
953 seg: metatensor(88098.)
954 [17:13:20.542] epoch: 45/50, iter: 3/7: loss:0.6279263
955 seg: metatensor(45460.)
956 [17:13:44.077] epoch: 45/50, iter: 4/7: loss:0.23251554
957 seg: metatensor(0.)
958 [17:14:08.491] epoch: 45/50, iter: 5/7: loss:0.5040999
959 seg: metatensor(63148.)
960 [17:14:32.791] epoch: 45/50, iter: 6/7: loss:0.29591647
961 [17:14:34.157] - Train metrics: 0.36625484
962 seg: metatensor(49663.)
963 [17:14:45.295] epoch: 45/50, iter: 0/1: loss:0.45811534
964 [17:14:45.296] - Val metrics: 0.45811534
965 Checkpoint DIrectory exists!
966 [17:14:46.210] - Val metrics best: 0.3232891
967 seg: metatensor(8866.)
968 [17:15:07.232] epoch: 46/50, iter: 0/7: loss:0.47281346
969 seg: metatensor(19315.)
970 [17:15:34.362] epoch: 46/50, iter: 1/7: loss:0.38406497
971 seg: metatensor(41689.)
972 [17:15:59.870] epoch: 46/50, iter: 2/7: loss:0.27010593
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973 seg: metatensor(51244.)
974 [17:16:24.888] epoch: 46/50, iter: 3/7: loss:0.39333
975 seg: metatensor(22526.)
976 [17:16:50.167] epoch: 46/50, iter: 4/7: loss:0.16748105
977 seg: metatensor(40465.)
978 [17:17:11.614] epoch: 46/50, iter: 5/7: loss:0.24520206
979 seg: metatensor(13308.)
980 [17:17:40.822] epoch: 46/50, iter: 6/7: loss:0.44911617
981 [17:17:42.096] - Train metrics: 0.34030196
982 seg: metatensor(49663.)
983 [17:17:56.855] epoch: 46/50, iter: 0/1: loss:0.33667338
984 [17:17:56.856] - Val metrics: 0.33667338
985 Checkpoint DIrectory exists!
986 [17:17:57.791] - Val metrics best: 0.3232891
987 seg: metatensor(76049.)
988 [17:18:55.744] epoch: 47/50, iter: 0/7: loss:0.3477143
989 seg: metatensor(63205.)
990 [17:19:21.390] epoch: 47/50, iter: 1/7: loss:0.18465057
991 seg: metatensor(71494.)
992 [17:19:48.705] epoch: 47/50, iter: 2/7: loss:0.3383923
993 seg: metatensor(68833.)
994 [17:20:16.543] epoch: 47/50, iter: 3/7: loss:0.24564919
995 seg: metatensor(45670.)
996 [17:20:37.435] epoch: 47/50, iter: 4/7: loss:0.22553046
997 seg: metatensor(41789.)
998 [17:21:01.571] epoch: 47/50, iter: 5/7: loss:0.41596895
999 seg: metatensor(0.)
1000 [17:21:27.505] epoch: 47/50, iter: 6/7: loss:0.52873045
1001 [17:21:28.996] - Train metrics: 0.3266623
1002 seg: metatensor(49602.)
1003 [17:21:43.854] epoch: 47/50, iter: 0/1: loss:0.36747247
1004 [17:21:43.855] - Val metrics: 0.36747247
1005 Checkpoint DIrectory exists!
1006 [17:21:44.796] - Val metrics best: 0.3232891
1007 seg: metatensor(86503.)
1008 [17:22:09.727] epoch: 48/50, iter: 0/7: loss:0.213834
1009 seg: metatensor(68720.)
1010 [17:22:35.136] epoch: 48/50, iter: 1/7: loss:0.22892481
1011 seg: metatensor(46759.)
1012 [17:22:56.962] epoch: 48/50, iter: 2/7: loss:0.22930643
1013 seg: metatensor(43761.)
1014 [17:23:28.376] epoch: 48/50, iter: 3/7: loss:0.30897853
1015 seg: metatensor(57076.)
1016 [17:23:54.967] epoch: 48/50, iter: 4/7: loss:0.23584409
1017 seg: metatensor(0.)
1018 [17:24:14.323] epoch: 48/50, iter: 5/7: loss:0.50262284
1019 seg: metatensor(51691.)
1020 [17:24:35.944] epoch: 48/50, iter: 6/7: loss:0.1910939
1021 [17:24:36.979] - Train metrics: 0.27294353
1022 seg: metatensor(49663.)
1023 Checkpoint DIrectory exists!
1024 [17:24:51.318] epoch: 48/50, iter: 0/1: loss:0.41120607
1025 [17:24:51.319] - Val metrics: 0.41120607
1026 [17:24:52.238] - Val metrics best: 0.3232891
1027 seg: metatensor(49856.)
1028 [17:25:22.554] epoch: 49/50, iter: 0/7: loss:0.19621837
1029 seg: metatensor(46551.)
1030 [17:25:53.133] epoch: 49/50, iter: 1/7: loss:0.2400533
1031 seg: metatensor(81072.)
1032 [17:26:12.800] epoch: 49/50, iter: 2/7: loss:0.3100011
1033 seg: metatensor(67663.)
1034 [17:26:33.248] epoch: 49/50, iter: 3/7: loss:0.21937513
1035 seg: metatensor(40871.)
1036 [17:26:58.688] epoch: 49/50, iter: 4/7: loss:0.23190752
1037 seg: metatensor(0.)
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1038 [17:27:21.134] epoch: 49/50, iter: 5/7: loss:0.52033746
1039 seg: metatensor(85166.)
1040 [17:27:44.560] epoch: 49/50, iter: 6/7: loss:0.21630484
1041 [17:27:47.066] - Train metrics: 0.27631396
1042 seg: metatensor(49663.)
1043 Checkpoint DDirectory exists!
1044 [17:28:00.070] epoch: 49/50, iter: 0/1: loss:0.35554218
1045 [17:28:00.070] - Val metrics: 0.35554218
1046 [17:28:00.978] - Val metrics best: 0.3232891
1047
1048 Process finished with exit code 0
1049
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