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1 C:\ProgramData\Anaconda3\envs\MCN\python.exe C:/Users/Luca/PycharmProjects/mcl-activity-monitoring/
  offlineModels/BaseModel.py
2 2022-05-25 08:43:06.099089: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load
  dynamic library 'cudart64_110.dll'; dlsym: cudart64_110.dll not found
3 2022-05-25 08:43:06.099194: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlsym error if
  you do not have a GPU set up on your machine.
4
5 1680 trials detected for ('activation', 'optimizer', 'dropout_rate', 'epochs', 'batch_size', 'nodecount')
6 2022-05-25 08:43:09.684152: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load
  dynamic library 'nvcuda.dll'; dlsym: nvcuda.dll not found
7 2022-05-25 08:43:09.684231: W tensorflow/stream_executor/cuda/cuda_driver.cc:269] failed call to cuInit:
  UNKNOWN ERROR (303)
8 2022-05-25 08:43:09.686174: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA
  diagnostic information for host: PC-Luca
9 2022-05-25 08:43:09.686278: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: PC-Luca
10 2022-05-25 08:43:09.686507: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is
  optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance
  -critical operations: AVX AVX2
11 To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
12
13 *****(1/1680) *****
14 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
  'nodecount': 32})
15 Restoring model weights from the end of the best epoch: 2.
16 Epoch 9: early stopping
17 SCORE: 0.18385 at epoch 1
18
19 *****(2/1680) *****
20 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
  'nodecount': 256})
21 Restoring model weights from the end of the best epoch: 1.
22 Epoch 8: early stopping
23 SCORE: 0.1888 at epoch 1
24
25 *****(3/1680) *****
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26 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
27 Restoring model weights from the end of the best epoch: 1.
28 Epoch 8: early stopping
29 SCORE: 0.18385 at epoch 1
30
31 ***** (4/1680) *****
32 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
33 Restoring model weights from the end of the best epoch: 1.
34 Epoch 8: early stopping
35 SCORE: 0.1888 at epoch 6
36
37 ***** (5/1680) *****
38 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
39 Restoring model weights from the end of the best epoch: 1.
40 Epoch 8: early stopping
41 SCORE: 0.1888 at epoch 3
42
43 ***** (6/1680) *****
44 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
45 Restoring model weights from the end of the best epoch: 1.
46 Epoch 8: early stopping
47 SCORE: 0.1888 at epoch 1
48
49 ***** (7/1680) *****
50 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
51 Restoring model weights from the end of the best epoch: 1.
52 Epoch 8: early stopping
53 SCORE: 0.1888 at epoch 3
54
55 ***** (8/1680) *****
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56 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
57 Restoring model weights from the end of the best epoch: 1.
58 Epoch 8: early stopping
59 SCORE: 0.1888 at epoch 3
60
61 ***** (9/1680) *****
62 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
63 Restoring model weights from the end of the best epoch: 4.
64 Epoch 11: early stopping
65 SCORE: 0.18385 at epoch 1
66
67 ***** (10/1680) *****
68 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
69 Restoring model weights from the end of the best epoch: 2.
70 Epoch 9: early stopping
71 SCORE: 0.1888 at epoch 1
72
73 ***** (11/1680) *****
74 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
75 Restoring model weights from the end of the best epoch: 2.
76 Epoch 9: early stopping
77 SCORE: 0.18385 at epoch 1
78
79 ***** (12/1680) *****
80 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
81 Restoring model weights from the end of the best epoch: 2.
82 Epoch 9: early stopping
83 SCORE: 0.18385 at epoch 1
84
85 ***** (13/1680) *****
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86 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
87 Restoring model weights from the end of the best epoch: 2.
88 Epoch 9: early stopping
89 SCORE: 0.18385 at epoch 1
90
91 ***** (14/1680) *****
92 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
93 Restoring model weights from the end of the best epoch: 1.
94 Epoch 8: early stopping
95 SCORE: 0.1888 at epoch 1
96
97 ***** (15/1680) *****
98 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
99 Restoring model weights from the end of the best epoch: 1.
100 Epoch 8: early stopping
101 SCORE: 0.18385 at epoch 1
102
103 ***** (16/1680) *****
104 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
105 Restoring model weights from the end of the best epoch: 1.
106 Epoch 8: early stopping
107 SCORE: 0.1888 at epoch 6
108
109 ***** (17/1680) *****
110 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
111 Restoring model weights from the end of the best epoch: 1.
112 Epoch 8: early stopping
113 SCORE: 0.1888 at epoch 3
114 ***** (18/1680) *****
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116 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
117 Restoring model weights from the end of the best epoch: 1.
118 Epoch 8: early stopping
119 SCORE: 0.1888 at epoch 1
120
121 *****(19/1680) *****
122 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
123 Restoring model weights from the end of the best epoch: 1.
124 Epoch 8: early stopping
125 SCORE: 0.1888 at epoch 3
126
127 *****(20/1680) *****
128 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
129 Restoring model weights from the end of the best epoch: 1.
130 Epoch 8: early stopping
131 SCORE: 0.1888 at epoch 3
132
133 *****(21/1680) *****
134 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
135 Restoring model weights from the end of the best epoch: 4.
136 Epoch 11: early stopping
137 SCORE: 0.18385 at epoch 1
138
139 *****(22/1680) *****
140 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
141 Restoring model weights from the end of the best epoch: 2.
142 Epoch 9: early stopping
143 SCORE: 0.1888 at epoch 1
144
145 *****(23/1680) *****
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146 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
147 Restoring model weights from the end of the best epoch: 2.
148 Epoch 9: early stopping
149 SCORE: 0.18385 at epoch 1
150
151 *****(24/1680) *****
152 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
153 Restoring model weights from the end of the best epoch: 2.
154 Epoch 9: early stopping
155 SCORE: 0.18385 at epoch 1
156
157 *****(25/1680) *****
158 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
159 Restoring model weights from the end of the best epoch: 2.
160 Epoch 9: early stopping
161 SCORE: 0.18385 at epoch 1
162
163 *****(26/1680) *****
164 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
165 Restoring model weights from the end of the best epoch: 1.
166 Epoch 8: early stopping
167 SCORE: 0.1888 at epoch 1
168
169 *****(27/1680) *****
170 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
171 Restoring model weights from the end of the best epoch: 1.
172 Epoch 8: early stopping
173 SCORE: 0.18385 at epoch 1
174
175 *****(28/1680) *****
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176 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
177 Restoring model weights from the end of the best epoch: 1.
178 Epoch 8: early stopping
179 SCORE: 0.1888 at epoch 6
180
181 *****(29/1680) *****
182 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
183 Restoring model weights from the end of the best epoch: 1.
184 Epoch 8: early stopping
185 SCORE: 0.1888 at epoch 3
186
187 *****(30/1680) *****
188 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
189 Restoring model weights from the end of the best epoch: 1.
190 Epoch 8: early stopping
191 SCORE: 0.1888 at epoch 1
192
193 *****(31/1680) *****
194 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
195 Restoring model weights from the end of the best epoch: 1.
196 Epoch 8: early stopping
197 SCORE: 0.1888 at epoch 3
198
199 *****(32/1680) *****
200 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
201 Restoring model weights from the end of the best epoch: 1.
202 Epoch 8: early stopping
203 SCORE: 0.1888 at epoch 3
204
205 *****(33/1680) *****
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206 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
207 Restoring model weights from the end of the best epoch: 4.
208 Epoch 11: early stopping
209 SCORE: 0.18385 at epoch 1
210
211 *****(34/1680) *****
212 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
213 Restoring model weights from the end of the best epoch: 2.
214 Epoch 9: early stopping
215 SCORE: 0.1888 at epoch 1
216
217 *****(35/1680) *****
218 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
219 Restoring model weights from the end of the best epoch: 2.
220 Epoch 9: early stopping
221 SCORE: 0.18385 at epoch 1
222
223 *****(36/1680) *****
224 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
225 Restoring model weights from the end of the best epoch: 2.
226 Epoch 9: early stopping
227 SCORE: 0.18385 at epoch 1
228
229 *****(37/1680) *****
230 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
231 Restoring model weights from the end of the best epoch: 2.
232 Epoch 9: early stopping
233 SCORE: 0.18385 at epoch 1
234
235 *****(38/1680) *****
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236 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
237 Restoring model weights from the end of the best epoch: 1.
238 Epoch 8: early stopping
239 SCORE: 0.1888 at epoch 1
240
241 *****(39/1680) *****
242 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
243 Restoring model weights from the end of the best epoch: 1.
244 Epoch 8: early stopping
245 SCORE: 0.18385 at epoch 1
246
247 *****(40/1680) *****
248 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
249 Restoring model weights from the end of the best epoch: 1.
250 Epoch 8: early stopping
251 SCORE: 0.1888 at epoch 6
252
253 *****(41/1680) *****
254 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
255 Restoring model weights from the end of the best epoch: 1.
256 Epoch 8: early stopping
257 SCORE: 0.1888 at epoch 3
258
259 *****(42/1680) *****
260 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
261 Restoring model weights from the end of the best epoch: 1.
262 Epoch 8: early stopping
263 SCORE: 0.1888 at epoch 1
264
265 *****(43/1680) *****
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266 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
267 Restoring model weights from the end of the best epoch: 1.
268 Epoch 8: early stopping
269 SCORE: 0.1888 at epoch 3
270
271 *****(44/1680) *****
272 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
273 Restoring model weights from the end of the best epoch: 1.
274 Epoch 8: early stopping
275 SCORE: 0.1888 at epoch 3
276
277 *****(45/1680) *****
278 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
279 Restoring model weights from the end of the best epoch: 4.
280 Epoch 11: early stopping
281 SCORE: 0.18385 at epoch 1
282
283 *****(46/1680) *****
284 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
285 Restoring model weights from the end of the best epoch: 2.
286 Epoch 9: early stopping
287 SCORE: 0.1888 at epoch 1
288
289 *****(47/1680) *****
290 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
291 Restoring model weights from the end of the best epoch: 2.
292 Epoch 9: early stopping
293 SCORE: 0.18385 at epoch 1
294
295 *****(48/1680) *****
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296 Search({'activation': 'softmax', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
297 Restoring model weights from the end of the best epoch: 2.
298 Epoch 9: early stopping
299 SCORE: 0.18385 at epoch 1
300
301 *****(49/1680) *****
302 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
303 Restoring model weights from the end of the best epoch: 90.
304 Epoch 97: early stopping
305 SCORE: 0.50248 at epoch 91
306
307 *****(50/1680) *****
308 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
309 Restoring model weights from the end of the best epoch: 84.
310 Epoch 91: early stopping
311 SCORE: 0.50892 at epoch 87
312
313 *****(51/1680) *****
314 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
315 Restoring model weights from the end of the best epoch: 90.
316 Epoch 97: early stopping
317 SCORE: 0.50545 at epoch 90
318
319 *****(52/1680) *****
320 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
321 Restoring model weights from the end of the best epoch: 90.
322 Epoch 97: early stopping
323 SCORE: 0.50694 at epoch 84
324
325 *****(53/1680) *****
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326 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
327   , 'nodecount': 32})
328
329 *****(54/1680) *****
330 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
331   , 'nodecount': 256})
331 Restoring model weights from the end of the best epoch: 58.
332 Epoch 65: early stopping
333 SCORE: 0.51437 at epoch 65
334
335 *****(55/1680) *****
336 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
337   , 'nodecount': 64})
337 Restoring model weights from the end of the best epoch: 58.
338 Epoch 65: early stopping
339 SCORE: 0.51288 at epoch 64
340
341 *****(56/1680) *****
342 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
343   , 'nodecount': 128})
343 Restoring model weights from the end of the best epoch: 58.
344 Epoch 65: early stopping
345 SCORE: 0.51239 at epoch 65
346
347 *****(57/1680) *****
348 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
349   , 'nodecount': 32})
349 SCORE: 0.48464 at epoch 91
350
351 *****(58/1680) *****
352 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
353   , 'nodecount': 256})
353 SCORE: 0.49356 at epoch 83
354
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355 ***** (59/1680) *****
356 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
357   , 'nodecount': 64})
358
359 ***** (60/1680) *****
360 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
361   , 'nodecount': 128})
362 SCORE: 0.48811 at epoch 96
363 ***** (61/1680) *****
364 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
365   , 'nodecount': 32})
366 Restoring model weights from the end of the best epoch: 82.
367 Epoch 89: early stopping
368 SCORE: 0.49108 at epoch 87
369 ***** (62/1680) *****
370 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
371   , 'nodecount': 256})
372 Restoring model weights from the end of the best epoch: 90.
373 Epoch 97: early stopping
374 SCORE: 0.5005 at epoch 89
375 ***** (63/1680) *****
376 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
377   , 'nodecount': 64})
378 SCORE: 0.50396 at epoch 91
379 ***** (64/1680) *****
380 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
381   , 'nodecount': 128})
382 SCORE: 0.51437 at epoch 95
383 ***** (65/1680) *****
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```
384 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
385 Restoring model weights from the end of the best epoch: 69.
386 Epoch 76: early stopping
387 SCORE: 0.50005 at epoch 69
388
389 *****(66/1680) *****
390 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
391 Restoring model weights from the end of the best epoch: 58.
392 Epoch 65: early stopping
393 SCORE: 0.51933 at epoch 64
394
395 *****(67/1680) *****
396 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
397 Restoring model weights from the end of the best epoch: 69.
398 Epoch 76: early stopping
399 SCORE: 0.51041 at epoch 72
400
401 *****(68/1680) *****
402 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
403 Restoring model weights from the end of the best epoch: 73.
404 Epoch 80: early stopping
405 SCORE: 0.52032 at epoch 69
406
407 *****(69/1680) *****
408 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
409 SCORE: 0.48117 at epoch 63
410
411 *****(70/1680) *****
412 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
```

```
413 SCORE: 0.49257 at epoch 95
414
415 ***** (71/1680) *****
416 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
417   , 'nodecount': 64})
418
419 ***** (72/1680) *****
420 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
421   , 'nodecount': 128})
422 SCORE: 0.4886 at epoch 93
423 **** (73/1680) *****
424 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
425   , 'nodecount': 32})
426 Restoring model weights from the end of the best epoch: 82.
427 Epoch 89: early stopping
428 SCORE: 0.48662 at epoch 82
429 **** (74/1680) *****
430 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
431   , 'nodecount': 256})
432 SCORE: 0.51041 at epoch 97
433 **** (75/1680) *****
434 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
435   , 'nodecount': 64})
436 Restoring model weights from the end of the best epoch: 73.
437 Epoch 80: early stopping
438 SCORE: 0.4891 at epoch 70
439 **** (76/1680) *****
440 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
441   , 'nodecount': 128})
442 SCORE: 0.50297 at epoch 90
```

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442
443 ***** (77/1680) *****
444 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 32})
445 Restoring model weights from the end of the best epoch: 50.
446 Epoch 57: early stopping
447 SCORE: 0.48959 at epoch 56
448
449 ***** (78/1680) *****
450 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 256})
451 Restoring model weights from the end of the best epoch: 58.
452 Epoch 65: early stopping
453 SCORE: 0.51734 at epoch 65
454
455 ***** (79/1680) *****
456 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 64})
457 Restoring model weights from the end of the best epoch: 82.
458 Epoch 89: early stopping
459 SCORE: 0.50942 at epoch 88
460
461 ***** (80/1680) *****
462 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 128})
463 Restoring model weights from the end of the best epoch: 84.
464 Epoch 91: early stopping
465 SCORE: 0.55401 at epoch 80
466
467 ***** (81/1680) *****
468 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 32})
469 Restoring model weights from the end of the best epoch: 87.
470 Epoch 94: early stopping
471 SCORE: 0.47919 at epoch 72
```

```
472
473 ***** (82/1680) *****
474 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
475   , 'nodecount': 256})
476 SCORE: 0.49306 at epoch 95
477 **** (83/1680) *****
478 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
479   , 'nodecount': 64})
480 SCORE: 0.48414 at epoch 93
481 **** (84/1680) *****
482 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
483   , 'nodecount': 128})
484 SCORE: 0.49108 at epoch 95
485 **** (85/1680) *****
486 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
487   , 'nodecount': 32})
488 Restoring model weights from the end of the best epoch: 73.
489 Epoch 80: early stopping
490 SCORE: 0.48414 at epoch 70
491 **** (86/1680) *****
492 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
493   , 'nodecount': 256})
494 SCORE: 0.5109 at epoch 88
495 **** (87/1680) *****
496 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
497   , 'nodecount': 64})
498 SCORE: 0.50198 at epoch 95
499 **** (88/1680) *****
500 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
```

```
500 , 'nodecount': 128})
501 SCORE: 0.5332 at epoch 94
502
503 **** (89/1680) *****
504 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      ,
      'nodecount': 32})
505 Restoring model weights from the end of the best epoch: 82.
506 Epoch 89: early stopping
507 SCORE: 0.49802 at epoch 72
508
509 **** (90/1680) *****
510 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      ,
      'nodecount': 256})
511 Restoring model weights from the end of the best epoch: 58.
512 Epoch 65: early stopping
513 SCORE: 0.51734 at epoch 64
514
515 **** (91/1680) *****
516 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      ,
      'nodecount': 64})
517 Restoring model weights from the end of the best epoch: 82.
518 Epoch 89: early stopping
519 SCORE: 0.51487 at epoch 87
520
521 **** (92/1680) *****
522 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      ,
      'nodecount': 128})
523 Restoring model weights from the end of the best epoch: 84.
524 Epoch 91: early stopping
525 SCORE: 0.55649 at epoch 80
526
527 **** (93/1680) *****
528 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
      ,
      'nodecount': 32})
529 Restoring model weights from the end of the best epoch: 84.
```

```
530 Epoch 91: early stopping
531 SCORE: 0.48117 at epoch 89
532
533 *****(94/1680) *****
534 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 256})
535 SCORE: 0.49405 at epoch 87
536
537 *****(95/1680) *****
538 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 64})
539 SCORE: 0.4891 at epoch 93
540
541 *****(96/1680) *****
542 Search({'activation': 'softmax', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 128})
543 SCORE: 0.49356 at epoch 93
544
545 *****(97/1680) *****
546 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
      nodecount': 32})
547 SCORE: 0.49752 at epoch 100
548
549 *****(98/1680) *****
550 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
      nodecount': 256})
551 SCORE: 0.5 at epoch 95
552
553 *****(99/1680) *****
554 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
      nodecount': 64})
555 SCORE: 0.50149 at epoch 95
556
557 *****(100/1680) *****
558 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, '
```

```
558 nodecount': 128})  
559 SCORE: 0.50545 at epoch 97  
560  
561 ***** (101/1680) *****  
562 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
563 SCORE: 0.57334 at epoch 99  
564  
565 ***** (102/1680) *****  
566 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
567 Restoring model weights from the end of the best epoch: 90.  
568 Epoch 97: early stopping  
569 SCORE: 0.51784 at epoch 79  
570  
571 ***** (103/1680) *****  
572 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
573 Restoring model weights from the end of the best epoch: 90.  
574 Epoch 97: early stopping  
575 SCORE: 0.51388 at epoch 79  
576  
577 ***** (104/1680) *****  
578 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
579 Restoring model weights from the end of the best epoch: 84.  
580 Epoch 91: early stopping  
581 SCORE: 0.51883 at epoch 79  
582  
583 ***** (105/1680) *****  
584 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
585 Restoring model weights from the end of the best epoch: 73.  
586 Epoch 80: early stopping  
587 SCORE: 0.47721 at epoch 79
```

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588 *****(106/1680) *****
589 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
590 SCORE: 0.49455 at epoch 97
592
593 *****(107/1680) *****
594 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
595 SCORE: 0.48266 at epoch 91
596
597 *****(108/1680) *****
598 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
599 SCORE: 0.48662 at epoch 97
600
601 *****(109/1680) *****
602 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
603 SCORE: 0.48662 at epoch 96
604
605 *****(110/1680) *****
606 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
607 SCORE: 0.50644 at epoch 97
608
609 *****(111/1680) *****
610 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
611 Restoring model weights from the end of the best epoch: 90.
612 Epoch 97: early stopping
613 SCORE: 0.49108 at epoch 95
614
615 *****(112/1680) *****
616 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, '
```

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616 nodecount': 128})  
617 SCORE: 0.49752 at epoch 97  
618  
619 ***** (113/1680) *****  
620 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
621 SCORE: 0.50045 at epoch 97  
622  
623 ***** (114/1680) *****  
624 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
625 SCORE: 0.500942 at epoch 95  
626  
627 ***** (115/1680) *****  
628 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
629 SCORE: 0.500842 at epoch 95  
630  
631 ***** (116/1680) *****  
632 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
633 SCORE: 0.51437 at epoch 95  
634  
635 ***** (117/1680) *****  
636 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
637 Restoring model weights from the end of the best epoch: 82.  
638 Epoch 89: early stopping  
639 SCORE: 0.48167 at epoch 83  
640  
641 ***** (118/1680) *****  
642 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
643 SCORE: 0.48712 at epoch 96  
644
```

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645 *****(119/1680) *****
646 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
647 SCORE: 0.48365 at epoch 96
648
649 *****(120/1680) *****
650 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
651 SCORE: 0.48513 at epoch 91
652
653 *****(121/1680) *****
654 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
655 Restoring model weights from the end of the best epoch: 65.
656 Epoch 72: early stopping
657 SCORE: 0.48167 at epoch 63
658
659 *****(122/1680) *****
660 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
661 SCORE: 0.50099 at epoch 95
662
663 *****(123/1680) *****
664 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
665 Restoring model weights from the end of the best epoch: 82.
666 Epoch 89: early stopping
667 SCORE: 0.48662 at epoch 79
668
669 *****(124/1680) *****
670 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
671 SCORE: 0.49306 at epoch 95
672
673 *****(125/1680) *****
```

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674 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
675 Restoring model weights from the end of the best epoch: 56.  
676 Epoch 63: early stopping  
677 SCORE: 0.48612 at epoch 63  
678  
679 ***** (126/1680) *****  
680 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
681 SCORE: 0.51041 at epoch 88  
682  
683 ***** (127/1680) *****  
684 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
685 Restoring model weights from the end of the best epoch: 58.  
686 Epoch 65: early stopping  
687 SCORE: 0.48662 at epoch 58  
688  
689 ***** (128/1680) *****  
690 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
691 SCORE: 0.50347 at epoch 90  
692  
693 ***** (129/1680) *****  
694 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
695 Restoring model weights from the end of the best epoch: 90.  
696 Epoch 97: early stopping  
697 SCORE: 0.48067 at epoch 97  
698  
699 ***** (130/1680) *****  
700 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
701 SCORE: 0.48662 at epoch 97  
702
```

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703 *****(131/1680) *****
704 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
705 SCORE: 0.48266 at epoch 97
706
707 *****(132/1680) *****
708 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
709 SCORE: 0.48365 at epoch 97
710
711 *****(133/1680) *****
712 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
713 Restoring model weights from the end of the best epoch: 82.
714 Epoch 89: early stopping
715 SCORE: 0.48414 at epoch 83
716
717 *****(134/1680) *****
718 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
719 SCORE: 0.500694 at epoch 95
720
721 *****(135/1680) *****
722 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
723 Restoring model weights from the end of the best epoch: 85.
724 Epoch 92: early stopping
725 SCORE: 0.4886 at epoch 83
726
727 *****(136/1680) *****
728 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
729 SCORE: 0.49158 at epoch 97
730
731 *****(137/1680) *****
```

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732 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
733 Restoring model weights from the end of the best epoch: 50.
734 Epoch 57: early stopping
735 SCORE: 0.48513 at epoch 39
736 *****(138/1680) *****
738 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
739 SCORE: 0.51288 at epoch 95
740 *****(139/1680) *****
742 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
743 Restoring model weights from the end of the best epoch: 69.
744 Epoch 76: early stopping
745 SCORE: 0.49207 at epoch 71
746 *****(140/1680) *****
748 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
749 SCORE: 0.50942 at epoch 97
750 *****(141/1680) *****
752 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
753 Restoring model weights from the end of the best epoch: 86.
754 Epoch 93: early stopping
755 SCORE: 0.48216 at epoch 83
756 *****(142/1680) *****
758 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
759 SCORE: 0.48811 at epoch 97
760
```

```
761 *****(143/1680) *****
762 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
763 SCORE: 0.48365 at epoch 88
764
765 *****(144/1680) *****
766 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
767 SCORE: 0.48563 at epoch 91
768
769 *****(145/1680) *****
770 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
771 SCORE: 0.49752 at epoch 100
772
773 *****(146/1680) *****
774 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
775 SCORE: 0.50149 at epoch 79
776
777 *****(147/1680) *****
778 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
779 SCORE: 0.50297 at epoch 95
780
781 *****(148/1680) *****
782 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
783 SCORE: 0.50743 at epoch 95
784
785 *****(149/1680) *****
786 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
787 SCORE: 0.57334 at epoch 99
788
```

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789 *****(150/1680) *****
790 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
791 SCORE: 0.53072 at epoch 98
792
793 *****(151/1680) *****
794 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
795 Restoring model weights from the end of the best epoch: 90.
796 Epoch 97: early stopping
797 SCORE: 0.51189 at epoch 90
798
799 *****(152/1680) *****
800 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
801 SCORE: 0.54063 at epoch 97
802
803 *****(153/1680) *****
804 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
805 Restoring model weights from the end of the best epoch: 82.
806 Epoch 89: early stopping
807 SCORE: 0.48018 at epoch 83
808
809 *****(154/1680) *****
810 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
811 SCORE: 0.49306 at epoch 97
812
813 *****(155/1680) *****
814 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
815 SCORE: 0.48365 at epoch 91
816
817 *****(156/1680) *****
```

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818 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
819 SCORE: 0.48414 at epoch 97
820 *****(157/1680) *****
821 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
822 SCORE: 0.48662 at epoch 97
823 *****(158/1680) *****
824 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
825 SCORE: 0.50793 at epoch 95
826 *****(159/1680) *****
827 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
828 Restoring model weights from the end of the best epoch: 90.
829 *****(160/1680) *****
830 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
831 Epoch 97: early stopping
832 SCORE: 0.49108 at epoch 95
833 *****(161/1680) *****
834 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
835 SCORE: 0.49604 at epoch 88
836 *****(162/1680) *****
837 Search({'activation': 'softmax', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
838 Restoring model weights from the end of the best epoch: 84.
```

```
846 Epoch 91: early stopping
847 SCORE: 0.51338 at epoch 83
848
849 *****(163/1680) *****
850 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
851 SCORE: 0.50842 at epoch 95
852
853 *****(164/1680) *****
854 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
855 SCORE: 0.51586 at epoch 93
856
857 *****(165/1680) *****
858 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
859 Restoring model weights from the end of the best epoch: 82.
860 Epoch 89: early stopping
861 SCORE: 0.48117 at epoch 84
862
863 *****(166/1680) *****
864 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
865 SCORE: 0.49207 at epoch 97
866
867 *****(167/1680) *****
868 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
869 SCORE: 0.48414 at epoch 96
870
871 *****(168/1680) *****
872 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
873 SCORE: 0.48563 at epoch 97
874
```

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875 *****(169/1680) *****
876 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
877 Restoring model weights from the end of the best epoch: 65.
878 Epoch 72: early stopping
879 SCORE: 0.48117 at epoch 64

880
881 *****(170/1680) *****
882 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
883 SCORE: 0.49752 at epoch 95

884
885 *****(171/1680) *****
886 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
887 Restoring model weights from the end of the best epoch: 82.
888 Epoch 89: early stopping
889 SCORE: 0.48612 at epoch 79

890
891 *****(172/1680) *****
892 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
893 SCORE: 0.49207 at epoch 88

894
895 *****(173/1680) *****
896 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
897 Restoring model weights from the end of the best epoch: 50.
898 Epoch 57: early stopping
899 SCORE: 0.48365 at epoch 56

900
901 *****(174/1680) *****
902 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
903 Restoring model weights from the end of the best epoch: 92.
```

```
904 Epoch 99: early stopping
905 SCORE: 0.51437 at epoch 93
906
907 *****(175/1680) *****
908 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
909 Restoring model weights from the end of the best epoch: 58.
910 Epoch 65: early stopping
911 SCORE: 0.48612 at epoch 56
912
913 *****(176/1680) *****
914 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
915 SCORE: 0.50248 at epoch 97
916
917 *****(177/1680) *****
918 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
919 Restoring model weights from the end of the best epoch: 90.
920 Epoch 97: early stopping
921 SCORE: 0.48018 at epoch 84
922
923 *****(178/1680) *****
924 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
925 SCORE: 0.48662 at epoch 96
926
927 *****(179/1680) *****
928 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
929 SCORE: 0.48414 at epoch 97
930
931 *****(180/1680) *****
932 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
```

```
933 SCORE: 0.48365 at epoch 97
934
935 *****(181/1680) *****
936 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
937 Restoring model weights from the end of the best epoch: 82.
938 Epoch 89: early stopping
939 SCORE: 0.48464 at epoch 83
940
941 *****(182/1680) *****
942 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
943 SCORE: 0.5 at epoch 95
944
945 *****(183/1680) *****
946 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
947 Restoring model weights from the end of the best epoch: 82.
948 Epoch 89: early stopping
949 SCORE: 0.48712 at epoch 83
950
951 *****(184/1680) *****
952 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
953 SCORE: 0.49405 at epoch 97
954
955 *****(185/1680) *****
956 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
957 Restoring model weights from the end of the best epoch: 50.
958 Epoch 57: early stopping
959 SCORE: 0.48513 at epoch 56
960
961 *****(186/1680) *****
962 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, '
```

```
962 nodecount': 256})
963 SCORE: 0.51734 at epoch 96
964
965 *****(187/1680) *****
966 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
967 Restoring model weights from the end of the best epoch: 69.
968 Epoch 76: early stopping
969 SCORE: 0.49207 at epoch 67
970
971 *****(188/1680) *****
972 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
973 Restoring model weights from the end of the best epoch: 75.
974 Epoch 82: early stopping
975 SCORE: 0.50297 at epoch 79
976
977 *****(189/1680) *****
978 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
979 Restoring model weights from the end of the best epoch: 82.
980 Epoch 89: early stopping
981 SCORE: 0.48067 at epoch 84
982
983 *****(190/1680) *****
984 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
985 SCORE: 0.4886 at epoch 97
986
987 *****(191/1680) *****
988 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
989 SCORE: 0.48365 at epoch 88
990
991 *****(192/1680) *****
```

```
992 Search({'activation': 'softmax', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
993   , 'nodecount': 128})
994
995 ***** (193/1680) *****
996 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
997   , 'nodecount': 32})
998 Restoring model weights from the end of the best epoch: 9.
999 Epoch 16: early stopping
1000 SCORE: 0.18385 at epoch 1
1001
1002 ***** (194/1680) *****
1003 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
1004   , 'nodecount': 256})
1005 Restoring model weights from the end of the best epoch: 5.
1006 Epoch 12: early stopping
1007 SCORE: 0.1888 at epoch 10
1008
1009 ***** (195/1680) *****
1010 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
1011   , 'nodecount': 64})
1012 Restoring model weights from the end of the best epoch: 5.
1013 Epoch 12: early stopping
1014 SCORE: 0.18385 at epoch 1
1015
1016 ***** (196/1680) *****
1017 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 100
1018   , 'nodecount': 128})
1019 Restoring model weights from the end of the best epoch: 5.
1020 Epoch 12: early stopping
1021 SCORE: 0.18385 at epoch 2
1022
1023 ***** (197/1680) *****
1024 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 100
1025   , 'nodecount': 32})
```

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1021 Restoring model weights from the end of the best epoch: 14.
1022 Epoch 21: early stopping
1023 SCORE: 0.18385 at epoch 1
1024
1025 *****(198/1680) *****
1026 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
           'nodecount': 256})
1027 Restoring model weights from the end of the best epoch: 5.
1028 Epoch 12: early stopping
1029 SCORE: 0.1888 at epoch 8
1030
1031 *****(199/1680) *****
1032 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
           'nodecount': 64})
1033 Restoring model weights from the end of the best epoch: 10.
1034 Epoch 17: early stopping
1035 SCORE: 0.18385 at epoch 1
1036
1037 *****(200/1680) *****
1038 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
           'nodecount': 128})
1039 Restoring model weights from the end of the best epoch: 5.
1040 Epoch 12: early stopping
1041 SCORE: 0.18385 at epoch 2
1042
1043 *****(201/1680) *****
1044 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
           'nodecount': 32})
1045 Restoring model weights from the end of the best epoch: 9.
1046 Epoch 16: early stopping
1047 SCORE: 0.18385 at epoch 1
1048
1049 *****(202/1680) *****
1050 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
           'nodecount': 256})

```

```
1051 Restoring model weights from the end of the best epoch: 6.
1052 Epoch 13: early stopping
1053 SCORE: 0.1888 at epoch 13
1054
1055 *****(203/1680) *****
1056 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
1057 Restoring model weights from the end of the best epoch: 6.
1058 Epoch 13: early stopping
1059 SCORE: 0.18385 at epoch 1
1060
1061 *****(204/1680) *****
1062 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
1063 Restoring model weights from the end of the best epoch: 6.
1064 Epoch 13: early stopping
1065 SCORE: 0.18385 at epoch 2
1066
1067 *****(205/1680) *****
1068 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
1069 Restoring model weights from the end of the best epoch: 9.
1070 Epoch 16: early stopping
1071 SCORE: 0.18385 at epoch 1
1072
1073 *****(206/1680) *****
1074 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
1075 Restoring model weights from the end of the best epoch: 5.
1076 Epoch 12: early stopping
1077 SCORE: 0.1888 at epoch 10
1078
1079 *****(207/1680) *****
1080 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
```

```
1081 Restoring model weights from the end of the best epoch: 5.
1082 Epoch 12: early stopping
1083 SCORE: 0.18385 at epoch 1
1084
1085 *****(208/1680) *****
1086 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
1087   , 'nodecount': 128})
1088 Restoring model weights from the end of the best epoch: 5.
1089 Epoch 12: early stopping
1090 SCORE: 0.18385 at epoch 2
1091
1092 *****(209/1680) *****
1093 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
1094   , 'nodecount': 32})
1095 Restoring model weights from the end of the best epoch: 14.
1096 Epoch 21: early stopping
1097 SCORE: 0.18385 at epoch 1
1098
1099 *****(210/1680) *****
1100 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
1101   , 'nodecount': 256})
1102 Restoring model weights from the end of the best epoch: 5.
1103 Epoch 12: early stopping
1104 SCORE: 0.1888 at epoch 8
1105
1106 *****(211/1680) *****
1107 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
1108   , 'nodecount': 64})
1109 Restoring model weights from the end of the best epoch: 10.
1110 Epoch 17: early stopping
1111 SCORE: 0.18385 at epoch 1
1112
1113 *****(212/1680) *****
1114 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
1115   , 'nodecount': 128})
```

```
1111 Restoring model weights from the end of the best epoch: 5.  
1112 Epoch 12: early stopping  
1113 SCORE: 0.18385 at epoch 2  
1114  
1115 ***** (213/1680) *****  
1116 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50  
'nodecount': 32})  
1117 Restoring model weights from the end of the best epoch: 9.  
1118 Epoch 16: early stopping  
1119 SCORE: 0.18385 at epoch 1  
1120  
1121 ***** (214/1680) *****  
1122 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50  
'nodecount': 256})  
1123 Restoring model weights from the end of the best epoch: 6.  
1124 Epoch 13: early stopping  
1125 SCORE: 0.1888 at epoch 13  
1126  
1127 ***** (215/1680) *****  
1128 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50  
'nodecount': 64})  
1129 Restoring model weights from the end of the best epoch: 6.  
1130 Epoch 13: early stopping  
1131 SCORE: 0.18385 at epoch 1  
1132  
1133 ***** (216/1680) *****  
1134 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50  
'nodecount': 128})  
1135 Restoring model weights from the end of the best epoch: 6.  
1136 Epoch 13: early stopping  
1137 SCORE: 0.18385 at epoch 2  
1138  
1139 ***** (217/1680) *****  
1140 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25  
'nodecount': 32})
```

```
1141 Restoring model weights from the end of the best epoch: 9.
1142 Epoch 16: early stopping
1143 SCORE: 0.18385 at epoch 1
1144
1145 *****(218/1680) *****
1146 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
1147 Restoring model weights from the end of the best epoch: 5.
1148 Epoch 12: early stopping
1149 SCORE: 0.1888 at epoch 10
1150
1151 *****(219/1680) *****
1152 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
1153 Restoring model weights from the end of the best epoch: 5.
1154 Epoch 12: early stopping
1155 SCORE: 0.18385 at epoch 1
1156
1157 *****(220/1680) *****
1158 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
1159 Restoring model weights from the end of the best epoch: 5.
1160 Epoch 12: early stopping
1161 SCORE: 0.18385 at epoch 2
1162
1163 *****(221/1680) *****
1164 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
1165 Restoring model weights from the end of the best epoch: 14.
1166 Epoch 21: early stopping
1167 SCORE: 0.18385 at epoch 1
1168
1169 *****(222/1680) *****
1170 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
```

```
1171 Restoring model weights from the end of the best epoch: 5.
1172 Epoch 12: early stopping
1173 SCORE: 0.1888 at epoch 8
1174
1175 *****(223/1680) *****
1176 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
1177   , 'nodecount': 64})
1178 Restoring model weights from the end of the best epoch: 10.
1179 Epoch 17: early stopping
1180 SCORE: 0.18385 at epoch 1
1181 *****(224/1680) *****
1182 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
1183   , 'nodecount': 128})
1184 Restoring model weights from the end of the best epoch: 5.
1185 Epoch 12: early stopping
1186 SCORE: 0.18385 at epoch 2
1187 *****(225/1680) *****
1188 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1189   , 'nodecount': 32})
1190 Restoring model weights from the end of the best epoch: 9.
1191 Epoch 16: early stopping
1192 SCORE: 0.18385 at epoch 1
1193 *****(226/1680) *****
1194 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1195   , 'nodecount': 256})
1196 Restoring model weights from the end of the best epoch: 6.
1197 Epoch 13: early stopping
1198 SCORE: 0.1888 at epoch 13
1199 *****(227/1680) *****
1200 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1201   , 'nodecount': 64})
```

```

1201 Restoring model weights from the end of the best epoch: 6.
1202 Epoch 13: early stopping
1203 SCORE: 0.18385 at epoch 1
1204
1205 *****(228/1680) *****
1206 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1207   , 'nodecount': 128})
1208 Restoring model weights from the end of the best epoch: 6.
1209 Epoch 13: early stopping
1210 SCORE: 0.18385 at epoch 2
1211 *****(229/1680) *****
1212 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1213   , 'nodecount': 32})
1214 Restoring model weights from the end of the best epoch: 9.
1215 Epoch 16: early stopping
1216 SCORE: 0.18385 at epoch 1
1217 *****(230/1680) *****
1218 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1219   , 'nodecount': 256})
1220 Restoring model weights from the end of the best epoch: 5.
1221 Epoch 12: early stopping
1222 SCORE: 0.1888 at epoch 10
1223 *****(231/1680) *****
1224 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1225   , 'nodecount': 64})
1226 Restoring model weights from the end of the best epoch: 5.
1227 Epoch 12: early stopping
1228 SCORE: 0.18385 at epoch 1
1229 *****(232/1680) *****
1230 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1231   , 'nodecount': 128})

```

```
1231 Restoring model weights from the end of the best epoch: 5.
1232 Epoch 12: early stopping
1233 SCORE: 0.18385 at epoch 2
1234
1235 *****(233/1680) *****
1236 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
1237 Restoring model weights from the end of the best epoch: 14.
1238 Epoch 21: early stopping
1239 SCORE: 0.18385 at epoch 1
1240
1241 *****(234/1680) *****
1242 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
1243 Restoring model weights from the end of the best epoch: 5.
1244 Epoch 12: early stopping
1245 SCORE: 0.1888 at epoch 8
1246
1247 *****(235/1680) *****
1248 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
1249 Restoring model weights from the end of the best epoch: 10.
1250 Epoch 17: early stopping
1251 SCORE: 0.18385 at epoch 1
1252
1253 *****(236/1680) *****
1254 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
1255 Restoring model weights from the end of the best epoch: 5.
1256 Epoch 12: early stopping
1257 SCORE: 0.18385 at epoch 2
1258
1259 *****(237/1680) *****
1260 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
```

```
1261 Restoring model weights from the end of the best epoch: 9.
1262 Epoch 16: early stopping
1263 SCORE: 0.18385 at epoch 1
1264
1265 *****(238/1680) *****
1266 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
1267 Restoring model weights from the end of the best epoch: 6.
1268 Epoch 13: early stopping
1269 SCORE: 0.1888 at epoch 13
1270
1271 *****(239/1680) *****
1272 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
1273 Restoring model weights from the end of the best epoch: 6.
1274 Epoch 13: early stopping
1275 SCORE: 0.18385 at epoch 1
1276
1277 *****(240/1680) *****
1278 Search({'activation': 'softmax', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
1279 Restoring model weights from the end of the best epoch: 6.
1280 Epoch 13: early stopping
1281 SCORE: 0.18385 at epoch 2
1282
1283 *****(241/1680) *****
1284 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
   25, 'nodecount': 32})
1285 Restoring model weights from the end of the best epoch: 1.
1286 Epoch 8: early stopping
1287 SCORE: 0.18385 at epoch 1
1288
1289 *****(242/1680) *****
1290 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
   25, 'nodecount': 256})
```

```
1291 Restoring model weights from the end of the best epoch: 1.
1292 Epoch 8: early stopping
1293 SCORE: 0.17245 at epoch 1
1294
1295 *****(243/1680) *****
1296 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
25, 'nodecount': 64})
1297 Restoring model weights from the end of the best epoch: 1.
1298 Epoch 8: early stopping
1299 SCORE: 0.18385 at epoch 1
1300
1301 *****(244/1680) *****
1302 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
25, 'nodecount': 128})
1303 Restoring model weights from the end of the best epoch: 1.
1304 Epoch 8: early stopping
1305 SCORE: 0.14272 at epoch 1
1306
1307 *****(245/1680) *****
1308 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
10, 'nodecount': 32})
1309 Restoring model weights from the end of the best epoch: 1.
1310 Epoch 8: early stopping
1311 SCORE: 0.18385 at epoch 1
1312
1313 *****(246/1680) *****
1314 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
10, 'nodecount': 256})
1315 Restoring model weights from the end of the best epoch: 1.
1316 Epoch 8: early stopping
1317 SCORE: 0.17245 at epoch 1
1318
1319 *****(247/1680) *****
1320 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
10, 'nodecount': 64})
```

```
1321 Restoring model weights from the end of the best epoch: 1.
1322 Epoch 8: early stopping
1323 SCORE: 0.18385 at epoch 1
1324
1325 *****(248/1680) *****
1326 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
10, 'nodecount': 128})
1327 Restoring model weights from the end of the best epoch: 1.
1328 Epoch 8: early stopping
1329 SCORE: 0.17245 at epoch 8
1330
1331 *****(249/1680) *****
1332 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
50, 'nodecount': 32})
1333 Restoring model weights from the end of the best epoch: 1.
1334 Epoch 8: early stopping
1335 SCORE: 0.18385 at epoch 1
1336
1337 *****(250/1680) *****
1338 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
50, 'nodecount': 256})
1339 Restoring model weights from the end of the best epoch: 1.
1340 Epoch 8: early stopping
1341 SCORE: 0.17245 at epoch 1
1342
1343 *****(251/1680) *****
1344 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
50, 'nodecount': 64})
1345 Restoring model weights from the end of the best epoch: 1.
1346 Epoch 8: early stopping
1347 SCORE: 0.18385 at epoch 1
1348
1349 *****(252/1680) *****
1350 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
50, 'nodecount': 128})
```

```
1351 Restoring model weights from the end of the best epoch: 1.
1352 Epoch 8: early stopping
1353 SCORE: 0.14272 at epoch 1
1354
1355 *****(253/1680) *****
1356 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
25, 'nodecount': 32})
1357 Restoring model weights from the end of the best epoch: 1.
1358 Epoch 8: early stopping
1359 SCORE: 0.18385 at epoch 1
1360
1361 *****(254/1680) *****
1362 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
25, 'nodecount': 256})
1363 Restoring model weights from the end of the best epoch: 1.
1364 Epoch 8: early stopping
1365 SCORE: 0.17245 at epoch 1
1366
1367 *****(255/1680) *****
1368 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
25, 'nodecount': 64})
1369 Restoring model weights from the end of the best epoch: 1.
1370 Epoch 8: early stopping
1371 SCORE: 0.18385 at epoch 1
1372
1373 *****(256/1680) *****
1374 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
25, 'nodecount': 128})
1375 Restoring model weights from the end of the best epoch: 1.
1376 Epoch 8: early stopping
1377 SCORE: 0.14272 at epoch 1
1378
1379 *****(257/1680) *****
1380 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 32})
```

```
1381 Restoring model weights from the end of the best epoch: 1.
1382 Epoch 8: early stopping
1383 SCORE: 0.18385 at epoch 1
1384
1385 *****(258/1680) *****
1386 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 256})
1387 Restoring model weights from the end of the best epoch: 1.
1388 Epoch 8: early stopping
1389 SCORE: 0.17245 at epoch 1
1390
1391 *****(259/1680) *****
1392 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 64})
1393 Restoring model weights from the end of the best epoch: 1.
1394 Epoch 8: early stopping
1395 SCORE: 0.18385 at epoch 1
1396
1397 *****(260/1680) *****
1398 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 128})
1399 Restoring model weights from the end of the best epoch: 1.
1400 Epoch 8: early stopping
1401 SCORE: 0.17245 at epoch 8
1402
1403 *****(261/1680) *****
1404 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
50, 'nodecount': 32})
1405 Restoring model weights from the end of the best epoch: 1.
1406 Epoch 8: early stopping
1407 SCORE: 0.18385 at epoch 1
1408
1409 *****(262/1680) *****
1410 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
50, 'nodecount': 256})
```

```
1411 Restoring model weights from the end of the best epoch: 1.
1412 Epoch 8: early stopping
1413 SCORE: 0.17245 at epoch 1
1414
1415 *****(263/1680) *****
1416 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
1417 50, 'nodecount': 64})
1418 Restoring model weights from the end of the best epoch: 1.
1419 Epoch 8: early stopping
1420 SCORE: 0.18385 at epoch 1
1421 *****(264/1680) *****
1422 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
1423 50, 'nodecount': 128})
1424 Restoring model weights from the end of the best epoch: 1.
1425 Epoch 8: early stopping
1426 SCORE: 0.14272 at epoch 1
1427 *****(265/1680) *****
1428 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
1429 25, 'nodecount': 32})
1430 Restoring model weights from the end of the best epoch: 1.
1431 Epoch 8: early stopping
1432 SCORE: 0.18385 at epoch 1
1433 *****(266/1680) *****
1434 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
1435 25, 'nodecount': 256})
1436 Restoring model weights from the end of the best epoch: 1.
1437 Epoch 8: early stopping
1438 SCORE: 0.17245 at epoch 1
1439 *****(267/1680) *****
1440 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
```

```
1441 Restoring model weights from the end of the best epoch: 1.
1442 Epoch 8: early stopping
1443 SCORE: 0.18385 at epoch 1
1444
1445 *****(268/1680) *****
1446 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
25, 'nodecount': 128})
1447 Restoring model weights from the end of the best epoch: 1.
1448 Epoch 8: early stopping
1449 SCORE: 0.14272 at epoch 1
1450
1451 *****(269/1680) *****
1452 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
10, 'nodecount': 32})
1453 Restoring model weights from the end of the best epoch: 1.
1454 Epoch 8: early stopping
1455 SCORE: 0.18385 at epoch 1
1456
1457 *****(270/1680) *****
1458 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
10, 'nodecount': 256})
1459 Restoring model weights from the end of the best epoch: 1.
1460 Epoch 8: early stopping
1461 SCORE: 0.17245 at epoch 1
1462
1463 *****(271/1680) *****
1464 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
10, 'nodecount': 64})
1465 Restoring model weights from the end of the best epoch: 1.
1466 Epoch 8: early stopping
1467 SCORE: 0.18385 at epoch 1
1468
1469 *****(272/1680) *****
1470 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
10, 'nodecount': 128})
```

```
1471 Restoring model weights from the end of the best epoch: 1.
1472 Epoch 8: early stopping
1473 SCORE: 0.17245 at epoch 8
1474
1475 *****(273/1680) *****
1476 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
50, 'nodecount': 32})
1477 Restoring model weights from the end of the best epoch: 1.
1478 Epoch 8: early stopping
1479 SCORE: 0.18385 at epoch 1
1480
1481 *****(274/1680) *****
1482 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
50, 'nodecount': 256})
1483 Restoring model weights from the end of the best epoch: 1.
1484 Epoch 8: early stopping
1485 SCORE: 0.17245 at epoch 1
1486
1487 *****(275/1680) *****
1488 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
50, 'nodecount': 64})
1489 Restoring model weights from the end of the best epoch: 1.
1490 Epoch 8: early stopping
1491 SCORE: 0.18385 at epoch 1
1492
1493 *****(276/1680) *****
1494 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
50, 'nodecount': 128})
1495 Restoring model weights from the end of the best epoch: 1.
1496 Epoch 8: early stopping
1497 SCORE: 0.14272 at epoch 1
1498
1499 *****(277/1680) *****
1500 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
25, 'nodecount': 32})
```

```

1501 Restoring model weights from the end of the best epoch: 1.
1502 Epoch 8: early stopping
1503 SCORE: 0.18385 at epoch 1
1504
1505 *****(278/1680) *****
1506 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
1507 25, 'nodecount': 256})
1508 Restoring model weights from the end of the best epoch: 1.
1509 Epoch 8: early stopping
1509 SCORE: 0.17245 at epoch 1
1510
1511 *****(279/1680) *****
1512 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
1513 25, 'nodecount': 64})
1513 Restoring model weights from the end of the best epoch: 1.
1514 Epoch 8: early stopping
1514 SCORE: 0.18385 at epoch 1
1515
1516 *****(280/1680) *****
1517 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
1518 25, 'nodecount': 128})
1519 Restoring model weights from the end of the best epoch: 1.
1520 Epoch 8: early stopping
1520 SCORE: 0.14272 at epoch 1
1521
1522 *****(281/1680) *****
1523 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
1524 10, 'nodecount': 32})
1525 Restoring model weights from the end of the best epoch: 1.
1526 Epoch 8: early stopping
1526 SCORE: 0.18385 at epoch 1
1527
1528 *****(282/1680) *****
1529 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
1530 10, 'nodecount': 256})

```

```
1531 Restoring model weights from the end of the best epoch: 1.
1532 Epoch 8: early stopping
1533 SCORE: 0.17245 at epoch 1
1534
1535 *****(283/1680) *****
1536 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
10, 'nodecount': 64})
1537 Restoring model weights from the end of the best epoch: 1.
1538 Epoch 8: early stopping
1539 SCORE: 0.18385 at epoch 1
1540
1541 *****(284/1680) *****
1542 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
10, 'nodecount': 128})
1543 Restoring model weights from the end of the best epoch: 1.
1544 Epoch 8: early stopping
1545 SCORE: 0.17245 at epoch 8
1546
1547 *****(285/1680) *****
1548 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
50, 'nodecount': 32})
1549 Restoring model weights from the end of the best epoch: 1.
1550 Epoch 8: early stopping
1551 SCORE: 0.18385 at epoch 1
1552
1553 *****(286/1680) *****
1554 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
50, 'nodecount': 256})
1555 Restoring model weights from the end of the best epoch: 1.
1556 Epoch 8: early stopping
1557 SCORE: 0.17245 at epoch 1
1558
1559 *****(287/1680) *****
1560 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
50, 'nodecount': 64})
```

```

1561 Restoring model weights from the end of the best epoch: 1.
1562 Epoch 8: early stopping
1563 SCORE: 0.18385 at epoch 1
1564
1565 *****(288/1680) *****
1566 Search({'activation': 'softmax', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
1567 50, 'nodecount': 128})
1568 Restoring model weights from the end of the best epoch: 1.
1569 Epoch 8: early stopping
1570 SCORE: 0.14272 at epoch 1
1571 *****(289/1680) *****
1572 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
1573 , 'nodecount': 32})
1574 SCORE: 0.47968 at epoch 97
1575 *****(290/1680) *****
1576 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
1577 , 'nodecount': 256})
1578 SCORE: 0.47225 at epoch 97
1579 *****(291/1680) *****
1580 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
1581 , 'nodecount': 64})
1582 SCORE: 0.47473 at epoch 97
1583 *****(292/1680) *****
1584 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
1585 , 'nodecount': 128})
1586 SCORE: 0.47423 at epoch 97
1587 *****(293/1680) *****
1588 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
1589 , 'nodecount': 32})
1590 Restoring model weights from the end of the best epoch: 82.

```

```
1590 Epoch 89: early stopping
1591 SCORE: 0.47968 at epoch 67
1592
1593 *****(294/1680) *****
1594 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
1595 , 'nodecount': 256})
1596 SCORE: 0.4777 at epoch 88
1597 *****(295/1680) *****
1598 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
1599 , 'nodecount': 64})
1600 Restoring model weights from the end of the best epoch: 93.
1601 Epoch 100: early stopping
1602 SCORE: 0.47919 at epoch 83
1603 *****(296/1680) *****
1604 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
1605 , 'nodecount': 128})
1606 SCORE: 0.47919 at epoch 91
1607 *****(297/1680) *****
1608 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
1609 , 'nodecount': 32})
1610 SCORE: 0.47324 at epoch 97
1611 *****(298/1680) *****
1612 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
1613 , 'nodecount': 256})
1614 SCORE: 0.46135 at epoch 100
1615 *****(299/1680) *****
1616 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
1617 , 'nodecount': 64})
1618 SCORE: 0.46829 at epoch 100
```

```
1619 *****(300/1680) *****
1620 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
1621 SCORE: 0.46531 at epoch 91
1622
1623 *****(301/1680) *****
1624 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
1625 SCORE: 0.47473 at epoch 97
1626
1627 *****(302/1680) *****
1628 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
1629 SCORE: 0.47225 at epoch 100
1630
1631 *****(303/1680) *****
1632 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
1633 SCORE: 0.47225 at epoch 98
1634
1635 *****(304/1680) *****
1636 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
1637 SCORE: 0.47225 at epoch 88
1638
1639 *****(305/1680) *****
1640 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
1641 Restoring model weights from the end of the best epoch: 82.
1642 Epoch 89: early stopping
1643 SCORE: 0.47869 at epoch 79
1644
1645 *****(306/1680) *****
1646 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
```

```
1647 SCORE: 0.4777 at epoch 97
1648
1649 *****(307/1680) *****
1650 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
1651 SCORE: 0.47671 at epoch 97
1652
1653 *****(308/1680) *****
1654 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
1655 Restoring model weights from the end of the best epoch: 90.
1656 Epoch 97: early stopping
1657 SCORE: 0.48167 at epoch 97
1658
1659 *****(309/1680) *****
1660 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
1661 SCORE: 0.47027 at epoch 94
1662
1663 *****(310/1680) *****
1664 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
1665 SCORE: 0.46432 at epoch 97
1666
1667 *****(311/1680) *****
1668 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
1669 SCORE: 0.46581 at epoch 97
1670
1671 *****(312/1680) *****
1672 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
1673 SCORE: 0.4668 at epoch 100
1674
1675 *****(313/1680) *****
```

File - BaseModel

```
1676 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
1677   , 'nodecount': 32})
1678
1679 *****(314/1680) *****
1680 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
1681   , 'nodecount': 256})
1682 SCORE: 0.47076 at epoch 88
1683 *****(315/1680) *****
1684 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
1685   , 'nodecount': 64})
1686 SCORE: 0.46829 at epoch 97
1687 *****(316/1680) *****
1688 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
1689   , 'nodecount': 128})
1690 SCORE: 0.47126 at epoch 97
1691 *****(317/1680) *****
1692 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
1693   , 'nodecount': 32})
1694 Restoring model weights from the end of the best epoch: 82.
1695 Epoch 89: early stopping
1696 SCORE: 0.47076 at epoch 48
1697 *****(318/1680) *****
1698 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
1699   , 'nodecount': 256})
1700 SCORE: 0.47522 at epoch 88
1701 *****(319/1680) *****
1702 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
1703   , 'nodecount': 64})
```

```
1704 *****(320/1680) *****
1705 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
1706 , 'nodecount': 128})
1707 SCORE: 0.47671 at epoch 84
1708
1709 *****(321/1680) *****
1710 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1711 , 'nodecount': 32})
1712 SCORE: 0.47027 at epoch 94
1713 *****(322/1680) *****
1714 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1715 , 'nodecount': 256})
1716 SCORE: 0.45788 at epoch 100
1717 *****(323/1680) *****
1718 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1719 , 'nodecount': 64})
1720 SCORE: 0.45689 at epoch 97
1721 *****(324/1680) *****
1722 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
1723 , 'nodecount': 128})
1724 SCORE: 0.45937 at epoch 94
1725 *****(325/1680) *****
1726 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1727 , 'nodecount': 32})
1728 SCORE: 0.47076 at epoch 88
1729 *****(326/1680) *****
1730 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1731 , 'nodecount': 256})
1732 SCORE: 0.47175 at epoch 89
```

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1732 *****(327/1680) *****
1733 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1734 , 'nodecount': 64})
1735 SCORE: 0.47126 at epoch 91
1736
1737 *****(328/1680) *****
1738 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
1739 , 'nodecount': 128})
1740 SCORE: 0.47275 at epoch 97
1741 *****(329/1680) *****
1742 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
1743 , 'nodecount': 32})
1744 Restoring model weights from the end of the best epoch: 82.
1745 Epoch 89: early stopping
1746 SCORE: 0.47423 at epoch 71
1747 *****(330/1680) *****
1748 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
1749 , 'nodecount': 256})
1750 SCORE: 0.47621 at epoch 88
1751 *****(331/1680) *****
1752 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
1753 , 'nodecount': 64})
1754 SCORE: 0.47423 at epoch 97
1755 *****(332/1680) *****
1756 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
1757 , 'nodecount': 128})
1758 SCORE: 0.4782 at epoch 97
1759 *****(333/1680) *****
1760 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
```

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1760 , 'nodecount': 32})  
1761 SCORE: 0.47076 at epoch 87  
1762  
1763 *****(334/1680)*****  
1764 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 256})  
1765 SCORE: 0.46135 at epoch 97  
1766  
1767 *****(335/1680)*****  
1768 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 64})  
1769 SCORE: 0.45788 at epoch 92  
1770  
1771 *****(336/1680)*****  
1772 Search({'activation': 'softmax', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 128})  
1773 SCORE: 0.46581 at epoch 96  
1774  
1775 *****(337/1680)*****  
1776 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,  
'nodecount': 32})  
1777 Restoring model weights from the end of the best epoch: 84.  
1778 Epoch 91: early stopping  
1779 SCORE: 0.62141 at epoch 63  
1780  
1781 *****(338/1680)*****  
1782 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,  
'nodecount': 256})  
1783 Restoring model weights from the end of the best epoch: 84.  
1784 Epoch 91: early stopping  
1785 SCORE: 0.61744 at epoch 90  
1786  
1787 *****(339/1680)*****  
1788 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,  
'nodecount': 64})
```

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1789 Restoring model weights from the end of the best epoch: 84.  
1790 Epoch 91: early stopping  
1791 SCORE: 0.61497 at epoch 74  
1792  
1793 *****(340/1680)*****  
1794 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
1795 SCORE: 0.63528 at epoch 100  
1796  
1797 ******(341/1680)*****  
1798 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
1799 Restoring model weights from the end of the best epoch: 84.  
1800 Epoch 91: early stopping  
1801 SCORE: 0.65064 at epoch 84  
1802  
1803 ******(342/1680)*****  
1804 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
1805 Restoring model weights from the end of the best epoch: 73.  
1806 Epoch 80: early stopping  
1807 SCORE: 0.65114 at epoch 60  
1808  
1809 ******(343/1680)*****  
1810 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
1811 Restoring model weights from the end of the best epoch: 59.  
1812 Epoch 66: early stopping  
1813 SCORE: 0.64618 at epoch 60  
1814  
1815 ******(344/1680)*****  
1816 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
1817 Restoring model weights from the end of the best epoch: 85.  
1818 Epoch 92: early stopping
```

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1819 SCORE: 0.65114 at epoch 84
1820
1821 *****(345/1680) *****
1822 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
1823 SCORE: 0.5996 at epoch 98
1824
1825 *****(346/1680) *****
1826 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
1827 SCORE: 0.61249 at epoch 58
1828
1829 *****(347/1680) *****
1830 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
1831 SCORE: 0.60902 at epoch 91
1832
1833 *****(348/1680) *****
1834 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
1835 Restoring model weights from the end of the best epoch: 82.
1836 Epoch 89: early stopping
1837 SCORE: 0.58077 at epoch 41
1838
1839 *****(349/1680) *****
1840 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
1841 SCORE: 0.61199 at epoch 91
1842
1843 *****(350/1680) *****
1844 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
1845 SCORE: 0.62934 at epoch 100
1846
1847 *****(351/1680) *****
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1848 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
1849 SCORE: 0.6115 at epoch 57  
1850  
1851 ***** (352/1680) *****  
1852 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
1853 SCORE: 0.61546 at epoch 93  
1854  
1855 ***** (353/1680) *****  
1856 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
1857 Restoring model weights from the end of the best epoch: 84.  
1858 Epoch 91: early stopping  
1859 SCORE: 0.64222 at epoch 90  
1860  
1861 ***** (354/1680) *****  
1862 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
1863 Restoring model weights from the end of the best epoch: 83.  
1864 Epoch 90: early stopping  
1865 SCORE: 0.65362 at epoch 83  
1866  
1867 ***** (355/1680) *****  
1868 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
1869 Restoring model weights from the end of the best epoch: 93.  
1870 Epoch 100: early stopping  
1871 SCORE: 0.64172 at epoch 85  
1872  
1873 ***** (356/1680) *****  
1874 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
1875 Restoring model weights from the end of the best epoch: 84.  
1876 Epoch 91: early stopping
```

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1877 SCORE: 0.64668 at epoch 52
1878
1879 *****(357/1680) *****
1880 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
1881 Restoring model weights from the end of the best epoch: 73.
1882 Epoch 80: early stopping
1883 SCORE: 0.56987 at epoch 58
1884
1885 *****(358/1680) *****
1886 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
1887 Restoring model weights from the end of the best epoch: 82.
1888 Epoch 89: early stopping
1889 SCORE: 0.60852 at epoch 42
1890
1891 *****(359/1680) *****
1892 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
1893 Restoring model weights from the end of the best epoch: 73.
1894 Epoch 80: early stopping
1895 SCORE: 0.62289 at epoch 73
1896
1897 *****(360/1680) *****
1898 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
1899 Restoring model weights from the end of the best epoch: 73.
1900 Epoch 80: early stopping
1901 SCORE: 0.5773 at epoch 63
1902
1903 *****(361/1680) *****
1904 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
1905 SCORE: 0.611 at epoch 89
1906
```

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1907 *****(362/1680) *****
1908 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 256})
1909 SCORE: 0.62042 at epoch 91
1910
1911 *****(363/1680) *****
1912 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 64})
1913 Restoring model weights from the end of the best epoch: 73.
1914 Epoch 80: early stopping
1915 SCORE: 0.54163 at epoch 61
1916
1917 *****(364/1680) *****
1918 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 128})
1919 SCORE: 0.61497 at epoch 91
1920
1921 *****(365/1680) *****
1922 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 32})
1923 Restoring model weights from the end of the best epoch: 82.
1924 Epoch 89: early stopping
1925 SCORE: 0.62438 at epoch 74
1926
1927 *****(366/1680) *****
1928 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 256})
1929 Restoring model weights from the end of the best epoch: 83.
1930 Epoch 90: early stopping
1931 SCORE: 0.64718 at epoch 84
1932
1933 *****(367/1680) *****
1934 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 64})
1935 Restoring model weights from the end of the best epoch: 84.
```

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1936 Epoch 91: early stopping
1937 SCORE: 0.62587 at epoch 84
1938
1939 ***** (368/1680) *****
1940 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
1941 Restoring model weights from the end of the best epoch: 84.
1942 Epoch 91: early stopping
1943 SCORE: 0.6447 at epoch 84
1944
1945 ***** (369/1680) *****
1946 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
1947 SCORE: 0.59366 at epoch 91
1948
1949 ***** (370/1680) *****
1950 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
1951 Restoring model weights from the end of the best epoch: 82.
1952 Epoch 89: early stopping
1953 SCORE: 0.60456 at epoch 58
1954
1955 ***** (371/1680) *****
1956 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
1957 Restoring model weights from the end of the best epoch: 82.
1958 Epoch 89: early stopping
1959 SCORE: 0.5664 at epoch 73
1960
1961 ***** (372/1680) *****
1962 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
1963 Restoring model weights from the end of the best epoch: 73.
1964 Epoch 80: early stopping
1965 SCORE: 0.57185 at epoch 80
```

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1966 *****(373/1680) *****
1967 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
1968 SCORE: 0.60258 at epoch 85
1970
1971 *****(374/1680) *****
1972 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
1973 SCORE: 0.62091 at epoch 85
1974
1975 *****(375/1680) *****
1976 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
1977 Restoring model weights from the end of the best epoch: 73.
1978 Epoch 80: early stopping
1979 SCORE: 0.58573 at epoch 40
1980
1981 *****(376/1680) *****
1982 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
1983 SCORE: 0.61943 at epoch 98
1984
1985 *****(377/1680) *****
1986 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
1987 Restoring model weights from the end of the best epoch: 82.
1988 Epoch 89: early stopping
1989 SCORE: 0.63033 at epoch 85
1990
1991 *****(378/1680) *****
1992 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
1993 Restoring model weights from the end of the best epoch: 83.
1994 Epoch 90: early stopping
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1995 SCORE: 0.65411 at epoch 83
1996
1997 *****(379/1680) *****
1998 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
1999 Restoring model weights from the end of the best epoch: 84.
2000 Epoch 91: early stopping
2001 SCORE: 0.64172 at epoch 84
2002
2003 *****(380/1680) *****
2004 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2005 Restoring model weights from the end of the best epoch: 84.
2006 Epoch 91: early stopping
2007 SCORE: 0.64321 at epoch 85
2008
2009 *****(381/1680) *****
2010 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2011 Restoring model weights from the end of the best epoch: 82.
2012 Epoch 89: early stopping
2013 SCORE: 0.59118 at epoch 63
2014
2015 *****(382/1680) *****
2016 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2017 Restoring model weights from the end of the best epoch: 82.
2018 Epoch 89: early stopping
2019 SCORE: 0.59514 at epoch 36
2020
2021 *****(383/1680) *****
2022 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2023 Restoring model weights from the end of the best epoch: 73.
2024 Epoch 80: early stopping

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2025 SCORE: 0.5555 at epoch 59
2026
2027 *****(384/1680) *****
2028 Search({'activation': 'relu', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2029 Restoring model weights from the end of the best epoch: 73.
2030 Epoch 80: early stopping
2031 SCORE: 0.58672 at epoch 63
2032
2033 *****(385/1680) *****
2034 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2035 Restoring model weights from the end of the best epoch: 80.
2036 Epoch 87: early stopping
2037 SCORE: 0.67047 at epoch 82
2038
2039 *****(386/1680) *****
2040 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2041 Restoring model weights from the end of the best epoch: 22.
2042 Epoch 29: early stopping
2043 SCORE: 0.6551 at epoch 17
2044
2045 *****(387/1680) *****
2046 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2047 Restoring model weights from the end of the best epoch: 60.
2048 Epoch 67: early stopping
2049 SCORE: 0.67939 at epoch 49
2050
2051 *****(388/1680) *****
2052 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2053 Restoring model weights from the end of the best epoch: 36.
2054 Epoch 43: early stopping
```

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2055 SCORE: 0.6774 at epoch 36
2056
2057 *****(389/1680) *****
2058 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2059 Restoring model weights from the end of the best epoch: 30.
2060 Epoch 37: early stopping
2061 SCORE: 0.65808 at epoch 30
2062
2063 *****(390/1680) *****
2064 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2065 Restoring model weights from the end of the best epoch: 30.
2066 Epoch 37: early stopping
2067 SCORE: 0.68731 at epoch 33
2068
2069 *****(391/1680) *****
2070 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2071 Restoring model weights from the end of the best epoch: 41.
2072 Epoch 48: early stopping
2073 SCORE: 0.67393 at epoch 41
2074
2075 *****(392/1680) *****
2076 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2077 Restoring model weights from the end of the best epoch: 30.
2078 Epoch 37: early stopping
2079 SCORE: 0.69128 at epoch 30
2080
2081 *****(393/1680) *****
2082 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2083 Restoring model weights from the end of the best epoch: 59.
2084 Epoch 66: early stopping
```

```
2085 SCORE: 0.64767 at epoch 30
2086
2087 *****(394/1680) *****
2088 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2089 Restoring model weights from the end of the best epoch: 30.
2090 Epoch 37: early stopping
2091 SCORE: 0.68781 at epoch 30
2092
2093 *****(395/1680) *****
2094 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2095 Restoring model weights from the end of the best epoch: 61.
2096 Epoch 68: early stopping
2097 SCORE: 0.66799 at epoch 59
2098
2099 *****(396/1680) *****
2100 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2101 Restoring model weights from the end of the best epoch: 42.
2102 Epoch 49: early stopping
2103 SCORE: 0.66898 at epoch 30
2104
2105 *****(397/1680) *****
2106 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2107 Restoring model weights from the end of the best epoch: 85.
2108 Epoch 92: early stopping
2109 SCORE: 0.65556 at epoch 52
2110
2111 *****(398/1680) *****
2112 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2113 Restoring model weights from the end of the best epoch: 22.
2114 Epoch 29: early stopping
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2115 SCORE: 0.64569 at epoch 22
2116
2117 ***** (399/1680) *****
2118 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2119 Restoring model weights from the end of the best epoch: 42.
2120 Epoch 49: early stopping
2121 SCORE: 0.67294 at epoch 49
2122
2123 **** (400/1680) *****
2124 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2125 Restoring model weights from the end of the best epoch: 51.
2126 Epoch 58: early stopping
2127 SCORE: 0.68731 at epoch 42
2128
2129 **** (401/1680) *****
2130 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2131 Restoring model weights from the end of the best epoch: 42.
2132 Epoch 49: early stopping
2133 SCORE: 0.66452 at epoch 36
2134
2135 **** (402/1680) *****
2136 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2137 Restoring model weights from the end of the best epoch: 28.
2138 Epoch 35: early stopping
2139 SCORE: 0.66353 at epoch 25
2140
2141 **** (403/1680) *****
2142 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2143 Restoring model weights from the end of the best epoch: 32.
2144 Epoch 39: early stopping
```

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2145 SCORE: 0.65956 at epoch 35
2146
2147 *****(404/1680) *****
2148 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2149 Restoring model weights from the end of the best epoch: 33.
2150 Epoch 40: early stopping
2151 SCORE: 0.68285 at epoch 30
2152
2153 *****(405/1680) *****
2154 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2155 SCORE: 0.65362 at epoch 93
2156
2157 *****(406/1680) *****
2158 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2159 Restoring model weights from the end of the best epoch: 30.
2160 Epoch 37: early stopping
2161 SCORE: 0.68335 at epoch 30
2162
2163 *****(407/1680) *****
2164 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2165 Restoring model weights from the end of the best epoch: 67.
2166 Epoch 74: early stopping
2167 SCORE: 0.66848 at epoch 67
2168
2169 *****(408/1680) *****
2170 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2171 Restoring model weights from the end of the best epoch: 67.
2172 Epoch 74: early stopping
2173 SCORE: 0.6888 at epoch 59
2174
```

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2175 *****(409/1680) *****
2176 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2177 Restoring model weights from the end of the best epoch: 82.
2178 Epoch 89: early stopping
2179 SCORE: 0.64965 at epoch 73
2180
2181 *****(410/1680) *****
2182 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2183 Restoring model weights from the end of the best epoch: 49.
2184 Epoch 56: early stopping
2185 SCORE: 0.7002 at epoch 56
2186
2187 *****(411/1680) *****
2188 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2189 Restoring model weights from the end of the best epoch: 52.
2190 Epoch 59: early stopping
2191 SCORE: 0.64272 at epoch 51
2192
2193 *****(412/1680) *****
2194 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2195 Restoring model weights from the end of the best epoch: 30.
2196 Epoch 37: early stopping
2197 SCORE: 0.66452 at epoch 36
2198
2199 *****(413/1680) *****
2200 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2201 Restoring model weights from the end of the best epoch: 58.
2202 Epoch 65: early stopping
2203 SCORE: 0.64767 at epoch 52
2204
```

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2205 *****(414/1680) *****
2206 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2207 Restoring model weights from the end of the best epoch: 24.
2208 Epoch 31: early stopping
2209 SCORE: 0.65164 at epoch 30
2210
2211 *****(415/1680) *****
2212 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2213 Restoring model weights from the end of the best epoch: 30.
2214 Epoch 37: early stopping
2215 SCORE: 0.64767 at epoch 31
2216
2217 *****(416/1680) *****
2218 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2219 Restoring model weights from the end of the best epoch: 33.
2220 Epoch 40: early stopping
2221 SCORE: 0.66501 at epoch 21
2222
2223 *****(417/1680) *****
2224 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2225 SCORE: 0.64767 at epoch 84
2226
2227 *****(418/1680) *****
2228 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2229 Restoring model weights from the end of the best epoch: 40.
2230 Epoch 47: early stopping
2231 SCORE: 0.68236 at epoch 42
2232
2233 *****(419/1680) *****
2234 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, '
```

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2234 nodecount': 64})  
2235 Restoring model weights from the end of the best epoch: 51.  
2236 Epoch 58: early stopping  
2237 SCORE: 0.65709 at epoch 42  
2238  
2239 ***** (420/1680) *****  
2240 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
2241 Restoring model weights from the end of the best epoch: 56.  
2242 Epoch 63: early stopping  
2243 SCORE: 0.67691 at epoch 51  
2244  
2245 ***** (421/1680) *****  
2246 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
2247 Restoring model weights from the end of the best epoch: 63.  
2248 Epoch 70: early stopping  
2249 SCORE: 0.64024 at epoch 67  
2250  
2251 ***** (422/1680) *****  
2252 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
2253 Restoring model weights from the end of the best epoch: 22.  
2254 Epoch 29: early stopping  
2255 SCORE: 0.64172 at epoch 10  
2256  
2257 ***** (423/1680) *****  
2258 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
2259 Restoring model weights from the end of the best epoch: 72.  
2260 Epoch 79: early stopping  
2261 SCORE: 0.66551 at epoch 52  
2262  
2263 ***** (424/1680) *****  
2264 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, '
```

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2264 nodecount': 128})  
2265 Restoring model weights from the end of the best epoch: 35.  
2266 Epoch 42: early stopping  
2267 SCORE: 0.67592 at epoch 42  
2268  
2269 ***** (425/1680) *****  
2270 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
2271 Restoring model weights from the end of the best epoch: 58.  
2272 Epoch 65: early stopping  
2273 SCORE: 0.65362 at epoch 59  
2274  
2275 ***** (426/1680) *****  
2276 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
2277 Restoring model weights from the end of the best epoch: 12.  
2278 Epoch 19: early stopping  
2279 SCORE: 0.62834 at epoch 12  
2280  
2281 ***** (427/1680) *****  
2282 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
2283 Restoring model weights from the end of the best epoch: 38.  
2284 Epoch 45: early stopping  
2285 SCORE: 0.65461 at epoch 30  
2286  
2287 ***** (428/1680) *****  
2288 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
2289 Restoring model weights from the end of the best epoch: 33.  
2290 Epoch 40: early stopping  
2291 SCORE: 0.68979 at epoch 33  
2292  
2293 ***** (429/1680) *****  
2294 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, '
```

```
2294 nodecount': 32})  
2295 SCORE: 0.65312 at epoch 99  
2296  
2297 ***** (430/1680) *****  
2298 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
2299 Restoring model weights from the end of the best epoch: 42.  
2300 Epoch 49: early stopping  
2301 SCORE: 0.68434 at epoch 29  
2302  
2303 ***** (431/1680) *****  
2304 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
2305 Restoring model weights from the end of the best epoch: 51.  
2306 Epoch 58: early stopping  
2307 SCORE: 0.65659 at epoch 51  
2308  
2309 ***** (432/1680) *****  
2310 Search({'activation': 'relu', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
2311 Restoring model weights from the end of the best epoch: 59.  
2312 Epoch 66: early stopping  
2313 SCORE: 0.67146 at epoch 42  
2314  
2315 ***** (433/1680) *****  
2316 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
2317 Restoring model weights from the end of the best epoch: 67.  
2318 Epoch 74: early stopping  
2319 SCORE: 0.66947 at epoch 61  
2320  
2321 ***** (434/1680) *****  
2322 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
2323 Restoring model weights from the end of the best epoch: 24.
```

```
2324 Epoch 31: early stopping
2325 SCORE: 0.67889 at epoch 24
2326
2327 *****(435/1680) *****
2328 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2329 Restoring model weights from the end of the best epoch: 58.
2330 Epoch 65: early stopping
2331 SCORE: 0.68335 at epoch 64
2332
2333 *****(436/1680) *****
2334 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2335 Restoring model weights from the end of the best epoch: 59.
2336 Epoch 66: early stopping
2337 SCORE: 0.70119 at epoch 59
2338
2339 *****(437/1680) *****
2340 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2341 Restoring model weights from the end of the best epoch: 50.
2342 Epoch 57: early stopping
2343 SCORE: 0.66749 at epoch 48
2344
2345 *****(438/1680) *****
2346 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2347 Restoring model weights from the end of the best epoch: 46.
2348 Epoch 53: early stopping
2349 SCORE: 0.70466 at epoch 40
2350
2351 *****(439/1680) *****
2352 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2353 Restoring model weights from the end of the best epoch: 47.
```

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2354 Epoch 54: early stopping
2355 SCORE: 0.69475 at epoch 46
2356
2357 *****(440/1680) *****
2358 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2359 Restoring model weights from the end of the best epoch: 43.
2360 Epoch 50: early stopping
2361 SCORE: 0.70416 at epoch 46
2362
2363 *****(441/1680) *****
2364 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2365 Restoring model weights from the end of the best epoch: 78.
2366 Epoch 85: early stopping
2367 SCORE: 0.66749 at epoch 74
2368
2369 *****(442/1680) *****
2370 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2371 Restoring model weights from the end of the best epoch: 33.
2372 Epoch 40: early stopping
2373 SCORE: 0.67839 at epoch 33
2374
2375 *****(443/1680) *****
2376 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2377 Restoring model weights from the end of the best epoch: 70.
2378 Epoch 77: early stopping
2379 SCORE: 0.67889 at epoch 68
2380
2381 *****(444/1680) *****
2382 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2383 Restoring model weights from the end of the best epoch: 70.
```

```
2384 Epoch 77: early stopping
2385 SCORE: 0.70069 at epoch 76
2386
2387 *****(445/1680) *****
2388 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2389 Restoring model weights from the end of the best epoch: 61.
2390 Epoch 68: early stopping
2391 SCORE: 0.65312 at epoch 66
2392
2393 *****(446/1680) *****
2394 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2395 Restoring model weights from the end of the best epoch: 40.
2396 Epoch 47: early stopping
2397 SCORE: 0.69177 at epoch 31
2398
2399 *****(447/1680) *****
2400 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2401 Restoring model weights from the end of the best epoch: 52.
2402 Epoch 59: early stopping
2403 SCORE: 0.68285 at epoch 52
2404
2405 *****(448/1680) *****
2406 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2407 Restoring model weights from the end of the best epoch: 58.
2408 Epoch 65: early stopping
2409 SCORE: 0.69673 at epoch 53
2410
2411 *****(449/1680) *****
2412 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2413 Restoring model weights from the end of the best epoch: 58.
```

```
2414 Epoch 65: early stopping
2415 SCORE: 0.65758 at epoch 47
2416
2417 *****(450/1680) *****
2418 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2419 Restoring model weights from the end of the best epoch: 27.
2420 Epoch 34: early stopping
2421 SCORE: 0.67839 at epoch 33
2422
2423 *****(451/1680) *****
2424 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2425 Restoring model weights from the end of the best epoch: 45.
2426 Epoch 52: early stopping
2427 SCORE: 0.66997 at epoch 40
2428
2429 *****(452/1680) *****
2430 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2431 Restoring model weights from the end of the best epoch: 19.
2432 Epoch 26: early stopping
2433 SCORE: 0.65857 at epoch 19
2434
2435 *****(453/1680) *****
2436 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2437 Restoring model weights from the end of the best epoch: 92.
2438 Epoch 99: early stopping
2439 SCORE: 0.66501 at epoch 94
2440
2441 *****(454/1680) *****
2442 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2443 Restoring model weights from the end of the best epoch: 39.
```

```
2444 Epoch 46: early stopping
2445 SCORE: 0.68285 at epoch 33
2446
2447 *****(455/1680) *****
2448 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2449 Restoring model weights from the end of the best epoch: 92.
2450 Epoch 99: early stopping
2451 SCORE: 0.69277 at epoch 95
2452
2453 *****(456/1680) *****
2454 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2455 Restoring model weights from the end of the best epoch: 47.
2456 Epoch 54: early stopping
2457 SCORE: 0.68087 at epoch 46
2458
2459 *****(457/1680) *****
2460 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2461 Restoring model weights from the end of the best epoch: 78.
2462 Epoch 85: early stopping
2463 SCORE: 0.65659 at epoch 76
2464
2465 *****(458/1680) *****
2466 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2467 Restoring model weights from the end of the best epoch: 36.
2468 Epoch 43: early stopping
2469 SCORE: 0.67195 at epoch 39
2470
2471 *****(459/1680) *****
2472 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2473 Restoring model weights from the end of the best epoch: 47.
```

```
2474 Epoch 54: early stopping
2475 SCORE: 0.65907 at epoch 39
2476
2477 *****(460/1680) *****
2478 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2479 Restoring model weights from the end of the best epoch: 67.
2480 Epoch 74: early stopping
2481 SCORE: 0.68484 at epoch 70
2482
2483 *****(461/1680) *****
2484 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2485 Restoring model weights from the end of the best epoch: 58.
2486 Epoch 65: early stopping
2487 SCORE: 0.64866 at epoch 61
2488
2489 *****(462/1680) *****
2490 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2491 Restoring model weights from the end of the best epoch: 45.
2492 Epoch 52: early stopping
2493 SCORE: 0.69128 at epoch 48
2494
2495 *****(463/1680) *****
2496 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2497 Restoring model weights from the end of the best epoch: 46.
2498 Epoch 53: early stopping
2499 SCORE: 0.66303 at epoch 48
2500
2501 *****(464/1680) *****
2502 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2503 Restoring model weights from the end of the best epoch: 21.
```

```
2504 Epoch 28: early stopping
2505 SCORE: 0.64123 at epoch 21
2506
2507 *****(465/1680) *****
2508 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2509 SCORE: 0.65312 at epoch 86
2510
2511 *****(466/1680) *****
2512 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2513 Restoring model weights from the end of the best epoch: 43.
2514 Epoch 50: early stopping
2515 SCORE: 0.67096 at epoch 47
2516
2517 *****(467/1680) *****
2518 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2519 SCORE: 0.67245 at epoch 99
2520
2521 *****(468/1680) *****
2522 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2523 Restoring model weights from the end of the best epoch: 61.
2524 Epoch 68: early stopping
2525 SCORE: 0.67245 at epoch 66
2526
2527 *****(469/1680) *****
2528 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2529 Restoring model weights from the end of the best epoch: 61.
2530 Epoch 68: early stopping
2531 SCORE: 0.64965 at epoch 47
2532
2533 *****(470/1680) *****
```

```
2534 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2535 Restoring model weights from the end of the best epoch: 49.
2536 Epoch 56: early stopping
2537 SCORE: 0.69425 at epoch 55
2538
2539 *****(471/1680) *****
2540 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2541 Restoring model weights from the end of the best epoch: 47.
2542 Epoch 54: early stopping
2543 SCORE: 0.65411 at epoch 42
2544
2545 *****(472/1680) *****
2546 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2547 Restoring model weights from the end of the best epoch: 52.
2548 Epoch 59: early stopping
2549 SCORE: 0.68434 at epoch 52
2550
2551 *****(473/1680) *****
2552 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2553 Restoring model weights from the end of the best epoch: 47.
2554 Epoch 54: early stopping
2555 SCORE: 0.65164 at epoch 47
2556
2557 *****(474/1680) *****
2558 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2559 Restoring model weights from the end of the best epoch: 27.
2560 Epoch 34: early stopping
2561 SCORE: 0.68137 at epoch 26
2562
2563 *****(475/1680) *****
```

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2564 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2565 Restoring model weights from the end of the best epoch: 35.
2566 Epoch 42: early stopping
2567 SCORE: 0.66006 at epoch 31
2568
2569 *****(476/1680) *****
2570 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2571 Restoring model weights from the end of the best epoch: 46.
2572 Epoch 53: early stopping
2573 SCORE: 0.68781 at epoch 35
2574
2575 *****(477/1680) *****
2576 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2577 SCORE: 0.65461 at epoch 99
2578
2579 *****(478/1680) *****
2580 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2581 Restoring model weights from the end of the best epoch: 39.
2582 Epoch 46: early stopping
2583 SCORE: 0.68632 at epoch 45
2584
2585 *****(479/1680) *****
2586 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2587 Restoring model weights from the end of the best epoch: 91.
2588 Epoch 98: early stopping
2589 SCORE: 0.67691 at epoch 88
2590
2591 *****(480/1680) *****
2592 Search({'activation': 'relu', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
```

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2593 Restoring model weights from the end of the best epoch: 70.
2594 Epoch 77: early stopping
2595 SCORE: 0.68186 at epoch 76
2596
2597 *****(481/1680) *****
2598 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
nodecount': 32})
2599 Restoring model weights from the end of the best epoch: 68.
2600 Epoch 75: early stopping
2601 SCORE: 0.66947 at epoch 61
2602
2603 *****(482/1680) *****
2604 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
nodecount': 256})
2605 Restoring model weights from the end of the best epoch: 66.
2606 Epoch 73: early stopping
2607 SCORE: 0.7106 at epoch 60
2608
2609 *****(483/1680) *****
2610 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
nodecount': 64})
2611 Restoring model weights from the end of the best epoch: 66.
2612 Epoch 73: early stopping
2613 SCORE: 0.68236 at epoch 61
2614
2615 *****(484/1680) *****
2616 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
nodecount': 128})
2617 Restoring model weights from the end of the best epoch: 68.
2618 Epoch 75: early stopping
2619 SCORE: 0.69722 at epoch 43
2620
2621 *****(485/1680) *****
2622 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10,
nodecount': 32})
```

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2623 Restoring model weights from the end of the best epoch: 45.
2624 Epoch 52: early stopping
2625 SCORE: 0.66848 at epoch 40
2626
2627 *****(486/1680) *****
2628 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2629 Restoring model weights from the end of the best epoch: 46.
2630 Epoch 53: early stopping
2631 SCORE: 0.70813 at epoch 43
2632
2633 *****(487/1680) *****
2634 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2635 Restoring model weights from the end of the best epoch: 46.
2636 Epoch 53: early stopping
2637 SCORE: 0.69524 at epoch 46
2638
2639 *****(488/1680) *****
2640 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2641 Restoring model weights from the end of the best epoch: 46.
2642 Epoch 53: early stopping
2643 SCORE: 0.7002 at epoch 35
2644
2645 *****(489/1680) *****
2646 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2647 Restoring model weights from the end of the best epoch: 83.
2648 Epoch 90: early stopping
2649 SCORE: 0.67146 at epoch 79
2650
2651 *****(490/1680) *****
2652 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
```

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2653 Restoring model weights from the end of the best epoch: 51.
2654 Epoch 58: early stopping
2655 SCORE: 0.70515 at epoch 51
2656
2657 *****(491/1680) *****
2658 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2659 Restoring model weights from the end of the best epoch: 59.
2660 Epoch 66: early stopping
2661 SCORE: 0.67592 at epoch 64
2662
2663 *****(492/1680) *****
2664 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2665 Restoring model weights from the end of the best epoch: 68.
2666 Epoch 75: early stopping
2667 SCORE: 0.69078 at epoch 52
2668
2669 *****(493/1680) *****
2670 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2671 Restoring model weights from the end of the best epoch: 91.
2672 Epoch 98: early stopping
2673 SCORE: 0.66749 at epoch 76
2674
2675 *****(494/1680) *****
2676 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2677 Restoring model weights from the end of the best epoch: 36.
2678 Epoch 43: early stopping
2679 SCORE: 0.69623 at epoch 35
2680
2681 *****(495/1680) *****
2682 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
```

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2683 Restoring model weights from the end of the best epoch: 58.
2684 Epoch 65: early stopping
2685 SCORE: 0.68781 at epoch 64
2686
2687 *****(496/1680) *****
2688 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2689 Restoring model weights from the end of the best epoch: 47.
2690 Epoch 54: early stopping
2691 SCORE: 0.69227 at epoch 49
2692
2693 *****(497/1680) *****
2694 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2695 Restoring model weights from the end of the best epoch: 35.
2696 Epoch 42: early stopping
2697 SCORE: 0.65857 at epoch 36
2698
2699 *****(498/1680) *****
2700 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2701 Restoring model weights from the end of the best epoch: 43.
2702 Epoch 50: early stopping
2703 SCORE: 0.71259 at epoch 43
2704
2705 *****(499/1680) *****
2706 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2707 Restoring model weights from the end of the best epoch: 47.
2708 Epoch 54: early stopping
2709 SCORE: 0.67889 at epoch 47
2710
2711 *****(500/1680) *****
2712 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
```

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2713 Restoring model weights from the end of the best epoch: 44.
2714 Epoch 51: early stopping
2715 SCORE: 0.69871 at epoch 47
2716
2717 *****(501/1680) *****
2718 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2719 SCORE: 0.65758 at epoch 90
2720
2721 *****(502/1680) *****
2722 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2723 Restoring model weights from the end of the best epoch: 59.
2724 Epoch 66: early stopping
2725 SCORE: 0.71457 at epoch 59
2726
2727 *****(503/1680) *****
2728 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2729 SCORE: 0.69772 at epoch 99
2730
2731 *****(504/1680) *****
2732 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2733 SCORE: 0.70961 at epoch 100
2734
2735 *****(505/1680) *****
2736 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2737 Restoring model weights from the end of the best epoch: 78.
2738 Epoch 85: early stopping
2739 SCORE: 0.66155 at epoch 76
2740
2741 *****(506/1680) *****
2742 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, '
```

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2742 nodecount': 256})  
2743 Restoring model weights from the end of the best epoch: 52.  
2744 Epoch 59: early stopping  
2745 SCORE: 0.70416 at epoch 58  
2746  
2747 ***** (507/1680) *****  
2748 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
2749 Restoring model weights from the end of the best epoch: 78.  
2750 Epoch 85: early stopping  
2751 SCORE: 0.67889 at epoch 76  
2752  
2753 ***** (508/1680) *****  
2754 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
2755 Restoring model weights from the end of the best epoch: 48.  
2756 Epoch 55: early stopping  
2757 SCORE: 0.68087 at epoch 52  
2758  
2759 ***** (509/1680) *****  
2760 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
2761 Restoring model weights from the end of the best epoch: 57.  
2762 Epoch 64: early stopping  
2763 SCORE: 0.65064 at epoch 61  
2764  
2765 ***** (510/1680) *****  
2766 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
2767 Restoring model weights from the end of the best epoch: 44.  
2768 Epoch 51: early stopping  
2769 SCORE: 0.69772 at epoch 40  
2770  
2771 ***** (511/1680) *****  
2772 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
```

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2772 nodecount': 64})  
2773 Restoring model weights from the end of the best epoch: 44.  
2774 Epoch 51: early stopping  
2775 SCORE: 0.67493 at epoch 47  
2776  
2777 ***** (512/1680) *****  
2778 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
2779 Restoring model weights from the end of the best epoch: 46.  
2780 Epoch 53: early stopping  
2781 SCORE: 0.68385 at epoch 40  
2782  
2783 ***** (513/1680) *****  
2784 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
2785 SCORE: 0.65064 at epoch 99  
2786  
2787 ***** (514/1680) *****  
2788 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
2789 Restoring model weights from the end of the best epoch: 59.  
2790 Epoch 66: early stopping  
2791 SCORE: 0.69871 at epoch 52  
2792  
2793 ***** (515/1680) *****  
2794 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
2795 Restoring model weights from the end of the best epoch: 76.  
2796 Epoch 83: early stopping  
2797 SCORE: 0.67096 at epoch 73  
2798  
2799 ***** (516/1680) *****  
2800 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
2801 Restoring model weights from the end of the best epoch: 52.
```

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2802 Epoch 59: early stopping
2803 SCORE: 0.68038 at epoch 59
2804
2805 *****(517/1680) *****
2806 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2807 SCORE: 0.66056 at epoch 79
2808
2809 *****(518/1680) *****
2810 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2811 Restoring model weights from the end of the best epoch: 35.
2812 Epoch 42: early stopping
2813 SCORE: 0.68781 at epoch 35
2814
2815 *****(519/1680) *****
2816 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2817 Restoring model weights from the end of the best epoch: 58.
2818 Epoch 65: early stopping
2819 SCORE: 0.68632 at epoch 64
2820
2821 *****(520/1680) *****
2822 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2823 Restoring model weights from the end of the best epoch: 66.
2824 Epoch 73: early stopping
2825 SCORE: 0.69871 at epoch 60
2826
2827 *****(521/1680) *****
2828 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
2829 Restoring model weights from the end of the best epoch: 47.
2830 Epoch 54: early stopping
2831 SCORE: 0.64916 at epoch 36
```

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2832 *****(522/1680) *****
2833 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
2834 Restoring model weights from the end of the best epoch: 25.
2835 Epoch 32: early stopping
2836 SCORE: 0.68385 at epoch 23
2837
2838 *****(523/1680) *****
2839 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
2840 Restoring model weights from the end of the best epoch: 44.
2841 Epoch 51: early stopping
2842 SCORE: 0.67096 at epoch 47
2843
2844 *****(524/1680) *****
2845 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
2846 Restoring model weights from the end of the best epoch: 46.
2847 Epoch 53: early stopping
2848 SCORE: 0.68781 at epoch 39
2849
2850 *****(525/1680) *****
2851 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
2852 Restoring model weights from the end of the best epoch: 59.
2853 Epoch 66: early stopping
2854 SCORE: 0.65213 at epoch 87
2855 *****(526/1680) *****
2856 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
2857 Restoring model weights from the end of the best epoch: 59.
2858 Epoch 66: early stopping
2859 SCORE: 0.69722 at epoch 52
2860
2861 *****(527/1680) *****
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2862 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
2863 Restoring model weights from the end of the best epoch: 66.
2864 Epoch 73: early stopping
2865 SCORE: 0.67146 at epoch 61
2866
2867 *****(528/1680) *****
2868 Search({'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
2869 Restoring model weights from the end of the best epoch: 67.
2870 Epoch 74: early stopping
2871 SCORE: 0.68831 at epoch 67
2872
2873 *****(529/1680) *****
2874 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
2875 SCORE: 0.48365 at epoch 100
2876
2877 *****(530/1680) *****
2878 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
2879 SCORE: 0.59118 at epoch 97
2880
2881 *****(531/1680) *****
2882 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
2883 SCORE: 0.48018 at epoch 99
2884
2885 *****(532/1680) *****
2886 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
2887 SCORE: 0.52131 at epoch 88
2888
2889 *****(533/1680) *****
2890 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, '
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2890 nodecount': 32})  
2891 SCORE: 0.50892 at epoch 91  
2892  
2893 *****(534/1680)****  
2894 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
2895 SCORE: 0.611 at epoch 96  
2896  
2897 *****(535/1680)****  
2898 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
2899 SCORE: 0.49554 at epoch 98  
2900  
2901 *****(536/1680)****  
2902 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
2903 SCORE: 0.56343 at epoch 65  
2904  
2905 *****(537/1680)****  
2906 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
2907 SCORE: 0.445 at epoch 100  
2908  
2909 *****(538/1680)****  
2910 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
2911 SCORE: 0.57681 at epoch 87  
2912  
2913 *****(539/1680)****  
2914 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
2915 SCORE: 0.47076 at epoch 95  
2916  
2917 *****(540/1680)****  
2918 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
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```
2918 nodecount': 128})  
2919 SCORE: 0.49604 at epoch 87  
2920  
2921 *****(541/1680)*****  
2922 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
2923 SCORE: 0.48414 at epoch 83  
2924  
2925 *****(542/1680)*****  
2926 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
2927 SCORE: 0.5996 at epoch 88  
2928  
2929 *****(543/1680)*****  
2930 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
2931 SCORE: 0.47126 at epoch 97  
2932  
2933 *****(544/1680)*****  
2934 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
2935 SCORE: 0.50198 at epoch 95  
2936  
2937 *****(545/1680)*****  
2938 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
2939 SCORE: 0.49207 at epoch 86  
2940  
2941 *****(546/1680)*****  
2942 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
2943 SCORE: 0.61348 at epoch 91  
2944  
2945 *****(547/1680)*****  
2946 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 512})
```

```
2946 nodecount': 64})  
2947 SCORE: 0.48761 at epoch 99  
2948  
2949 ***** (548/1680) *****  
2950 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
2951 SCORE: 0.54856 at epoch 98  
2952  
2953 ***** (549/1680) *****  
2954 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
2955 SCORE: 0.47473 at epoch 99  
2956  
2957 ***** (550/1680) *****  
2958 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
2959 SCORE: 0.52329 at epoch 95  
2960  
2961 ***** (551/1680) *****  
2962 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
2963 SCORE: 0.45639 at epoch 99  
2964  
2965 ***** (552/1680) *****  
2966 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
2967 SCORE: 0.48513 at epoch 95  
2968  
2969 ***** (553/1680) *****  
2970 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
2971 SCORE: 0.50347 at epoch 78  
2972  
2973 ***** (554/1680) *****  
2974 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
```

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2974 nodecount': 256})  
2975 SCORE: 0.49158 at epoch 79  
2976  
2977 ***** (555/1680) *****  
2978 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
2979 SCORE: 0.47621 at epoch 94  
2980  
2981 ***** (556/1680) *****  
2982 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
2983 SCORE: 0.48811 at epoch 97  
2984  
2985 ***** (557/1680) *****  
2986 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
2987 SCORE: 0.50198 at epoch 65  
2988  
2989 ***** (558/1680) *****  
2990 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
2991 SCORE: 0.5778 at epoch 72  
2992  
2993 ***** (559/1680) *****  
2994 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
2995 SCORE: 0.48018 at epoch 98  
2996  
2997 ***** (560/1680) *****  
2998 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
2999 SCORE: 0.5005 at epoch 95  
3000  
3001 ***** (561/1680) *****  
3002 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, '
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3002 nodecount': 32})  
3003 SCORE: 0.49158 at epoch 79  
3004  
3005 ***** (562/1680) *****  
3006 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
3007 SCORE: 0.47572 at epoch 100  
3008  
3009 ***** (563/1680) *****  
3010 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
3011 SCORE: 0.46729 at epoch 62  
3012  
3013 ***** (564/1680) *****  
3014 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
3015 SCORE: 0.47175 at epoch 95  
3016  
3017 ***** (565/1680) *****  
3018 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
3019 SCORE: 0.50446 at epoch 94  
3020  
3021 ***** (566/1680) *****  
3022 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
3023 SCORE: 0.52081 at epoch 97  
3024  
3025 ***** (567/1680) *****  
3026 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
3027 SCORE: 0.4782 at epoch 82  
3028  
3029 ***** (568/1680) *****  
3030 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
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3030 nodecount': 128})  
3031 SCORE: 0.49158 at epoch 97  
3032  
3033 *****(569/1680)*****  
3034 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
3035 SCORE: 0.50297 at epoch 100  
3036  
3037 *****(570/1680)*****  
3038 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
3039 SCORE: 0.55302 at epoch 44  
3040  
3041 *****(571/1680)*****  
3042 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
3043 SCORE: 0.48563 at epoch 96  
3044  
3045 *****(572/1680)*****  
3046 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
3047 SCORE: 0.51189 at epoch 96  
3048  
3049 *****(573/1680)*****  
3050 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
3051 SCORE: 0.49009 at epoch 98  
3052  
3053 *****(574/1680)*****  
3054 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
3055 SCORE: 0.48018 at epoch 95  
3056  
3057 *****(575/1680)*****  
3058 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
```

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3058 nodecount': 64})  
3059 SCORE: 0.45491 at epoch 100  
3060  
3061 *****(576/1680)****  
3062 Search({'activation': 'relu', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
3063 SCORE: 0.47621 at epoch 95  
3064  
3065 *****(577/1680)****  
3066 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
3067 SCORE: 0.32805 at epoch 100  
3068  
3069 *****(578/1680)****  
3070 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
3071 SCORE: 0.39544 at epoch 100  
3072  
3073 *****(579/1680)****  
3074 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
3075 SCORE: 0.32755 at epoch 100  
3076  
3077 *****(580/1680)****  
3078 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
3079 SCORE: 0.38057 at epoch 100  
3080  
3081 *****(581/1680)****  
3082 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
3083 SCORE: 0.34985 at epoch 100  
3084  
3085 *****(582/1680)****  
3086 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10}
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3086 , 'nodecount': 256})
3087 SCORE: 0.44202 at epoch 100
3088
3089 *****(583/1680) *****
3090 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
3091 , 'nodecount': 64})
3092 SCORE: 0.36967 at epoch 100
3093 *****(584/1680) *****
3094 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
3095 , 'nodecount': 128})
3096 SCORE: 0.41378 at epoch 100
3097 *****(585/1680) *****
3098 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
3099 , 'nodecount': 32})
3100 SCORE: 0.31269 at epoch 94
3101 *****(586/1680) *****
3102 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
3103 , 'nodecount': 256})
3104 SCORE: 0.35976 at epoch 100
3105 *****(587/1680) *****
3106 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
3107 , 'nodecount': 64})
3108 SCORE: 0.29485 at epoch 100
3109 *****(588/1680) *****
3110 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
3111 , 'nodecount': 128})
3112 SCORE: 0.34143 at epoch 100
3113 *****(589/1680) *****
3114 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
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3114 , 'nodecount': 32})  
3115 SCORE: 0.3221 at epoch 100  
3116  
3117 ***** (590/1680) *****  
3118 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25  
'nodecount': 256})  
3119 SCORE: 0.38503 at epoch 100  
3120  
3121 ***** (591/1680) *****  
3122 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25  
'nodecount': 64})  
3123 SCORE: 0.31962 at epoch 100  
3124  
3125 ***** (592/1680) *****  
3126 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25  
'nodecount': 128})  
3127 SCORE: 0.36323 at epoch 100  
3128  
3129 ***** (593/1680) *****  
3130 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10  
'nodecount': 32})  
3131 SCORE: 0.32656 at epoch 100  
3132  
3133 ***** (594/1680) *****  
3134 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10  
'nodecount': 256})  
3135 SCORE: 0.44004 at epoch 99  
3136  
3137 ***** (595/1680) *****  
3138 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10  
'nodecount': 64})  
3139 SCORE: 0.35927 at epoch 100  
3140  
3141 ***** (596/1680) *****  
3142 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
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```
3142 , 'nodecount': 128})
3143 SCORE: 0.40932 at epoch 94
3144
3145 *****(597/1680) *****
3146 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
3147 , 'nodecount': 32})
3148 SCORE: 0.31021 at epoch 100
3149 *****(598/1680) *****
3150 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
3151 , 'nodecount': 256})
3152 SCORE: 0.34688 at epoch 98
3153 *****(599/1680) *****
3154 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
3155 , 'nodecount': 64})
3156 SCORE: 0.28741 at epoch 100
3157 *****(600/1680) *****
3158 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
3159 , 'nodecount': 128})
3160 SCORE: 0.32111 at epoch 99
3161 *****(601/1680) *****
3162 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
3163 , 'nodecount': 32})
3164 SCORE: 0.31219 at epoch 80
3165 *****(602/1680) *****
3166 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
3167 , 'nodecount': 256})
3168 SCORE: 0.37364 at epoch 99
3169 *****(603/1680) *****
3170 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
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3170 , 'nodecount': 64})
3171 SCORE: 0.30377 at epoch 100
3172
3173 *****(604/1680) *****
3174 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
3175 , 'nodecount': 128})
3176 SCORE: 0.32805 at epoch 99
3177 *****(605/1680) *****
3178 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
3179 , 'nodecount': 32})
3180 SCORE: 0.31715 at epoch 98
3181 *****(606/1680) *****
3182 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
3183 , 'nodecount': 256})
3184 SCORE: 0.42616 at epoch 100
3185 *****(607/1680) *****
3186 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
3187 , 'nodecount': 64})
3188 SCORE: 0.34192 at epoch 99
3189 *****(608/1680) *****
3190 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
3191 , 'nodecount': 128})
3192 SCORE: 0.39445 at epoch 99
3193 *****(609/1680) *****
3194 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
3195 , 'nodecount': 32})
3196 SCORE: 0.30476 at epoch 96
3197 *****(610/1680) *****
3198 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
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3198 , 'nodecount': 256})
3199 SCORE: 0.333 at epoch 100
3200
3201 *****(611/1680)*****
3202 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
, 'nodecount': 64})
3203 SCORE: 0.26412 at epoch 100
3204
3205 *****(612/1680)*****
3206 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
, 'nodecount': 128})
3207 SCORE: 0.30872 at epoch 1
3208
3209 *****(613/1680)*****
3210 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
, 'nodecount': 32})
3211 SCORE: 0.31566 at epoch 94
3212
3213 *****(614/1680)*****
3214 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
, 'nodecount': 256})
3215 SCORE: 0.37958 at epoch 95
3216
3217 *****(615/1680)*****
3218 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
, 'nodecount': 64})
3219 SCORE: 0.30971 at epoch 100
3220
3221 *****(616/1680)*****
3222 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
, 'nodecount': 128})
3223 SCORE: 0.34787 at epoch 100
3224
3225 *****(617/1680)*****
3226 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
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3226 , 'nodecount': 32})
3227 SCORE: 0.32061 at epoch 88
3228
3229 *****(618/1680) *****
3230 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
3231 SCORE: 0.4331 at epoch 100
3232
3233 *****(619/1680) *****
3234 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
3235 SCORE: 0.34985 at epoch 100
3236
3237 *****(620/1680) *****
3238 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
3239 SCORE: 0.40387 at epoch 93
3240
3241 *****(621/1680) *****
3242 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
3243 SCORE: 0.30674 at epoch 100
3244
3245 *****(622/1680) *****
3246 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
3247 SCORE: 0.33845 at epoch 98
3248
3249 *****(623/1680) *****
3250 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
3251 SCORE: 0.27552 at epoch 100
3252
3253 *****(624/1680) *****
3254 Search({'activation': 'relu', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
```

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3254 , 'nodecount': 128})
3255 SCORE: 0.30872 at epoch 1
3256
3257 *****(625/1680) *****
3258 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
3259 nodecount': 32})
3260 SCORE: 0.65164 at epoch 82
3261 *****(626/1680) *****
3262 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
3263 nodecount': 256})
3264 SCORE: 0.69177 at epoch 96
3265 *****(627/1680) *****
3266 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
3267 nodecount': 64})
3268 Restoring model weights from the end of the best epoch: 81.
3269 Epoch 88: early stopping
3270 SCORE: 0.66501 at epoch 79
3271 *****(628/1680) *****
3272 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
3273 nodecount': 128})
3274 SCORE: 0.66799 at epoch 94
3275 *****(629/1680) *****
3276 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10,
3277 nodecount': 32})
3278 Restoring model weights from the end of the best epoch: 77.
3279 Epoch 84: early stopping
3280 SCORE: 0.6442 at epoch 74
3281 *****(630/1680) *****
3282 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10,
3283 nodecount': 256})
```

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3283 Restoring model weights from the end of the best epoch: 44.
3284 Epoch 51: early stopping
3285 SCORE: 0.67939 at epoch 50
3286
3287 *****(631/1680) *****
3288 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
3289 Restoring model weights from the end of the best epoch: 73.
3290 Epoch 80: early stopping
3291 SCORE: 0.65709 at epoch 61
3292
3293 *****(632/1680) *****
3294 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
3295 Restoring model weights from the end of the best epoch: 58.
3296 Epoch 65: early stopping
3297 SCORE: 0.67195 at epoch 61
3298
3299 *****(633/1680) *****
3300 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
3301 SCORE: 0.65312 at epoch 82
3302
3303 *****(634/1680) *****
3304 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
3305 Restoring model weights from the end of the best epoch: 78.
3306 Epoch 85: early stopping
3307 SCORE: 0.67839 at epoch 76
3308
3309 *****(635/1680) *****
3310 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
3311 SCORE: 0.6561 at epoch 98
3312
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3313 *****(636/1680) *****
3314 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
3315 SCORE: 0.67493 at epoch 99
3316 *****(637/1680) *****
3317 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3318 SCORE: 0.64519 at epoch 80
3319 *****(638/1680) *****
3320 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3321 *****(639/1680) *****
3322 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3323 Restoring model weights from the end of the best epoch: 52.
3324 Epoch 59: early stopping
3325 SCORE: 0.66947 at epoch 33
3326 *****(639/1680) *****
3327 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3328 SCORE: 0.65956 at epoch 94
3329 *****(640/1680) *****
3330 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3331 SCORE: 0.67839 at epoch 93
3332 *****(642/1680) *****
3333 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3334 SCORE: 0.65114 at epoch 76
3335 *****(644/1680) *****
3336 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3337 SCORE: 0.65114 at epoch 76
3338 *****(642/1680) *****
3339 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
```

```
3341 Restoring model weights from the end of the best epoch: 44.
3342 Epoch 51: early stopping
3343 SCORE: 0.67393 at epoch 48
3344
3345 *****(643/1680) *****
3346 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
3347 SCORE: 0.66452 at epoch 91
3348
3349 *****(644/1680) *****
3350 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
3351 Restoring model weights from the end of the best epoch: 58.
3352 Epoch 65: early stopping
3353 SCORE: 0.66898 at epoch 61
3354
3355 *****(645/1680) *****
3356 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
3357 SCORE: 0.63528 at epoch 90
3358
3359 *****(646/1680) *****
3360 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
3361 Restoring model weights from the end of the best epoch: 90.
3362 Epoch 97: early stopping
3363 SCORE: 0.69177 at epoch 90
3364
3365 *****(647/1680) *****
3366 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
3367 SCORE: 0.64916 at epoch 86
3368
3369 *****(648/1680) *****
3370 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, '
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3370 nodecount': 128})  
3371 SCORE: 0.67146 at epoch 99  
3372  
3373 ***** (649/1680) *****  
3374 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
3375 SCORE: 0.62834 at epoch 86  
3376  
3377 ***** (650/1680) *****  
3378 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
3379 SCORE: 0.68781 at epoch 90  
3380  
3381 ***** (651/1680) *****  
3382 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
3383 SCORE: 0.64519 at epoch 66  
3384  
3385 ***** (652/1680) *****  
3386 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
3387 SCORE: 0.67839 at epoch 93  
3388  
3389 ***** (653/1680) *****  
3390 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
3391 SCORE: 0.6447 at epoch 88  
3392  
3393 ***** (654/1680) *****  
3394 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
3395 Restoring model weights from the end of the best epoch: 33.  
3396 Epoch 40: early stopping  
3397 SCORE: 0.66105 at epoch 33  
3398
```

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3399 *****(655/1680) *****
3400 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
3401 Restoring model weights from the end of the best epoch: 81.
3402 Epoch 88: early stopping
3403 SCORE: 0.6556 at epoch 76
3404
3405 *****(656/1680) *****
3406 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
3407 Restoring model weights from the end of the best epoch: 87.
3408 Epoch 94: early stopping
3409 SCORE: 0.66402 at epoch 61
3410
3411 *****(657/1680) *****
3412 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
3413 SCORE: 0.6224 at epoch 87
3414
3415 *****(658/1680) *****
3416 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
3417 Restoring model weights from the end of the best epoch: 58.
3418 Epoch 65: early stopping
3419 SCORE: 0.67047 at epoch 62
3420
3421 *****(659/1680) *****
3422 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
3423 SCORE: 0.63974 at epoch 86
3424
3425 *****(660/1680) *****
3426 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
3427 SCORE: 0.66799 at epoch 99
```

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3428 *****(661/1680) *****
3429 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3430 SCORE: 0.63578 at epoch 95
3431
3432 *****(662/1680) *****
3433 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3434 Restoring model weights from the end of the best epoch: 71.
3435 Epoch 78: early stopping
3436 SCORE: 0.68137 at epoch 70
3437
3438 *****(663/1680) *****
3439 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3440 SCORE: 0.64916 at epoch 76
3441
3442 *****(664/1680) *****
3443 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3444 Restoring model weights from the end of the best epoch: 90.
3445 Epoch 97: early stopping
3446 SCORE: 0.67245 at epoch 89
3447
3448 *****(665/1680) *****
3449 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3450 SCORE: 0.64618 at epoch 87
3451
3452 *****(666/1680) *****
3453 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
3454 Restoring model weights from the end of the best epoch: 44.
3455 Epoch 51: early stopping
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3457 SCORE: 0.67641 at epoch 48
3458
3459 *****(667/1680) *****
3460 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10,
3461 nodecount': 64})
3461 Restoring model weights from the end of the best epoch: 80.
3462 Epoch 87: early stopping
3463 SCORE: 0.65857 at epoch 76
3464
3465 *****(668/1680) *****
3466 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10,
3467 nodecount': 128})
3467 Restoring model weights from the end of the best epoch: 87.
3468 Epoch 94: early stopping
3469 SCORE: 0.68186 at epoch 79
3470
3471 *****(669/1680) *****
3472 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,
3473 nodecount': 32})
3473 SCORE: 0.62983 at epoch 93
3474
3475 *****(670/1680) *****
3476 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,
3477 nodecount': 256})
3477 SCORE: 0.68682 at epoch 89
3478
3479 *****(671/1680) *****
3480 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,
3481 nodecount': 64})
3481 SCORE: 0.64965 at epoch 80
3482
3483 *****(672/1680) *****
3484 Search({'activation': 'relu', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,
3485 nodecount': 128})
3485 SCORE: 0.67245 at epoch 99
```

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3486
3487 *****(673/1680) *****
3488 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3489 SCORE: 0.61992 at epoch 90
3490
3491 *****(674/1680) *****
3492 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3493 Restoring model weights from the end of the best epoch: 74.
3494 Epoch 81: early stopping
3495 SCORE: 0.62488 at epoch 67
3496
3497 *****(675/1680) *****
3498 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3499 SCORE: 0.62834 at epoch 90
3500
3501 *****(676/1680) *****
3502 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3503 SCORE: 0.62289 at epoch 59
3504
3505 *****(677/1680) *****
3506 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3507 SCORE: 0.62934 at epoch 79
3508
3509 *****(678/1680) *****
3510 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
3511 Restoring model weights from the end of the best epoch: 59.
3512 Epoch 66: early stopping
3513 SCORE: 0.62389 at epoch 58
3514
```

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3515 ***** (679/1680) *****
3516 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10,
  nodecount': 64})
3517 Restoring model weights from the end of the best epoch: 84.
3518 Epoch 91: early stopping
3519 SCORE: 0.63132 at epoch 59
3520
3521 **** (680/1680) *****
3522 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10,
  nodecount': 128})
3523 Restoring model weights from the end of the best epoch: 59.
3524 Epoch 66: early stopping
3525 SCORE: 0.62983 at epoch 58
3526
3527 **** (681/1680) *****
3528 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50,
  nodecount': 32})
3529 SCORE: 0.58771 at epoch 93
3530
3531 **** (682/1680) *****
3532 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50,
  nodecount': 256})
3533 SCORE: 0.60803 at epoch 98
3534
3535 **** (683/1680) *****
3536 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50,
  nodecount': 64})
3537 SCORE: 0.61001 at epoch 86
3538
3539 **** (684/1680) *****
3540 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50,
  nodecount': 128})
3541 SCORE: 0.58325 at epoch 63
3542
3543 **** (685/1680) *****
```

File - BaseModel

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3544 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3545 SCORE: 0.61447 at epoch 98
3546
3547 *****(688/1680) *****
3548 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3549 Restoring model weights from the end of the best epoch: 74.
3550 Epoch 81: early stopping
3551 SCORE: 0.62339 at epoch 59
3552
3553 *****(687/1680) *****
3554 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3555 SCORE: 0.61596 at epoch 98
3556
3557 *****(688/1680) *****
3558 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3559 SCORE: 0.61497 at epoch 91
3560
3561 *****(689/1680) *****
3562 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3563 SCORE: 0.62735 at epoch 52
3564
3565 *****(690/1680) *****
3566 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
3567 Restoring model weights from the end of the best epoch: 59.
3568 Epoch 66: early stopping
3569 SCORE: 0.62686 at epoch 58
3570
3571 *****(691/1680) *****
3572 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
```

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3572 nodecount': 64})  
3573 Restoring model weights from the end of the best epoch: 84.  
3574 Epoch 91: early stopping  
3575 SCORE: 0.62686 at epoch 83  
3576  
3577 ***** (692/1680) *****  
3578 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
3579 Restoring model weights from the end of the best epoch: 84.  
3580 Epoch 91: early stopping  
3581 SCORE: 0.64618 at epoch 84  
3582  
3583 ***** (693/1680) *****  
3584 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
3585 Restoring model weights from the end of the best epoch: 90.  
3586 Epoch 97: early stopping  
3587 SCORE: 0.5887 at epoch 65  
3588  
3589 ***** (694/1680) *****  
3590 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
3591 SCORE: 0.611 at epoch 98  
3592  
3593 ***** (695/1680) *****  
3594 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
3595 Restoring model weights from the end of the best epoch: 90.  
3596 Epoch 97: early stopping  
3597 SCORE: 0.61001 at epoch 86  
3598  
3599 ***** (696/1680) *****  
3600 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
3601 Restoring model weights from the end of the best epoch: 82.
```

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3602 Epoch 89: early stopping
3603 SCORE: 0.59068 at epoch 86
3604
3605 *****(697/1680) *****
3606 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 32})
3607 Restoring model weights from the end of the best epoch: 90.
3608 Epoch 97: early stopping
3609 SCORE: 0.60357 at epoch 82
3610
3611 *****(698/1680) *****
3612 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 256})
3613 Restoring model weights from the end of the best epoch: 85.
3614 Epoch 92: early stopping
3615 SCORE: 0.62537 at epoch 91
3616
3617 *****(699/1680) *****
3618 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 64})
3619 SCORE: 0.60505 at epoch 98
3620
3621 *****(700/1680) *****
3622 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 128})
3623 SCORE: 0.61596 at epoch 90
3624
3625 *****(701/1680) *****
3626 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 32})
3627 SCORE: 0.61744 at epoch 100
3628
3629 *****(702/1680) *****
3630 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 256})
```

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3631 Restoring model weights from the end of the best epoch: 59.
3632 Epoch 66: early stopping
3633 SCORE: 0.6338 at epoch 52
3634
3635 *****(703/1680) *****
3636 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 64})
3637 Restoring model weights from the end of the best epoch: 83.
3638 Epoch 90: early stopping
3639 SCORE: 0.63082 at epoch 83
3640
3641 *****(704/1680) *****
3642 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 128})
3643 Restoring model weights from the end of the best epoch: 59.
3644 Epoch 66: early stopping
3645 SCORE: 0.62438 at epoch 59
3646
3647 *****(705/1680) *****
3648 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50,
nodecount': 32})
3649 Restoring model weights from the end of the best epoch: 90.
3650 Epoch 97: early stopping
3651 SCORE: 0.5773 at epoch 88
3652
3653 *****(706/1680) *****
3654 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50,
nodecount': 256})
3655 Restoring model weights from the end of the best epoch: 73.
3656 Epoch 80: early stopping
3657 SCORE: 0.60753 at epoch 63
3658
3659 *****(707/1680) *****
3660 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50,
nodecount': 64})
```

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3661 Restoring model weights from the end of the best epoch: 82.
3662 Epoch 89: early stopping
3663 SCORE: 0.5996 at epoch 82
3664
3665 *****(708/1680) *****
3666 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
3667 Restoring model weights from the end of the best epoch: 82.
3668 Epoch 89: early stopping
3669 SCORE: 0.59465 at epoch 86
3670
3671 *****(709/1680) *****
3672 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3673 SCORE: 0.59564 at epoch 99
3674
3675 *****(710/1680) *****
3676 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3677 Restoring model weights from the end of the best epoch: 84.
3678 Epoch 91: early stopping
3679 SCORE: 0.62389 at epoch 59
3680
3681 *****(711/1680) *****
3682 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3683 SCORE: 0.60951 at epoch 93
3684
3685 *****(712/1680) *****
3686 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3687 SCORE: 0.61596 at epoch 91
3688
3689 *****(713/1680) *****
3690 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
```

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3690 nodecount': 32})  
3691 SCORE: 0.62389 at epoch 83  
3692  
3693 ***** (714/1680) *****  
3694 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10,  
nodecount': 256})  
3695 Restoring model weights from the end of the best epoch: 59.  
3696 Epoch 66: early stopping  
3697 SCORE: 0.62934 at epoch 52  
3698  
3699 ***** (715/1680) *****  
3700 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10,  
nodecount': 64})  
3701 Restoring model weights from the end of the best epoch: 84.  
3702 Epoch 91: early stopping  
3703 SCORE: 0.62438 at epoch 85  
3704  
3705 ***** (716/1680) *****  
3706 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10,  
nodecount': 128})  
3707 Restoring model weights from the end of the best epoch: 59.  
3708 Epoch 66: early stopping  
3709 SCORE: 0.62686 at epoch 59  
3710  
3711 ***** (717/1680) *****  
3712 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,  
nodecount': 32})  
3713 Restoring model weights from the end of the best epoch: 82.  
3714 Epoch 89: early stopping  
3715 SCORE: 0.5887 at epoch 72  
3716  
3717 ***** (718/1680) *****  
3718 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,  
nodecount': 256})  
3719 Restoring model weights from the end of the best epoch: 73.
```

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3720 Epoch 80: early stopping
3721 SCORE: 0.60456 at epoch 63
3722
3723 *****(719/1680) *****
3724 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
3725 Restoring model weights from the end of the best epoch: 82.
3726 Epoch 89: early stopping
3727 SCORE: 0.59762 at epoch 65
3728
3729 *****(720/1680) *****
3730 Search({'activation': 'tanh', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
3731 Restoring model weights from the end of the best epoch: 82.
3732 Epoch 89: early stopping
3733 SCORE: 0.58771 at epoch 65
3734
3735 *****(721/1680) *****
3736 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3737 Restoring model weights from the end of the best epoch: 51.
3738 Epoch 58: early stopping
3739 SCORE: 0.64123 at epoch 49
3740
3741 *****(722/1680) *****
3742 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3743 Restoring model weights from the end of the best epoch: 30.
3744 Epoch 37: early stopping
3745 SCORE: 0.66501 at epoch 36
3746
3747 *****(723/1680) *****
3748 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3749 Restoring model weights from the end of the best epoch: 51.
```

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3750 Epoch 58: early stopping
3751 SCORE: 0.6442 at epoch 49
3752
3753 *****(724/1680) *****
3754 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3755 Restoring model weights from the end of the best epoch: 51.
3756 Epoch 58: early stopping
3757 SCORE: 0.66501 at epoch 42
3758
3759 *****(725/1680) *****
3760 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3761 Restoring model weights from the end of the best epoch: 79.
3762 Epoch 86: early stopping
3763 SCORE: 0.6665 at epoch 73
3764
3765 *****(726/1680) *****
3766 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
3767 Restoring model weights from the end of the best epoch: 51.
3768 Epoch 58: early stopping
3769 SCORE: 0.66848 at epoch 31
3770
3771 *****(727/1680) *****
3772 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
3773 Restoring model weights from the end of the best epoch: 52.
3774 Epoch 59: early stopping
3775 SCORE: 0.65114 at epoch 30
3776
3777 *****(728/1680) *****
3778 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
3779 Restoring model weights from the end of the best epoch: 30.
```

```
3780 Epoch 37: early stopping
3781 SCORE: 0.667 at epoch 30
3782
3783 *****(729/1680) *****
3784 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
3785 Restoring model weights from the end of the best epoch: 82.
3786 Epoch 89: early stopping
3787 SCORE: 0.64272 at epoch 83
3788
3789 *****(730/1680) *****
3790 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
3791 Restoring model weights from the end of the best epoch: 11.
3792 Epoch 18: early stopping
3793 SCORE: 0.61497 at epoch 11
3794
3795 *****(731/1680) *****
3796 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
3797 Restoring model weights from the end of the best epoch: 40.
3798 Epoch 47: early stopping
3799 SCORE: 0.6328 at epoch 40
3800
3801 *****(732/1680) *****
3802 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
3803 Restoring model weights from the end of the best epoch: 11.
3804 Epoch 18: early stopping
3805 SCORE: 0.60704 at epoch 10
3806
3807 *****(733/1680) *****
3808 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3809 Restoring model weights from the end of the best epoch: 51.
```

```
3810 Epoch 58: early stopping
3811 SCORE: 0.64618 at epoch 52
3812
3813 *****(734/1680) *****
3814 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3815 Restoring model weights from the end of the best epoch: 30.
3816 Epoch 37: early stopping
3817 SCORE: 0.66452 at epoch 36
3818
3819 *****(735/1680) *****
3820 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3821 Restoring model weights from the end of the best epoch: 51.
3822 Epoch 58: early stopping
3823 SCORE: 0.64123 at epoch 30
3824
3825 *****(736/1680) *****
3826 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3827 Restoring model weights from the end of the best epoch: 51.
3828 Epoch 58: early stopping
3829 SCORE: 0.66155 at epoch 36
3830
3831 *****(737/1680) *****
3832 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3833 Restoring model weights from the end of the best epoch: 51.
3834 Epoch 58: early stopping
3835 SCORE: 0.63627 at epoch 30
3836
3837 *****(738/1680) *****
3838 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
3839 Restoring model weights from the end of the best epoch: 33.
```

```
3840 Epoch 40: early stopping
3841 SCORE: 0.66501 at epoch 31
3842
3843 *****(739/1680) *****
3844 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
3845 Restoring model weights from the end of the best epoch: 52.
3846 Epoch 59: early stopping
3847 SCORE: 0.64965 at epoch 42
3848
3849 *****(740/1680) *****
3850 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
3851 Restoring model weights from the end of the best epoch: 52.
3852 Epoch 59: early stopping
3853 SCORE: 0.66501 at epoch 30
3854
3855 *****(741/1680) *****
3856 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
3857 Restoring model weights from the end of the best epoch: 51.
3858 Epoch 58: early stopping
3859 SCORE: 0.62488 at epoch 49
3860
3861 *****(742/1680) *****
3862 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
3863 Restoring model weights from the end of the best epoch: 11.
3864 Epoch 18: early stopping
3865 SCORE: 0.62785 at epoch 11
3866
3867 *****(743/1680) *****
3868 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
3869 Restoring model weights from the end of the best epoch: 40.
```

```
3870 Epoch 47: early stopping
3871 SCORE: 0.63429 at epoch 30
3872
3873 *****(744/1680) *****
3874 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
3875 Restoring model weights from the end of the best epoch: 51.
3876 Epoch 58: early stopping
3877 SCORE: 0.64618 at epoch 49
3878
3879 *****(745/1680) *****
3880 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3881 Restoring model weights from the end of the best epoch: 82.
3882 Epoch 89: early stopping
3883 SCORE: 0.64569 at epoch 73
3884
3885 *****(746/1680) *****
3886 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3887 Restoring model weights from the end of the best epoch: 59.
3888 Epoch 66: early stopping
3889 SCORE: 0.65659 at epoch 30
3890
3891 *****(747/1680) *****
3892 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3893 Restoring model weights from the end of the best epoch: 51.
3894 Epoch 58: early stopping
3895 SCORE: 0.63726 at epoch 30
3896
3897 *****(748/1680) *****
3898 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3899 Restoring model weights from the end of the best epoch: 51.
```

```
3900 Epoch 58: early stopping
3901 SCORE: 0.65015 at epoch 30
3902
3903 *****(749/1680) *****
3904 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3905 Restoring model weights from the end of the best epoch: 51.
3906 Epoch 58: early stopping
3907 SCORE: 0.64172 at epoch 30
3908
3909 *****(750/1680) *****
3910 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
3911 Restoring model weights from the end of the best epoch: 30.
3912 Epoch 37: early stopping
3913 SCORE: 0.66105 at epoch 30
3914
3915 *****(751/1680) *****
3916 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
3917 Restoring model weights from the end of the best epoch: 83.
3918 Epoch 90: early stopping
3919 SCORE: 0.6556 at epoch 60
3920
3921 *****(752/1680) *****
3922 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
3923 Restoring model weights from the end of the best epoch: 52.
3924 Epoch 59: early stopping
3925 SCORE: 0.64668 at epoch 30
3926
3927 *****(753/1680) *****
3928 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
3929 Restoring model weights from the end of the best epoch: 82.
```

```
3930 Epoch 89: early stopping
3931 SCORE: 0.64024 at epoch 73
3932
3933 *****(754/1680) *****
3934 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
3935 Restoring model weights from the end of the best epoch: 11.
3936 Epoch 18: early stopping
3937 SCORE: 0.61348 at epoch 11
3938
3939 *****(755/1680) *****
3940 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
3941 Restoring model weights from the end of the best epoch: 51.
3942 Epoch 58: early stopping
3943 SCORE: 0.62834 at epoch 51
3944
3945 *****(756/1680) *****
3946 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
3947 Restoring model weights from the end of the best epoch: 30.
3948 Epoch 37: early stopping
3949 SCORE: 0.64668 at epoch 36
3950
3951 *****(757/1680) *****
3952 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
3953 Restoring model weights from the end of the best epoch: 70.
3954 Epoch 77: early stopping
3955 SCORE: 0.64321 at epoch 73
3956
3957 *****(758/1680) *****
3958 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
3959 Restoring model weights from the end of the best epoch: 30.
```

```
3960 Epoch 37: early stopping
3961 SCORE: 0.67294 at epoch 36
3962
3963 *****(759/1680) *****
3964 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
3965 Restoring model weights from the end of the best epoch: 51.
3966 Epoch 58: early stopping
3967 SCORE: 0.64073 at epoch 49
3968
3969 *****(760/1680) *****
3970 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
3971 Restoring model weights from the end of the best epoch: 51.
3972 Epoch 58: early stopping
3973 SCORE: 0.65659 at epoch 42
3974
3975 *****(761/1680) *****
3976 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
3977 Restoring model weights from the end of the best epoch: 51.
3978 Epoch 58: early stopping
3979 SCORE: 0.64024 at epoch 49
3980
3981 *****(762/1680) *****
3982 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
3983 Restoring model weights from the end of the best epoch: 30.
3984 Epoch 37: early stopping
3985 SCORE: 0.66749 at epoch 30
3986
3987 *****(763/1680) *****
3988 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
3989 Restoring model weights from the end of the best epoch: 74.
```

```
3990 Epoch 81: early stopping
3991 SCORE: 0.66749 at epoch 79
3992
3993 *****(764/1680) *****
3994 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
3995 Restoring model weights from the end of the best epoch: 79.
3996 Epoch 86: early stopping
3997 SCORE: 0.67939 at epoch 80
3998
3999 *****(765/1680) *****
4000 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4001 Restoring model weights from the end of the best epoch: 89.
4002 Epoch 96: early stopping
4003 SCORE: 0.64371 at epoch 83
4004
4005 *****(766/1680) *****
4006 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4007 Restoring model weights from the end of the best epoch: 11.
4008 Epoch 18: early stopping
4009 SCORE: 0.62339 at epoch 10
4010
4011 *****(767/1680) *****
4012 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4013 Restoring model weights from the end of the best epoch: 51.
4014 Epoch 58: early stopping
4015 SCORE: 0.63479 at epoch 31
4016
4017 *****(768/1680) *****
4018 Search({'activation': 'tanh', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4019 Restoring model weights from the end of the best epoch: 30.
```

```
4020 Epoch 37: early stopping
4021 SCORE: 0.65263 at epoch 36
4022
4023 *****(769/1680) *****
4024 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4025 Restoring model weights from the end of the best epoch: 49.
4026 Epoch 56: early stopping
4027 SCORE: 0.64965 at epoch 43
4028
4029 *****(770/1680) *****
4030 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4031 Restoring model weights from the end of the best epoch: 58.
4032 Epoch 65: early stopping
4033 SCORE: 0.68632 at epoch 48
4034
4035 *****(771/1680) *****
4036 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4037 Restoring model weights from the end of the best epoch: 52.
4038 Epoch 59: early stopping
4039 SCORE: 0.6447 at epoch 33
4040
4041 *****(772/1680) *****
4042 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4043 Restoring model weights from the end of the best epoch: 58.
4044 Epoch 65: early stopping
4045 SCORE: 0.67294 at epoch 48
4046
4047 *****(773/1680) *****
4048 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4049 Restoring model weights from the end of the best epoch: 45.
```

```
4050 Epoch 52: early stopping
4051 SCORE: 0.63479 at epoch 29
4052
4053 *****(774/1680) *****
4054 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4055 Restoring model weights from the end of the best epoch: 33.
4056 Epoch 40: early stopping
4057 SCORE: 0.66006 at epoch 40
4058
4059 *****(775/1680) *****
4060 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4061 Restoring model weights from the end of the best epoch: 58.
4062 Epoch 65: early stopping
4063 SCORE: 0.65213 at epoch 46
4064
4065 *****(776/1680) *****
4066 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4067 Restoring model weights from the end of the best epoch: 46.
4068 Epoch 53: early stopping
4069 SCORE: 0.68335 at epoch 44
4070
4071 *****(777/1680) *****
4072 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4073 Restoring model weights from the end of the best epoch: 58.
4074 Epoch 65: early stopping
4075 SCORE: 0.64866 at epoch 60
4076
4077 *****(778/1680) *****
4078 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4079 Restoring model weights from the end of the best epoch: 67.
```

```
4080 Epoch 74: early stopping
4081 SCORE: 0.67047 at epoch 67
4082
4083 *****(779/1680) *****
4084 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4085 Restoring model weights from the end of the best epoch: 90.
4086 Epoch 97: early stopping
4087 SCORE: 0.6556 at epoch 90
4088
4089 *****(780/1680) *****
4090 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4091 Restoring model weights from the end of the best epoch: 79.
4092 Epoch 86: early stopping
4093 SCORE: 0.67542 at epoch 79
4094
4095 *****(781/1680) *****
4096 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4097 SCORE: 0.64569 at epoch 90
4098
4099 *****(782/1680) *****
4100 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4101 Restoring model weights from the end of the best epoch: 24.
4102 Epoch 31: early stopping
4103 SCORE: 0.63627 at epoch 25
4104
4105 *****(783/1680) *****
4106 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4107 Restoring model weights from the end of the best epoch: 77.
4108 Epoch 84: early stopping
4109 SCORE: 0.65956 at epoch 77
```

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4110 *****(784/1680) *****
4111 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25,
4112 nodecount': 128})
4113 Restoring model weights from the end of the best epoch: 69.
4114 Epoch 76: early stopping
4115 SCORE: 0.67146 at epoch 64
4116
4117 *****(785/1680) *****
4118 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10,
4119 nodecount': 32})
4119 Restoring model weights from the end of the best epoch: 47.
4120 Epoch 54: early stopping
4121 SCORE: 0.63429 at epoch 29
4122
4123 *****(786/1680) *****
4124 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10,
4125 nodecount': 256})
4125 Restoring model weights from the end of the best epoch: 46.
4126 Epoch 53: early stopping
4127 SCORE: 0.67096 at epoch 44
4128
4129 *****(787/1680) *****
4130 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10,
4131 nodecount': 64})
4131 Restoring model weights from the end of the best epoch: 58.
4132 Epoch 65: early stopping
4133 SCORE: 0.65808 at epoch 60
4134
4135 *****(788/1680) *****
4136 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10,
4137 nodecount': 128})
4137 Restoring model weights from the end of the best epoch: 35.
4138 Epoch 42: early stopping
4139 SCORE: 0.65907 at epoch 36
```

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4140 *****(789/1680) *****
4141 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4142 SCORE: 0.64618 at epoch 95
4143
4144 *****(790/1680) *****
4145 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4146 Restoring model weights from the end of the best epoch: 7.
4147 Epoch 14: early stopping
4148 SCORE: 0.58226 at epoch 10
4149
4150 *****(791/1680) *****
4151 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4152 SCORE: 0.65907 at epoch 90
4153
4154 *****(792/1680) *****
4155 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4156 Restoring model weights from the end of the best epoch: 49.
4157 Epoch 56: early stopping
4158 SCORE: 0.63429 at epoch 46
4159
4160 *****(793/1680) *****
4161 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4162 Restoring model weights from the end of the best epoch: 78.
4163 Epoch 85: early stopping
4164 SCORE: 0.64024 at epoch 60
4165
4166 *****(794/1680) *****
4167 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
```

```
4169 Restoring model weights from the end of the best epoch: 52.
4170 Epoch 59: early stopping
4171 SCORE: 0.65857 at epoch 48
4172
4173 *****(795/1680) *****
4174 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4175 Restoring model weights from the end of the best epoch: 77.
4176 Epoch 84: early stopping
4177 SCORE: 0.66006 at epoch 83
4178
4179 *****(796/1680) *****
4180 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4181 Restoring model weights from the end of the best epoch: 39.
4182 Epoch 46: early stopping
4183 SCORE: 0.64767 at epoch 39
4184
4185 *****(797/1680) *****
4186 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4187 Restoring model weights from the end of the best epoch: 58.
4188 Epoch 65: early stopping
4189 SCORE: 0.64123 at epoch 52
4190
4191 *****(798/1680) *****
4192 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4193 Restoring model weights from the end of the best epoch: 35.
4194 Epoch 42: early stopping
4195 SCORE: 0.65164 at epoch 35
4196
4197 *****(799/1680) *****
4198 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
```

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4199 Restoring model weights from the end of the best epoch: 47.
4200 Epoch 54: early stopping
4201 SCORE: 0.63677 at epoch 48
4202
4203 *****(800/1680) *****
4204 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 128})
4205 Restoring model weights from the end of the best epoch: 45.
4206 Epoch 52: early stopping
4207 SCORE: 0.65213 at epoch 36
4208
4209 *****(801/1680) *****
4210 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50,
nodecount': 32})
4211 SCORE: 0.63677 at epoch 67
4212
4213 *****(802/1680) *****
4214 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50,
nodecount': 256})
4215 Restoring model weights from the end of the best epoch: 61.
4216 Epoch 68: early stopping
4217 SCORE: 0.66551 at epoch 67
4218
4219 *****(803/1680) *****
4220 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50,
nodecount': 64})
4221 SCORE: 0.6442 at epoch 90
4222
4223 *****(804/1680) *****
4224 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50,
nodecount': 128})
4225 SCORE: 0.66848 at epoch 82
4226
4227 *****(805/1680) *****
4228 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25,
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4228 nodecount': 32})  
4229 Restoring model weights from the end of the best epoch: 61.  
4230 Epoch 68: early stopping  
4231 SCORE: 0.64272 at epoch 39  
4232  
4233 *****(806/1680) ****  
4234 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
4235 Restoring model weights from the end of the best epoch: 24.  
4236 Epoch 31: early stopping  
4237 SCORE: 0.63528 at epoch 20  
4238  
4239 *****(807/1680) ****  
4240 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
4241 Restoring model weights from the end of the best epoch: 77.  
4242 Epoch 84: early stopping  
4243 SCORE: 0.65461 at epoch 70  
4244  
4245 *****(808/1680) ****  
4246 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
4247 Restoring model weights from the end of the best epoch: 52.  
4248 Epoch 59: early stopping  
4249 SCORE: 0.65709 at epoch 42  
4250  
4251 *****(809/1680) ****  
4252 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
4253 Restoring model weights from the end of the best epoch: 58.  
4254 Epoch 65: early stopping  
4255 SCORE: 0.64817 at epoch 60  
4256  
4257 *****(810/1680) ****  
4258 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, '
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4258 nodecount': 256})  
4259 Restoring model weights from the end of the best epoch: 48.  
4260 Epoch 55: early stopping  
4261 SCORE: 0.66501 at epoch 44  
4262  
4263 *****(811/1680) ****  
4264 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10,  
nodecount': 64})  
4265 Restoring model weights from the end of the best epoch: 58.  
4266 Epoch 65: early stopping  
4267 SCORE: 0.64569 at epoch 58  
4268  
4269 *****(812/1680) ****  
4270 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10,  
nodecount': 128})  
4271 Restoring model weights from the end of the best epoch: 44.  
4272 Epoch 51: early stopping  
4273 SCORE: 0.67047 at epoch 46  
4274  
4275 *****(813/1680) ****  
4276 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,  
nodecount': 32})  
4277 Restoring model weights from the end of the best epoch: 90.  
4278 Epoch 97: early stopping  
4279 SCORE: 0.64519 at epoch 78  
4280  
4281 *****(814/1680) ****  
4282 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50,  
nodecount': 256})  
4283 Restoring model weights from the end of the best epoch: 49.  
4284 Epoch 56: early stopping  
4285 SCORE: 0.64024 at epoch 43  
4286  
4287 *****(815/1680) ****  
4288 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, '
```

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4288 nodecount': 64})  
4289 Restoring model weights from the end of the best epoch: 90.  
4290 Epoch 97: early stopping  
4291 SCORE: 0.64965 at epoch 90  
4292  
4293 ***** (816/1680) *****  
4294 Search({'activation': 'tanh', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
4295 Restoring model weights from the end of the best epoch: 79.  
4296 Epoch 86: early stopping  
4297 SCORE: 0.66254 at epoch 82  
4298  
4299 ***** (817/1680) *****  
4300 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
4301 SCORE: 0.65758 at epoch 90  
4302  
4303 ***** (818/1680) *****  
4304 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
4305 Restoring model weights from the end of the best epoch: 48.  
4306 Epoch 55: early stopping  
4307 SCORE: 0.67047 at epoch 48  
4308  
4309 ***** (819/1680) *****  
4310 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
4311 Restoring model weights from the end of the best epoch: 67.  
4312 Epoch 74: early stopping  
4313 SCORE: 0.67245 at epoch 73  
4314  
4315 ***** (820/1680) *****  
4316 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
4317 Restoring model weights from the end of the best epoch: 68.
```

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4318 Epoch 75: early stopping
4319 SCORE: 0.67195 at epoch 61
4320
4321 *****(821/1680) *****
4322 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4323 Restoring model weights from the end of the best epoch: 48.
4324 Epoch 55: early stopping
4325 SCORE: 0.64767 at epoch 35
4326
4327 *****(822/1680) *****
4328 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4329 Restoring model weights from the end of the best epoch: 43.
4330 Epoch 50: early stopping
4331 SCORE: 0.69128 at epoch 43
4332
4333 *****(823/1680) *****
4334 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4335 Restoring model weights from the end of the best epoch: 48.
4336 Epoch 55: early stopping
4337 SCORE: 0.65907 at epoch 40
4338
4339 *****(824/1680) *****
4340 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4341 Restoring model weights from the end of the best epoch: 59.
4342 Epoch 66: early stopping
4343 SCORE: 0.67988 at epoch 56
4344
4345 *****(825/1680) *****
4346 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4347 SCORE: 0.65213 at epoch 79
```

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4348 *****(826/1680) *****
4349 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4350 Restoring model weights from the end of the best epoch: 10.
4351 Epoch 17: early stopping
4352 SCORE: 0.6115 at epoch 10
4353
4354 *****(827/1680) *****
4355 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4356 SCORE: 0.66105 at epoch 99
4357
4358 *****(828/1680) *****
4359 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4360 Restoring model weights from the end of the best epoch: 59.
4361 Epoch 66: early stopping
4362 SCORE: 0.67542 at epoch 59
4363
4364 *****(829/1680) *****
4365 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4366 SCORE: 0.64965 at epoch 90
4367
4368 *****(830/1680) *****
4369 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4370 Restoring model weights from the end of the best epoch: 48.
4371 Epoch 55: early stopping
4372 SCORE: 0.66665 at epoch 48
4373
4374 *****(831/1680) *****
4375 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
```

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4377 Restoring model weights from the end of the best epoch: 70.
4378 Epoch 77: early stopping
4379 SCORE: 0.66997 at epoch 77
4380
4381 *****(832/1680) *****
4382 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4383 Restoring model weights from the end of the best epoch: 68.
4384 Epoch 75: early stopping
4385 SCORE: 0.67641 at epoch 61
4386
4387 *****(833/1680) *****
4388 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4389 Restoring model weights from the end of the best epoch: 47.
4390 Epoch 54: early stopping
4391 SCORE: 0.63627 at epoch 30
4392
4393 *****(834/1680) *****
4394 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4395 Restoring model weights from the end of the best epoch: 43.
4396 Epoch 50: early stopping
4397 SCORE: 0.68137 at epoch 43
4398
4399 *****(835/1680) *****
4400 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4401 Restoring model weights from the end of the best epoch: 58.
4402 Epoch 65: early stopping
4403 SCORE: 0.66452 at epoch 60
4404
4405 *****(836/1680) *****
4406 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
```

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4407 Restoring model weights from the end of the best epoch: 59.
4408 Epoch 66: early stopping
4409 SCORE: 0.67294 at epoch 60
4410
4411 *****(837/1680) *****
4412 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4413 SCORE: 0.64569 at epoch 82
4414
4415 *****(838/1680) *****
4416 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4417 Restoring model weights from the end of the best epoch: 10.
4418 Epoch 17: early stopping
4419 SCORE: 0.60109 at epoch 10
4420
4421 *****(839/1680) *****
4422 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4423 SCORE: 0.65709 at epoch 83
4424
4425 *****(840/1680) *****
4426 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4427 Restoring model weights from the end of the best epoch: 67.
4428 Epoch 74: early stopping
4429 SCORE: 0.66501 at epoch 67
4430
4431 *****(841/1680) *****
4432 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4433 Restoring model weights from the end of the best epoch: 73.
4434 Epoch 80: early stopping
4435 SCORE: 0.64321 at epoch 68
4436
```

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4437 *****(842/1680) *****
4438 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4439 Restoring model weights from the end of the best epoch: 58.
4440 Epoch 65: early stopping
4441 SCORE: 0.65709 at epoch 61
4442
4443 *****(843/1680) *****
4444 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4445 Restoring model weights from the end of the best epoch: 77.
4446 Epoch 84: early stopping
4447 SCORE: 0.65659 at epoch 79
4448
4449 *****(844/1680) *****
4450 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4451 Restoring model weights from the end of the best epoch: 58.
4452 Epoch 65: early stopping
4453 SCORE: 0.66749 at epoch 61
4454
4455 *****(845/1680) *****
4456 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4457 Restoring model weights from the end of the best epoch: 47.
4458 Epoch 54: early stopping
4459 SCORE: 0.64618 at epoch 29
4460
4461 *****(846/1680) *****
4462 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4463 Restoring model weights from the end of the best epoch: 48.
4464 Epoch 55: early stopping
4465 SCORE: 0.66551 at epoch 35
4466
```

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4467 *****(847/1680) *****
4468 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4469 Restoring model weights from the end of the best epoch: 47.
4470 Epoch 54: early stopping
4471 SCORE: 0.64222 at epoch 48
4472
4473 *****(848/1680) *****
4474 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4475 Restoring model weights from the end of the best epoch: 45.
4476 Epoch 52: early stopping
4477 SCORE: 0.65362 at epoch 48
4478
4479 *****(849/1680) *****
4480 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4481 SCORE: 0.63875 at epoch 67
4482
4483 *****(850/1680) *****
4484 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4485 Restoring model weights from the end of the best epoch: 85.
4486 Epoch 92: early stopping
4487 SCORE: 0.67245 at epoch 91
4488
4489 *****(851/1680) *****
4490 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4491 SCORE: 0.64817 at epoch 98
4492
4493 *****(852/1680) *****
4494 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4495 SCORE: 0.67641 at epoch 83
```

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4496 *****(853/1680) *****
4497 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4498 SCORE: 0.64668 at epoch 79
4500
4501 *****(854/1680) *****
4502 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4503 Restoring model weights from the end of the best epoch: 68.
4504 Epoch 75: early stopping
4505 SCORE: 0.66749 at epoch 74
4506
4507 *****(855/1680) *****
4508 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4509 Restoring model weights from the end of the best epoch: 70.
4510 Epoch 77: early stopping
4511 SCORE: 0.6561 at epoch 77
4512
4513 *****(856/1680) *****
4514 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4515 Restoring model weights from the end of the best epoch: 87.
4516 Epoch 94: early stopping
4517 SCORE: 0.67988 at epoch 79
4518
4519 *****(857/1680) *****
4520 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4521 Restoring model weights from the end of the best epoch: 47.
4522 Epoch 54: early stopping
4523 SCORE: 0.63974 at epoch 47
4524
4525 *****(858/1680) *****
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4526 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4527 Restoring model weights from the end of the best epoch: 48.
4528 Epoch 55: early stopping
4529 SCORE: 0.67443 at epoch 43
4530
4531 *****(859/1680) *****
4532 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4533 Restoring model weights from the end of the best epoch: 58.
4534 Epoch 65: early stopping
4535 SCORE: 0.65411 at epoch 60
4536
4537 *****(860/1680) *****
4538 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4539 SCORE: 0.6893 at epoch 99
4540
4541 *****(861/1680) *****
4542 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4543 SCORE: 0.64272 at epoch 60
4544
4545 *****(862/1680) *****
4546 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4547 Restoring model weights from the end of the best epoch: 10.
4548 Epoch 17: early stopping
4549 SCORE: 0.60059 at epoch 14
4550
4551 *****(863/1680) *****
4552 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4553 SCORE: 0.6551 at epoch 90
4554
```

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4555 *****(864/1680) *****
4556 Search({'activation': 'tanh', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4557 Restoring model weights from the end of the best epoch: 79.
4558 Epoch 86: early stopping
4559 SCORE: 0.66303 at epoch 67
4560
4561 *****(865/1680) *****
4562 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4563 SCORE: 0.46977 at epoch 69
4564
4565 *****(866/1680) *****
4566 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4567 SCORE: 0.57582 at epoch 79
4568
4569 *****(867/1680) *****
4570 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4571 SCORE: 0.48712 at epoch 94
4572
4573 *****(868/1680) *****
4574 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4575 SCORE: 0.50297 at epoch 97
4576
4577 *****(869/1680) *****
4578 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4579 SCORE: 0.47621 at epoch 96
4580
4581 *****(870/1680) *****
4582 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
```

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4583 SCORE: 0.59911 at epoch 79
4584
4585 *****(871/1680) *****
4586 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4587 SCORE: 0.49306 at epoch 99
4588
4589 *****(872/1680) *****
4590 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4591 SCORE: 0.51685 at epoch 65
4592
4593 *****(873/1680) *****
4594 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4595 SCORE: 0.47076 at epoch 75
4596
4597 *****(874/1680) *****
4598 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4599 SCORE: 0.5555 at epoch 79
4600
4601 *****(875/1680) *****
4602 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4603 SCORE: 0.48018 at epoch 86
4604
4605 *****(876/1680) *****
4606 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4607 SCORE: 0.48414 at epoch 95
4608
4609 *****(877/1680) *****
4610 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
```

```
4611 SCORE: 0.47027 at epoch 77
4612
4613 *****(878/1680) *****
4614 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4615 SCORE: 0.57532 at epoch 79
4616
4617 *****(879/1680) *****
4618 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4619 SCORE: 0.48513 at epoch 99
4620
4621 *****(880/1680) *****
4622 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4623 SCORE: 0.4995 at epoch 97
4624
4625 *****(881/1680) *****
4626 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4627 SCORE: 0.47126 at epoch 96
4628
4629 *****(882/1680) *****
4630 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4631 SCORE: 0.59762 at epoch 79
4632
4633 *****(883/1680) *****
4634 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4635 SCORE: 0.49108 at epoch 97
4636
4637 *****(884/1680) *****
4638 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
```

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4639 SCORE: 0.51041 at epoch 88
4640
4641 *****(885/1680) *****
4642 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4643 SCORE: 0.47175 at epoch 82
4644
4645 *****(886/1680) *****
4646 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4647 SCORE: 0.54311 at epoch 79
4648
4649 *****(887/1680) *****
4650 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4651 SCORE: 0.47621 at epoch 87
4652
4653 *****(888/1680) *****
4654 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4655 SCORE: 0.48067 at epoch 100
4656
4657 *****(889/1680) *****
4658 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4659 SCORE: 0.46878 at epoch 88
4660
4661 *****(890/1680) *****
4662 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4663 SCORE: 0.57384 at epoch 79
4664
4665 *****(891/1680) *****
4666 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
```

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4667 SCORE: 0.47423 at epoch 99
4668
4669 *****(892/1680) *****
4670 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4671 SCORE: 0.49257 at epoch 95
4672
4673 *****(893/1680) *****
4674 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
4675 SCORE: 0.46928 at epoch 94
4676
4677 *****(894/1680) *****
4678 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4679 SCORE: 0.5887 at epoch 79
4680
4681 *****(895/1680) *****
4682 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4683 SCORE: 0.48117 at epoch 100
4684
4685 *****(896/1680) *****
4686 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4687 SCORE: 0.50248 at epoch 84
4688
4689 *****(897/1680) *****
4690 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4691 SCORE: 0.47175 at epoch 97
4692
4693 *****(898/1680) *****
4694 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
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4695 SCORE: 0.52428 at epoch 87
4696
4697 *****(899/1680) *****
4698 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4699 SCORE: 0.47076 at epoch 99
4700
4701 *****(900/1680) *****
4702 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
4703 SCORE: 0.47473 at epoch 100
4704
4705 *****(901/1680) *****
4706 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
4707 SCORE: 0.46977 at epoch 91
4708
4709 *****(902/1680) *****
4710 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
4711 SCORE: 0.57532 at epoch 79
4712
4713 *****(903/1680) *****
4714 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
4715 SCORE: 0.4782 at epoch 98
4716
4717 *****(904/1680) *****
4718 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
4719 SCORE: 0.49703 at epoch 97
4720
4721 *****(905/1680) *****
4722 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
```

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4723 SCORE: 0.46829 at epoch 81
4724
4725 *****(906/1680) *****
4726 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
4727 SCORE: 0.59217 at epoch 79
4728
4729 *****(907/1680) *****
4730 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4731 SCORE: 0.48612 at epoch 88
4732
4733 *****(908/1680) *****
4734 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4735 SCORE: 0.50595 at epoch 98
4736
4737 *****(909/1680) *****
4738 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4739 SCORE: 0.47076 at epoch 93
4740
4741 *****(910/1680) *****
4742 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4743 SCORE: 0.53419 at epoch 87
4744
4745 *****(911/1680) *****
4746 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
4747 SCORE: 0.47374 at epoch 88
4748
4749 *****(912/1680) *****
4750 Search({'activation': 'tanh', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
```

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4751 SCORE: 0.47721 at epoch 95
4752
4753 *****(913/1680) *****
4754 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 32})
4755 SCORE: 0.33251 at epoch 100
4756
4757 *****(914/1680) *****
4758 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 256})
4759 SCORE: 0.43905 at epoch 100
4760
4761 *****(915/1680) *****
4762 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
4763 SCORE: 0.3781 at epoch 100
4764
4765 *****(916/1680) *****
4766 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
4767 SCORE: 0.42864 at epoch 100
4768
4769 *****(917/1680) *****
4770 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
4771 SCORE: 0.41477 at epoch 99
4772
4773 *****(918/1680) *****
4774 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
4775 SCORE: 0.46977 at epoch 96
4776
4777 *****(919/1680) *****
4778 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
```

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4779 SCORE: 0.42319 at epoch 100
4780
4781 *****(920/1680) *****
4782 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 128})
4783 SCORE: 0.45738 at epoch 97
4784
4785 *****(921/1680) *****
4786 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 32})
4787 SCORE: 0.26165 at epoch 100
4788
4789 *****(922/1680) *****
4790 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 256})
4791 SCORE: 0.40238 at epoch 99
4792
4793 *****(923/1680) *****
4794 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 64})
4795 SCORE: 0.29633 at epoch 100
4796
4797 *****(924/1680) *****
4798 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 128})
4799 SCORE: 0.39247 at epoch 100
4800
4801 *****(925/1680) *****
4802 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 32})
4803 SCORE: 0.32111 at epoch 100
4804
4805 *****(926/1680) *****
4806 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 256})
```

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4807 SCORE: 0.43608 at epoch 100
4808
4809 *****(927/1680) *****
4810 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 64})
4811 SCORE: 0.3662 at epoch 100
4812
4813 *****(928/1680) *****
4814 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 128})
4815 SCORE: 0.4217 at epoch 100
4816
4817 *****(929/1680) *****
4818 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 32})
4819 SCORE: 0.40634 at epoch 100
4820
4821 *****(930/1680) *****
4822 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 256})
4823 SCORE: 0.4663 at epoch 100
4824
4825 *****(931/1680) *****
4826 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 64})
4827 SCORE: 0.41576 at epoch 100
4828
4829 *****(932/1680) *****
4830 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 128})
4831 SCORE: 0.45342 at epoch 100
4832
4833 *****(933/1680) *****
4834 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 32})
```

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4835 SCORE: 0.25421 at epoch 100
4836
4837 *****(934/1680) *****
4838 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 256})
4839 SCORE: 0.39891 at epoch 100
4840
4841 *****(935/1680) *****
4842 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 64})
4843 SCORE: 0.2889 at epoch 100
4844
4845 *****(936/1680) *****
4846 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 128})
4847 SCORE: 0.38751 at epoch 99
4848
4849 *****(937/1680) *****
4850 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 32})
4851 SCORE: 0.2998 at epoch 100
4852
4853 *****(938/1680) *****
4854 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 256})
4855 SCORE: 0.42963 at epoch 99
4856
4857 *****(939/1680) *****
4858 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 64})
4859 SCORE: 0.35084 at epoch 100
4860
4861 *****(940/1680) *****
4862 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 128})
```

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4863 SCORE: 0.40833 at epoch 100
4864
4865 *****(941/1680) *****
4866 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
4867 SCORE: 0.38751 at epoch 100
4868
4869 *****(942/1680) *****
4870 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
4871 SCORE: 0.46184 at epoch 100
4872
4873 *****(943/1680) *****
4874 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
4875 SCORE: 0.40882 at epoch 86
4876
4877 *****(944/1680) *****
4878 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
4879 SCORE: 0.444 at epoch 96
4880
4881 *****(945/1680) *****
4882 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
4883 SCORE: 0.23984 at epoch 99
4884
4885 *****(946/1680) *****
4886 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
4887 SCORE: 0.39594 at epoch 100
4888
4889 *****(947/1680) *****
4890 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
```

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4891 SCORE: 0.26611 at epoch 100
4892
4893 *****(948/1680) *****
4894 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 128})
4895 SCORE: 0.37017 at epoch 100
4896
4897 *****(949/1680) *****
4898 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 32})
4899 SCORE: 0.31169 at epoch 100
4900
4901 *****(950/1680) *****
4902 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 256})
4903 SCORE: 0.43162 at epoch 99
4904
4905 *****(951/1680) *****
4906 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 64})
4907 SCORE: 0.35778 at epoch 100
4908
4909 *****(952/1680) *****
4910 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
        , 'nodecount': 128})
4911 SCORE: 0.41526 at epoch 100
4912
4913 *****(953/1680) *****
4914 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 32})
4915 SCORE: 0.39792 at epoch 100
4916
4917 *****(954/1680) *****
4918 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 256})
```

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4919 SCORE: 0.46531 at epoch 100
4920
4921 *****(955/1680) *****
4922 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 64})
4923 SCORE: 0.4113 at epoch 97
4924
4925 *****(956/1680) *****
4926 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
        , 'nodecount': 128})
4927 SCORE: 0.44698 at epoch 100
4928
4929 *****(957/1680) *****
4930 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 32})
4931 SCORE: 0.24579 at epoch 100
4932
4933 *****(958/1680) *****
4934 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 256})
4935 SCORE: 0.39693 at epoch 100
4936
4937 *****(959/1680) *****
4938 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 64})
4939 SCORE: 0.2775 at epoch 100
4940
4941 *****(960/1680) *****
4942 Search({'activation': 'tanh', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
        , 'nodecount': 128})
4943 SCORE: 0.38008 at epoch 100
4944
4945 *****(961/1680) *****
4946 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
        nodecount': 32})
```

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4947 SCORE: 0.64024 at epoch 82
4948
4949 *****(962/1680) *****
4950 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
4951 nodecount': 256})
4951 Restoring model weights from the end of the best epoch: 77.
4952 Epoch 84: early stopping
4953 SCORE: 0.64073 at epoch 83
4954
4955 *****(963/1680) *****
4956 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
4957 nodecount': 64})
4957 SCORE: 0.63925 at epoch 79
4958
4959 *****(964/1680) *****
4960 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
4961 nodecount': 128})
4961 Restoring model weights from the end of the best epoch: 61.
4962 Epoch 68: early stopping
4963 SCORE: 0.64123 at epoch 57
4964
4965 *****(965/1680) *****
4966 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10,
4967 nodecount': 32})
4967 Restoring model weights from the end of the best epoch: 73.
4968 Epoch 80: early stopping
4969 SCORE: 0.63875 at epoch 69
4970
4971 *****(966/1680) *****
4972 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10,
4973 nodecount': 256})
4973 Restoring model weights from the end of the best epoch: 59.
4974 Epoch 66: early stopping
4975 SCORE: 0.6551 at epoch 59
4976
```

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4977 *****(967/1680) *****
4978 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
4979 Restoring model weights from the end of the best epoch: 73.
4980 Epoch 80: early stopping
4981 SCORE: 0.63231 at epoch 60
4982
4983 *****(968/1680) *****
4984 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
4985 Restoring model weights from the end of the best epoch: 58.
4986 Epoch 65: early stopping
4987 SCORE: 0.65411 at epoch 59
4988
4989 *****(969/1680) *****
4990 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
4991 SCORE: 0.63338 at epoch 88
4992
4993 *****(970/1680) *****
4994 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
4995 Restoring model weights from the end of the best epoch: 33.
4996 Epoch 40: early stopping
4997 SCORE: 0.62785 at epoch 33
4998
4999 *****(971/1680) *****
5000 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5001 Restoring model weights from the end of the best epoch: 69.
5002 Epoch 76: early stopping
5003 SCORE: 0.63033 at epoch 52
5004
5005 *****(972/1680) *****
5006 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
```

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5006 nodecount': 128})  
5007 Restoring model weights from the end of the best epoch: 39.  
5008 Epoch 46: early stopping  
5009 SCORE: 0.6219 at epoch 30  
5010  
5011 ***** (973/1680) *****  
5012 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
5013 SCORE: 0.64073 at epoch 87  
5014  
5015 ***** (974/1680) *****  
5016 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
5017 Restoring model weights from the end of the best epoch: 49.  
5018 Epoch 56: early stopping  
5019 SCORE: 0.62785 at epoch 49  
5020  
5021 ***** (975/1680) *****  
5022 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
5023 SCORE: 0.64073 at epoch 64  
5024  
5025 ***** (976/1680) *****  
5026 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
5027 Restoring model weights from the end of the best epoch: 73.  
5028 Epoch 80: early stopping  
5029 SCORE: 0.64123 at epoch 79  
5030  
5031 ***** (977/1680) *****  
5032 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
5033 Restoring model weights from the end of the best epoch: 73.  
5034 Epoch 80: early stopping  
5035 SCORE: 0.63974 at epoch 68
```

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5036
5037 *****(978/1680) *****
5038 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
5039 SCORE: 0.66006 at epoch 84
5040
5041 *****(979/1680) *****
5042 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5043 Restoring model weights from the end of the best epoch: 73.
5044 Epoch 80: early stopping
5045 SCORE: 0.63726 at epoch 79
5046
5047 *****(980/1680) *****
5048 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5049 Restoring model weights from the end of the best epoch: 58.
5050 Epoch 65: early stopping
5051 SCORE: 0.65263 at epoch 60
5052
5053 *****(981/1680) *****
5054 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5055 SCORE: 0.6219 at epoch 80
5056
5057 *****(982/1680) *****
5058 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5059 SCORE: 0.6561 at epoch 79
5060
5061 *****(983/1680) *****
5062 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5063 Restoring model weights from the end of the best epoch: 90.
5064 Epoch 97: early stopping
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5065 SCORE: 0.63974 at epoch 82
5066
5067 *****(984/1680) *****
5068 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50,
nodecount': 128})
5069 SCORE: 0.65709 at epoch 85
5070
5071 *****(985/1680) *****
5072 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 32})
5073 SCORE: 0.62686 at epoch 80
5074
5075 *****(986/1680) *****
5076 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 256})
5077 Restoring model weights from the end of the best epoch: 61.
5078 Epoch 68: early stopping
5079 SCORE: 0.63429 at epoch 65
5080
5081 *****(987/1680) *****
5082 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 64})
5083 SCORE: 0.64172 at epoch 82
5084
5085 *****(988/1680) *****
5086 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25,
nodecount': 128})
5087 Restoring model weights from the end of the best epoch: 90.
5088 Epoch 97: early stopping
5089 SCORE: 0.64916 at epoch 79
5090
5091 *****(989/1680) *****
5092 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10,
nodecount': 32})
5093 SCORE: 0.63479 at epoch 76
```

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5094 *****(990/1680) *****
5095 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
5096 Restoring model weights from the end of the best epoch: 33.
5097 Epoch 40: early stopping
5098 SCORE: 0.63231 at epoch 33
5099
5100 *****(991/1680) *****
5101 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5102 Restoring model weights from the end of the best epoch: 73.
5103 Epoch 80: early stopping
5104 SCORE: 0.6328 at epoch 47
5105
5106 *****(992/1680) *****
5107 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5108 Restoring model weights from the end of the best epoch: 71.
5109 Epoch 78: early stopping
5110 SCORE: 0.64569 at epoch 73
5111
5112 *****(993/1680) *****
5113 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5114 Restoring model weights from the end of the best epoch: 31.
5115 Epoch 38: early stopping
5116 SCORE: 0.63033 at epoch 19
5117 *****(994/1680) *****
5118 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5119 Restoring model weights from the end of the best epoch: 31.
5120 Epoch 38: early stopping
5121 SCORE: 0.63033 at epoch 19
5122
5123 *****(995/1680) *****
```

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5124 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5125 SCORE: 0.63479 at epoch 93
5126
5127 *****(996/1680) *****
5128 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5129 SCORE: 0.65164 at epoch 85
5130
5131 *****(997/1680) *****
5132 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5133 SCORE: 0.63181 at epoch 87
5134
5135 *****(998/1680) *****
5136 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5137 Restoring model weights from the end of the best epoch: 49.
5138 Epoch 56: early stopping
5139 SCORE: 0.62488 at epoch 33
5140
5141 *****(999/1680) *****
5142 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
5143 SCORE: 0.6447 at epoch 79
5144
5145 *****(1000/1680) *****
5146 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
5147 Restoring model weights from the end of the best epoch: 73.
5148 Epoch 80: early stopping
5149 SCORE: 0.64519 at epoch 79
5150
5151 *****(1001/1680) *****
5152 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, '
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5152 nodecount': 32})  
5153 SCORE: 0.64272 at epoch 95  
5154  
5155 *****(1002/1680)*****  
5156 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
5157 Restoring model weights from the end of the best epoch: 33.  
5158 Epoch 40: early stopping  
5159 SCORE: 0.62686 at epoch 24  
5160  
5161 *****(1003/1680)*****  
5162 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
5163 Restoring model weights from the end of the best epoch: 73.  
5164 Epoch 80: early stopping  
5165 SCORE: 0.6338 at epoch 47  
5166  
5167 *****(1004/1680)*****  
5168 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
5169 Restoring model weights from the end of the best epoch: 70.  
5170 Epoch 77: early stopping  
5171 SCORE: 0.6556 at epoch 73  
5172  
5173 *****(1005/1680)*****  
5174 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
5175 SCORE: 0.61893 at epoch 90  
5176  
5177 *****(1006/1680)*****  
5178 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
5179 Restoring model weights from the end of the best epoch: 31.  
5180 Epoch 38: early stopping  
5181 SCORE: 0.6328 at epoch 30
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5182
5183 *****(1007/1680) *****
5184 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5185 SCORE: 0.64073 at epoch 93
5186
5187 *****(1008/1680) *****
5188 Search({'activation': 'tanh', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5189 SCORE: 0.65213 at epoch 85
5190
5191 *****(1009/1680) *****
5192 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5193 SCORE: 0.47423 at epoch 96
5194
5195 *****(1010/1680) *****
5196 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5197 SCORE: 0.48117 at epoch 98
5198
5199 *****(1011/1680) *****
5200 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
5201 SCORE: 0.47423 at epoch 96
5202
5203 *****(1012/1680) *****
5204 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
5205 SCORE: 0.48216 at epoch 76
5206
5207 *****(1013/1680) *****
5208 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
5209 Restoring model weights from the end of the best epoch: 93.
```

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5210 Epoch 100: early stopping
5211 SCORE: 0.49554 at epoch 80
5212
5213 *****(1014/1680) *****
5214 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
5215 Restoring model weights from the end of the best epoch: 73.
5216 Epoch 80: early stopping
5217 SCORE: 0.48563 at epoch 59
5218
5219 *****(1015/1680) *****
5220 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5221 Restoring model weights from the end of the best epoch: 93.
5222 Epoch 100: early stopping
5223 SCORE: 0.52032 at epoch 89
5224
5225 *****(1016/1680) *****
5226 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5227 Restoring model weights from the end of the best epoch: 73.
5228 Epoch 80: early stopping
5229 SCORE: 0.48365 at epoch 61
5230
5231 *****(1017/1680) *****
5232 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5233 SCORE: 0.45788 at epoch 88
5234
5235 *****(1018/1680) *****
5236 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5237 SCORE: 0.45937 at epoch 78
5238
5239 *****(1019/1680) *****
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5240 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5241 SCORE: 0.46085 at epoch 82
5242
5243 **** (1020/1680) ****
5244 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5245 SCORE: 0.45837 at epoch 39
5246
5247 **** (1021/1680) ****
5248 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5249 SCORE: 0.47027 at epoch 93
5250
5251 **** (1022/1680) ****
5252 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5253 Restoring model weights from the end of the best epoch: 84.
5254 Epoch 91: early stopping
5255 SCORE: 0.47126 at epoch 87
5256
5257 **** (1023/1680) ****
5258 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
5259 SCORE: 0.47423 at epoch 93
5260
5261 **** (1024/1680) ****
5262 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
5263 SCORE: 0.47027 at epoch 78
5264
5265 **** (1025/1680) ****
5266 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
5267 Restoring model weights from the end of the best epoch: 93.
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5268 Epoch 100: early stopping
5269 SCORE: 0.48464 at epoch 87
5270
5271 *****(1026/1680) *****
5272 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
5273 Restoring model weights from the end of the best epoch: 73.
5274 Epoch 80: early stopping
5275 SCORE: 0.48018 at epoch 79
5276
5277 *****(1027/1680) *****
5278 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5279 SCORE: 0.50644 at epoch 47
5280
5281 *****(1028/1680) *****
5282 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5283 SCORE: 0.49703 at epoch 30
5284
5285 *****(1029/1680) *****
5286 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5287 SCORE: 0.45559 at epoch 54
5288
5289 *****(1030/1680) *****
5290 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5291 SCORE: 0.45986 at epoch 72
5292
5293 *****(1031/1680) *****
5294 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5295 SCORE: 0.45689 at epoch 86
5296
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5297 *****(1032/1680) *****
5298 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5299 SCORE: 0.46085 at epoch 33
5300
5301 *****(1033/1680) *****
5302 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5303 SCORE: 0.4663 at epoch 78
5304
5305 *****(1034/1680) *****
5306 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5307 Restoring model weights from the end of the best epoch: 85.
5308 Epoch 92: early stopping
5309 SCORE: 0.47275 at epoch 87
5310
5311 *****(1035/1680) *****
5312 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
5313 SCORE: 0.46482 at epoch 93
5314
5315 *****(1036/1680) *****
5316 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
5317 SCORE: 0.46333 at epoch 72
5318
5319 *****(1037/1680) *****
5320 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
5321 SCORE: 0.48117 at epoch 82
5322
5323 *****(1038/1680) *****
5324 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
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5325 Restoring model weights from the end of the best epoch: 74.
5326 Epoch 81: early stopping
5327 SCORE: 0.47324 at epoch 58
5328
5329 *****(1039/1680) *****
5330 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5331 Restoring model weights from the end of the best epoch: 82.
5332 Epoch 89: early stopping
5333 SCORE: 0.4782 at epoch 64
5334
5335 *****(1040/1680) *****
5336 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5337 SCORE: 0.47919 at epoch 93
5338
5339 *****(1041/1680) *****
5340 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5341 SCORE: 0.45193 at epoch 88
5342
5343 *****(1042/1680) *****
5344 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5345 SCORE: 0.45788 at epoch 58
5346
5347 *****(1043/1680) *****
5348 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5349 SCORE: 0.45193 at epoch 96
5350
5351 *****(1044/1680) *****
5352 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5353 SCORE: 0.45491 at epoch 39
```

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5354 *****(1045/1680) *****
5355 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5356 SCORE: 0.46928 at epoch 90
5358
5359 *****(1046/1680) *****
5360 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5361 Restoring model weights from the end of the best epoch: 84.
5362 Epoch 91: early stopping
5363 SCORE: 0.46581 at epoch 90
5364
5365 *****(1047/1680) *****
5366 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
5367 SCORE: 0.47374 at epoch 76
5368
5369 *****(1048/1680) *****
5370 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
5371 SCORE: 0.4668 at epoch 78
5372
5373 *****(1049/1680) *****
5374 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
5375 Restoring model weights from the end of the best epoch: 82.
5376 Epoch 89: early stopping
5377 SCORE: 0.48167 at epoch 82
5378
5379 *****(1050/1680) *****
5380 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
5381 Restoring model weights from the end of the best epoch: 74.
5382 Epoch 81: early stopping
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5383 SCORE: 0.47621 at epoch 60
5384
5385 ***** (1051/1680) *****
5386 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5387 Restoring model weights from the end of the best epoch: 82.
5388 Epoch 89: early stopping
5389 SCORE: 0.48959 at epoch 47
5390
5391 ***** (1052/1680) *****
5392 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5393 SCORE: 0.48414 at epoch 89
5394
5395 ***** (1053/1680) *****
5396 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5397 SCORE: 0.45441 at epoch 58
5398
5399 ***** (1054/1680) *****
5400 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5401 SCORE: 0.45837 at epoch 72
5402
5403 ***** (1055/1680) *****
5404 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5405 SCORE: 0.45837 at epoch 84
5406
5407 ***** (1056/1680) *****
5408 Search({'activation': 'sigmoid', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5409 SCORE: 0.45837 at epoch 33
5410
5411 ***** (1057/1680) *****
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5412 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 32})
5413 Restoring model weights from the end of the best epoch: 73.
5414 Epoch 80: early stopping
5415 SCORE: 0.55699 at epoch 61
5416
5417 *****(1058/1680) *****
5418 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 256})
5419 Restoring model weights from the end of the best epoch: 67.
5420 Epoch 74: early stopping
5421 SCORE: 0.61348 at epoch 67
5422
5423 *****(1059/1680) *****
5424 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 64})
5425 Restoring model weights from the end of the best epoch: 33.
5426 Epoch 40: early stopping
5427 SCORE: 0.56145 at epoch 40
5428
5429 *****(1060/1680) *****
5430 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 128})
5431 Restoring model weights from the end of the best epoch: 33.
5432 Epoch 40: early stopping
5433 SCORE: 0.58176 at epoch 40
5434
5435 *****(1061/1680) *****
5436 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 32})
5437 Restoring model weights from the end of the best epoch: 84.
5438 Epoch 91: early stopping
5439 SCORE: 0.600803 at epoch 90
5440
5441 *****(1062/1680) *****
```

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5442 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 256})
5443 Restoring model weights from the end of the best epoch: 52.
5444 Epoch 59: early stopping
5445 SCORE: 0.61695 at epoch 58
5446
5447 *****(1063/1680) *****
5448 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 64})
5449 Restoring model weights from the end of the best epoch: 33.
5450 Epoch 40: early stopping
5451 SCORE: 0.56541 at epoch 33
5452
5453 *****(1064/1680) *****
5454 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 128})
5455 Restoring model weights from the end of the best epoch: 67.
5456 Epoch 74: early stopping
5457 SCORE: 0.61596 at epoch 67
5458
5459 *****(1065/1680) *****
5460 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 32})
5461 Restoring model weights from the end of the best epoch: 82.
5462 Epoch 89: early stopping
5463 SCORE: 0.5555 at epoch 89
5464
5465 *****(1066/1680) *****
5466 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 256})
5467 Restoring model weights from the end of the best epoch: 70.
5468 Epoch 77: early stopping
5469 SCORE: 0.60456 at epoch 70
5470
5471 *****(1067/1680) *****
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5472 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
5473 Restoring model weights from the end of the best epoch: 59.
5474 Epoch 66: early stopping
5475 SCORE: 0.56739 at epoch 61
5476
5477 *****(1068/1680) *****
5478 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
5479 Restoring model weights from the end of the best epoch: 44.
5480 Epoch 51: early stopping
5481 SCORE: 0.56293 at epoch 40
5482
5483 *****(1069/1680) *****
5484 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 32})
5485 Restoring model weights from the end of the best epoch: 30.
5486 Epoch 37: early stopping
5487 SCORE: 0.50446 at epoch 31
5488
5489 *****(1070/1680) *****
5490 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 256})
5491 Restoring model weights from the end of the best epoch: 16.
5492 Epoch 23: early stopping
5493 SCORE: 0.53518 at epoch 21
5494
5495 *****(1071/1680) *****
5496 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
5497 Restoring model weights from the end of the best epoch: 59.
5498 Epoch 66: early stopping
5499 SCORE: 0.56739 at epoch 61
5500
5501 *****(1072/1680) *****
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5502 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 128})
5503 Restoring model weights from the end of the best epoch: 16.
5504 Epoch 23: early stopping
5505 SCORE: 0.50545 at epoch 17
5506
5507 *****(1073/1680) *****
5508 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 32})
5509 Restoring model weights from the end of the best epoch: 59.
5510 Epoch 66: early stopping
5511 SCORE: 0.56244 at epoch 61
5512
5513 *****(1074/1680) *****
5514 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 256})
5515 Restoring model weights from the end of the best epoch: 33.
5516 Epoch 40: early stopping
5517 SCORE: 0.57235 at epoch 33
5518
5519 *****(1075/1680) *****
5520 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 64})
5521 Restoring model weights from the end of the best epoch: 33.
5522 Epoch 40: early stopping
5523 SCORE: 0.55203 at epoch 40
5524
5525 *****(1076/1680) *****
5526 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 128})
5527 Restoring model weights from the end of the best epoch: 33.
5528 Epoch 40: early stopping
5529 SCORE: 0.58276 at epoch 33
5530
5531 *****(1077/1680) *****
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5532 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 32})
5533 Restoring model weights from the end of the best epoch: 50.
5534 Epoch 57: early stopping
5535 SCORE: 0.50991 at epoch 41
5536
5537 *****(1078/1680) *****
5538 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 256})
5539 Restoring model weights from the end of the best epoch: 44.
5540 Epoch 51: early stopping
5541 SCORE: 0.57235 at epoch 40
5542
5543 *****(1079/1680) *****
5544 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 64})
5545 Restoring model weights from the end of the best epoch: 30.
5546 Epoch 37: early stopping
5547 SCORE: 0.50892 at epoch 27
5548
5549 *****(1080/1680) *****
5550 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 128})
5551 Restoring model weights from the end of the best epoch: 33.
5552 Epoch 40: early stopping
5553 SCORE: 0.54708 at epoch 36
5554
5555 *****(1081/1680) *****
5556 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 32})
5557 Restoring model weights from the end of the best epoch: 39.
5558 Epoch 46: early stopping
5559 SCORE: 0.49604 at epoch 29
5560
5561 *****(1082/1680) *****
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5562 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 256})
5563 Restoring model weights from the end of the best epoch: 16.
5564 Epoch 23: early stopping
5565 SCORE: 0.5005 at epoch 16
5566
5567 *****(1083/1680) *****
5568 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 64})
5569 Restoring model weights from the end of the best epoch: 30.
5570 Epoch 37: early stopping
5571 SCORE: 0.50595 at epoch 36
5572
5573 *****(1084/1680) *****
5574 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
      , 'nodecount': 128})
5575 Restoring model weights from the end of the best epoch: 33.
5576 Epoch 40: early stopping
5577 SCORE: 0.54658 at epoch 40
5578
5579 *****(1085/1680) *****
5580 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 32})
5581 Restoring model weights from the end of the best epoch: 73.
5582 Epoch 80: early stopping
5583 SCORE: 0.55253 at epoch 73
5584
5585 *****(1086/1680) *****
5586 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 256})
5587 Restoring model weights from the end of the best epoch: 16.
5588 Epoch 23: early stopping
5589 SCORE: 0.55649 at epoch 16
5590
5591 *****(1087/1680) *****
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5592 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 64})
5593 Restoring model weights from the end of the best epoch: 16.
5594 Epoch 23: early stopping
5595 SCORE: 0.50297 at epoch 19
5596
5597 *****(1088/1680) *****
5598 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 128})
5599 Restoring model weights from the end of the best epoch: 44.
5600 Epoch 51: early stopping
5601 SCORE: 0.56343 at epoch 30
5602
5603 *****(1089/1680) *****
5604 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 32})
5605 Restoring model weights from the end of the best epoch: 50.
5606 Epoch 57: early stopping
5607 SCORE: 0.49653 at epoch 41
5608
5609 *****(1090/1680) *****
5610 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 256})
5611 Restoring model weights from the end of the best epoch: 74.
5612 Epoch 81: early stopping
5613 SCORE: 0.57185 at epoch 56
5614
5615 *****(1091/1680) *****
5616 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 64})
5617 Restoring model weights from the end of the best epoch: 30.
5618 Epoch 37: early stopping
5619 SCORE: 0.50644 at epoch 27
5620
5621 *****(1092/1680) *****
```

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5622 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
5623 Restoring model weights from the end of the best epoch: 30.
5624 Epoch 37: early stopping
5625 SCORE: 0.51933 at epoch 36
5626
5627 *****(1093/1680) *****
5628 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
5629 Restoring model weights from the end of the best epoch: 39.
5630 Epoch 46: early stopping
5631 SCORE: 0.5 at epoch 31
5632
5633 *****(1094/1680) *****
5634 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
5635 Restoring model weights from the end of the best epoch: 16.
5636 Epoch 23: early stopping
5637 SCORE: 0.50446 at epoch 16
5638
5639 *****(1095/1680) *****
5640 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
5641 Restoring model weights from the end of the best epoch: 30.
5642 Epoch 37: early stopping
5643 SCORE: 0.52428 at epoch 36
5644
5645 *****(1096/1680) *****
5646 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
5647 Restoring model weights from the end of the best epoch: 33.
5648 Epoch 40: early stopping
5649 SCORE: 0.56046 at epoch 40
5650
5651 *****(1097/1680) *****
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5652 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 32})
5653 Restoring model weights from the end of the best epoch: 30.
5654 Epoch 37: early stopping
5655 SCORE: 0.52428 at epoch 36
5656
5657 *****(1098/1680) *****
5658 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 256})
5659 Restoring model weights from the end of the best epoch: 33.
5660 Epoch 40: early stopping
5661 SCORE: 0.56591 at epoch 33
5662
5663 *****(1099/1680) *****
5664 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 64})
5665 Restoring model weights from the end of the best epoch: 33.
5666 Epoch 40: early stopping
5667 SCORE: 0.55401 at epoch 40
5668
5669 *****(1100/1680) *****
5670 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
      , 'nodecount': 128})
5671 Restoring model weights from the end of the best epoch: 30.
5672 Epoch 37: early stopping
5673 SCORE: 0.57185 at epoch 25
5674
5675 *****(1101/1680) *****
5676 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
      , 'nodecount': 32})
5677 Restoring model weights from the end of the best epoch: 52.
5678 Epoch 59: early stopping
5679 SCORE: 0.49356 at epoch 49
5680
5681 *****(1102/1680) *****
```

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5682 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
5683 Restoring model weights from the end of the best epoch: 67.
5684 Epoch 74: early stopping
5685 SCORE: 0.58622 at epoch 74
5686
5687 *****(1103/1680) *****
5688 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
5689 Restoring model weights from the end of the best epoch: 30.
5690 Epoch 37: early stopping
5691 SCORE: 0.51388 at epoch 27
5692
5693 *****(1104/1680) *****
5694 Search({'activation': 'sigmoid', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
5695 Restoring model weights from the end of the best epoch: 30.
5696 Epoch 37: early stopping
5697 SCORE: 0.52973 at epoch 36
5698
5699 *****(1105/1680) *****
5700 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
  nodecount': 32})
5701 Restoring model weights from the end of the best epoch: 90.
5702 Epoch 97: early stopping
5703 SCORE: 0.57681 at epoch 94
5704
5705 *****(1106/1680) *****
5706 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
  nodecount': 256})
5707 Restoring model weights from the end of the best epoch: 24.
5708 Epoch 31: early stopping
5709 SCORE: 0.52527 at epoch 24
5710
5711 *****(1107/1680) *****
```

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5712 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
5713 SCORE: 0.61546 at epoch 89  
5714  
5715 ***** (1108/1680) *****  
5716 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
5717 Restoring model weights from the end of the best epoch: 69.  
5718 Epoch 76: early stopping  
5719 SCORE: 0.62091 at epoch 74  
5720  
5721 ***** (1109/1680) *****  
5722 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
5723 Restoring model weights from the end of the best epoch: 93.  
5724 Epoch 100: early stopping  
5725 SCORE: 0.61645 at epoch 94  
5726  
5727 ***** (1110/1680) *****  
5728 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
5729 Restoring model weights from the end of the best epoch: 59.  
5730 Epoch 66: early stopping  
5731 SCORE: 0.62091 at epoch 45  
5732  
5733 ***** (1111/1680) *****  
5734 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
5735 Restoring model weights from the end of the best epoch: 33.  
5736 Epoch 40: early stopping  
5737 SCORE: 0.57631 at epoch 40  
5738  
5739 ***** (1112/1680) *****  
5740 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
```

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5741 Restoring model weights from the end of the best epoch: 74.
5742 Epoch 81: early stopping
5743 SCORE: 0.62537 at epoch 73
5744
5745 *****(1113/1680) *****
5746 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5747 SCORE: 0.55154 at epoch 98
5748
5749 *****(1114/1680) *****
5750 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5751 SCORE: 0.61893 at epoch 90
5752
5753 *****(1115/1680) *****
5754 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5755 Restoring model weights from the end of the best epoch: 90.
5756 Epoch 97: early stopping
5757 SCORE: 0.59465 at epoch 93
5758
5759 *****(1116/1680) *****
5760 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5761 Restoring model weights from the end of the best epoch: 70.
5762 Epoch 77: early stopping
5763 SCORE: 0.59217 at epoch 69
5764
5765 *****(1117/1680) *****
5766 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5767 Restoring model weights from the end of the best epoch: 78.
5768 Epoch 85: early stopping
5769 SCORE: 0.52428 at epoch 80
5770
```

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5771 ***** (1118/1680) *****
5772 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5773 Restoring model weights from the end of the best epoch: 24.
5774 Epoch 31: early stopping
5775 SCORE: 0.5555 at epoch 28
5776
5777 ***** (1119/1680) *****
5778 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
5779 Restoring model weights from the end of the best epoch: 30.
5780 Epoch 37: early stopping
5781 SCORE: 0.51388 at epoch 34
5782
5783 ***** (1120/1680) *****
5784 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
5785 Restoring model weights from the end of the best epoch: 69.
5786 Epoch 76: early stopping
5787 SCORE: 0.60406 at epoch 52
5788
5789 ***** (1121/1680) *****
5790 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
5791 Restoring model weights from the end of the best epoch: 69.
5792 Epoch 76: early stopping
5793 SCORE: 0.52924 at epoch 58
5794
5795 ***** (1122/1680) *****
5796 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
5797 Restoring model weights from the end of the best epoch: 73.
5798 Epoch 80: early stopping
5799 SCORE: 0.62834 at epoch 73
5800
```

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5801 *****(1123/1680) *****
5802 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5803 Restoring model weights from the end of the best epoch: 33.
5804 Epoch 40: early stopping
5805 SCORE: 0.56293 at epoch 30
5806
5807 *****(1124/1680) *****
5808 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5809 Restoring model weights from the end of the best epoch: 24.
5810 Epoch 31: early stopping
5811 SCORE: 0.56293 at epoch 28
5812
5813 *****(1125/1680) *****
5814 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5815 Restoring model weights from the end of the best epoch: 48.
5816 Epoch 55: early stopping
5817 SCORE: 0.49901 at epoch 54
5818
5819 *****(1126/1680) *****
5820 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5821 Restoring model weights from the end of the best epoch: 30.
5822 Epoch 37: early stopping
5823 SCORE: 0.55203 at epoch 27
5824
5825 *****(1127/1680) *****
5826 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5827 Restoring model weights from the end of the best epoch: 76.
5828 Epoch 83: early stopping
5829 SCORE: 0.56095 at epoch 76
5830
```

```
5831 ***** (1128/1680) *****
5832 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5833 Restoring model weights from the end of the best epoch: 59.
5834 Epoch 66: early stopping
5835 SCORE: 0.58226 at epoch 52
5836
5837 ***** (1129/1680) *****
5838 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5839 Restoring model weights from the end of the best epoch: 39.
5840 Epoch 46: early stopping
5841 SCORE: 0.49306 at epoch 25
5842
5843 ***** (1130/1680) *****
5844 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5845 Restoring model weights from the end of the best epoch: 42.
5846 Epoch 49: early stopping
5847 SCORE: 0.56789 at epoch 34
5848
5849 ***** (1131/1680) *****
5850 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
5851 Restoring model weights from the end of the best epoch: 30.
5852 Epoch 37: early stopping
5853 SCORE: 0.49356 at epoch 34
5854
5855 ***** (1132/1680) *****
5856 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
5857 Restoring model weights from the end of the best epoch: 30.
5858 Epoch 37: early stopping
5859 SCORE: 0.52725 at epoch 36
5860
```

```
5861 ***** (1133/1680) *****
5862 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
5863 Restoring model weights from the end of the best epoch: 30.
5864 Epoch 37: early stopping
5865 SCORE: 0.50347 at epoch 27
5866
5867 ***** (1134/1680) *****
5868 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
5869 Restoring model weights from the end of the best epoch: 73.
5870 Epoch 80: early stopping
5871 SCORE: 0.61843 at epoch 77
5872
5873 ***** (1135/1680) *****
5874 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
5875 Restoring model weights from the end of the best epoch: 30.
5876 Epoch 37: early stopping
5877 SCORE: 0.51487 at epoch 30
5878
5879 ***** (1136/1680) *****
5880 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
5881 Restoring model weights from the end of the best epoch: 93.
5882 Epoch 100: early stopping
5883 SCORE: 0.61447 at epoch 93
5884
5885 ***** (1137/1680) *****
5886 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
5887 Restoring model weights from the end of the best epoch: 65.
5888 Epoch 72: early stopping
5889 SCORE: 0.49356 at epoch 54
5890
```

```
5891 *****(1138/1680) *****
5892 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
5893 Restoring model weights from the end of the best epoch: 30.
5894 Epoch 37: early stopping
5895 SCORE: 0.50694 at epoch 29
5896
5897 *****(1139/1680) *****
5898 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
5899 Restoring model weights from the end of the best epoch: 76.
5900 Epoch 83: early stopping
5901 SCORE: 0.5337 at epoch 64
5902
5903 *****(1140/1680) *****
5904 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
5905 Restoring model weights from the end of the best epoch: 82.
5906 Epoch 89: early stopping
5907 SCORE: 0.57235 at epoch 82
5908
5909 *****(1141/1680) *****
5910 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
5911 SCORE: 0.53171 at epoch 76
5912
5913 *****(1142/1680) *****
5914 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
5915 Restoring model weights from the end of the best epoch: 24.
5916 Epoch 31: early stopping
5917 SCORE: 0.54509 at epoch 31
5918
5919 *****(1143/1680) *****
5920 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, '
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5920 nodecount': 64})  
5921 Restoring model weights from the end of the best epoch: 30.  
5922 Epoch 37: early stopping  
5923 SCORE: 0.50149 at epoch 34  
5924  
5925 ***** (1144/1680) *****  
5926 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
5927 Restoring model weights from the end of the best epoch: 30.  
5928 Epoch 37: early stopping  
5929 SCORE: 0.52676 at epoch 34  
5930  
5931 ***** (1145/1680) *****  
5932 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
5933 Restoring model weights from the end of the best epoch: 30.  
5934 Epoch 37: early stopping  
5935 SCORE: 0.50644 at epoch 27  
5936  
5937 ***** (1146/1680) *****  
5938 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
5939 Restoring model weights from the end of the best epoch: 24.  
5940 Epoch 31: early stopping  
5941 SCORE: 0.59068 at epoch 25  
5942  
5943 ***** (1147/1680) *****  
5944 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
5945 Restoring model weights from the end of the best epoch: 42.  
5946 Epoch 49: early stopping  
5947 SCORE: 0.57334 at epoch 43  
5948  
5949 ***** (1148/1680) *****  
5950 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, '
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5950 nodecount': 128})  
5951 Restoring model weights from the end of the best epoch: 24.  
5952 Epoch 31: early stopping  
5953 SCORE: 0.55996 at epoch 25  
5954  
5955 ***** (1149/1680) *****  
5956 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
5957 Restoring model weights from the end of the best epoch: 50.  
5958 Epoch 57: early stopping  
5959 SCORE: 0.49306 at epoch 54  
5960  
5961 ***** (1150/1680) *****  
5962 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
5963 Restoring model weights from the end of the best epoch: 30.  
5964 Epoch 37: early stopping  
5965 SCORE: 0.53617 at epoch 36  
5966  
5967 ***** (1151/1680) *****  
5968 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
5969 Restoring model weights from the end of the best epoch: 76.  
5970 Epoch 83: early stopping  
5971 SCORE: 0.54609 at epoch 64  
5972  
5973 ***** (1152/1680) *****  
5974 Search({'activation': 'sigmoid', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
5975 Restoring model weights from the end of the best epoch: 59.  
5976 Epoch 66: early stopping  
5977 SCORE: 0.55847 at epoch 52  
5978  
5979 ***** (1153/1680) *****  
5980 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25}
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5980 , 'nodecount': 32})  
5981 Restoring model weights from the end of the best epoch: 90.  
5982 Epoch 97: early stopping  
5983 SCORE: 0.57681 at epoch 94  
5984  
5985 ***** (1154/1680) *****  
5986 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25  
'nodecount': 256})  
5987 Restoring model weights from the end of the best epoch: 74.  
5988 Epoch 81: early stopping  
5989 SCORE: 0.62389 at epoch 77  
5990  
5991 ***** (1155/1680) *****  
5992 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25  
'nodecount': 64})  
5993 SCORE: 0.61843 at epoch 89  
5994  
5995 ***** (1156/1680) *****  
5996 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25  
'nodecount': 128})  
5997 SCORE: 0.62289 at epoch 94  
5998  
5999 ***** (1157/1680) *****  
6000 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10  
'nodecount': 32})  
6001 SCORE: 0.61744 at epoch 94  
6002  
6003 ***** (1158/1680) *****  
6004 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10  
'nodecount': 256})  
6005 Restoring model weights from the end of the best epoch: 48.  
6006 Epoch 55: early stopping  
6007 SCORE: 0.61893 at epoch 46  
6008  
6009 ***** (1159/1680) *****
```

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6010 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6011 Restoring model weights from the end of the best epoch: 33.
6012 Epoch 40: early stopping
6013 SCORE: 0.57631 at epoch 40
6014
6015 *****(1160/1680) *****
6016 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6017 Restoring model weights from the end of the best epoch: 74.
6018 Epoch 81: early stopping
6019 SCORE: 0.62289 at epoch 73
6020
6021 *****(1161/1680) *****
6022 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6023 SCORE: 0.55253 at epoch 94
6024
6025 *****(1162/1680) *****
6026 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6027 Restoring model weights from the end of the best epoch: 80.
6028 Epoch 87: early stopping
6029 SCORE: 0.60704 at epoch 85
6030
6031 *****(1163/1680) *****
6032 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6033 Restoring model weights from the end of the best epoch: 93.
6034 Epoch 100: early stopping
6035 SCORE: 0.58077 at epoch 93
6036
6037 *****(1164/1680) *****
6038 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
```

```
6039 SCORE: 0.61695 at epoch 90
6040
6041 ***** (1165/1680) *****
6042 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6043 Restoring model weights from the end of the best epoch: 78.
6044 Epoch 85: early stopping
6045 SCORE: 0.5337 at epoch 78
6046
6047 ***** (1166/1680) *****
6048 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
6049 Restoring model weights from the end of the best epoch: 24.
6050 Epoch 31: early stopping
6051 SCORE: 0.57532 at epoch 25
6052
6053 ***** (1167/1680) *****
6054 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
6055 Restoring model weights from the end of the best epoch: 30.
6056 Epoch 37: early stopping
6057 SCORE: 0.52032 at epoch 27
6058
6059 ***** (1168/1680) *****
6060 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
6061 Restoring model weights from the end of the best epoch: 93.
6062 Epoch 100: early stopping
6063 SCORE: 0.61051 at epoch 62
6064
6065 ***** (1169/1680) *****
6066 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6067 Restoring model weights from the end of the best epoch: 69.
6068 Epoch 76: early stopping
```

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6069 SCORE: 0.53964 at epoch 71
6070
6071 *****(1170/1680) *****
6072 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
)
6073 Restoring model weights from the end of the best epoch: 52.
6074 Epoch 59: early stopping
6075 SCORE: 0.611 at epoch 49
6076
6077 *****(1171/1680) *****
6078 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
)
6079 Restoring model weights from the end of the best epoch: 33.
6080 Epoch 40: early stopping
6081 SCORE: 0.56442 at epoch 30
6082
6083 *****(1172/1680) *****
6084 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
)
6085 Restoring model weights from the end of the best epoch: 24.
6086 Epoch 31: early stopping
6087 SCORE: 0.55302 at epoch 31
6088
6089 *****(1173/1680) *****
6090 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
)
6091 SCORE: 0.52577 at epoch 91
6092
6093 *****(1174/1680) *****
6094 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
)
6095 Restoring model weights from the end of the best epoch: 80.
6096 Epoch 87: early stopping
6097 SCORE: 0.60258 at epoch 57
6098
```

```
6099 *****(1175/1680) *****
6100 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6101 Restoring model weights from the end of the best epoch: 93.
6102 Epoch 100: early stopping
6103 SCORE: 0.56888 at epoch 72
6104
6105 *****(1176/1680) *****
6106 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
6107 Restoring model weights from the end of the best epoch: 59.
6108 Epoch 66: early stopping
6109 SCORE: 0.58077 at epoch 59
6110
6111 *****(1177/1680) *****
6112 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6113 Restoring model weights from the end of the best epoch: 39.
6114 Epoch 46: early stopping
6115 SCORE: 0.49306 at epoch 25
6116
6117 *****(1178/1680) *****
6118 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
6119 Restoring model weights from the end of the best epoch: 24.
6120 Epoch 31: early stopping
6121 SCORE: 0.53816 at epoch 30
6122
6123 *****(1179/1680) *****
6124 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
6125 Restoring model weights from the end of the best epoch: 30.
6126 Epoch 37: early stopping
6127 SCORE: 0.49504 at epoch 34
6128
```

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6129 *****(1180/1680) *****
6130 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
6131 Restoring model weights from the end of the best epoch: 30.
6132 Epoch 37: early stopping
6133 SCORE: 0.53419 at epoch 36
6134
6135 *****(1181/1680) *****
6136 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6137 Restoring model weights from the end of the best epoch: 30.
6138 Epoch 37: early stopping
6139 SCORE: 0.50396 at epoch 28
6140
6141 *****(1182/1680) *****
6142 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
6143 Restoring model weights from the end of the best epoch: 24.
6144 Epoch 31: early stopping
6145 SCORE: 0.59465 at epoch 24
6146
6147 *****(1183/1680) *****
6148 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6149 Restoring model weights from the end of the best epoch: 30.
6150 Epoch 37: early stopping
6151 SCORE: 0.51685 at epoch 30
6152
6153 *****(1184/1680) *****
6154 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6155 Restoring model weights from the end of the best epoch: 73.
6156 Epoch 80: early stopping
6157 SCORE: 0.61199 at epoch 73
6158
```

```
6159 *****(1185/1680) *****
6160 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6161 Restoring model weights from the end of the best epoch: 64.
6162 Epoch 71: early stopping
6163 SCORE: 0.49306 at epoch 54
6164
6165 *****(1186/1680) *****
6166 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6167 Restoring model weights from the end of the best epoch: 42.
6168 Epoch 49: early stopping
6169 SCORE: 0.56789 at epoch 40
6170
6171 *****(1187/1680) *****
6172 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6173 Restoring model weights from the end of the best epoch: 76.
6174 Epoch 83: early stopping
6175 SCORE: 0.54063 at epoch 73
6176
6177 *****(1188/1680) *****
6178 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
6179 Restoring model weights from the end of the best epoch: 82.
6180 Epoch 89: early stopping
6181 SCORE: 0.58276 at epoch 58
6182
6183 *****(1189/1680) *****
6184 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6185 SCORE: 0.53617 at epoch 76
6186
6187 *****(1190/1680) *****
6188 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
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6188 , 'nodecount': 256})  
6189 Restoring model weights from the end of the best epoch: 24.  
6190 Epoch 31: early stopping  
6191 SCORE: 0.55055 at epoch 24  
6192  
6193 ***** (1191/1680) *****  
6194 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25  
'nodecount': 64})  
6195 Restoring model weights from the end of the best epoch: 30.  
6196 Epoch 37: early stopping  
6197 SCORE: 0.50198 at epoch 34  
6198  
6199 ***** (1192/1680) *****  
6200 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25  
'nodecount': 128})  
6201 Restoring model weights from the end of the best epoch: 30.  
6202 Epoch 37: early stopping  
6203 SCORE: 0.53915 at epoch 30  
6204  
6205 ***** (1193/1680) *****  
6206 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10  
'nodecount': 32})  
6207 Restoring model weights from the end of the best epoch: 30.  
6208 Epoch 37: early stopping  
6209 SCORE: 0.50793 at epoch 28  
6210  
6211 ***** (1194/1680) *****  
6212 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10  
'nodecount': 256})  
6213 Restoring model weights from the end of the best epoch: 24.  
6214 Epoch 31: early stopping  
6215 SCORE: 0.60803 at epoch 24  
6216  
6217 ***** (1195/1680) *****  
6218 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
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6218 , 'nodecount': 64})  
6219 Restoring model weights from the end of the best epoch: 42.  
6220 Epoch 49: early stopping  
6221 SCORE: 0.556 at epoch 43  
6222  
6223 *****(1196/1680) ****=  
6224 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10  
'nodecount': 128})  
6225 Restoring model weights from the end of the best epoch: 24.  
6226 Epoch 31: early stopping  
6227 SCORE: 0.5642 at epoch 25  
6228  
6229 *****(1197/1680) ****=  
6230 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 32})  
6231 Restoring model weights from the end of the best epoch: 50.  
6232 Epoch 57: early stopping  
6233 SCORE: 0.49405 at epoch 54  
6234  
6235 *****(1198/1680) ****=  
6236 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 256})  
6237 Restoring model weights from the end of the best epoch: 42.  
6238 Epoch 49: early stopping  
6239 SCORE: 0.57334 at epoch 40  
6240  
6241 *****(1199/1680) ****=  
6242 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 64})  
6243 Restoring model weights from the end of the best epoch: 76.  
6244 Epoch 83: early stopping  
6245 SCORE: 0.55451 at epoch 78  
6246  
6247 *****(1200/1680) ****=  
6248 Search({'activation': 'sigmoid', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
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6248 , 'nodecount': 128})  
6249 Restoring model weights from the end of the best epoch: 59.  
6250 Epoch 66: early stopping  
6251 SCORE: 0.55996 at epoch 59  
6252  
6253 ***** (1201/1680) *****  
6254 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25  
'nodecount': 32})  
6255 SCORE: 0.31021 at epoch 100  
6256  
6257 ***** (1202/1680) *****  
6258 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25  
'nodecount': 256})  
6259 SCORE: 0.3776 at epoch 99  
6260  
6261 ***** (1203/1680) *****  
6262 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25  
'nodecount': 64})  
6263 SCORE: 0.32061 at epoch 97  
6264  
6265 ***** (1204/1680) *****  
6266 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25  
'nodecount': 128})  
6267 SCORE: 0.34093 at epoch 97  
6268  
6269 ***** (1205/1680) *****  
6270 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10  
'nodecount': 32})  
6271 SCORE: 0.33053 at epoch 95  
6272  
6273 ***** (1206/1680) *****  
6274 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10  
'nodecount': 256})  
6275 SCORE: 0.43112 at epoch 87  
6276
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6277 ***** (1207/1680) *****
6278 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6279 SCORE: 0.35927 at epoch 100
6280
6281 ***** (1208/1680) *****
6282 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6283 SCORE: 0.42963 at epoch 97
6284
6285 ***** (1209/1680) *****
6286 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6287 SCORE: 0.24827 at epoch 100
6288
6289 ***** (1210/1680) *****
6290 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6291 SCORE: 0.32408 at epoch 100
6292
6293 ***** (1211/1680) *****
6294 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6295 SCORE: 0.21506 at epoch 100
6296
6297 ***** (1212/1680) *****
6298 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
6299 SCORE: 0.25768 at epoch 100
6300
6301 ***** (1213/1680) *****
6302 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6303 SCORE: 0.30476 at epoch 100
6304
```

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6305 ***** (1214/1680) *****
6306 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
6307 SCORE: 0.36571 at epoch 99
6308
6309 ***** (1215/1680) *****
6310 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
6311 SCORE: 0.31764 at epoch 100
6312
6313 ***** (1216/1680) *****
6314 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
6315 SCORE: 0.33697 at epoch 100
6316
6317 ***** (1217/1680) *****
6318 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6319 SCORE: 0.32953 at epoch 100
6320
6321 ***** (1218/1680) *****
6322 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
6323 SCORE: 0.42914 at epoch 84
6324
6325 ***** (1219/1680) *****
6326 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6327 SCORE: 0.34192 at epoch 100
6328
6329 ***** (1220/1680) *****
6330 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6331 SCORE: 0.42765 at epoch 99
6332
```

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6333 *****(1221/1680) *****
6334 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6335 SCORE: 0.2443 at epoch 100
6336
6337 *****(1222/1680) *****
6338 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6339 SCORE: 0.31715 at epoch 100
6340
6341 *****(1223/1680) *****
6342 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6343 SCORE: 0.2111 at epoch 100
6344
6345 *****(1224/1680) *****
6346 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
6347 SCORE: 0.24529 at epoch 100
6348
6349 *****(1225/1680) *****
6350 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6351 SCORE: 0.29485 at epoch 100
6352
6353 *****(1226/1680) *****
6354 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
6355 SCORE: 0.34341 at epoch 100
6356
6357 *****(1227/1680) *****
6358 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
6359 SCORE: 0.29683 at epoch 100
6360
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6361 ***** (1228/1680) *****
6362 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
6363 SCORE: 0.3335 at epoch 99
6364
6365 ***** (1229/1680) *****
6366 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6367 SCORE: 0.32408 at epoch 100
6368
6369 ***** (1230/1680) *****
6370 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
6371 SCORE: 0.42666 at epoch 97
6372
6373 ***** (1231/1680) *****
6374 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6375 SCORE: 0.33895 at epoch 100
6376
6377 ***** (1232/1680) *****
6378 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6379 SCORE: 0.39296 at epoch 100
6380
6381 ***** (1233/1680) *****
6382 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6383 SCORE: 0.23092 at epoch 99
6384
6385 ***** (1234/1680) *****
6386 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6387 SCORE: 0.30723 at epoch 100
6388
```

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6389 *****(1235/1680)*****
6390 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6391 SCORE: 0.19574 at epoch 100
6392
6393 *****(1236/1680)*****
6394 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
6395 SCORE: 0.22795 at epoch 100
6396
6397 *****(1237/1680)*****
6398 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6399 SCORE: 0.30129 at epoch 100
6400
6401 *****(1238/1680)*****
6402 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
6403 SCORE: 0.3553 at epoch 99
6404
6405 *****(1239/1680)*****
6406 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
6407 SCORE: 0.30773 at epoch 100
6408
6409 *****(1240/1680)*****
6410 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
6411 SCORE: 0.33598 at epoch 100
6412
6413 *****(1241/1680)*****
6414 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6415 SCORE: 0.32607 at epoch 94
6416
```

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6417 ***** (1242/1680) *****
6418 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
6419 SCORE: 0.42864 at epoch 97
6420
6421 ***** (1243/1680) *****
6422 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
6423 SCORE: 0.33895 at epoch 99
6424
6425 ***** (1244/1680) *****
6426 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
6427 SCORE: 0.41378 at epoch 99
6428
6429 ***** (1245/1680) *****
6430 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
6431 SCORE: 0.23786 at epoch 100
6432
6433 ***** (1246/1680) *****
6434 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
6435 SCORE: 0.3107 at epoch 100
6436
6437 ***** (1247/1680) *****
6438 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
6439 SCORE: 0.20218 at epoch 100
6440
6441 ***** (1248/1680) *****
6442 Search({'activation': 'sigmoid', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
6443 SCORE: 0.23489 at epoch 100
6444
```

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6445 ***** (1249/1680) *****
6446 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
25, 'nodecount': 32})
6447 SCORE: 0.18385 at epoch 1
6448
6449 ***** (1250/1680) *****
6450 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
25, 'nodecount': 256})
6451 SCORE: 0.19078 at epoch 29
6452
6453 ***** (1251/1680) *****
6454 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
25, 'nodecount': 64})
6455 SCORE: 0.18385 at epoch 1
6456
6457 ***** (1252/1680) *****
6458 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
25, 'nodecount': 128})
6459 SCORE: 0.31417 at epoch 11
6460
6461 ***** (1253/1680) *****
6462 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
10, 'nodecount': 32})
6463 SCORE: 0.18385 at epoch 1
6464
6465 ***** (1254/1680) *****
6466 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
10, 'nodecount': 256})
6467 SCORE: 0.23588 at epoch 100
6468
6469 ***** (1255/1680) *****
6470 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size':
10, 'nodecount': 64})
6471 SCORE: 0.18385 at epoch 1
6472
```

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6473 *****(1256/1680)*****
6474 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
6475 SCORE: 0.32012 at epoch 6
6476
6477 *****(1257/1680) *****
6478 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
6479 SCORE: 0.18385 at epoch 1
6480
6481 *****(1258/1680) *****
6482 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
6483 SCORE: 0.19029 at epoch 20
6484
6485 *****(1259/1680) *****
6486 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
6487 SCORE: 0.18385 at epoch 1
6488
6489 *****(1260/1680) *****
6490 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
6491 Restoring model weights from the end of the best epoch: 66.
6492 Epoch 73: early stopping
6493 SCORE: 0.31417 at epoch 18
6494
6495 *****(1261/1680) *****
6496 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
6497 SCORE: 0.18385 at epoch 1
6498
6499 *****(1262/1680) *****
6500 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
```

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6501 SCORE: 0.18979 at epoch 12
6502
6503 *****(1263/1680) *****
6504 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
25, 'nodecount': 64})
6505 SCORE: 0.18385 at epoch 1
6506
6507 *****(1264/1680) *****
6508 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
25, 'nodecount': 128})
6509 SCORE: 0.29782 at epoch 12
6510
6511 *****(1265/1680) *****
6512 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 32})
6513 SCORE: 0.18385 at epoch 1
6514
6515 *****(1266/1680) *****
6516 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 256})
6517 SCORE: 0.22547 at epoch 100
6518
6519 *****(1267/1680) *****
6520 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 64})
6521 SCORE: 0.18385 at epoch 1
6522
6523 *****(1268/1680) *****
6524 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
10, 'nodecount': 128})
6525 SCORE: 0.30723 at epoch 6
6526
6527 *****(1269/1680) *****
6528 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
50, 'nodecount': 32})
```

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6529 SCORE: 0.18385 at epoch 1
6530
6531 ***** (1270/1680) *****
6532 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
50, 'nodecount': 256})
6533 Restoring model weights from the end of the best epoch: 34.
6534 Epoch 41: early stopping
6535 SCORE: 0.19078 at epoch 20
6536
6537 ***** (1271/1680) *****
6538 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
50, 'nodecount': 64})
6539 SCORE: 0.18385 at epoch 1
6540
6541 ***** (1272/1680) *****
6542 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size':
50, 'nodecount': 128})
6543 Restoring model weights from the end of the best epoch: 67.
6544 Epoch 74: early stopping
6545 SCORE: 0.3221 at epoch 19
6546
6547 ***** (1273/1680) *****
6548 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
25, 'nodecount': 32})
6549 SCORE: 0.18385 at epoch 1
6550
6551 ***** (1274/1680) *****
6552 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
25, 'nodecount': 256})
6553 SCORE: 0.19078 at epoch 34
6554
6555 ***** (1275/1680) *****
6556 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
25, 'nodecount': 64})
6557 SCORE: 0.18385 at epoch 1
```

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6558 *****(1276/1680) *****
6559 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
6560 25, 'nodecount': 128})
6561 SCORE: 0.31219 at epoch 12
6562
6563 *****(1277/1680) *****
6564 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
6565 10, 'nodecount': 32})
6566 SCORE: 0.18385 at epoch 1
6567 *****(1278/1680) *****
6568 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
6569 10, 'nodecount': 256})
6570 SCORE: 0.19574 at epoch 100
6571 *****(1279/1680) *****
6572 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
6573 10, 'nodecount': 64})
6574 SCORE: 0.18385 at epoch 1
6575 *****(1280/1680) *****
6576 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
6577 10, 'nodecount': 128})
6578 SCORE: 0.30129 at epoch 7
6579 *****(1281/1680) *****
6580 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
6581 50, 'nodecount': 32})
6582 SCORE: 0.18385 at epoch 1
6583 *****(1282/1680) *****
6584 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
6585 50, 'nodecount': 256})
6586 Restoring model weights from the end of the best epoch: 30.

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6586 Epoch 37: early stopping
6587 SCORE: 0.18979 at epoch 20
6588
6589 *****(1283/1680) *****
6590 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
50, 'nodecount': 64})
6591 SCORE: 0.18385 at epoch 1
6592
6593 *****(1284/1680) *****
6594 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size':
50, 'nodecount': 128})
6595 Restoring model weights from the end of the best epoch: 72.
6596 Epoch 79: early stopping
6597 SCORE: 0.3226 at epoch 20
6598
6599 *****(1285/1680) *****
6600 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
25, 'nodecount': 32})
6601 SCORE: 0.18385 at epoch 1
6602
6603 *****(1286/1680) *****
6604 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
25, 'nodecount': 256})
6605 SCORE: 0.1893 at epoch 30
6606
6607 *****(1287/1680) *****
6608 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
25, 'nodecount': 64})
6609 SCORE: 0.18385 at epoch 1
6610
6611 *****(1288/1680) *****
6612 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
25, 'nodecount': 128})
6613 SCORE: 0.3221 at epoch 12
6614
```

```
6615 ***** (1289/1680) *****
6616 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
10, 'nodecount': 32})
6617 SCORE: 0.18385 at epoch 1
6618
6619 ***** (1290/1680) *****
6620 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
10, 'nodecount': 256})
6621 SCORE: 0.21457 at epoch 100
6622
6623 ***** (1291/1680) *****
6624 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
10, 'nodecount': 64})
6625 SCORE: 0.18385 at epoch 1
6626
6627 ***** (1292/1680) *****
6628 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
10, 'nodecount': 128})
6629 SCORE: 0.22844 at epoch 7
6630
6631 ***** (1293/1680) *****
6632 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
50, 'nodecount': 32})
6633 SCORE: 0.18385 at epoch 1
6634
6635 ***** (1294/1680) *****
6636 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
50, 'nodecount': 256})
6637 Restoring model weights from the end of the best epoch: 30.
6638 Epoch 37: early stopping
6639 SCORE: 0.19029 at epoch 20
6640
6641 ***** (1295/1680) *****
6642 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
50, 'nodecount': 64})
```

```
6643 SCORE: 0.18385 at epoch 1
6644
6645 ***** (1296/1680) *****
6646 Search({'activation': 'sigmoid', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size':
6647 50, 'nodecount': 128})
6647 Restoring model weights from the end of the best epoch: 71.
6648 Epoch 78: early stopping
6649 SCORE: 0.31863 at epoch 19
6650
6651 ***** (1297/1680) *****
6652 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
, 'nodecount': 32})
6653 Restoring model weights from the end of the best epoch: 82.
6654 Epoch 89: early stopping
6655 SCORE: 0.49653 at epoch 88
6656
6657 ***** (1298/1680) *****
6658 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
, 'nodecount': 256})
6659 Restoring model weights from the end of the best epoch: 69.
6660 Epoch 76: early stopping
6661 SCORE: 0.57681 at epoch 52
6662
6663 ***** (1299/1680) *****
6664 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
, 'nodecount': 64})
6665 Restoring model weights from the end of the best epoch: 93.
6666 Epoch 100: early stopping
6667 SCORE: 0.54163 at epoch 87
6668
6669 ***** (1300/1680) *****
6670 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
, 'nodecount': 128})
6671 Restoring model weights from the end of the best epoch: 30.
6672 Epoch 37: early stopping
```

```
6673 SCORE: 0.51338 at epoch 29
6674
6675 ***** (1301/1680) *****
6676 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6677 Restoring model weights from the end of the best epoch: 93.
6678 Epoch 100: early stopping
6679 SCORE: 0.52924 at epoch 84
6680
6681 ***** (1302/1680) *****
6682 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
6683 Restoring model weights from the end of the best epoch: 24.
6684 Epoch 31: early stopping
6685 SCORE: 0.55555 at epoch 25
6686
6687 ***** (1303/1680) *****
6688 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6689 Restoring model weights from the end of the best epoch: 93.
6690 Epoch 100: early stopping
6691 SCORE: 0.57284 at epoch 97
6692
6693 ***** (1304/1680) *****
6694 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6695 Restoring model weights from the end of the best epoch: 93.
6696 Epoch 100: early stopping
6697 SCORE: 0.61199 at epoch 89
6698
6699 ***** (1305/1680) *****
6700 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6701 Restoring model weights from the end of the best epoch: 82.
6702 Epoch 89: early stopping
```

```
6703 SCORE: 0.49257 at epoch 88
6704
6705 ***** (1306/1680) *****
6706 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6707 Restoring model weights from the end of the best epoch: 30.
6708 Epoch 37: early stopping
6709 SCORE: 0.49554 at epoch 34
6710
6711 ***** (1307/1680) *****
6712 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6713 Restoring model weights from the end of the best epoch: 82.
6714 Epoch 89: early stopping
6715 SCORE: 0.53568 at epoch 47
6716
6717 ***** (1308/1680) *****
6718 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
6719 SCORE: 0.55996 at epoch 96
6720
6721 ***** (1309/1680) *****
6722 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6723 Restoring model weights from the end of the best epoch: 82.
6724 Epoch 89: early stopping
6725 SCORE: 0.49306 at epoch 67
6726
6727 ***** (1310/1680) *****
6728 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
6729 Restoring model weights from the end of the best epoch: 30.
6730 Epoch 37: early stopping
6731 SCORE: 0.52131 at epoch 36
6732
```

```
6733 *****(1311/1680) *****
6734 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
6735 Restoring model weights from the end of the best epoch: 82.
6736 Epoch 89: early stopping
6737 SCORE: 0.53865 at epoch 52
6738
6739 *****(1312/1680) *****
6740 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
6741 Restoring model weights from the end of the best epoch: 70.
6742 Epoch 77: early stopping
6743 SCORE: 0.53221 at epoch 77
6744
6745 *****(1313/1680) *****
6746 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6747 Restoring model weights from the end of the best epoch: 48.
6748 Epoch 55: early stopping
6749 SCORE: 0.49455 at epoch 41
6750
6751 *****(1314/1680) *****
6752 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
6753 Restoring model weights from the end of the best epoch: 24.
6754 Epoch 31: early stopping
6755 SCORE: 0.5337 at epoch 25
6756
6757 *****(1315/1680) *****
6758 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6759 Restoring model weights from the end of the best epoch: 93.
6760 Epoch 100: early stopping
6761 SCORE: 0.56838 at epoch 97
6762
```

```
6763 *****(1316/1680) *****
6764 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6765 Restoring model weights from the end of the best epoch: 30.
6766 Epoch 37: early stopping
6767 SCORE: 0.51635 at epoch 31
6768
6769 *****(1317/1680) *****
6770 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6771 Restoring model weights from the end of the best epoch: 90.
6772 Epoch 97: early stopping
6773 SCORE: 0.4886 at epoch 67
6774
6775 *****(1318/1680) *****
6776 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6777 Restoring model weights from the end of the best epoch: 30.
6778 Epoch 37: early stopping
6779 SCORE: 0.49455 at epoch 34
6780
6781 *****(1319/1680) *****
6782 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
6783 Restoring model weights from the end of the best epoch: 82.
6784 Epoch 89: early stopping
6785 SCORE: 0.51189 at epoch 86
6786
6787 *****(1320/1680) *****
6788 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
6789 Restoring model weights from the end of the best epoch: 70.
6790 Epoch 77: early stopping
6791 SCORE: 0.52279 at epoch 53
6792
```

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6793 *****(1321/1680) *****
6794 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
6795 Restoring model weights from the end of the best epoch: 82.
6796 Epoch 89: early stopping
6797 SCORE: 0.48959 at epoch 88
6798
6799 *****(1322/1680) *****
6800 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
6801 Restoring model weights from the end of the best epoch: 30.
6802 Epoch 37: early stopping
6803 SCORE: 0.49901 at epoch 27
6804
6805 *****(1323/1680) *****
6806 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
6807 Restoring model weights from the end of the best epoch: 48.
6808 Epoch 55: early stopping
6809 SCORE: 0.500842 at epoch 38
6810
6811 *****(1324/1680) *****
6812 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
6813 Restoring model weights from the end of the best epoch: 50.
6814 Epoch 57: early stopping
6815 SCORE: 0.53023 at epoch 22
6816
6817 *****(1325/1680) *****
6818 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
6819 Restoring model weights from the end of the best epoch: 48.
6820 Epoch 55: early stopping
6821 SCORE: 0.48959 at epoch 41
6822
```

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6823 *****(1326/1680) *****
6824 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
6825 Restoring model weights from the end of the best epoch: 42.
6826 Epoch 49: early stopping
6827 SCORE: 0.5109 at epoch 31
6828
6829 *****(1327/1680) *****
6830 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
6831 Restoring model weights from the end of the best epoch: 39.
6832 Epoch 46: early stopping
6833 SCORE: 0.49009 at epoch 25
6834
6835 *****(1328/1680) *****
6836 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
6837 Restoring model weights from the end of the best epoch: 30.
6838 Epoch 37: early stopping
6839 SCORE: 0.49604 at epoch 28
6840
6841 *****(1329/1680) *****
6842 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
6843 SCORE: 0.4891 at epoch 79
6844
6845 *****(1330/1680) *****
6846 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
6847 Restoring model weights from the end of the best epoch: 52.
6848 Epoch 59: early stopping
6849 SCORE: 0.50842 at epoch 54
6850
6851 *****(1331/1680) *****
6852 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
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6852 , 'nodecount': 64})  
6853 Restoring model weights from the end of the best epoch: 65.  
6854 Epoch 72: early stopping  
6855 SCORE: 0.53469 at epoch 37  
6856  
6857 ***** (1332/1680) *****  
6858 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50  
'nodecount': 128})  
6859 Restoring model weights from the end of the best epoch: 48.  
6860 Epoch 55: early stopping  
6861 SCORE: 0.51883 at epoch 41  
6862  
6863 ***** (1333/1680) *****  
6864 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25  
'nodecount': 32})  
6865 Restoring model weights from the end of the best epoch: 82.  
6866 Epoch 89: early stopping  
6867 SCORE: 0.49158 at epoch 56  
6868  
6869 ***** (1334/1680) *****  
6870 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25  
'nodecount': 256})  
6871 Restoring model weights from the end of the best epoch: 30.  
6872 Epoch 37: early stopping  
6873 SCORE: 0.5 at epoch 34  
6874  
6875 ***** (1335/1680) *****  
6876 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25  
'nodecount': 64})  
6877 Restoring model weights from the end of the best epoch: 48.  
6878 Epoch 55: early stopping  
6879 SCORE: 0.51189 at epoch 52  
6880  
6881 ***** (1336/1680) *****  
6882 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
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6882 , 'nodecount': 128})  
6883 Restoring model weights from the end of the best epoch: 50.  
6884 Epoch 57: early stopping  
6885 SCORE: 0.50099 at epoch 29  
6886  
6887 ***** (1337/1680) *****  
6888 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10  
'nodecount': 32})  
6889 Restoring model weights from the end of the best epoch: 48.  
6890 Epoch 55: early stopping  
6891 SCORE: 0.49306 at epoch 41  
6892  
6893 ***** (1338/1680) *****  
6894 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10  
'nodecount': 256})  
6895 Restoring model weights from the end of the best epoch: 24.  
6896 Epoch 31: early stopping  
6897 SCORE: 0.51982 at epoch 25  
6898  
6899 ***** (1339/1680) *****  
6900 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10  
'nodecount': 64})  
6901 Restoring model weights from the end of the best epoch: 39.  
6902 Epoch 46: early stopping  
6903 SCORE: 0.49752 at epoch 28  
6904  
6905 ***** (1340/1680) *****  
6906 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10  
'nodecount': 128})  
6907 Restoring model weights from the end of the best epoch: 30.  
6908 Epoch 37: early stopping  
6909 SCORE: 0.50396 at epoch 28  
6910  
6911 ***** (1341/1680) *****  
6912 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
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```
6912 , 'nodecount': 32})  
6913 SCORE: 0.4891 at epoch 88  
6914  
6915 ***** (1342/1680) *****  
6916 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 256})  
6917 Restoring model weights from the end of the best epoch: 76.  
6918 Epoch 83: early stopping  
6919 SCORE: 0.53964 at epoch 54  
6920  
6921 ***** (1343/1680) *****  
6922 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 64})  
6923 Restoring model weights from the end of the best epoch: 82.  
6924 Epoch 89: early stopping  
6925 SCORE: 0.50099 at epoch 62  
6926  
6927 ***** (1344/1680) *****  
6928 Search({'activation': 'sigmoid', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50  
'nodecount': 128})  
6929 Restoring model weights from the end of the best epoch: 48.  
6930 Epoch 55: early stopping  
6931 SCORE: 0.51338 at epoch 53  
6932  
6933 ***** (1345/1680) *****  
6934 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,  
'nodecount': 32})  
6935 Restoring model weights from the end of the best epoch: 74.  
6936 Epoch 81: early stopping  
6937 SCORE: 0.61447 at epoch 74  
6938  
6939 ***** (1346/1680) *****  
6940 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,  
'nodecount': 256})  
6941 Restoring model weights from the end of the best epoch: 74.
```

```
6942 Epoch 81: early stopping
6943 SCORE: 0.62389 at epoch 74
6944
6945 *****(1347/1680) *****
6946 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
6947 Restoring model weights from the end of the best epoch: 74.
6948 Epoch 81: early stopping
6949 SCORE: 0.62289 at epoch 74
6950
6951 *****(1348/1680) *****
6952 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
6953 Restoring model weights from the end of the best epoch: 74.
6954 Epoch 81: early stopping
6955 SCORE: 0.62488 at epoch 74
6956
6957 *****(1349/1680) *****
6958 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
6959 Restoring model weights from the end of the best epoch: 38.
6960 Epoch 45: early stopping
6961 SCORE: 0.61695 at epoch 29
6962
6963 *****(1350/1680) *****
6964 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
6965 Restoring model weights from the end of the best epoch: 38.
6966 Epoch 45: early stopping
6967 SCORE: 0.61447 at epoch 45
6968
6969 *****(1351/1680) *****
6970 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
6971 Restoring model weights from the end of the best epoch: 38.
```

```
6972 Epoch 45: early stopping
6973 SCORE: 0.61348 at epoch 45
6974
6975 *****(1352/1680) *****
6976 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
6977 Restoring model weights from the end of the best epoch: 38.
6978 Epoch 45: early stopping
6979 SCORE: 0.61199 at epoch 45
6980
6981 *****(1353/1680) *****
6982 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
6983 Restoring model weights from the end of the best epoch: 73.
6984 Epoch 80: early stopping
6985 SCORE: 0.60505 at epoch 61
6986
6987 *****(1354/1680) *****
6988 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
6989 SCORE: 0.61893 at epoch 91
6990
6991 *****(1355/1680) *****
6992 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
6993 SCORE: 0.60505 at epoch 91
6994
6995 *****(1356/1680) *****
6996 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
6997 Restoring model weights from the end of the best epoch: 73.
6998 Epoch 80: early stopping
6999 SCORE: 0.5892 at epoch 61
7000
7001 *****(1357/1680) *****
```

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7002 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7003 Restoring model weights from the end of the best epoch: 84.
7004 Epoch 91: early stopping
7005 SCORE: 0.60704 at epoch 64
7006
7007 *****(1358/1680) *****
7008 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7009 Restoring model weights from the end of the best epoch: 74.
7010 Epoch 81: early stopping
7011 SCORE: 0.62141 at epoch 67
7012
7013 *****(1359/1680) *****
7014 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7015 Restoring model weights from the end of the best epoch: 74.
7016 Epoch 81: early stopping
7017 SCORE: 0.61893 at epoch 59
7018
7019 *****(1360/1680) *****
7020 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
7021 Restoring model weights from the end of the best epoch: 73.
7022 Epoch 80: early stopping
7023 SCORE: 0.61943 at epoch 74
7024
7025 *****(1361/1680) *****
7026 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7027 Restoring model weights from the end of the best epoch: 16.
7028 Epoch 23: early stopping
7029 SCORE: 0.60605 at epoch 16
7030
7031 *****(1362/1680) *****
```

```
7032 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7033 Restoring model weights from the end of the best epoch: 16.
7034 Epoch 23: early stopping
7035 SCORE: 0.61992 at epoch 16
7036
7037 *****(1363/1680) *****
7038 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7039 Restoring model weights from the end of the best epoch: 59.
7040 Epoch 66: early stopping
7041 SCORE: 0.61843 at epoch 58
7042
7043 *****(1364/1680) *****
7044 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7045 Restoring model weights from the end of the best epoch: 59.
7046 Epoch 66: early stopping
7047 SCORE: 0.61546 at epoch 60
7048
7049 *****(1365/1680) *****
7050 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7051 Restoring model weights from the end of the best epoch: 73.
7052 Epoch 80: early stopping
7053 SCORE: 0.57532 at epoch 80
7054
7055 *****(1366/1680) *****
7056 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7057 Restoring model weights from the end of the best epoch: 73.
7058 Epoch 80: early stopping
7059 SCORE: 0.59366 at epoch 42
7060
7061 *****(1367/1680) *****
```

```
7062 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7063 Restoring model weights from the end of the best epoch: 73.
7064 Epoch 80: early stopping
7065 SCORE: 0.60704 at epoch 61
7066
7067 *****(1368/1680) *****
7068 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
7069 Restoring model weights from the end of the best epoch: 73.
7070 Epoch 80: early stopping
7071 SCORE: 0.60555 at epoch 61
7072
7073 *****(1369/1680) *****
7074 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7075 Restoring model weights from the end of the best epoch: 30.
7076 Epoch 37: early stopping
7077 SCORE: 0.5887 at epoch 25
7078
7079 *****(1370/1680) *****
7080 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7081 Restoring model weights from the end of the best epoch: 74.
7082 Epoch 81: early stopping
7083 SCORE: 0.61744 at epoch 64
7084
7085 *****(1371/1680) *****
7086 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7087 Restoring model weights from the end of the best epoch: 85.
7088 Epoch 92: early stopping
7089 SCORE: 0.61397 at epoch 85
7090
7091 *****(1372/1680) *****
```

```
7092 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
7093 Restoring model weights from the end of the best epoch: 73.
7094 Epoch 80: early stopping
7095 SCORE: 0.61546 at epoch 67
7096
7097 *****(1373/1680) *****
7098 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7099 Restoring model weights from the end of the best epoch: 16.
7100 Epoch 23: early stopping
7101 SCORE: 0.59366 at epoch 16
7102
7103 *****(1374/1680) *****
7104 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7105 Restoring model weights from the end of the best epoch: 33.
7106 Epoch 40: early stopping
7107 SCORE: 0.62091 at epoch 16
7108
7109 *****(1375/1680) *****
7110 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7111 Restoring model weights from the end of the best epoch: 59.
7112 Epoch 66: early stopping
7113 SCORE: 0.60605 at epoch 30
7114
7115 *****(1376/1680) *****
7116 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7117 Restoring model weights from the end of the best epoch: 47.
7118 Epoch 54: early stopping
7119 SCORE: 0.60654 at epoch 49
7120
7121 *****(1377/1680) *****
```

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7122 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7123 Restoring model weights from the end of the best epoch: 73.
7124 Epoch 80: early stopping
7125 SCORE: 0.57879 at epoch 67
7126
7127 *****(1378/1680) *****
7128 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7129 Restoring model weights from the end of the best epoch: 73.
7130 Epoch 80: early stopping
7131 SCORE: 0.61843 at epoch 36
7132
7133 *****(1379/1680) *****
7134 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7135 Restoring model weights from the end of the best epoch: 73.
7136 Epoch 80: early stopping
7137 SCORE: 0.59514 at epoch 63
7138
7139 *****(1380/1680) *****
7140 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
7141 Restoring model weights from the end of the best epoch: 73.
7142 Epoch 80: early stopping
7143 SCORE: 0.58821 at epoch 67
7144
7145 *****(1381/1680) *****
7146 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7147 Restoring model weights from the end of the best epoch: 30.
7148 Epoch 37: early stopping
7149 SCORE: 0.59366 at epoch 30
7150
7151 *****(1382/1680) *****
```

```
7152 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7153 Restoring model weights from the end of the best epoch: 74.
7154 Epoch 81: early stopping
7155 SCORE: 0.62339 at epoch 67
7156
7157 *****(1383/1680) *****
7158 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7159 Restoring model weights from the end of the best epoch: 76.
7160 Epoch 83: early stopping
7161 SCORE: 0.61348 at epoch 59
7162
7163 *****(1384/1680) *****
7164 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
7165 Restoring model weights from the end of the best epoch: 74.
7166 Epoch 81: early stopping
7167 SCORE: 0.61497 at epoch 59
7168
7169 *****(1385/1680) *****
7170 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7171 Restoring model weights from the end of the best epoch: 16.
7172 Epoch 23: early stopping
7173 SCORE: 0.58969 at epoch 16
7174
7175 *****(1386/1680) *****
7176 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7177 Restoring model weights from the end of the best epoch: 59.
7178 Epoch 66: early stopping
7179 SCORE: 0.6224 at epoch 16
7180
7181 *****(1387/1680) *****
```

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```
7182 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7183 Restoring model weights from the end of the best epoch: 59.
7184 Epoch 66: early stopping
7185 SCORE: 0.61843 at epoch 58
7186
7187 *****(1388/1680) *****
7188 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7189 Restoring model weights from the end of the best epoch: 16.
7190 Epoch 23: early stopping
7191 SCORE: 0.57631 at epoch 10
7192
7193 *****(1389/1680) *****
7194 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7195 Restoring model weights from the end of the best epoch: 73.
7196 Epoch 80: early stopping
7197 SCORE: 0.60159 at epoch 67
7198
7199 *****(1390/1680) *****
7200 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7201 Restoring model weights from the end of the best epoch: 73.
7202 Epoch 80: early stopping
7203 SCORE: 0.59861 at epoch 19
7204
7205 *****(1391/1680) *****
7206 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7207 Restoring model weights from the end of the best epoch: 73.
7208 Epoch 80: early stopping
7209 SCORE: 0.5996 at epoch 63
7210
7211 *****(1392/1680) *****
```

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7212 Search({'activation': 'linear', 'optimizer': 'SGD', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
7213 Restoring model weights from the end of the best epoch: 73.  
7214 Epoch 80: early stopping  
7215 SCORE: 0.57681 at epoch 61  
7216  
7217 ***** (1393/1680) *****  
7218 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
7219 Restoring model weights from the end of the best epoch: 16.  
7220 Epoch 23: early stopping  
7221 SCORE: 0.59316 at epoch 16  
7222  
7223 ***** (1394/1680) *****  
7224 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
7225 Restoring model weights from the end of the best epoch: 10.  
7226 Epoch 17: early stopping  
7227 SCORE: 0.60654 at epoch 10  
7228  
7229 ***** (1395/1680) *****  
7230 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
7231 Restoring model weights from the end of the best epoch: 16.  
7232 Epoch 23: early stopping  
7233 SCORE: 0.6224 at epoch 21  
7234  
7235 ***** (1396/1680) *****  
7236 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
7237 Restoring model weights from the end of the best epoch: 16.  
7238 Epoch 23: early stopping  
7239 SCORE: 0.62141 at epoch 10  
7240  
7241 ***** (1397/1680) *****
```

```
7242 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
7243 Restoring model weights from the end of the best epoch: 16.
7244 Epoch 23: early stopping
7245 SCORE: 0.60951 at epoch 12
7246
7247 *****(1398/1680) *****
7248 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
7249 Restoring model weights from the end of the best epoch: 6.
7250 Epoch 13: early stopping
7251 SCORE: 0.57384 at epoch 12
7252
7253 *****(1399/1680) *****
7254 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
7255 Restoring model weights from the end of the best epoch: 16.
7256 Epoch 23: early stopping
7257 SCORE: 0.60307 at epoch 14
7258
7259 *****(1400/1680) *****
7260 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
7261 Restoring model weights from the end of the best epoch: 6.
7262 Epoch 13: early stopping
7263 SCORE: 0.58474 at epoch 12
7264
7265 *****(1401/1680) *****
7266 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
7267 Restoring model weights from the end of the best epoch: 30.
7268 Epoch 37: early stopping
7269 SCORE: 0.60753 at epoch 25
7270
7271 *****(1402/1680) *****
```

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7272 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
  ,
  'nodecount': 256})
7273 Restoring model weights from the end of the best epoch: 11.
7274 Epoch 18: early stopping
7275 SCORE: 0.61843 at epoch 11
7276
7277 *****(1403/1680) *****
7278 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
  ,
  'nodecount': 64})
7279 Restoring model weights from the end of the best epoch: 30.
7280 Epoch 37: early stopping
7281 SCORE: 0.60456 at epoch 25
7282
7283 *****(1404/1680) *****
7284 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
  ,
  'nodecount': 128})
7285 Restoring model weights from the end of the best epoch: 11.
7286 Epoch 18: early stopping
7287 SCORE: 0.60505 at epoch 10
7288
7289 *****(1405/1680) *****
7290 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  ,
  'nodecount': 32})
7291 Restoring model weights from the end of the best epoch: 30.
7292 Epoch 37: early stopping
7293 SCORE: 0.62636 at epoch 30
7294
7295 *****(1406/1680) *****
7296 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  ,
  'nodecount': 256})
7297 Restoring model weights from the end of the best epoch: 16.
7298 Epoch 23: early stopping
7299 SCORE: 0.61199 at epoch 12
7300
7301 *****(1407/1680) *****
```

```
7302 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
7303 Restoring model weights from the end of the best epoch: 16.
7304 Epoch 23: early stopping
7305 SCORE: 0.61348 at epoch 21
7306
7307 *****(1408/1680) *****
7308 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
7309 Restoring model weights from the end of the best epoch: 16.
7310 Epoch 23: early stopping
7311 SCORE: 0.61298 at epoch 14
7312
7313 *****(1409/1680) *****
7314 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
7315 Restoring model weights from the end of the best epoch: 16.
7316 Epoch 23: early stopping
7317 SCORE: 0.60704 at epoch 16
7318
7319 *****(1410/1680) *****
7320 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
7321 Restoring model weights from the end of the best epoch: 6.
7322 Epoch 13: early stopping
7323 SCORE: 0.5887 at epoch 12
7324
7325 *****(1411/1680) *****
7326 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
7327 Restoring model weights from the end of the best epoch: 16.
7328 Epoch 23: early stopping
7329 SCORE: 0.60654 at epoch 14
7330
7331 *****(1412/1680) *****
```

```
7332 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
7333 Restoring model weights from the end of the best epoch: 6.
7334 Epoch 13: early stopping
7335 SCORE: 0.60059 at epoch 12
7336
7337 *****(1413/1680) *****
7338 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
7339 Restoring model weights from the end of the best epoch: 38.
7340 Epoch 45: early stopping
7341 SCORE: 0.62289 at epoch 39
7342
7343 *****(1414/1680) *****
7344 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
7345 Restoring model weights from the end of the best epoch: 11.
7346 Epoch 18: early stopping
7347 SCORE: 0.61497 at epoch 10
7348
7349 *****(1415/1680) *****
7350 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
7351 Restoring model weights from the end of the best epoch: 30.
7352 Epoch 37: early stopping
7353 SCORE: 0.60001 at epoch 25
7354
7355 *****(1416/1680) *****
7356 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
7357 Restoring model weights from the end of the best epoch: 10.
7358 Epoch 17: early stopping
7359 SCORE: 0.60902 at epoch 10
7360
7361 *****(1417/1680) *****
```

```
7362 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 32})
7363 Restoring model weights from the end of the best epoch: 33.
7364 Epoch 40: early stopping
7365 SCORE: 0.61546 at epoch 40
7366
7367 *****(1418/1680) *****
7368 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 256})
7369 Restoring model weights from the end of the best epoch: 16.
7370 Epoch 23: early stopping
7371 SCORE: 0.61794 at epoch 10
7372
7373 *****(1419/1680) *****
7374 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
7375 Restoring model weights from the end of the best epoch: 16.
7376 Epoch 23: early stopping
7377 SCORE: 0.60505 at epoch 21
7378
7379 *****(1420/1680) *****
7380 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
7381 Restoring model weights from the end of the best epoch: 16.
7382 Epoch 23: early stopping
7383 SCORE: 0.61298 at epoch 14
7384
7385 *****(1421/1680) *****
7386 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
7387 Restoring model weights from the end of the best epoch: 16.
7388 Epoch 23: early stopping
7389 SCORE: 0.60208 at epoch 16
7390
7391 *****(1422/1680) *****
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```
7392 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  ,
  'nodecount': 256})
7393 Restoring model weights from the end of the best epoch: 16.
7394 Epoch 23: early stopping
7395 SCORE: 0.58325 at epoch 14
7396
7397 *****(1423/1680) *****
7398 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  ,
  'nodecount': 64})
7399 Restoring model weights from the end of the best epoch: 16.
7400 Epoch 23: early stopping
7401 SCORE: 0.60753 at epoch 12
7402
7403 *****(1424/1680) *****
7404 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
  ,
  'nodecount': 128})
7405 Restoring model weights from the end of the best epoch: 16.
7406 Epoch 23: early stopping
7407 SCORE: 0.61596 at epoch 12
7408
7409 *****(1425/1680) *****
7410 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
  ,
  'nodecount': 32})
7411 Restoring model weights from the end of the best epoch: 59.
7412 Epoch 66: early stopping
7413 SCORE: 0.63528 at epoch 63
7414
7415 *****(1426/1680) *****
7416 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
  ,
  'nodecount': 256})
7417 Restoring model weights from the end of the best epoch: 11.
7418 Epoch 18: early stopping
7419 SCORE: 0.60159 at epoch 11
7420
7421 *****(1427/1680) *****
```

```
7422 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
7423 Restoring model weights from the end of the best epoch: 33.
7424 Epoch 40: early stopping
7425 SCORE: 0.60555 at epoch 25
7426
7427 *****(1428/1680) *****
7428 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
7429 Restoring model weights from the end of the best epoch: 10.
7430 Epoch 17: early stopping
7431 SCORE: 0.59911 at epoch 10
7432
7433 *****(1429/1680) *****
7434 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 32})
7435 Restoring model weights from the end of the best epoch: 33.
7436 Epoch 40: early stopping
7437 SCORE: 0.61348 at epoch 40
7438
7439 *****(1430/1680) *****
7440 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 256})
7441 Restoring model weights from the end of the best epoch: 16.
7442 Epoch 23: early stopping
7443 SCORE: 0.61695 at epoch 10
7444
7445 *****(1431/1680) *****
7446 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
7447 Restoring model weights from the end of the best epoch: 16.
7448 Epoch 23: early stopping
7449 SCORE: 0.60753 at epoch 21
7450
7451 *****(1432/1680) *****
```

```
7452 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
7453 Restoring model weights from the end of the best epoch: 16.
7454 Epoch 23: early stopping
7455 SCORE: 0.61596 at epoch 14
7456
7457 *****(1433/1680) *****
7458 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
7459 Restoring model weights from the end of the best epoch: 16.
7460 Epoch 23: early stopping
7461 SCORE: 0.59996 at epoch 16
7462
7463 *****(1434/1680) *****
7464 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
7465 Restoring model weights from the end of the best epoch: 16.
7466 Epoch 23: early stopping
7467 SCORE: 0.59911 at epoch 12
7468
7469 *****(1435/1680) *****
7470 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
7471 Restoring model weights from the end of the best epoch: 16.
7472 Epoch 23: early stopping
7473 SCORE: 0.61645 at epoch 14
7474
7475 *****(1436/1680) *****
7476 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
7477 Restoring model weights from the end of the best epoch: 16.
7478 Epoch 23: early stopping
7479 SCORE: 0.60951 at epoch 14
7480
7481 *****(1437/1680) *****
```

```
7482 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
7483 Restoring model weights from the end of the best epoch: 59.
7484 Epoch 66: early stopping
7485 SCORE: 0.62983 at epoch 60
7486
7487 *****(1438/1680) *****
7488 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
7489 Restoring model weights from the end of the best epoch: 11.
7490 Epoch 18: early stopping
7491 SCORE: 0.61794 at epoch 11
7492
7493 *****(1439/1680) *****
7494 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
7495 Restoring model weights from the end of the best epoch: 33.
7496 Epoch 40: early stopping
7497 SCORE: 0.60951 at epoch 21
7498
7499 *****(1440/1680) *****
7500 Search({'activation': 'linear', 'optimizer': 'RMSprop', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
7501 Restoring model weights from the end of the best epoch: 11.
7502 Epoch 18: early stopping
7503 SCORE: 0.60406 at epoch 10
7504
7505 *****(1441/1680) *****
7506 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25,
  nodecount': 32})
7507 Restoring model weights from the end of the best epoch: 33.
7508 Epoch 40: early stopping
7509 SCORE: 0.61497 at epoch 33
7510
7511 *****(1442/1680) *****
```

```
7512 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7513 Restoring model weights from the end of the best epoch: 9.
7514 Epoch 16: early stopping
7515 SCORE: 0.6115 at epoch 9
7516
7517 *****(1443/1680) *****
7518 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7519 Restoring model weights from the end of the best epoch: 24.
7520 Epoch 31: early stopping
7521 SCORE: 0.61992 at epoch 17
7522
7523 *****(1444/1680) *****
7524 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
7525 Restoring model weights from the end of the best epoch: 24.
7526 Epoch 31: early stopping
7527 SCORE: 0.61497 at epoch 26
7528
7529 *****(1445/1680) *****
7530 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7531 Restoring model weights from the end of the best epoch: 24.
7532 Epoch 31: early stopping
7533 SCORE: 0.61596 at epoch 25
7534
7535 *****(1446/1680) *****
7536 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7537 Restoring model weights from the end of the best epoch: 10.
7538 Epoch 17: early stopping
7539 SCORE: 0.60258 at epoch 6
7540
7541 *****(1447/1680) *****
```

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```
7542 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
7543 Restoring model weights from the end of the best epoch: 33.  
7544 Epoch 40: early stopping  
7545 SCORE: 0.62141 at epoch 33  
7546  
7547 ***** (1448/1680) *****  
7548 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
7549 Restoring model weights from the end of the best epoch: 10.  
7550 Epoch 17: early stopping  
7551 SCORE: 0.61794 at epoch 6  
7552  
7553 ***** (1449/1680) *****  
7554 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})  
7555 Restoring model weights from the end of the best epoch: 31.  
7556 Epoch 38: early stopping  
7557 SCORE: 0.6224 at epoch 34  
7558  
7559 ***** (1450/1680) *****  
7560 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})  
7561 Restoring model weights from the end of the best epoch: 7.  
7562 Epoch 14: early stopping  
7563 SCORE: 0.61794 at epoch 5  
7564  
7565 ***** (1451/1680) *****  
7566 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})  
7567 Restoring model weights from the end of the best epoch: 33.  
7568 Epoch 40: early stopping  
7569 SCORE: 0.62488 at epoch 33  
7570  
7571 ***** (1452/1680) *****
```

```
7572 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})  
7573 Restoring model weights from the end of the best epoch: 19.  
7574 Epoch 26: early stopping  
7575 SCORE: 0.60258 at epoch 20  
7576  
7577 ***** (1453/1680) *****  
7578 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})  
7579 Restoring model weights from the end of the best epoch: 40.  
7580 Epoch 47: early stopping  
7581 SCORE: 0.62091 at epoch 40  
7582  
7583 ***** (1454/1680) *****  
7584 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
7585 Restoring model weights from the end of the best epoch: 9.  
7586 Epoch 16: early stopping  
7587 SCORE: 0.62339 at epoch 5  
7588  
7589 ***** (1455/1680) *****  
7590 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
7591 Restoring model weights from the end of the best epoch: 24.  
7592 Epoch 31: early stopping  
7593 SCORE: 0.61943 at epoch 25  
7594  
7595 ***** (1456/1680) *****  
7596 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
7597 Restoring model weights from the end of the best epoch: 24.  
7598 Epoch 31: early stopping  
7599 SCORE: 0.62785 at epoch 17  
7600  
7601 ***** (1457/1680) *****
```

```
7602 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7603 Restoring model weights from the end of the best epoch: 24.
7604 Epoch 31: early stopping
7605 SCORE: 0.61893 at epoch 24
7606
7607 *****(1458/1680) *****
7608 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7609 Restoring model weights from the end of the best epoch: 10.
7610 Epoch 17: early stopping
7611 SCORE: 0.60406 at epoch 6
7612
7613 *****(1459/1680) *****
7614 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7615 Restoring model weights from the end of the best epoch: 24.
7616 Epoch 31: early stopping
7617 SCORE: 0.60406 at epoch 10
7618
7619 *****(1460/1680) *****
7620 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7621 Restoring model weights from the end of the best epoch: 10.
7622 Epoch 17: early stopping
7623 SCORE: 0.57532 at epoch 6
7624
7625 *****(1461/1680) *****
7626 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7627 Restoring model weights from the end of the best epoch: 31.
7628 Epoch 38: early stopping
7629 SCORE: 0.61645 at epoch 27
7630
7631 *****(1462/1680) *****
```

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```
7632 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7633 Restoring model weights from the end of the best epoch: 7.
7634 Epoch 14: early stopping
7635 SCORE: 0.611 at epoch 5
7636
7637 *****(1463/1680) *****
7638 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7639 Restoring model weights from the end of the best epoch: 30.
7640 Epoch 37: early stopping
7641 SCORE: 0.61695 at epoch 34
7642
7643 *****(1464/1680) *****
7644 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
7645 Restoring model weights from the end of the best epoch: 19.
7646 Epoch 26: early stopping
7647 SCORE: 0.62141 at epoch 17
7648
7649 *****(1465/1680) *****
7650 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7651 Restoring model weights from the end of the best epoch: 33.
7652 Epoch 40: early stopping
7653 SCORE: 0.62141 at epoch 33
7654
7655 *****(1466/1680) *****
7656 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7657 Restoring model weights from the end of the best epoch: 7.
7658 Epoch 14: early stopping
7659 SCORE: 0.60307 at epoch 5
7660
7661 *****(1467/1680) *****
```

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```
7662 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7663 Restoring model weights from the end of the best epoch: 24.
7664 Epoch 31: early stopping
7665 SCORE: 0.61645 at epoch 26
7666
7667 *****(1468/1680) *****
7668 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
7669 Restoring model weights from the end of the best epoch: 24.
7670 Epoch 31: early stopping
7671 SCORE: 0.61645 at epoch 17
7672
7673 *****(1469/1680) *****
7674 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7675 Restoring model weights from the end of the best epoch: 27.
7676 Epoch 34: early stopping
7677 SCORE: 0.61497 at epoch 24
7678
7679 *****(1470/1680) *****
7680 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7681 Restoring model weights from the end of the best epoch: 10.
7682 Epoch 17: early stopping
7683 SCORE: 0.60852 at epoch 10
7684
7685 *****(1471/1680) *****
7686 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7687 Restoring model weights from the end of the best epoch: 24.
7688 Epoch 31: early stopping
7689 SCORE: 0.61497 at epoch 25
7690
7691 *****(1472/1680) *****
```

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7692 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7693 Restoring model weights from the end of the best epoch: 10.
7694 Epoch 17: early stopping
7695 SCORE: 0.59019 at epoch 10
7696
7697 *****(1473/1680) *****
7698 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7699 Restoring model weights from the end of the best epoch: 31.
7700 Epoch 38: early stopping
7701 SCORE: 0.60159 at epoch 12
7702
7703 *****(1474/1680) *****
7704 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7705 Restoring model weights from the end of the best epoch: 7.
7706 Epoch 14: early stopping
7707 SCORE: 0.61249 at epoch 10
7708
7709 *****(1475/1680) *****
7710 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7711 Restoring model weights from the end of the best epoch: 30.
7712 Epoch 37: early stopping
7713 SCORE: 0.62141 at epoch 34
7714
7715 *****(1476/1680) *****
7716 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
7717 Restoring model weights from the end of the best epoch: 19.
7718 Epoch 26: early stopping
7719 SCORE: 0.60406 at epoch 19
7720
7721 *****(1477/1680) *****
```

```
7722 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7723 Restoring model weights from the end of the best epoch: 40.
7724 Epoch 47: early stopping
7725 SCORE: 0.61843 at epoch 32
7726
7727 *****(1478/1680) *****
7728 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7729 Restoring model weights from the end of the best epoch: 7.
7730 Epoch 14: early stopping
7731 SCORE: 0.59019 at epoch 5
7732
7733 *****(1479/1680) *****
7734 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7735 Restoring model weights from the end of the best epoch: 33.
7736 Epoch 40: early stopping
7737 SCORE: 0.62488 at epoch 33
7738
7739 *****(1480/1680) *****
7740 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
7741 Restoring model weights from the end of the best epoch: 24.
7742 Epoch 31: early stopping
7743 SCORE: 0.63181 at epoch 17
7744
7745 *****(1481/1680) *****
7746 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7747 Restoring model weights from the end of the best epoch: 35.
7748 Epoch 42: early stopping
7749 SCORE: 0.61893 at epoch 24
7750
7751 *****(1482/1680) *****
```

```
7752 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7753 Restoring model weights from the end of the best epoch: 10.
7754 Epoch 17: early stopping
7755 SCORE: 0.58127 at epoch 6
7756
7757 *****(1483/1680) *****
7758 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7759 Restoring model weights from the end of the best epoch: 24.
7760 Epoch 31: early stopping
7761 SCORE: 0.61546 at epoch 25
7762
7763 *****(1484/1680) *****
7764 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7765 Restoring model weights from the end of the best epoch: 10.
7766 Epoch 17: early stopping
7767 SCORE: 0.5783 at epoch 6
7768
7769 *****(1485/1680) *****
7770 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7771 Restoring model weights from the end of the best epoch: 31.
7772 Epoch 38: early stopping
7773 SCORE: 0.60654 at epoch 14
7774
7775 *****(1486/1680) *****
7776 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7777 Restoring model weights from the end of the best epoch: 7.
7778 Epoch 14: early stopping
7779 SCORE: 0.62289 at epoch 3
7780
7781 *****(1487/1680) *****
```

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7782 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7783 Restoring model weights from the end of the best epoch: 30.
7784 Epoch 37: early stopping
7785 SCORE: 0.62091 at epoch 34
7786
7787 *****(1488/1680) *****
7788 Search({'activation': 'linear', 'optimizer': 'Adam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
7789 Restoring model weights from the end of the best epoch: 19.
7790 Epoch 26: early stopping
7791 SCORE: 0.61943 at epoch 19
7792
7793 *****(1489/1680) *****
7794 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7795 Restoring model weights from the end of the best epoch: 33.
7796 Epoch 40: early stopping
7797 SCORE: 0.62389 at epoch 33
7798
7799 *****(1490/1680) *****
7800 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7801 Restoring model weights from the end of the best epoch: 16.
7802 Epoch 23: early stopping
7803 SCORE: 0.60902 at epoch 21
7804
7805 *****(1491/1680) *****
7806 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7807 Restoring model weights from the end of the best epoch: 16.
7808 Epoch 23: early stopping
7809 SCORE: 0.61843 at epoch 21
7810
7811 *****(1492/1680) *****
```

```
7812 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
7813 Restoring model weights from the end of the best epoch: 16.  
7814 Epoch 23: early stopping  
7815 SCORE: 0.61249 at epoch 21  
7816  
7817 ***** (1493/1680) *****  
7818 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
7819 Restoring model weights from the end of the best epoch: 33.  
7820 Epoch 40: early stopping  
7821 SCORE: 0.6224 at epoch 33  
7822  
7823 ***** (1494/1680) *****  
7824 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
7825 Restoring model weights from the end of the best epoch: 18.  
7826 Epoch 25: early stopping  
7827 SCORE: 0.60852 at epoch 21  
7828  
7829 ***** (1495/1680) *****  
7830 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})  
7831 Restoring model weights from the end of the best epoch: 18.  
7832 Epoch 25: early stopping  
7833 SCORE: 0.60406 at epoch 21  
7834  
7835 ***** (1496/1680) *****  
7836 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})  
7837 Restoring model weights from the end of the best epoch: 18.  
7838 Epoch 25: early stopping  
7839 SCORE: 0.61348 at epoch 19  
7840  
7841 ***** (1497/1680) *****
```

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7842 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7843 Restoring model weights from the end of the best epoch: 49.
7844 Epoch 56: early stopping
7845 SCORE: 0.62289 at epoch 49
7846
7847 *****(1498/1680) *****
7848 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7849 Restoring model weights from the end of the best epoch: 10.
7850 Epoch 17: early stopping
7851 SCORE: 0.59118 at epoch 10
7852
7853 *****(1499/1680) *****
7854 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7855 Restoring model weights from the end of the best epoch: 30.
7856 Epoch 37: early stopping
7857 SCORE: 0.61893 at epoch 25
7858
7859 *****(1500/1680) *****
7860 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
7861 Restoring model weights from the end of the best epoch: 10.
7862 Epoch 17: early stopping
7863 SCORE: 0.61497 at epoch 14
7864
7865 *****(1501/1680) *****
7866 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7867 Restoring model weights from the end of the best epoch: 33.
7868 Epoch 40: early stopping
7869 SCORE: 0.62141 at epoch 33
7870
7871 *****(1502/1680) *****
```

```
7872 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})  
7873 Restoring model weights from the end of the best epoch: 16.  
7874 Epoch 23: early stopping  
7875 SCORE: 0.60852 at epoch 21  
7876  
7877 ***** (1503/1680) *****  
7878 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})  
7879 Restoring model weights from the end of the best epoch: 24.  
7880 Epoch 31: early stopping  
7881 SCORE: 0.62091 at epoch 24  
7882  
7883 ***** (1504/1680) *****  
7884 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})  
7885 Restoring model weights from the end of the best epoch: 16.  
7886 Epoch 23: early stopping  
7887 SCORE: 0.61744 at epoch 16  
7888  
7889 ***** (1505/1680) *****  
7890 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})  
7891 Restoring model weights from the end of the best epoch: 24.  
7892 Epoch 31: early stopping  
7893 SCORE: 0.61843 at epoch 24  
7894  
7895 ***** (1506/1680) *****  
7896 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})  
7897 Restoring model weights from the end of the best epoch: 18.  
7898 Epoch 25: early stopping  
7899 SCORE: 0.60902 at epoch 21  
7900  
7901 ***** (1507/1680) *****
```

```
7902 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7903 Restoring model weights from the end of the best epoch: 33.
7904 Epoch 40: early stopping
7905 SCORE: 0.62488 at epoch 33
7906
7907 *****(1508/1680) *****
7908 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7909 Restoring model weights from the end of the best epoch: 16.
7910 Epoch 23: early stopping
7911 SCORE: 0.60555 at epoch 21
7912
7913 *****(1509/1680) *****
7914 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7915 Restoring model weights from the end of the best epoch: 49.
7916 Epoch 56: early stopping
7917 SCORE: 0.62091 at epoch 45
7918
7919 *****(1510/1680) *****
7920 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7921 Restoring model weights from the end of the best epoch: 10.
7922 Epoch 17: early stopping
7923 SCORE: 0.58969 at epoch 14
7924
7925 *****(1511/1680) *****
7926 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7927 Restoring model weights from the end of the best epoch: 30.
7928 Epoch 37: early stopping
7929 SCORE: 0.61596 at epoch 25
7930
7931 *****(1512/1680) *****
```

```
7932 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
7933 Restoring model weights from the end of the best epoch: 29.
7934 Epoch 36: early stopping
7935 SCORE: 0.61843 at epoch 29
7936
7937 *****(1513/1680) *****
7938 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
7939 Restoring model weights from the end of the best epoch: 33.
7940 Epoch 40: early stopping
7941 SCORE: 0.62042 at epoch 33
7942
7943 *****(1514/1680) *****
7944 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
7945 Restoring model weights from the end of the best epoch: 16.
7946 Epoch 23: early stopping
7947 SCORE: 0.61843 at epoch 16
7948
7949 *****(1515/1680) *****
7950 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
7951 Restoring model weights from the end of the best epoch: 24.
7952 Epoch 31: early stopping
7953 SCORE: 0.61992 at epoch 24
7954
7955 *****(1516/1680) *****
7956 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
7957 Restoring model weights from the end of the best epoch: 16.
7958 Epoch 23: early stopping
7959 SCORE: 0.61695 at epoch 16
7960
7961 *****(1517/1680) *****
```

```
7962 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
7963 Restoring model weights from the end of the best epoch: 33.
7964 Epoch 40: early stopping
7965 SCORE: 0.6219 at epoch 35
7966
7967 *****(1518/1680) *****
7968 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
7969 Restoring model weights from the end of the best epoch: 16.
7970 Epoch 23: early stopping
7971 SCORE: 0.59812 at epoch 19
7972
7973 *****(1519/1680) *****
7974 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
7975 Restoring model weights from the end of the best epoch: 24.
7976 Epoch 31: early stopping
7977 SCORE: 0.61199 at epoch 25
7978
7979 *****(1520/1680) *****
7980 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
7981 Restoring model weights from the end of the best epoch: 16.
7982 Epoch 23: early stopping
7983 SCORE: 0.61992 at epoch 19
7984
7985 *****(1521/1680) *****
7986 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
7987 Restoring model weights from the end of the best epoch: 59.
7988 Epoch 66: early stopping
7989 SCORE: 0.61843 at epoch 59
7990
7991 *****(1522/1680) *****
```

```
7992 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
7993 Restoring model weights from the end of the best epoch: 10.
7994 Epoch 17: early stopping
7995 SCORE: 0.61794 at epoch 14
7996
7997 *****(1523/1680) *****
7998 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
7999 Restoring model weights from the end of the best epoch: 33.
8000 Epoch 40: early stopping
8001 SCORE: 0.6224 at epoch 40
8002
8003 *****(1524/1680) *****
8004 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
8005 Restoring model weights from the end of the best epoch: 30.
8006 Epoch 37: early stopping
8007 SCORE: 0.61794 at epoch 25
8008
8009 *****(1525/1680) *****
8010 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 32})
8011 Restoring model weights from the end of the best epoch: 43.
8012 Epoch 50: early stopping
8013 SCORE: 0.6219 at epoch 33
8014
8015 *****(1526/1680) *****
8016 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 256})
8017 Restoring model weights from the end of the best epoch: 16.
8018 Epoch 23: early stopping
8019 SCORE: 0.61051 at epoch 21
8020
8021 *****(1527/1680) *****
```

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```
8022 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 64})
8023 Restoring model weights from the end of the best epoch: 24.
8024 Epoch 31: early stopping
8025 SCORE: 0.6224 at epoch 26
8026
8027 *****(1528/1680) *****
8028 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25, 'nodecount': 128})
8029 Restoring model weights from the end of the best epoch: 16.
8030 Epoch 23: early stopping
8031 SCORE: 0.62686 at epoch 16
8032
8033 *****(1529/1680) *****
8034 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 32})
8035 Restoring model weights from the end of the best epoch: 33.
8036 Epoch 40: early stopping
8037 SCORE: 0.61298 at epoch 35
8038
8039 *****(1530/1680) *****
8040 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 256})
8041 Restoring model weights from the end of the best epoch: 6.
8042 Epoch 13: early stopping
8043 SCORE: 0.53865 at epoch 8
8044
8045 *****(1531/1680) *****
8046 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 64})
8047 Restoring model weights from the end of the best epoch: 33.
8048 Epoch 40: early stopping
8049 SCORE: 0.6219 at epoch 33
8050
8051 *****(1532/1680) *****
```

```
8052 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10, 'nodecount': 128})
8053 Restoring model weights from the end of the best epoch: 16.
8054 Epoch 23: early stopping
8055 SCORE: 0.61447 at epoch 19
8056
8057 *****(1533/1680) *****
8058 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 32})
8059 Restoring model weights from the end of the best epoch: 58.
8060 Epoch 65: early stopping
8061 SCORE: 0.62339 at epoch 59
8062
8063 *****(1534/1680) *****
8064 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 256})
8065 Restoring model weights from the end of the best epoch: 10.
8066 Epoch 17: early stopping
8067 SCORE: 0.59366 at epoch 14
8068
8069 *****(1535/1680) *****
8070 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 64})
8071 Restoring model weights from the end of the best epoch: 33.
8072 Epoch 40: early stopping
8073 SCORE: 0.61943 at epoch 40
8074
8075 *****(1536/1680) *****
8076 Search({'activation': 'linear', 'optimizer': 'Nadam', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50, 'nodecount': 128})
8077 Restoring model weights from the end of the best epoch: 30.
8078 Epoch 37: early stopping
8079 SCORE: 0.61447 at epoch 25
8080
8081 *****(1537/1680) *****
```

```
8082 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 32})
8083 SCORE: 0.49108 at epoch 98
8084
8085 ***** (1538/1680) *****
8086 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 256})
8087 SCORE: 0.57879 at epoch 83
8088
8089 ***** (1539/1680) *****
8090 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
8091 SCORE: 0.50446 at epoch 83
8092
8093 ***** (1540/1680) *****
8094 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
8095 SCORE: 0.52131 at epoch 79
8096
8097 ***** (1541/1680) *****
8098 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
8099 SCORE: 0.50545 at epoch 98
8100
8101 ***** (1542/1680) *****
8102 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
8103 SCORE: 0.60159 at epoch 83
8104
8105 ***** (1543/1680) *****
8106 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
8107 SCORE: 0.52081 at epoch 98
8108
8109 ***** (1544/1680) *****
```

```
8110 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
8111   , 'nodecount': 128})
8112
8113 *****(1545/1680) *****
8114 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
8115   , 'nodecount': 32})
8116 SCORE: 0.47968 at epoch 90
8117 *****(1546/1680) *****
8118 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
8119   , 'nodecount': 256})
8120 SCORE: 0.56739 at epoch 83
8121 *****(1547/1680) *****
8122 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
8123   , 'nodecount': 64})
8124 SCORE: 0.49257 at epoch 95
8125 *****(1548/1680) *****
8126 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
8127   , 'nodecount': 128})
8128 SCORE: 0.50198 at epoch 95
8129 *****(1549/1680) *****
8130 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
8131   , 'nodecount': 32})
8132 SCORE: 0.5 at epoch 99
8133 *****(1550/1680) *****
8134 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
8135   , 'nodecount': 256})
8136 SCORE: 0.58226 at epoch 83
8137 *****(1551/1680) *****
```

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8138 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
8139 SCORE: 0.50595 at epoch 83
8140
8141 *****(1552/1680) *****
8142 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
8143 SCORE: 0.5223 at epoch 79
8144
8145 *****(1553/1680) *****
8146 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
8147 SCORE: 0.50743 at epoch 91
8148
8149 *****(1554/1680) *****
8150 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
8151 SCORE: 0.59217 at epoch 83
8152
8153 *****(1555/1680) *****
8154 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
8155 SCORE: 0.51784 at epoch 98
8156
8157 *****(1556/1680) *****
8158 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
8159 SCORE: 0.54163 at epoch 44
8160
8161 *****(1557/1680) *****
8162 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
8163 SCORE: 0.48414 at epoch 99
8164
8165 *****(1558/1680) *****
```

```
8166 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
8167 SCORE: 0.56293 at epoch 79
8168
8169 *****(1559/1680) *****
8170 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 64})
8171 SCORE: 0.49207 at epoch 84
8172
8173 *****(1560/1680) *****
8174 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
8175 SCORE: 0.4995 at epoch 91
8176
8177 *****(1561/1680) *****
8178 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 32})
8179 SCORE: 0.50149 at epoch 98
8180
8181 *****(1562/1680) *****
8182 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 256})
8183 SCORE: 0.5664 at epoch 79
8184
8185 *****(1563/1680) *****
8186 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
8187 SCORE: 0.50545 at epoch 89
8188
8189 *****(1564/1680) *****
8190 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
8191 SCORE: 0.5114 at epoch 65
8192
8193 *****(1565/1680) *****
```

```
8194 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
8195   , 'nodecount': 32})
8196
8197 *****(1566/1680) *****
8198 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
8199   , 'nodecount': 256})
8200
8201 *****(1567/1680) *****
8202 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
8203   , 'nodecount': 64})
8204
8205 *****(1568/1680) *****
8206 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
8207   , 'nodecount': 128})
8208
8209 *****(1569/1680) *****
8210 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8211   , 'nodecount': 32})
8212
8213 *****(1570/1680) *****
8214 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8215   , 'nodecount': 256})
8216
8217 *****(1571/1680) *****
8218 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8219   , 'nodecount': 64})
8220
8221 *****(1572/1680) *****
```

```
8222 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8223   , 'nodecount': 128})
8224
8225 *****(1573/1680) *****
8226 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
8227   , 'nodecount': 32})
8228 SCORE: 0.49802 at epoch 95
8229 *****(1574/1680) *****
8230 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
8231   , 'nodecount': 256})
8232 SCORE: 0.50099 at epoch 98
8233 *****(1575/1680) *****
8234 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
8235   , 'nodecount': 64})
8236 SCORE: 0.50334 at epoch 64
8237 *****(1576/1680) *****
8238 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
8239   , 'nodecount': 128})
8240 SCORE: 0.50644 at epoch 90
8241 *****(1577/1680) *****
8242 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
8243   , 'nodecount': 32})
8244 SCORE: 0.51041 at epoch 99
8245 *****(1578/1680) *****
8246 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
8247   , 'nodecount': 256})
8248 SCORE: 0.51514 at epoch 79
8249 *****(1579/1680) *****
```

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```
8250 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
8251   , 'nodecount': 64})
8252
8253 *****(1580/1680) *****
8254 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
8255   , 'nodecount': 128})
8256 SCORE: 0.51536 at epoch 98
8257 *****(1581/1680) *****
8258 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8259   , 'nodecount': 32})
8260 SCORE: 0.48167 at epoch 100
8261 *****(1582/1680) *****
8262 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8263   , 'nodecount': 256})
8264 SCORE: 0.55798 at epoch 87
8265 *****(1583/1680) *****
8266 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8267   , 'nodecount': 64})
8268 SCORE: 0.49158 at epoch 87
8269 *****(1584/1680) *****
8270 Search({'activation': 'linear', 'optimizer': 'Adagrad', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8271   , 'nodecount': 128})
8272 SCORE: 0.49802 at epoch 95
8273 *****(1585/1680) *****
8274 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
8275   , 'nodecount': 32})
8276 SCORE: 0.32161 at epoch 100
8277 *****(1586/1680) *****
```

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8278 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'batch_size': 25
8279   , 'nodecount': 256})
8280
8281 *****(1587/1680) *****
8282 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
8283   , 'nodecount': 64})
8284 SCORE: 0.37364 at epoch 100
8285 *****(1588/1680) *****
8286 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
8287   , 'nodecount': 128})
8288 SCORE: 0.42418 at epoch 100
8289 *****(1589/1680) *****
8290 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
8291   , 'nodecount': 32})
8292 SCORE: 0.40188 at epoch 100
8293 *****(1590/1680) *****
8294 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
8295   , 'nodecount': 256})
8296 SCORE: 0.47473 at epoch 98
8297 *****(1591/1680) *****
8298 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
8299   , 'nodecount': 64})
8300 SCORE: 0.43162 at epoch 100
8301 *****(1592/1680) *****
8302 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
8303   , 'nodecount': 128})
8304 SCORE: 0.45837 at epoch 100
8305 *****(1593/1680) *****
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8306 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'batch_size': 50
8307   , 'nodecount': 32})
8308
8309 *****(1594/1680) *****
8310 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
8311   , 'nodecount': 256})
8312 SCORE: 0.25273 at epoch 100
8313 *****(1595/1680) *****
8314 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
8315   , 'nodecount': 64})
8316 SCORE: 0.28989 at epoch 99
8317 *****(1596/1680) *****
8318 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
8319   , 'nodecount': 128})
8320 SCORE: 0.389 at epoch 100
8321 *****(1597/1680) *****
8322 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
8323   , 'nodecount': 32})
8324 SCORE: 0.31169 at epoch 100
8325 *****(1598/1680) *****
8326 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
8327   , 'nodecount': 256})
8328 SCORE: 0.4336 at epoch 100
8329 *****(1599/1680) *****
8330 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
8331   , 'nodecount': 64})
8332 SCORE: 0.36422 at epoch 99
8333 *****(1600/1680) *****
```

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8334 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
8335 SCORE: 0.41873 at epoch 100
8336
8337 ***** (1601/1680) *****
8338 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
8339 SCORE: 0.38999 at epoch 100
8340
8341 ***** (1602/1680) *****
8342 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
8343 SCORE: 0.47175 at epoch 98
8344
8345 ***** (1603/1680) *****
8346 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
8347 SCORE: 0.42418 at epoch 99
8348
8349 ***** (1604/1680) *****
8350 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 128})
8351 SCORE: 0.4559 at epoch 100
8352
8353 ***** (1605/1680) *****
8354 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 32})
8355 SCORE: 0.24876 at epoch 100
8356
8357 ***** (1606/1680) *****
8358 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 256})
8359 SCORE: 0.3999 at epoch 99
8360
8361 ***** (1607/1680) *****
```

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8362 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
8363   , 'nodecount': 64})
8364
8365 *****(1608/1680) *****
8366 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
8367   , 'nodecount': 128})
8368 SCORE: 0.28196 at epoch 100
8369 *****(1609/1680) *****
8370 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
8371   , 'nodecount': 32})
8372 SCORE: 0.2894 at epoch 100
8373 *****(1610/1680) *****
8374 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
8375   , 'nodecount': 256})
8376 SCORE: 0.42914 at epoch 100
8377 *****(1611/1680) *****
8378 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
8379   , 'nodecount': 64})
8380 SCORE: 0.34192 at epoch 100
8381 *****(1612/1680) *****
8382 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
8383   , 'nodecount': 128})
8384 SCORE: 0.40287 at epoch 100
8385 *****(1613/1680) *****
8386 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
8387   , 'nodecount': 32})
8388 SCORE: 0.37116 at epoch 99
8389 *****(1614/1680) *****
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8390 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'batch_size': 100, 'epochs': 100, 'batch_size': 100
8391   , 'nodecount': 256})
8392
8393 *****(1615/1680) *****
8394 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 100
8395   , 'nodecount': 64})
8396 SCORE: 0.46333 at epoch 97
8397 *****(1616/1680) *****
8398 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 100
8399   , 'nodecount': 128})
8400 SCORE: 0.44747 at epoch 100
8401 *****(1617/1680) *****
8402 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8403   , 'nodecount': 32})
8404 SCORE: 0.23637 at epoch 100
8405 *****(1618/1680) *****
8406 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8407   , 'nodecount': 256})
8408 SCORE: 0.39693 at epoch 100
8409 *****(1619/1680) *****
8410 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8411   , 'nodecount': 64})
8412 SCORE: 0.26363 at epoch 100
8413 *****(1620/1680) *****
8414 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
8415   , 'nodecount': 128})
8416 SCORE: 0.36174 at epoch 100
8417 *****(1621/1680) *****
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8418 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 32})
8419 SCORE: 0.2998 at epoch 100
8420
8421 *****(1622/1680) *****
8422 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 256})
8423 SCORE: 0.43112 at epoch 98
8424
8425 *****(1623/1680) *****
8426 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 64})
8427 SCORE: 0.35629 at epoch 99
8428
8429 *****(1624/1680) *****
8430 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
  , 'nodecount': 128})
8431 SCORE: 0.40882 at epoch 100
8432
8433 *****(1625/1680) *****
8434 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 32})
8435 SCORE: 0.38107 at epoch 100
8436
8437 *****(1626/1680) *****
8438 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 256})
8439 SCORE: 0.46779 at epoch 98
8440
8441 *****(1627/1680) *****
8442 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
  , 'nodecount': 64})
8443 SCORE: 0.41675 at epoch 98
8444
8445 *****(1628/1680) *****
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8446 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'batch_size': 100, 'epochs': 100, 'batch_size': 100
8447   , 'nodecount': 128})
8448
8449 *****(1629/1680) *****
8450 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8451   , 'nodecount': 32})
8452 SCORE: 0.45094 at epoch 96
8453 *****(1630/1680) *****
8454 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8455   , 'nodecount': 256})
8456 SCORE: 0.39742 at epoch 96
8457 *****(1631/1680) *****
8458 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8459   , 'nodecount': 64})
8460 SCORE: 0.27156 at epoch 100
8461 *****(1632/1680) *****
8462 Search({'activation': 'linear', 'optimizer': 'Adadelta', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
8463   , 'nodecount': 128})
8464 SCORE: 0.37413 at epoch 100
8465 *****(1633/1680) *****
8466 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
8467   , 'nodecount': 32})
8468 Restoring model weights from the end of the best epoch: 64.
8469 Epoch 71: early stopping
8470 SCORE: 0.62537 at epoch 69
8471 *****(1634/1680) *****
8472 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
8473   , 'nodecount': 256})
8474 Restoring model weights from the end of the best epoch: 24.
```

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8474 Epoch 31: early stopping
8475 SCORE: 0.62042 at epoch 26
8476
8477 *****(1635/1680) *****
8478 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
8479 Restoring model weights from the end of the best epoch: 45.
8480 Epoch 52: early stopping
8481 SCORE: 0.61051 at epoch 26
8482
8483 *****(1636/1680) *****
8484 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
8485 Restoring model weights from the end of the best epoch: 33.
8486 Epoch 40: early stopping
8487 SCORE: 0.62537 at epoch 40
8488
8489 *****(1637/1680) *****
8490 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
8491 Restoring model weights from the end of the best epoch: 40.
8492 Epoch 47: early stopping
8493 SCORE: 0.62119 at epoch 34
8494
8495 *****(1638/1680) *****
8496 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
8497 Restoring model weights from the end of the best epoch: 10.
8498 Epoch 17: early stopping
8499 SCORE: 0.61348 at epoch 6
8500
8501 *****(1639/1680) *****
8502 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
8503 Restoring model weights from the end of the best epoch: 33.
```

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8504 Epoch 40: early stopping
8505 SCORE: 0.62339 at epoch 24
8506
8507 *****(1640/1680) *****
8508 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
8509 Restoring model weights from the end of the best epoch: 24.
8510 Epoch 31: early stopping
8511 SCORE: 0.62141 at epoch 24
8512
8513 *****(1641/1680) *****
8514 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
8515 Restoring model weights from the end of the best epoch: 82.
8516 Epoch 89: early stopping
8517 SCORE: 0.62735 at epoch 82
8518
8519 *****(1642/1680) *****
8520 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
8521 Restoring model weights from the end of the best epoch: 33.
8522 Epoch 40: early stopping
8523 SCORE: 0.60951 at epoch 26
8524
8525 *****(1643/1680) *****
8526 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
8527 Restoring model weights from the end of the best epoch: 51.
8528 Epoch 58: early stopping
8529 SCORE: 0.62042 at epoch 52
8530
8531 *****(1644/1680) *****
8532 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.0, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
8533 Restoring model weights from the end of the best epoch: 31.
```

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8534 Epoch 38: early stopping
8535 SCORE: 0.62488 at epoch 30
8536
8537 *****(1645/1680) *****
8538 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
8539 Restoring model weights from the end of the best epoch: 69.
8540 Epoch 76: early stopping
8541 SCORE: 0.62438 at epoch 69
8542
8543 *****(1646/1680) *****
8544 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
8545 Restoring model weights from the end of the best epoch: 24.
8546 Epoch 31: early stopping
8547 SCORE: 0.62042 at epoch 26
8548
8549 *****(1647/1680) *****
8550 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
8551 Restoring model weights from the end of the best epoch: 30.
8552 Epoch 37: early stopping
8553 SCORE: 0.6224 at epoch 30
8554
8555 *****(1648/1680) *****
8556 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
8557 Restoring model weights from the end of the best epoch: 33.
8558 Epoch 40: early stopping
8559 SCORE: 0.61249 at epoch 32
8560
8561 *****(1649/1680) *****
8562 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
8563 Restoring model weights from the end of the best epoch: 49.
```

```
8564 Epoch 56: early stopping
8565 SCORE: 0.61596 at epoch 49
8566
8567 *****(1650/1680) *****
8568 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
8569 Restoring model weights from the end of the best epoch: 10.
8570 Epoch 17: early stopping
8571 SCORE: 0.61199 at epoch 10
8572
8573 *****(1651/1680) *****
8574 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
8575 Restoring model weights from the end of the best epoch: 33.
8576 Epoch 40: early stopping
8577 SCORE: 0.62289 at epoch 20
8578
8579 *****(1652/1680) *****
8580 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
8581 Restoring model weights from the end of the best epoch: 24.
8582 Epoch 31: early stopping
8583 SCORE: 0.62934 at epoch 24
8584
8585 *****(1653/1680) *****
8586 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
8587 Restoring model weights from the end of the best epoch: 90.
8588 Epoch 97: early stopping
8589 SCORE: 0.62983 at epoch 90
8590
8591 *****(1654/1680) *****
8592 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
8593 Restoring model weights from the end of the best epoch: 30.
```

```
8594 Epoch 37: early stopping
8595 SCORE: 0.61397 at epoch 26
8596
8597 *****(1655/1680) *****
8598 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
8599 Restoring model weights from the end of the best epoch: 51.
8600 Epoch 58: early stopping
8601 SCORE: 0.61843 at epoch 45
8602
8603 *****(1656/1680) *****
8604 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.1, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
8605 Restoring model weights from the end of the best epoch: 31.
8606 Epoch 38: early stopping
8607 SCORE: 0.61794 at epoch 30
8608
8609 *****(1657/1680) *****
8610 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
8611 Restoring model weights from the end of the best epoch: 90.
8612 Epoch 97: early stopping
8613 SCORE: 0.62389 at epoch 86
8614
8615 *****(1658/1680) *****
8616 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
8617 Restoring model weights from the end of the best epoch: 33.
8618 Epoch 40: early stopping
8619 SCORE: 0.61992 at epoch 40
8620
8621 *****(1659/1680) *****
8622 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
8623 Restoring model weights from the end of the best epoch: 58.
```

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8624 Epoch 65: early stopping
8625 SCORE: 0.62091 at epoch 59
8626
8627 *****(1660/1680) *****
8628 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
8629 Restoring model weights from the end of the best epoch: 45.
8630 Epoch 52: early stopping
8631 SCORE: 0.62339 at epoch 33
8632
8633 *****(1661/1680) *****
8634 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
8635 Restoring model weights from the end of the best epoch: 68.
8636 Epoch 75: early stopping
8637 SCORE: 0.61115 at epoch 65
8638
8639 *****(1662/1680) *****
8640 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
8641 Restoring model weights from the end of the best epoch: 24.
8642 Epoch 31: early stopping
8643 SCORE: 0.61794 at epoch 25
8644
8645 *****(1663/1680) *****
8646 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
8647 Restoring model weights from the end of the best epoch: 40.
8648 Epoch 47: early stopping
8649 SCORE: 0.61943 at epoch 40
8650
8651 *****(1664/1680) *****
8652 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
8653 Restoring model weights from the end of the best epoch: 33.
```

```
8654 Epoch 40: early stopping
8655 SCORE: 0.61744 at epoch 40
8656
8657 *****(1665/1680) *****
8658 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
8659 Restoring model weights from the end of the best epoch: 90.
8660 Epoch 97: early stopping
8661 SCORE: 0.62141 at epoch 90
8662
8663 *****(1666/1680) *****
8664 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
8665 Restoring model weights from the end of the best epoch: 31.
8666 Epoch 38: early stopping
8667 SCORE: 0.62537 at epoch 30
8668
8669 *****(1667/1680) *****
8670 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
8671 Restoring model weights from the end of the best epoch: 82.
8672 Epoch 89: early stopping
8673 SCORE: 0.61943 at epoch 65
8674
8675 *****(1668/1680) *****
8676 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.3, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 128})
8677 Restoring model weights from the end of the best epoch: 31.
8678 Epoch 38: early stopping
8679 SCORE: 0.61397 at epoch 24
8680
8681 *****(1669/1680) *****
8682 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 32})
8683 Restoring model weights from the end of the best epoch: 73.
```

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8684 Epoch 80: early stopping
8685 SCORE: 0.62042 at epoch 69
8686
8687 *****(1670/1680) *****
8688 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 256})
8689 Restoring model weights from the end of the best epoch: 33.
8690 Epoch 40: early stopping
8691 SCORE: 0.6219 at epoch 33
8692
8693 *****(1671/1680) *****
8694 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 64})
8695 Restoring model weights from the end of the best epoch: 59.
8696 Epoch 66: early stopping
8697 SCORE: 0.62537 at epoch 59
8698
8699 *****(1672/1680) *****
8700 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 25
   , 'nodecount': 128})
8701 Restoring model weights from the end of the best epoch: 33.
8702 Epoch 40: early stopping
8703 SCORE: 0.61943 at epoch 32
8704
8705 *****(1673/1680) *****
8706 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 32})
8707 Restoring model weights from the end of the best epoch: 49.
8708 Epoch 56: early stopping
8709 SCORE: 0.61298 at epoch 49
8710
8711 *****(1674/1680) *****
8712 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 256})
8713 Restoring model weights from the end of the best epoch: 24.
```

```
8714 Epoch 31: early stopping
8715 SCORE: 0.61695 at epoch 25
8716
8717 *****(1675/1680) *****
8718 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 64})
8719 Restoring model weights from the end of the best epoch: 40.
8720 Epoch 47: early stopping
8721 SCORE: 0.61596 at epoch 41
8722
8723 *****(1676/1680) *****
8724 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 10
   , 'nodecount': 128})
8725 Restoring model weights from the end of the best epoch: 24.
8726 Epoch 31: early stopping
8727 SCORE: 0.61348 at epoch 24
8728
8729 *****(1677/1680) *****
8730 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 32})
8731 Restoring model weights from the end of the best epoch: 90.
8732 Epoch 97: early stopping
8733 SCORE: 0.62389 at epoch 90
8734
8735 *****(1678/1680) *****
8736 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 256})
8737 Restoring model weights from the end of the best epoch: 31.
8738 Epoch 38: early stopping
8739 SCORE: 0.62042 at epoch 34
8740
8741 *****(1679/1680) *****
8742 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
   , 'nodecount': 64})
8743 Restoring model weights from the end of the best epoch: 82.
```

```
8744 Epoch 89: early stopping
8745 SCORE: 0.62636 at epoch 76
8746
8747 *****(1680/1680) *****
8748 Search({'activation': 'linear', 'optimizer': 'Adamax', 'dropout_rate': 0.2, 'epochs': 100, 'batch_size': 50
  , 'nodecount': 128})
8749 Restoring model weights from the end of the best epoch: 31.
8750 Epoch 38: early stopping
8751 SCORE: 0.61447 at epoch 34
8752 Best: 0.714570 using {'activation': 'relu', 'optimizer': 'Nadam', 'dropout_rate': 0.1, 'epochs': 59,
  batch_size': 50, 'nodecount': 256, 'steps_per_epoch': 162}
8753
8754 Process finished with exit code 0
8755
```