

```

1 D:\AnacondaEnvs\DeepLearning\python.exe F:\Works\Python\KQC7016\KQC7016-Group_Assignment\Assignment\main.py
2 No GPU available, using CPU.
3
4 Dataset Loaded
5
6 [log_01] First few rows of dataset:
7     Date/Time LV ActivePower (kW) Wind Speed (m/s) \
8 0 01 01 2018 00:00      380.047791      5.311336
9 1 01 01 2018 00:10      453.769196      5.672167
10 2 01 01 2018 00:20      306.376587      5.216037
11 3 01 01 2018 00:30      419.645905      5.659674
12 4 01 01 2018 00:40      380.650696      5.577941
13
14 Theoretical_Power_Curve (KWh) Wind Direction (°)
15 0           416.328998      259.994904
16 1           519.917511      268.641113
17 2           390.900016      272.564789
18 3           516.127569      271.258087
19 4           491.702972      265.674286
20
21 [log_02] Last few rows of dataset:
22     Date/Time LV ActivePower (kW) Wind Speed (m/s) \
23 50525 31 12 2018 23:10      2963.980957      11.404030
24 50526 31 12 2018 23:20      1684.353027      7.332648
25 50527 31 12 2018 23:30      2201.106934      8.435358
26 50528 31 12 2018 23:40      2515.694092      9.421366
27 50529 31 12 2018 23:50      2820.466064      9.979332
28
29 Theoretical_Power_Curve (KWh) Wind Direction (°)
30 50525           3397.190793      88.502724
31 50526           1173.055771      84.062599
32 50527           1788.284755      84.742580
33 50528           2418.382503      84.297913
34 50529           2779.184096      82.274620
35
36 [log_03] Basic Information about the dataset:
37 <class 'pandas.core.frame.DataFrame'>
38 RangeIndex: 50530 entries, 0 to 50529
39 Data columns (total 5 columns):
40 #   Column          Non-Null Count  Dtype  
41 ---  --  
42 0   Date/Time       50530 non-null   object  
43 1   LV ActivePower (kW)    50530 non-null   float64 
44 2   Wind Speed (m/s)    50530 non-null   float64 
45 3   Theoretical_Power_Curve (KWh) 50530 non-null   float64 
46 4   Wind Direction (°)   50530 non-null   float64 
47 dtypes: float64(4), object(1)
48 memory usage: 1.9+ MB
49 None
50
51 [log_04] Statistical summary of the dataset:
52     LV ActivePower (kW) Wind Speed (m/s) Theoretical_Power_Curve (KWh) \
53 count      50530.000000 50530.000000 50530.000000
54 mean        1307.684332    7.557952 1492.175463
55 std         1312.459242   4.227166 1368.018238
56 min         -2.471405    0.000000  6.000000
57 25%        58.677890    4.201395 161.328167
58 50%        825.838074   7.104594 1063.776283
59 75%        2482.507568  10.300020 2964.972462
60 max        3618.732910  25.206011 3600.000000
61
62 Wind Direction (°)
63 count      50530.000000
64 mean        123.687559
65 std         93.443736
66 min         0.000000
67 25%        49.315437
68 50%        73.712978
69 75%        201.696720
70 max        359.997589
71
72 [log_05] Check for missing values:
73 Date/Time      0
74 LV ActivePower (kW) 0
75 Wind Speed (m/s) 0
76 Theoretical_Power_Curve (KWh) 0
77 Wind Direction (°) 0
78 dtype: int64
79
80 [log_06] Plot Correlation Graph between attributes
81
82 [log_06] Plot Correlation Graph Done
83
84 [log_07] Print Correlation Matrix between attributes
85             LV ActivePower (kW) Wind Speed (m/s) \
86 LV ActivePower (kW)            1.000000  0.912774
87 Wind Speed (m/s)            0.912774  1.000000
88 Theoretical_Power_Curve (KWh) 0.949918  0.944209
89 Wind Direction (°)          -0.062702 -0.077188
90
91             Theoretical_Power_Curve (KWh) \
92 LV ActivePower (kW)            0.949918
93 Wind Speed (m/s)            0.944209
94 Theoretical_Power_Curve (KWh) 1.000000
95 Wind Direction (°)          -0.099076
96
97             Wind Direction (°)
98 LV ActivePower (kW)          -0.062702
99 Wind Speed (m/s)           -0.077188
100 Theoretical_Power_Curve (KWh) -0.099076
101 Wind Direction (°)          1.000000
102
103 [log_08] Plot Correlation Matrix
104
105 [log_08] Plot Correlation Matrix Done
106
107 [log_09] Plot Windrose
108
109 [log_09] Plot Windrose Done
110
111 [log_10] Plot Kernel Density Estimate
112
113 [log_10] Plot Kernel Density Estimate Done
114
115 [log_11] Plot Theoretical_Power_Curve(Month 01) VS Time
116
117 [log_11] Plot Theoretical_Power_Curve(Month 01) VS Time Done
118
119 [log_11] Plot Theoretical_Power_Curve(Month 02) VS Time
120
121 [log_11] Plot Theoretical_Power_Curve(Month 02) VS Time Done
122
123 [log_11] Plot Theoretical_Power_Curve(Month 03) VS Time
124
125 [log_11] Plot Theoretical_Power_Curve(Month 03) VS Time Done
126
127 [log_11] Plot Theoretical_Power_Curve(Month 04) VS Time
128
129 [log_11] Plot Theoretical_Power_Curve(Month 04) VS Time Done
130
131 [log_11] Plot Theoretical_Power_Curve(Month 05) VS Time
132
133 [log_11] Plot Theoretical_Power_Curve(Month 05) VS Time Done
134
135 [log_11] Plot Theoretical_Power_Curve(Month 06) VS Time
136
137 [log_11] Plot Theoretical_Power_Curve(Month 06) VS Time Done
138
139 [log_11] Plot Theoretical_Power_Curve(Month 07) VS Time
140
141 [log_11] Plot Theoretical_Power_Curve(Month 07) VS Time Done
142
143 [log_11] Plot Theoretical_Power_Curve(Month 08) VS Time
144
145 [log_11] Plot Theoretical_Power_Curve(Month 08) VS Time Done
146
147 [log_11] Plot Theoretical_Power_Curve(Month 09) VS Time
148
149 [log_11] Plot Theoretical_Power_Curve(Month 09) VS Time Done
150
151 [log_11] Plot Theoretical_Power_Curve(Month 10) VS Time
152
153 [log_11] Plot Theoretical_Power_Curve(Month 10) VS Time Done
154
155 [log_11] Plot Theoretical_Power_Curve(Month 11) VS Time
156
157 [log_11] Plot Theoretical_Power_Curve(Month 11) VS Time Done
158
159 [log_11] Plot Theoretical_Power_Curve(Month 12) VS Time
160
161 [log_11] Plot Theoretical_Power_Curve(Month 12) VS Time Done
162
163 [log_11] Plot Theoretical_Power_Curve VS Time
164
165 [log_11] Plot Theoretical_Power_Curve VS Time Done
166
167 [log_12] Plot Wind Speed(Month 01) VS Time
168
169 [log_12] Plot Wind Speed(Month 01) VS Time Done
170
171 [log_12] Plot Wind Speed(Month 02) VS Time
172
173 [log_12] Plot Wind Speed(Month 02) VS Time Done
174
175 [log_12] Plot Wind Speed(Month 03) VS Time
176
177 [log_12] Plot Wind Speed(Month 03) VS Time Done
178
179 [log_12] Plot Wind Speed(Month 04) VS Time
180
181 [log_12] Plot Wind Speed(Month 04) VS Time Done
182
183 [log_12] Plot Wind Speed(Month 05) VS Time
184
185 [log_12] Plot Wind Speed(Month 05) VS Time Done
186
187 [log_12] Plot Wind Speed(Month 06) VS Time
188
189 [log_12] Plot Wind Speed(Month 06) VS Time Done
190

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191 [log_12] Plot Wind Speed(Month 07) VS Time
192
193 [log_12] Plot Wind Speed(Month 07) VS Time Done
194
195 [log_12] Plot Wind Speed(Month 08) VS Time
196
197 [log_12] Plot Wind Speed(Month 08) VS Time Done
198
199 [log_12] Plot Wind Speed(Month 09) VS Time
200
201 [log_12] Plot Wind Speed(Month 09) VS Time Done
202
203 [log_12] Plot Wind Speed(Month 10) VS Time
204
205 [log_12] Plot Wind Speed(Month 10) VS Time Done
206
207 [log_12] Plot Wind Speed(Month 11) VS Time
208
209 [log_12] Plot Wind Speed(Month 11) VS Time Done
210
211 [log_12] Plot Wind Speed(Month 12) VS Time
212
213 [log_12] Plot Wind Speed(Month 12) VS Time Done
214
215 [log_12] Plot Wind Speed VS Time
216
217 [log_12] Plot Wind Speed VS Time Done
218 2024-06-07 04:53:49.012437: 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: AVX2
219 To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
220 2024-06-07 04:53:49.013580: I tensorflow/core/common_runtime/process_util.cc:146] Creating new thread pool with default inter op setting: 2. Tune using inter_op_parallelism_THREADS for best performance.
221 49519/49519 [=====] - 58s 1ms/step - loss: 0.0057
222 49519/49519 [=====] - 56s 1ms/step - loss: 0.0056
223 49519/49519 [=====] - 56s 1ms/step - loss: 0.0056
224 49519/49519 [=====] - 55s 1ms/step - loss: 0.0056
225 49519/49519 [=====] - 55s 1ms/step - loss: 0.0056
226 49519/49519 [=====] - 55s 1ms/step - loss: 0.0056
227 49519/49519 [=====] - 56s 1ms/step - loss: 0.0056
228 49519/49519 [=====] - 55s 1ms/step - loss: 0.0056
229 49519/49519 [=====] - 54s 1ms/step - loss: 0.0056
230 49519/49519 [=====] - 58s 1ms/step - loss: 0.0056
231 49519/49519 [=====] - 56s 1ms/step - loss: 0.0055
232 49519/49519 [=====] - 54s 1ms/step - loss: 0.0055
233 49519/49519 [=====] - 55s 1ms/step - loss: 0.0055
234 49519/49519 [=====] - 54s 1ms/step - loss: 0.0055
235 49519/49519 [=====] - 55s 1ms/step - loss: 0.0055
236 1/1 [=====] - 0s 332ms/step
237
238 [log_13]Hour=1, Predicted=3617.439671, Expected=3600.000000
239 1/1 [=====] - 0s 12ms/step
240
241 [log_13]Hour=2, Predicted=3611.272909, Expected=3600.000000
242 1/1 [=====] - 0s 11ms/step
243
244 [log_13]Hour=3, Predicted=3608.717089, Expected=3600.000000
245 1/1 [=====] - 0s 12ms/step
246
247 [log_13]Hour=4, Predicted=3607.969959, Expected=2506.112948
248 1/1 [=====] - 0s 12ms/step
249
250 [log_13]Hour=5, Predicted=2513.744658, Expected=1954.282949
251 1/1 [=====] - 0s 12ms/step
252
253 [log_13]Hour=6, Predicted=1961.801456, Expected=1128.684225
254 1/1 [=====] - 0s 12ms/step
255
256 [log_13]Hour=7, Predicted=1135.773032, Expected=2087.002742
257 1/1 [=====] - 0s 13ms/step
258
259 [log_13]Hour=8, Predicted=2094.191991, Expected=1497.144149
260 1/1 [=====] - 0s 14ms/step
261
262 [log_13]Hour=9, Predicted=1503.778744, Expected=3143.880909
263 1/1 [=====] - 0s 13ms/step
264
265 [log_13]Hour=10, Predicted=3150.567840, Expected=3257.240200
266 1/1 [=====] - 0s 15ms/step
267
268 [log_13]Hour=11, Predicted=3263.958537, Expected=3099.589351
269 1/1 [=====] - 0s 11ms/step
270
271 [log_13]Hour=12, Predicted=3106.138071, Expected=2288.732261
272 1/1 [=====] - 0s 12ms/step
273
274 [log_13]Hour=13, Predicted=2295.296733, Expected=2851.196746
275 1/1 [=====] - 0s 11ms/step
276
277 [log_13]Hour=14, Predicted=2857.744742, Expected=2285.016857
278 1/1 [=====] - 0s 14ms/step
279
280 [log_13]Hour=15, Predicted=2291.742899, Expected=1861.757477
281 1/1 [=====] - 0s 14ms/step
282
283 [log_13]Hour=16, Predicted=1868.264187, Expected=2366.628323
284 1/1 [=====] - 0s 14ms/step
285
286 [log_13]Hour=17, Predicted=2373.004507, Expected=1708.423896
287 1/1 [=====] - 0s 12ms/step
288
289 [log_13]Hour=18, Predicted=1714.541189, Expected=2470.838153
290 1/1 [=====] - 0s 13ms/step
291
292 [log_13]Hour=19, Predicted=2476.966796, Expected=1945.646150
293 1/1 [=====] - 0s 12ms/step
294
295 [log_13]Hour=20, Predicted=1951.750479, Expected=3587.953946
296 1/1 [=====] - 0s 12ms/step
297
298 [log_13]Hour=21, Predicted=3593.894922, Expected=3469.776773
299 1/1 [=====] - 0s 13ms/step
300
301 [log_13]Hour=22, Predicted=3475.984796, Expected=2302.809898
302 1/1 [=====] - 0s 13ms/step
303
304 [log_13]Hour=23, Predicted=2308.977276, Expected=3241.863084
305 1/1 [=====] - 0s 13ms/step
306
307 [log_13]Hour=24, Predicted=3247.662717, Expected=2285.890921
308 1/1 [=====] - 0s 12ms/step
309
310 [log_13]Hour=25, Predicted=2291.819652, Expected=1411.674758
311 1/1 [=====] - 0s 11ms/step
312
313 [log_13]Hour=26, Predicted=1417.580298, Expected=1512.251275
314 1/1 [=====] - 0s 12ms/step
315
316 [log_13]Hour=27, Predicted=1518.215402, Expected=2013.763549
317 1/1 [=====] - 0s 12ms/step
318
319 [log_13]Hour=28, Predicted=2019.782037, Expected=2653.365639
320 1/1 [=====] - 0s 13ms/step
321
322 [log_13]Hour=29, Predicted=2659.441305, Expected=2048.567626
323 1/1 [=====] - 0s 12ms/step
324
325 [log_13]Hour=30, Predicted=2054.664196, Expected=1776.459899
326 1/1 [=====] - 0s 13ms/step
327
328 [log_13]Hour=31, Predicted=1782.562890, Expected=1644.396498
329 1/1 [=====] - 0s 12ms/step
330
331 [log_13]Hour=32, Predicted=1650.532199, Expected=1211.304184
332 1/1 [=====] - 0s 12ms/step
333
334 [log_13]Hour=33, Predicted=1217.441850, Expected=1088.280396
335 1/1 [=====] - 0s 12ms/step
336
337 [log_13]Hour=34, Predicted=1094.427460, Expected=1885.109550
338 1/1 [=====] - 0s 11ms/step
339
340 [log_13]Hour=35, Predicted=1891.265810, Expected=1705.853364
341 1/1 [=====] - 0s 14ms/step
342
343 [log_13]Hour=36, Predicted=1712.017948, Expected=2271.047016
344 1/1 [=====] - 0s 14ms/step
345
346 [log_13]Hour=37, Predicted=2277.211929, Expected=2980.957556
347 1/1 [=====] - 0s 14ms/step
348
349 [log_13]Hour=38, Predicted=2987.116589, Expected=3469.822331
350 1/1 [=====] - 0s 13ms/step
351
352 [log_13]Hour=39, Predicted=3475.983532, Expected=3174.922927
353 1/1 [=====] - 0s 14ms/step
354
355 [log_13]Hour=40, Predicted=3181.086868, Expected=2935.424313
356 1/1 [=====] - 0s 12ms/step
357
358 [log_13]Hour=41, Predicted=2941.600850, Expected=2486.966222
359 1/1 [=====] - 0s 12ms/step
360
361 [log_13]Hour=42, Predicted=2493.138813, Expected=2456.084348
362 1/1 [=====] - 0s 13ms/step
363
364 [log_13]Hour=43, Predicted=2462.262856, Expected=2095.795100
365 1/1 [=====] - 0s 14ms/step
366
367 [log_13]Hour=44, Predicted=2101.977746, Expected=2723.875498
368 1/1 [=====] - 0s 12ms/step
369
370 [log_13]Hour=45, Predicted=2730.044602, Expected=2285.482480
371 1/1 [=====] - 0s 11ms/step
372
373 [log_13]Hour=46, Predicted=2291.652040, Expected=2479.927793
374 1/1 [=====] - 0s 12ms/step
375
376 [log_13]Hour=47, Predicted=2486.099935, Expected=2620.130080
377 1/1 [=====] - 0s 13ms/step
378
379 [log_13]Hour=48, Predicted=2626.297679, Expected=2505.709602
380 1/1 [=====] - 0s 14ms/step
```

```
381 [log_13]Hour=49, Predicted=2511.877493, Expected=2441.352327
382 1/1 [=====] - 0s 12ms/step
384
385 [log_13]Hour=50, Predicted=2447.517719, Expected=3007.338893
386 1/1 [=====] - 0s 14ms/step
387
388 [log_13]Hour=51, Predicted=3013.501620, Expected=2734.126123
389 1/1 [=====] - 0s 13ms/step
390
391 [log_13]Hour=52, Predicted=2740.285277, Expected=2362.885427
392 1/1 [=====] - 0s 13ms/step
393
394 [log_13]Hour=53, Predicted=2369.043340, Expected=2129.329246
395 1/1 [=====] - 0s 11ms/step
396
397 [log_13]Hour=54, Predicted=2135.486026, Expected=2284.168948
398 1/1 [=====] - 0s 12ms/step
399
400 [log_13]Hour=55, Predicted=2290.324578, Expected=1907.106772
401 1/1 [=====] - 0s 15ms/step
402
403 [log_13]Hour=56, Predicted=1913.262321, Expected=2386.939594
404 1/1 [=====] - 0s 12ms/step
405
406 [log_13]Hour=57, Predicted=2393.094892, Expected=2516.816994
407 1/1 [=====] - 0s 13ms/step
408
409 [log_13]Hour=58, Predicted=2522.972110, Expected=2566.019427
410 1/1 [=====] - 0s 12ms/step
411
412 [log_13]Hour=59, Predicted=2572.174262, Expected=2351.812012
413 1/1 [=====] - 0s 12ms/step
414
415 [log_13]Hour=60, Predicted=2357.966967, Expected=2985.511493
416 1/1 [=====] - 0s 11ms/step
417
418 [log_13]Hour=61, Predicted=2991.666683, Expected=2454.550417
419 1/1 [=====] - 0s 13ms/step
420
421 [log_13]Hour=62, Predicted=2460.706053, Expected=2170.911236
422 1/1 [=====] - 0s 13ms/step
423
424 [log_13]Hour=63, Predicted=2177.067020, Expected=2504.692812
425 1/1 [=====] - 0s 13ms/step
426
427 [log_13]Hour=64, Predicted=2510.848539, Expected=3170.932313
428 1/1 [=====] - 0s 13ms/step
429
430 [log_13]Hour=65, Predicted=3177.088482, Expected=2896.596885
431 1/1 [=====] - 0s 12ms/step
432
433 [log_13]Hour=66, Predicted=2902.752850, Expected=2856.427067
434 1/1 [=====] - 0s 11ms/step
435
436 [log_13]Hour=67, Predicted=2862.583143, Expected=2965.030942
437 1/1 [=====] - 0s 11ms/step
438
439 [log_13]Hour=68, Predicted=2971.187530, Expected=2553.840804
440 1/1 [=====] - 0s 13ms/step
441
442 [log_13]Hour=69, Predicted=2559.997509, Expected=2776.365440
443 1/1 [=====] - 0s 15ms/step
444
445 [log_13]Hour=70, Predicted=2782.522350, Expected=2471.070094
446 1/1 [=====] - 0s 13ms/step
447
448 [log_13]Hour=71, Predicted=2477.227236, Expected=2950.886478
449 1/1 [=====] - 0s 12ms/step
450
451 [log_13]Hour=72, Predicted=2957.043706, Expected=2179.033764
452 1/1 [=====] - 0s 12ms/step
453
454 [log_13]Hour=73, Predicted=2185.191083, Expected=1929.595045
455 1/1 [=====] - 0s 16ms/step
456
457 [log_13]Hour=74, Predicted=1935.752468, Expected=2154.567057
458 1/1 [=====] - 0s 13ms/step
459
460 [log_13]Hour=75, Predicted=2160.724588, Expected=2743.720198
461 1/1 [=====] - 0s 13ms/step
462
463 [log_13]Hour=76, Predicted=2749.877762, Expected=2803.507970
464 1/1 [=====] - 0s 13ms/step
465
466 [log_13]Hour=77, Predicted=2809.665574, Expected=2454.260052
467 1/1 [=====] - 0s 14ms/step
468
469 [log_13]Hour=78, Predicted=2460.417663, Expected=1266.544382
470 1/1 [=====] - 0s 12ms/step
471
472 [log_13]Hour=79, Predicted=1272.701962, Expected=1349.485359
473 1/1 [=====] - 0s 11ms/step
474
475 [log_13]Hour=80, Predicted=1355.642916, Expected=1979.156533
476 1/1 [=====] - 0s 12ms/step
477
478 [log_13]Hour=81, Predicted=1985.314060, Expected=2697.981442
479 1/1 [=====] - 0s 13ms/step
480
481 [log_13]Hour=82, Predicted=2704.138946, Expected=3263.367927
482 1/1 [=====] - 0s 13ms/step
483
484 [log_13]Hour=83, Predicted=3269.525401, Expected=3146.717940
485 1/1 [=====] - 0s 14ms/step
486
487 [log_13]Hour=84, Predicted=3152.875386, Expected=3018.130808
488 1/1 [=====] - 0s 12ms/step
489
490 [log_13]Hour=85, Predicted=3024.288218, Expected=3300.665177
491 1/1 [=====] - 0s 14ms/step
492
493 [log_13]Hour=86, Predicted=3306.822566, Expected=2747.927256
494 1/1 [=====] - 0s 14ms/step
495
496 [log_13]Hour=87, Predicted=2754.084622, Expected=2590.529143
497 1/1 [=====] - 0s 16ms/step
498
499 [log_13]Hour=88, Predicted=2596.686476, Expected=3405.170583
500 1/1 [=====] - 0s 15ms/step
501
502 [log_13]Hour=89, Predicted=3411.327915, Expected=2890.745830
503 1/1 [=====] - 0s 15ms/step
504
505 [log_13]Hour=90, Predicted=2896.903150, Expected=3313.214206
506 1/1 [=====] - 0s 13ms/step
507
508 [log_13]Hour=91, Predicted=3319.371509, Expected=3293.081422
509 1/1 [=====] - 0s 12ms/step
510
511 [log_13]Hour=92, Predicted=3299.238718, Expected=2686.400707
512 1/1 [=====] - 0s 12ms/step
513
514 [log_13]Hour=93, Predicted=2692.557989, Expected=2440.180749
515 1/1 [=====] - 0s 14ms/step
516
517 [log_13]Hour=94, Predicted=2446.338025, Expected=2392.476404
518 1/1 [=====] - 0s 19ms/step
519
520 [log_13]Hour=95, Predicted=2398.633673, Expected=2307.224470
521 1/1 [=====] - 0s 16ms/step
522
523 [log_13]Hour=96, Predicted=2313.381746, Expected=2156.175872
524 1/1 [=====] - 0s 15ms/step
525
526 [log_13]Hour=97, Predicted=2162.333145, Expected=2679.977412
527 1/1 [=====] - 0s 16ms/step
528
529 [log_13]Hour=98, Predicted=2686.134684, Expected=2683.768872
530 1/1 [=====] - 0s 16ms/step
531
532 [log_13]Hour=99, Predicted=2689.926151, Expected=2431.991339
533 1/1 [=====] - 0s 14ms/step
534
535 [log_13]Hour=100, Predicted=2438.148621, Expected=3466.443993
536 1/1 [=====] - 0s 14ms/step
537
538 [log_13]Hour=101, Predicted=3472.601272, Expected=3240.717829
539 1/1 [=====] - 0s 14ms/step
540
541 [log_13]Hour=102, Predicted=3246.875111, Expected=3543.608216
542 1/1 [=====] - 0s 13ms/step
543
544 [log_13]Hour=103, Predicted=3549.765505, Expected=3420.477790
545 1/1 [=====] - 0s 13ms/step
546
547 [log_13]Hour=104, Predicted=3426.635086, Expected=2920.005879
548 1/1 [=====] - 0s 12ms/step
549
550 [log_13]Hour=105, Predicted=2926.163179, Expected=3002.842607
551 1/1 [=====] - 0s 13ms/step
552
553 [log_13]Hour=106, Predicted=3008.999906, Expected=3179.675790
554 1/1 [=====] - 0s 14ms/step
555
556 [log_13]Hour=107, Predicted=3185.833093, Expected=3277.733478
557 1/1 [=====] - 0s 14ms/step
558
559 [log_13]Hour=108, Predicted=3283.890780, Expected=2514.701486
560 1/1 [=====] - 0s 13ms/step
561
562 [log_13]Hour=109, Predicted=2520.858789, Expected=2939.830256
563 1/1 [=====] - 0s 12ms/step
564
565 [log_13]Hour=110, Predicted=2945.987559, Expected=3384.858520
566 1/1 [=====] - 0s 12ms/step
567
568 [log_13]Hour=111, Predicted=3391.015826, Expected=3187.676215
569 1/1 [=====] - 0s 14ms/step
570
```

```
571 [log_13]Hour=112, Predicted=3193.833521, Expected=2759.395401
572 1/1 [=====] - 0s 14ms/step
573
574 [log_13]Hour=113, Predicted=2765.552710, Expected=2806.658035
575 1/1 [=====] - 0s 12ms/step
576
577 [log_13]Hour=114, Predicted=2812.815344, Expected=2356.221380
578 1/1 [=====] - 0s 13ms/step
579
580 [log_13]Hour=115, Predicted=2362.378689, Expected=2243.400621
581 1/1 [=====] - 0s 12ms/step
582
583 [log_13]Hour=116, Predicted=2249.557930, Expected=1883.588694
584 1/1 [=====] - 0s 12ms/step
585
586 [log_13]Hour=117, Predicted=1889.746004, Expected=1477.520746
587 1/1 [=====] - 0s 13ms/step
588
589 [log_13]Hour=118, Predicted=1483.678056, Expected=1337.071413
590 1/1 [=====] - 0s 13ms/step
591
592 [log_13]Hour=119, Predicted=1343.228723, Expected=1411.586226
593 1/1 [=====] - 0s 18ms/step
594
595 [log_13]Hour=120, Predicted=1417.743535, Expected=2259.212153
596 1/1 [=====] - 0s 12ms/step
597
598 [log_13]Hour=121, Predicted=2265.369459, Expected=2802.448294
599 1/1 [=====] - 0s 12ms/step
600
601 [log_13]Hour=122, Predicted=2808.605599, Expected=2541.888223
602 1/1 [=====] - 0s 12ms/step
603
604 [log_13]Hour=123, Predicted=2548.046532, Expected=2440.425998
605 1/1 [=====] - 0s 13ms/step
606
607 [log_13]Hour=124, Predicted=2446.583304, Expected=2015.885870
608 1/1 [=====] - 0s 13ms/step
609
610 [log_13]Hour=125, Predicted=2022.043179, Expected=1668.578613
611 1/1 [=====] - 0s 14ms/step
612
613 [log_13]Hour=126, Predicted=1674.735922, Expected=2454.672385
614 1/1 [=====] - 0s 13ms/step
615
616 [log_13]Hour=127, Predicted=2460.829688, Expected=1845.777143
617 1/1 [=====] - 0s 12ms/step
618
619 [log_13]Hour=128, Predicted=1851.934449, Expected=2311.567290
620 1/1 [=====] - 0s 13ms/step
621
622 [log_13]Hour=129, Predicted=2317.724592, Expected=2097.672804
623 1/1 [=====] - 0s 12ms/step
624
625 [log_13]Hour=130, Predicted=2103.830110, Expected=2421.220309
626 1/1 [=====] - 0s 14ms/step
627
628 [log_13]Hour=131, Predicted=2427.377615, Expected=2228.872664
629 1/1 [=====] - 0s 13ms/step
630
631 [log_13]Hour=132, Predicted=2235.0229963, Expected=2203.500330
632 1/1 [=====] - 0s 13ms/step
633
634 [log_13]Hour=133, Predicted=2209.657636, Expected=1689.512893
635 1/1 [=====] - 0s 13ms/step
636
637 [log_13]Hour=134, Predicted=1695.670199, Expected=1518.246634
638 1/1 [=====] - 0s 12ms/step
639
640 [log_13]Hour=135, Predicted=1524.403933, Expected=2210.029902
641 1/1 [=====] - 0s 10ms/step
642
643 [log_13]Hour=136, Predicted=2216.187208, Expected=2001.209047
644 1/1 [=====] - 0s 13ms/step
645
646 [log_13]Hour=137, Predicted=2007.366353, Expected=1908.052649
647 1/1 [=====] - 0s 13ms/step
648
649 [log_13]Hour=138, Predicted=1914.209948, Expected=1691.030538
650 1/1 [=====] - 0s 12ms/step
651
652 [log_13]Hour=139, Predicted=1697.187844, Expected=1865.186531
653 1/1 [=====] - 0s 13ms/step
654
655 [log_13]Hour=140, Predicted=1871.343837, Expected=2110.835313
656 1/1 [=====] - 0s 11ms/step
657
658 [log_13]Hour=141, Predicted=2116.992612, Expected=2081.769554
659 1/1 [=====] - 0s 12ms/step
660
661 [log_13]Hour=142, Predicted=2087.926860, Expected=2301.134108
662 1/1 [=====] - 0s 12ms/step
663
664 [log_13]Hour=143, Predicted=2307.291414, Expected=1976.292032
665 1/1 [=====] - 0s 13ms/step
666
667 [log_13]Hour=144, Predicted=1982.449335, Expected=2596.541416
668 1/1 [=====] - 0s 13ms/step
669
670 [log_13]Hour=145, Predicted=2602.698719, Expected=2192.469413
671 1/1 [=====] - 0s 13ms/step
672
673 [log_13]Hour=146, Predicted=2198.626719, Expected=2856.644995
674 1/1 [=====] - 0s 15ms/step
675
676 [log_13]Hour=147, Predicted=2862.802298, Expected=3350.492384
677 1/1 [=====] - 0s 11ms/step
678
679 [log_13]Hour=148, Predicted=3356.649690, Expected=3278.121125
680 1/1 [=====] - 0s 12ms/step
681
682 [log_13]Hour=149, Predicted=3284.278431, Expected=3151.278731
683 1/1 [=====] - 0s 11ms/step
684
685 [log_13]Hour=150, Predicted=3157.436033, Expected=3255.790569
686 1/1 [=====] - 0s 12ms/step
687
688 [log_13]Hour=151, Predicted=3261.947787, Expected=3007.924280
689 1/1 [=====] - 0s 13ms/step
690
691 [log_13]Hour=152, Predicted=3014.081586, Expected=2943.532434
692 1/1 [=====] - 0s 14ms/step
693
694 [log_13]Hour=153, Predicted=2949.689739, Expected=2521.549118
695 1/1 [=====] - 0s 13ms/step
696
697 [log_13]Hour=154, Predicted=2527.706427, Expected=2095.818959
698 1/1 [=====] - 0s 12ms/step
699
700 [log_13]Hour=155, Predicted=2101.976265, Expected=1238.844870
701 1/1 [=====] - 0s 12ms/step
702
703 [log_13]Hour=156, Predicted=1245.002176, Expected=2436.504152
704 1/1 [=====] - 0s 12ms/step
705
706 [log_13]Hour=157, Predicted=2442.661457, Expected=1829.369330
707 1/1 [=====] - 0s 16ms/step
708
709 [log_13]Hour=158, Predicted=1835.526632, Expected=2808.873842
710 1/1 [=====] - 0s 17ms/step
711
712 [log_13]Hour=159, Predicted=2815.031148, Expected=2443.197451
713 1/1 [=====] - 0s 14ms/step
714
715 [log_13]Hour=160, Predicted=2449.354768, Expected=1807.169085
716 1/1 [=====] - 0s 12ms/step
717
718 [log_13]Hour=161, Predicted=1813.326384, Expected=3128.215862
719 1/1 [=====] - 0s 12ms/step
720
721 [log_13]Hour=162, Predicted=3134.373168, Expected=2663.481637
722 1/1 [=====] - 0s 12ms/step
723
724 [log_13]Hour=163, Predicted=2669.638943, Expected=3013.534684
725 1/1 [=====] - 0s 13ms/step
726
727 [log_13]Hour=164, Predicted=3019.691983, Expected=2699.478367
728 1/1 [=====] - 0s 13ms/step
729
730 [log_13]Hour=165, Predicted=2705.635673, Expected=2512.232043
731 1/1 [=====] - 0s 14ms/step
732
733 [log_13]Hour=166, Predicted=2518.389349, Expected=2132.398669
734 1/1 [=====] - 0s 14ms/step
735
736 [log_13]Hour=167, Predicted=2138.555968, Expected=1498.471175
737 1/1 [=====] - 0s 12ms/step
738
739 [log_13]Hour=168, Predicted=1504.628484, Expected=2072.762765
740 1/1 [=====] - 0s 12ms/step
741
742 [log_13]Hour=169, Predicted=2078.920071, Expected=1555.808022
743 1/1 [=====] - 0s 12ms/step
744
745 [log_13]Hour=170, Predicted=1561.965321, Expected=2304.673182
746 1/1 [=====] - 0s 13ms/step
747
748 [log_13]Hour=171, Predicted=2310.830488, Expected=2914.007032
749 1/1 [=====] - 0s 13ms/step
750
751 [log_13]Hour=172, Predicted=2920.164338, Expected=1802.451426
752 1/1 [=====] - 0s 13ms/step
753
754 [log_13]Hour=173, Predicted=1808.608725, Expected=1521.620131
755 1/1 [=====] - 0s 12ms/step
756
757 [log_13]Hour=174, Predicted=1527.777437, Expected=1906.725720
758 1/1 [=====] - 0s 12ms/step
759
760 [log_13]Hour=175, Predicted=1912.883026, Expected=1160.393592
```

761 1/1 [=====] - 0s 12ms/step
762
763 [log_13]Hour=176, Predicted=1166.550894, Expected=741.645357
764 1/1 [=====] - 0s 12ms/step
765
766 [log_13]Hour=177, Predicted=747.802466, Expected=597.039504
767 1/1 [=====] - 0s 13ms/step
768
769 [log_13]Hour=178, Predicted=603.196810, Expected=1052.286480
770 1/1 [=====] - 0s 13ms/step
771
772 [log_13]Hour=179, Predicted=1058.443782, Expected=2107.757962
773 1/1 [=====] - 0s 14ms/step
774
775 [log_13]Hour=180, Predicted=2113.915271, Expected=925.979849
776 1/1 [=====] - 0s 13ms/step
777
778 [log_13]Hour=181, Predicted=932.137155, Expected=1077.001171
779 1/1 [=====] - 0s 12ms/step
780
781 [log_13]Hour=182, Predicted=1083.158476, Expected=1158.757255
782 1/1 [=====] - 0s 12ms/step
783
784 [log_13]Hour=183, Predicted=1164.914565, Expected=1154.894287
785 1/1 [=====] - 0s 12ms/step
786
787 [log_13]Hour=184, Predicted=1161.051589, Expected=1505.476768
788 1/1 [=====] - 0s 14ms/step
789
790 [log_13]Hour=185, Predicted=1511.634074, Expected=1321.942857
791 1/1 [=====] - 0s 13ms/step
792
793 [log_13]Hour=186, Predicted=1328.100163, Expected=810.663489
794 1/1 [=====] - 0s 13ms/step
795
796 [log_13]Hour=187, Predicted=816.820788, Expected=594.145224
797 1/1 [=====] - 0s 12ms/step
798
799 [log_13]Hour=188, Predicted=600.302533, Expected=1011.257328
800 1/1 [=====] - 0s 12ms/step
801
802 [log_13]Hour=189, Predicted=1017.414634, Expected=701.698457
803 1/1 [=====] - 0s 14ms/step
804
805 [log_13]Hour=190, Predicted=707.855759, Expected=1272.823224
806 1/1 [=====] - 0s 12ms/step
807
808 [log_13]Hour=191, Predicted=1278.980530, Expected=1035.991126
809 1/1 [=====] - 0s 13ms/step
810
811 [log_13]Hour=192, Predicted=1042.148432, Expected=698.052854
812 1/1 [=====] - 0s 14ms/step
813
814 [log_13]Hour=193, Predicted=704.210153, Expected=759.691851
815 1/1 [=====] - 0s 14ms/step
816
817 [log_13]Hour=194, Predicted=765.849160, Expected=740.411867
818 1/1 [=====] - 0s 13ms/step
819
820 [log_13]Hour=195, Predicted=746.569172, Expected=696.865749
821 1/1 [=====] - 0s 12ms/step
822
823 [log_13]Hour=196, Predicted=703.023052, Expected=755.727836
824 1/1 [=====] - 0s 12ms/step
825
826 [log_13]Hour=197, Predicted=761.885145, Expected=711.370290
827 1/1 [=====] - 0s 12ms/step
828
829 [log_13]Hour=198, Predicted=717.527592, Expected=1182.530398
830 1/1 [=====] - 0s 13ms/step
831
832 [log_13]Hour=199, Predicted=1188.687704, Expected=1041.234725
833 1/1 [=====] - 0s 13ms/step
834
835 [log_13]Hour=200, Predicted=1047.392031, Expected=1249.101292
836 1/1 [=====] - 0s 14ms/step
837
838 [log_13]Hour=201, Predicted=1255.258598, Expected=1656.592864
839 1/1 [=====] - 0s 12ms/step
840
841 [log_13]Hour=202, Predicted=1662.750167, Expected=1499.363485
842 1/1 [=====] - 0s 12ms/step
843
844 [log_13]Hour=203, Predicted=1505.520788, Expected=1018.777235
845 1/1 [=====] - 0s 12ms/step
846
847 [log_13]Hour=204, Predicted=1024.934541, Expected=934.422014
848 1/1 [=====] - 0s 13ms/step
849
850 [log_13]Hour=205, Predicted=940.579316, Expected=1045.539018
851 1/1 [=====] - 0s 13ms/step
852
853 [log_13]Hour=206, Predicted=1051.696327, Expected=766.595404
854 1/1 [=====] - 0s 14ms/step
855
856 [log_13]Hour=207, Predicted=772.752710, Expected=810.088489
857 1/1 [=====] - 0s 14ms/step
858
859 [log_13]Hour=208, Predicted=816.245795, Expected=1034.157090
860 1/1 [=====] - 0s 12ms/step
861
862 [log_13]Hour=209, Predicted=1040.314395, Expected=815.391522
863 1/1 [=====] - 0s 11ms/step
864
865 [log_13]Hour=210, Predicted=821.548825, Expected=884.506656
866 1/1 [=====] - 0s 13ms/step
867
868 [log_13]Hour=211, Predicted=890.663962, Expected=709.836549
869 1/1 [=====] - 0s 12ms/step
870
871 [log_13]Hour=212, Predicted=715.993854, Expected=595.325677
872 1/1 [=====] - 0s 12ms/step
873
874 [log_13]Hour=213, Predicted=601.482977, Expected=720.661165
875 1/1 [=====] - 0s 14ms/step
876
877 [log_13]Hour=214, Predicted=726.818474, Expected=656.248576
878 1/1 [=====] - 0s 14ms/step
879
880 [log_13]Hour=215, Predicted=662.405885, Expected=498.506525
881 1/1 [=====] - 0s 11ms/step
882
883 [log_13]Hour=216, Predicted=504.663827, Expected=474.626337
884 1/1 [=====] - 0s 11ms/step
885
886 [log_13]Hour=217, Predicted=480.783643, Expected=397.289459
887 1/1 [=====] - 0s 12ms/step
888
889 [log_13]Hour=218, Predicted=403.446765, Expected=384.470027
890 1/1 [=====] - 0s 12ms/step
891
892 [log_13]Hour=219, Predicted=390.627326, Expected=278.364096
893 1/1 [=====] - 0s 13ms/step
894
895 [log_13]Hour=220, Predicted=284.521405, Expected=446.114395
896 1/1 [=====] - 0s 17ms/step
897
898 [log_13]Hour=221, Predicted=452.271701, Expected=100.383348
899 1/1 [=====] - 0s 14ms/step
900
901 [log_13]Hour=222, Predicted=106.540647, Expected=168.799487
902 1/1 [=====] - 0s 15ms/step
903
904 [log_13]Hour=223, Predicted=174.956793, Expected=227.802359
905 1/1 [=====] - 0s 11ms/step
906
907 [log_13]Hour=224, Predicted=233.959664, Expected=46.151686
908 1/1 [=====] - 0s 12ms/step
909
910 [log_13]Hour=225, Predicted=52.308992, Expected=86.199216
911 1/1 [=====] - 0s 12ms/step
912
913 [log_13]Hour=226, Predicted=92.356518, Expected=208.475198
914 1/1 [=====] - 0s 14ms/step
915
916 [log_13]Hour=227, Predicted=214.632503, Expected=266.157227
917 1/1 [=====] - 0s 12ms/step
918
919 [log_13]Hour=228, Predicted=272.314529, Expected=127.400014
920 1/1 [=====] - 0s 14ms/step
921
922 [log_13]Hour=229, Predicted=133.557320, Expected=477.852120
923 1/1 [=====] - 0s 12ms/step
924
925 [log_13]Hour=230, Predicted=184.009426, Expected=247.814305
926 1/1 [=====] - 0s 12ms/step
927
928 [log_13]Hour=231, Predicted=253.971698, Expected=710.627627
929 1/1 [=====] - 0s 11ms/step
930
931 [log_13]Hour=232, Predicted=716.784936, Expected=660.972501
932 1/1 [=====] - 0s 15ms/step
933
934 [log_13]Hour=233, Predicted=667.129803, Expected=303.932735
935 1/1 [=====] - 0s 13ms/step
936
937 [log_13]Hour=234, Predicted=310.090040, Expected=719.062459
938 1/1 [=====] - 0s 13ms/step
939
940 [log_13]Hour=235, Predicted=725.219765, Expected=490.146742
941 1/1 [=====] - 0s 12ms/step
942
943 [log_13]Hour=236, Predicted=496.304041, Expected=274.252958
944 1/1 [=====] - 0s 12ms/step
945
946 [log_13]Hour=237, Predicted=280.410267, Expected=194.784678
947 1/1 [=====] - 0s 12ms/step
948
949 [log_13]Hour=238, Predicted=200.941984, Expected=403.764000
950 1/1 [=====] - 0s 11ms/step

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951 [log_13]Hour=239, Predicted=409.921302, Expected=126.788167
952 1/1 [=====] - 0s 14ms/step
954
955 [log_13]Hour=240, Predicted=132.945472, Expected=126.351038
956 1/1 [=====] - 0s 13ms/step
957
958 [log_13]Hour=241, Predicted=132.508344, Expected=124.229530
959 1/1 [=====] - 0s 13ms/step
960
961 [log_13]Hour=242, Predicted=130.386832, Expected=126.556187
962 1/1 [=====] - 0s 12ms/step
963
964 [log_13]Hour=243, Predicted=132.713492, Expected=177.237514
965 1/1 [=====] - 0s 13ms/step
966
967 [log_13]Hour=244, Predicted=183.394820, Expected=256.026597
968 1/1 [=====] - 0s 12ms/step
969
970 [log_13]Hour=245, Predicted=262.183900, Expected=104.804699
971 1/1 [=====] - 0s 11ms/step
972
973 [log_13]Hour=246, Predicted=110.962004, Expected=69.543135
974 1/1 [=====] - 0s 13ms/step
975
976 [log_13]Hour=247, Predicted=75.700440, Expected=41.192109
977 1/1 [=====] - 0s 13ms/step
978
979 [log_13]Hour=248, Predicted=47.349414, Expected=185.634816
980 1/1 [=====] - 0s 14ms/step
981
982 [log_13]Hour=249, Predicted=191.792122, Expected=223.731450
983 1/1 [=====] - 0s 12ms/step
984
985 [log_13]Hour=250, Predicted=229.888753, Expected=149.736779
986 1/1 [=====] - 0s 12ms/step
987
988 [log_13]Hour=251, Predicted=155.894082, Expected=136.472465
989 1/1 [=====] - 0s 13ms/step
990
991 [log_13]Hour=252, Predicted=142.629768, Expected=31.777417
992 1/1 [=====] - 0s 12ms/step
993
994 [log_13]Hour=253, Predicted=37.934723, Expected=0.000000
995 1/1 [=====] - 0s 13ms/step
996
997 [log_13]Hour=254, Predicted=6.157302, Expected=22.380377
998 1/1 [=====] - 0s 13ms/step
999
1000 [log_13]Hour=255, Predicted=28.537684, Expected=0.000000
1001 1/1 [=====] - 0s 13ms/step
1002
1003 [log_13]Hour=256, Predicted=6.157306, Expected=0.000000
1004 1/1 [=====] - 0s 13ms/step
1005
1006 [log_13]Hour=257, Predicted=6.157302, Expected=0.000000
1007 1/1 [=====] - 0s 12ms/step
1008
1009 [log_13]Hour=258, Predicted=6.157309, Expected=0.000000
1010 1/1 [=====] - 0s 11ms/step
1011
1012 [log_13]Hour=259, Predicted=6.157306, Expected=16.163020
1013 1/1 [=====] - 0s 11ms/step
1014
1015 [log_13]Hour=260, Predicted=22.320326, Expected=209.363917
1016 1/1 [=====] - 0s 12ms/step
1017
1018 [log_13]Hour=261, Predicted=215.521223, Expected=137.289215
1019 1/1 [=====] - 0s 13ms/step
1020
1021 [log_13]Hour=262, Predicted=143.446517, Expected=18.326157
1022 1/1 [=====] - 0s 13ms/step
1023
1024 [log_13]Hour=263, Predicted=24.483463, Expected=0.000000
1025 1/1 [=====] - 0s 12ms/step
1026
1027 [log_13]Hour=264, Predicted=6.157302, Expected=0.000000
1028 1/1 [=====] - 0s 11ms/step
1029
1030 [log_13]Hour=265, Predicted=6.157302, Expected=0.000000
1031 1/1 [=====] - 0s 12ms/step
1032
1033 [log_13]Hour=266, Predicted=6.157306, Expected=0.000000
1034 1/1 [=====] - 0s 12ms/step
1035
1036 [log_13]Hour=267, Predicted=6.157306, Expected=0.000000
1037 1/1 [=====] - 0s 13ms/step
1038
1039 [log_13]Hour=268, Predicted=6.157302, Expected=0.000000
1040 1/1 [=====] - 0s 13ms/step
1041
1042 [log_13]Hour=269, Predicted=6.157309, Expected=0.000000
1043 1/1 [=====] - 0s 13ms/step
1044
1045 [log_13]Hour=270, Predicted=6.157306, Expected=0.000000
1046 1/1 [=====] - 0s 12ms/step
1047
1048 [log_13]Hour=271, Predicted=6.157302, Expected=0.000000
1049 1/1 [=====] - 0s 12ms/step
1050
1051 [log_13]Hour=272, Predicted=6.157306, Expected=0.000000
1052 1/1 [=====] - 0s 12ms/step
1053
1054 [log_13]Hour=273, Predicted=6.157306, Expected=0.000000
1055 1/1 [=====] - 0s 11ms/step
1056
1057 [log_13]Hour=274, Predicted=6.157306, Expected=0.000000
1058 1/1 [=====] - 0s 13ms/step
1059
1060 [log_13]Hour=275, Predicted=6.157306, Expected=0.000000
1061 1/1 [=====] - 0s 13ms/step
1062
1063 [log_13]Hour=276, Predicted=6.157306, Expected=33.433734
1064 1/1 [=====] - 0s 13ms/step
1065
1066 [log_13]Hour=277, Predicted=39.591037, Expected=71.779362
1067 1/1 [=====] - 0s 13ms/step
1068
1069 [log_13]Hour=278, Predicted=77.936644, Expected=48.328302
1070 1/1 [=====] - 0s 11ms/step
1071
1072 [log_13]Hour=279, Predicted=54.485608, Expected=62.741159
1073 1/1 [=====] - 0s 11ms/step
1074
1075 [log_13]Hour=280, Predicted=68.898462, Expected=75.196456
1076 1/1 [=====] - 0s 15ms/step
1077
1078 [log_13]Hour=281, Predicted=81.353762, Expected=160.454236
1079 1/1 [=====] - 0s 14ms/step
1080
1081 [log_13]Hour=282, Predicted=166.611538, Expected=180.127304
1082 1/1 [=====] - 0s 19ms/step
1083
1084 [log_13]Hour=283, Predicted=186.284610, Expected=142.972285
1085 1/1 [=====] - 0s 15ms/step
1086
1087 [log_13]Hour=284, Predicted=149.129591, Expected=19.704201
1088 1/1 [=====] - 0s 12ms/step
1089
1090 [log_13]Hour=285, Predicted=25.861500, Expected=0.000000
1091 1/1 [=====] - 0s 12ms/step
1092
1093 [log_13]Hour=286, Predicted=6.157309, Expected=0.000000
1094 1/1 [=====] - 0s 12ms/step
1095
1096 [log_13]Hour=287, Predicted=6.157306, Expected=29.326203
1097 1/1 [=====] - 0s 13ms/step
1098
1099 [log_13]Hour=288, Predicted=35.483502, Expected=20.802394
1100 1/1 [=====] - 0s 13ms/step
1101
1102 [log_13]Hour=289, Predicted=26.959703, Expected=0.000000
1103 1/1 [=====] - 0s 15ms/step
1104
1105 [log_13]Hour=290, Predicted=6.157306, Expected=0.000000
1106 1/1 [=====] - 0s 14ms/step
1107
1108 [log_13]Hour=291, Predicted=6.157302, Expected=0.000000
1109 1/1 [=====] - 0s 12ms/step
1110
1111 [log_13]Hour=292, Predicted=6.157309, Expected=0.000000
1112 1/1 [=====] - 0s 12ms/step
1113
1114 [log_13]Hour=293, Predicted=6.157306, Expected=0.000000
1115 1/1 [=====] - 0s 13ms/step
1116
1117 [log_13]Hour=294, Predicted=6.157302, Expected=0.000000
1118 1/1 [=====] - 0s 13ms/step
1119
1120 [log_13]Hour=295, Predicted=6.157309, Expected=0.000000
1121 1/1 [=====] - 0s 13ms/step
1122
1123 [log_13]Hour=296, Predicted=6.157306, Expected=25.717060
1124 1/1 [=====] - 0s 13ms/step
1125
1126 [log_13]Hour=297, Predicted=31.874363, Expected=51.755544
1127 1/1 [=====] - 0s 13ms/step
1128
1129 [log_13]Hour=298, Predicted=57.912846, Expected=62.272501
1130 1/1 [=====] - 0s 13ms/step
1131
1132 [log_13]Hour=299, Predicted=68.429807, Expected=164.033195
1133 1/1 [=====] - 0s 12ms/step
1134
1135 [log_13]Hour=300, Predicted=170.190501, Expected=139.429017
1136 1/1 [=====] - 0s 14ms/step
1137
1138 [log_13]Hour=301, Predicted=145.586323, Expected=126.454635
1139 1/1 [=====] - 0s 12ms/step
1140
```

```
1141 [log_13]Hour=302, Predicted=132.611941, Expected=192.705337
1142 1/1 [=====] - 0s 14ms/step
1143
1144 [log_13]Hour=303, Predicted=198.862639, Expected=239.435515
1145 1/1 [=====] - 0s 11ms/step
1146
1147 [log_13]Hour=304, Predicted=245.592820, Expected=141.174360
1148 1/1 [=====] - 0s 11ms/step
1149
1150 [log_13]Hour=305, Predicted=147.331666, Expected=22.252572
1151 1/1 [=====] - 0s 12ms/step
1152
1153 [log_13]Hour=306, Predicted=28.409877, Expected=67.221617
1154 1/1 [=====] - 0s 12ms/step
1155
1156 [log_13]Hour=307, Predicted=73.378926, Expected=206.701721
1157 1/1 [=====] - 0s 13ms/step
1158
1159 [log_13]Hour=308, Predicted=212.859020, Expected=207.551204
1160 1/1 [=====] - 0s 12ms/step
1161
1162 [log_13]Hour=309, Predicted=213.708510, Expected=99.658617
1163 1/1 [=====] - 0s 13ms/step
1164
1165 [log_13]Hour=310, Predicted=105.815923, Expected=136.112495
1166 1/1 [=====] - 0s 12ms/step
1167
1168 [log_13]Hour=311, Predicted=142.269794, Expected=0.000000
1169 1/1 [=====] - 0s 12ms/step
1170
1171 [log_13]Hour=312, Predicted=6.157306, Expected=0.000000
1172 1/1 [=====] - 0s 12ms/step
1173
1174 [log_13]Hour=313, Predicted=6.157306, Expected=0.000000
1175 1/1 [=====] - 0s 13ms/step
1176
1177 [log_13]Hour=314, Predicted=6.157299, Expected=0.000000
1178 1/1 [=====] - 0s 14ms/step
1179
1180 [log_13]Hour=315, Predicted=6.157306, Expected=0.000000
1181 1/1 [=====] - 0s 13ms/step
1182
1183 [log_13]Hour=316, Predicted=6.157306, Expected=0.000000
1184 1/1 [=====] - 0s 13ms/step
1185
1186 [log_13]Hour=317, Predicted=6.157299, Expected=0.000000
1187 1/1 [=====] - 0s 11ms/step
1188
1189 [log_13]Hour=318, Predicted=6.157309, Expected=56.056234
1190 1/1 [=====] - 0s 12ms/step
1191
1192 [log_13]Hour=319, Predicted=62.213540, Expected=47.921508
1193 1/1 [=====] - 0s 11ms/step
1194
1195 [log_13]Hour=320, Predicted=54.078810, Expected=88.975877
1196 1/1 [=====] - 0s 12ms/step
1197
1198 [log_13]Hour=321, Predicted=87.133187, Expected=227.808563
1199 1/1 [=====] - 0s 13ms/step
1200
1201 [log_13]Hour=322, Predicted=233.965869, Expected=216.293668
1202 1/1 [=====] - 0s 13ms/step
1203
1204 [log_13]Hour=323, Predicted=222.450977, Expected=99.450182
1205 1/1 [=====] - 0s 13ms/step
1206
1207 [log_13]Hour=324, Predicted=105.607484, Expected=0.000000
1208 1/1 [=====] - 0s 14ms/step
1209
1210 [log_13]Hour=325, Predicted=6.157306, Expected=0.000000
1211 1/1 [=====] - 0s 12ms/step
1212
1213 [log_13]Hour=326, Predicted=6.157302, Expected=0.000000
1214 1/1 [=====] - 0s 12ms/step
1215
1216 [log_13]Hour=327, Predicted=6.157302, Expected=0.000000
1217 1/1 [=====] - 0s 12ms/step
1218
1219 [log_13]Hour=328, Predicted=6.157306, Expected=0.000000
1220 1/1 [=====] - 0s 13ms/step
1221
1222 [log_13]Hour=329, Predicted=6.157302, Expected=0.000000
1223 1/1 [=====] - 0s 14ms/step
1224
1225 [log_13]Hour=330, Predicted=6.157309, Expected=0.000000
1226 1/1 [=====] - 0s 13ms/step
1227
1228 [log_13]Hour=331, Predicted=6.157306, Expected=0.000000
1229 1/1 [=====] - 0s 12ms/step
1230
1231 [log_13]Hour=332, Predicted=6.157306, Expected=0.000000
1232 1/1 [=====] - 0s 12ms/step
1233
1234 [log_13]Hour=333, Predicted=6.157304, Expected=39.921123
1235 1/1 [=====] - 0s 12ms/step
1236
1237 [log_13]Hour=334, Predicted=46.078425, Expected=23.053693
1238 1/1 [=====] - 0s 13ms/step
1239
1240 [log_13]Hour=335, Predicted=29.210999, Expected=0.000000
1241 1/1 [=====] - 0s 14ms/step
1242
1243 [log_13]Hour=336, Predicted=6.157309, Expected=0.000000
1244 1/1 [=====] - 0s 14ms/step
1245
1246 [log_13]Hour=337, Predicted=6.157302, Expected=0.000000
1247 1/1 [=====] - 0s 14ms/step
1248
1249 [log_13]Hour=338, Predicted=6.157306, Expected=0.000000
1250 1/1 [=====] - 0s 12ms/step
1251
1252 [log_13]Hour=339, Predicted=6.157309, Expected=19.084863
1253 1/1 [=====] - 0s 12ms/step
1254
1255 [log_13]Hour=340, Predicted=25.242162, Expected=22.032280
1256 1/1 [=====] - 0s 13ms/step
1257
1258 [log_13]Hour=341, Predicted=28.189586, Expected=21.340310
1259 1/1 [=====] - 0s 12ms/step
1260
1261 [log_13]Hour=342, Predicted=27.497616, Expected=55.011625
1262 1/1 [=====] - 0s 14ms/step
1263
1264 [log_13]Hour=343, Predicted=61.168924, Expected=34.587951
1265 1/1 [=====] - 0s 13ms/step
1266
1267 [log_13]Hour=344, Predicted=40.745260, Expected=0.000000
1268 1/1 [=====] - 0s 13ms/step
1269
1270 [log_13]Hour=345, Predicted=6.157306, Expected=121.154071
1271 1/1 [=====] - 0s 11ms/step
1272
1273 [log_13]Hour=346, Predicted=127.311377, Expected=23.266966
1274 1/1 [=====] - 0s 12ms/step
1275
1276 [log_13]Hour=347, Predicted=29.424272, Expected=0.000000
1277 1/1 [=====] - 0s 11ms/step
1278
1279 [log_13]Hour=348, Predicted=6.157302, Expected=70.907908
1280 1/1 [=====] - 0s 12ms/step
1281
1282 [log_13]Hour=349, Predicted=77.065213, Expected=51.203403
1283 1/1 [=====] - 0s 14ms/step
1284
1285 [log_13]Hour=350, Predicted=57.360705, Expected=159.627718
1286 1/1 [=====] - 0s 13ms/step
1287
1288 [log_13]Hour=351, Predicted=165.785020, Expected=26.836768
1289 1/1 [=====] - 0s 14ms/step
1290
1291 [log_13]Hour=352, Predicted=32.994074, Expected=0.000000
1292 1/1 [=====] - 0s 12ms/step
1293
1294 [log_13]Hour=353, Predicted=6.157309, Expected=80.336221
1295 1/1 [=====] - 0s 12ms/step
1296
1297 [log_13]Hour=354, Predicted=86.493524, Expected=129.469307
1298 1/1 [=====] - 0s 13ms/step
1299
1300 [log_13]Hour=355, Predicted=135.626613, Expected=233.108404
1301 1/1 [=====] - 0s 13ms/step
1302
1303 [log_13]Hour=356, Predicted=239.265710, Expected=62.276131
1304 1/1 [=====] - 0s 13ms/step
1305
1306 [log_13]Hour=357, Predicted=68.433430, Expected=48.827979
1307 1/1 [=====] - 0s 13ms/step
1308
1309 [log_13]Hour=358, Predicted=54.985285, Expected=35.378810
1310 1/1 [=====] - 0s 11ms/step
1311
1312 [log_13]Hour=359, Predicted=41.536116, Expected=32.596051
1313 1/1 [=====] - 0s 13ms/step
1314
1315 [log_13]Hour=360, Predicted=38.75354, Expected=58.644170
1316 1/1 [=====] - 0s 13ms/step
1317
1318 [log_13]Hour=361, Predicted=64.801476, Expected=16.785784
1319 1/1 [=====] - 0s 12ms/step
1320
1321 [log_13]Hour=362, Predicted=22.943093, Expected=0.000000
1322 1/1 [=====] - 0s 13ms/step
1323
1324 [log_13]Hour=363, Predicted=6.157306, Expected=0.000000
1325 1/1 [=====] - 0s 15ms/step
1326
1327 [log_13]Hour=364, Predicted=6.157302, Expected=0.000000
1328 1/1 [=====] - 0s 13ms/step
1329
1330 [log_13]Hour=365, Predicted=6.157306, Expected=0.000000
```

```
1331 1/1 [=====] - 0s 12ms/step
1332
1333 [log_13]Hour=366, Predicted=6.157302, Expected=211.653913
1334 1/1 [=====] - 0s 12ms/step
1335
1336 [log_13]Hour=367, Predicted=217.811219, Expected=297.218514
1337 1/1 [=====] - 0s 12ms/step
1338
1339 [log_13]Hour=368, Predicted=303.375820, Expected=195.317569
1340 1/1 [=====] - 0s 12ms/step
1341
1342 [log_13]Hour=369, Predicted=201.474871, Expected=653.180517
1343 1/1 [=====] - 0s 13ms/step
1344
1345 [log_13]Hour=370, Predicted=659.337827, Expected=533.864330
1346 1/1 [=====] - 0s 13ms/step
1347
1348 [log_13]Hour=371, Predicted=540.021636, Expected=229.219096
1349 1/1 [=====] - 0s 14ms/step
1350
1351 [log_13]Hour=372, Predicted=235.376402, Expected=203.423587
1352 1/1 [=====] - 0s 11ms/step
1353
1354 [log_13]Hour=373, Predicted=209.580893, Expected=485.749620
1355 1/1 [=====] - 0s 11ms/step
1356
1357 [log_13]Hour=374, Predicted=491.906922, Expected=685.950599
1358 1/1 [=====] - 0s 12ms/step
1359
1360 [log_13]Hour=375, Predicted=692.107905, Expected=997.855913
1361 1/1 [=====] - 0s 13ms/step
1362
1363 [log_13]Hour=376, Predicted=1004.013222, Expected=600.419305
1364 1/1 [=====] - 0s 13ms/step
1365
1366 [log_13]Hour=377, Predicted=606.576608, Expected=652.626498
1367 1/1 [=====] - 0s 12ms/step
1368
1369 [log_13]Hour=378, Predicted=658.783804, Expected=187.719215
1370 1/1 [=====] - 0s 13ms/step
1371
1372 [log_13]Hour=379, Predicted=193.876524, Expected=141.591661
1373 1/1 [=====] - 0s 12ms/step
1374
1375 [log_13]Hour=380, Predicted=147.748960, Expected=152.777090
1376 1/1 [=====] - 0s 11ms/step
1377
1378 [log_13]Hour=381, Predicted=158.934399, Expected=151.623178
1379 1/1 [=====] - 0s 13ms/step
1380
1381 [log_13]Hour=382, Predicted=157.780484, Expected=62.931464
1382 1/1 [=====] - 0s 11ms/step
1383
1384 [log_13]Hour=383, Predicted=69.088763, Expected=127.740548
1385 1/1 [=====] - 0s 13ms/step
1386
1387 [log_13]Hour=384, Predicted=133.897854, Expected=185.357053
1388 1/1 [=====] - 0s 14ms/step
1389
1390 [log_13]Hour=385, Predicted=191.514358, Expected=109.123626
1391 1/1 [=====] - 0s 14ms/step
1392
1393 [log_13]Hour=386, Predicted=115.280932, Expected=36.868181
1394 1/1 [=====] - 0s 12ms/step
1395
1396 [log_13]Hour=387, Predicted=43.025484, Expected=55.242179
1397 1/1 [=====] - 0s 12ms/step
1398
1399 [log_13]Hour=388, Predicted=61.399484, Expected=82.235338
1400 1/1 [=====] - 0s 10ms/step
1401
1402 [log_13]Hour=389, Predicted=88.392641, Expected=173.258164
1403 1/1 [=====] - 0s 12ms/step
1404
1405 [log_13]Hour=390, Predicted=179.415470, Expected=435.282980
1406 1/1 [=====] - 0s 13ms/step
1407
1408 [log_13]Hour=391, Predicted=441.440286, Expected=271.962632
1409 1/1 [=====] - 0s 14ms/step
1410
1411 [log_13]Hour=392, Predicted=278.119934, Expected=422.335354
1412 1/1 [=====] - 0s 12ms/step
1413
1414 [log_13]Hour=393, Predicted=428.492663, Expected=370.105828
1415 1/1 [=====] - 0s 12ms/step
1416
1417 [log_13]Hour=394, Predicted=376.263134, Expected=143.670669
1418 1/1 [=====] - 0s 12ms/step
1419
1420 [log_13]Hour=395, Predicted=149.827975, Expected=187.244605
1421 1/1 [=====] - 0s 12ms/step
1422
1423 [log_13]Hour=396, Predicted=193.401914, Expected=64.917083
1424 1/1 [=====] - 0s 13ms/step
1425
1426 [log_13]Hour=397, Predicted=71.074389, Expected=187.870575
1427 1/1 [=====] - 0s 13ms/step
1428
1429 [log_13]Hour=398, Predicted=194.027874, Expected=201.007355
1430 1/1 [=====] - 0s 14ms/step
1431
1432 [log_13]Hour=399, Predicted=207.164661, Expected=184.030788
1433 1/1 [=====] - 0s 12ms/step
1434
1435 [log_13]Hour=400, Predicted=190.188094, Expected=79.627599
1436 1/1 [=====] - 0s 11ms/step
1437
1438 [log_13]Hour=401, Predicted=85.784901, Expected=123.053612
1439 1/1 [=====] - 0s 12ms/step
1440
1441 [log_13]Hour=402, Predicted=129.210921, Expected=117.692995
1442 1/1 [=====] - 0s 12ms/step
1443
1444 [log_13]Hour=403, Predicted=123.850301, Expected=25.324509
1445 1/1 [=====] - 0s 13ms/step
1446
1447 [log_13]Hour=404, Predicted=31.481815, Expected=56.182806
1448 1/1 [=====] - 0s 13ms/step
1449
1450 [log_13]Hour=405, Predicted=62.340112, Expected=24.181788
1451 1/1 [=====] - 0s 13ms/step
1452
1453 [log_13]Hour=406, Predicted=30.339090, Expected=32.571068
1454 1/1 [=====] - 0s 16ms/step
1455
1456 [log_13]Hour=407, Predicted=38.728373, Expected=105.243480
1457 1/1 [=====] - 0s 11ms/step
1458
1459 [log_13]Hour=408, Predicted=111.400786, Expected=98.601678
1460 1/1 [=====] - 0s 12ms/step
1461
1462 [log_13]Hour=409, Predicted=104.758981, Expected=0.000000
1463 1/1 [=====] - 0s 14ms/step
1464
1465 [log_13]Hour=410, Predicted=6.157306, Expected=0.000000
1466 1/1 [=====] - 0s 15ms/step
1467
1468 [log_13]Hour=411, Predicted=6.157309, Expected=0.000000
1469 1/1 [=====] - 0s 13ms/step
1470
1471 [log_13]Hour=412, Predicted=6.157299, Expected=0.000000
1472 1/1 [=====] - 0s 13ms/step
1473
1474 [log_13]Hour=413, Predicted=6.157309, Expected=0.000000
1475 1/1 [=====] - 0s 13ms/step
1476
1477 [log_13]Hour=414, Predicted=6.157306, Expected=40.740026
1478 1/1 [=====] - 0s 13ms/step
1479
1480 [log_13]Hour=415, Predicted=46.897325, Expected=0.000000
1481 1/1 [=====] - 0s 12ms/step
1482
1483 [log_13]Hour=416, Predicted=6.157306, Expected=0.000000
1484 1/1 [=====] - 0s 12ms/step
1485
1486 [log_13]Hour=417, Predicted=6.157304, Expected=0.000000
1487 1/1 [=====] - 0s 12ms/step
1488
1489 [log_13]Hour=418, Predicted=6.157299, Expected=20.052562
1490 1/1 [=====] - 0s 13ms/step
1491
1492 [log_13]Hour=419, Predicted=26.209868, Expected=23.471787
1493 1/1 [=====] - 0s 13ms/step
1494
1495 [log_13]Hour=420, Predicted=29.629092, Expected=0.000000
1496 1/1 [=====] - 0s 12ms/step
1497
1498 [log_13]Hour=421, Predicted=6.157299, Expected=0.000000
1499 1/1 [=====] - 0s 12ms/step
1500
1501 [log_13]Hour=422, Predicted=6.157309, Expected=0.000000
1502 1/1 [=====] - 0s 11ms/step
1503
1504 [log_13]Hour=423, Predicted=6.157309, Expected=0.000000
1505 1/1 [=====] - 0s 12ms/step
1506
1507 [log_13]Hour=424, Predicted=6.157302, Expected=0.000000
1508 1/1 [=====] - 0s 12ms/step
1509
1510 [log_13]Hour=425, Predicted=6.157309, Expected=0.000000
1511 1/1 [=====] - 0s 13ms/step
1512
1513 [log_13]Hour=426, Predicted=6.157302, Expected=0.000000
1514 1/1 [=====] - 0s 12ms/step
1515
1516 [log_13]Hour=427, Predicted=6.157306, Expected=0.000000
1517 1/1 [=====] - 0s 11ms/step
1518
1519 [log_13]Hour=428, Predicted=6.157306, Expected=0.000000
1520 1/1 [=====] - 0s 12ms/step
```

1521 [log_13]Hour=429, Predicted=6.157299, Expected=0.000000
1522 1/1 [=====] - 0s 11ms/step
1524
1525 [log_13]Hour=430, Predicted=6.157309, Expected=0.000000
1526 1/1 [=====] - 0s 12ms/step
1527
1528 [log_13]Hour=431, Predicted=6.157306, Expected=0.000000
1529 1/1 [=====] - 0s 13ms/step
1530
1531 [log_13]Hour=432, Predicted=6.157302, Expected=0.000000
1532 1/1 [=====] - 0s 13ms/step
1533
1534 [log_13]Hour=433, Predicted=6.157306, Expected=0.000000
1535 1/1 [=====] - 0s 13ms/step
1536
1537 [log_13]Hour=434, Predicted=6.157306, Expected=68.305260
1538 1/1 [=====] - 0s 12ms/step
1539
1540 [log_13]Hour=435, Predicted=74.462559, Expected=93.468574
1541 1/1 [=====] - 0s 11ms/step
1542
1543 [log_13]Hour=436, Predicted=99.625883, Expected=35.524127
1544 1/1 [=====] - 0s 12ms/step
1545
1546 [log_13]Hour=437, Predicted=41.681432, Expected=293.948214
1547 1/1 [=====] - 0s 12ms/step
1548
1549 [log_13]Hour=438, Predicted=300.105513, Expected=64.614952
1550 1/1 [=====] - 0s 13ms/step
1551
1552 [log_13]Hour=439, Predicted=70.772258, Expected=0.000000
1553 1/1 [=====] - 0s 12ms/step
1554
1555 [log_13]Hour=440, Predicted=6.157306, Expected=0.000000
1556 1/1 [=====] - 0s 13ms/step
1557
1558 [log_13]Hour=441, Predicted=6.157302, Expected=31.977130
1559 1/1 [=====] - 0s 12ms/step
1560
1561 [log_13]Hour=442, Predicted=38.134436, Expected=72.214414
1562 1/1 [=====] - 0s 13ms/step
1563
1564 [log_13]Hour=443, Predicted=78.371720, Expected=0.000000
1565 1/1 [=====] - 0s 12ms/step
1566
1567 [log_13]Hour=444, Predicted=6.157299, Expected=27.412296
1568 1/1 [=====] - 0s 12ms/step
1569
1570 [log_13]Hour=445, Predicted=33.569602, Expected=46.566093
1571 1/1 [=====] - 0s 14ms/step
1572
1573 [log_13]Hour=446, Predicted=52.723399, Expected=38.665747
1574 1/1 [=====] - 0s 14ms/step
1575
1576 [log_13]Hour=447, Predicted=44.823846, Expected=25.751879
1577 1/1 [=====] - 0s 13ms/step
1578
1579 [log_13]Hour=448, Predicted=31.909185, Expected=0.000000
1580 1/1 [=====] - 0s 12ms/step
1581
1582 [log_13]Hour=449, Predicted=6.157306, Expected=0.000000
1583 1/1 [=====] - 0s 14ms/step
1584
1585 [log_13]Hour=450, Predicted=6.157302, Expected=16.445081
1586 1/1 [=====] - 0s 12ms/step
1587
1588 [log_13]Hour=451, Predicted=22.602390, Expected=37.800993
1589 1/1 [=====] - 0s 13ms/step
1590
1591 [log_13]Hour=452, Predicted=43.958299, Expected=42.327122
1592 1/1 [=====] - 0s 13ms/step
1593
1594 [log_13]Hour=453, Predicted=48.404427, Expected=29.258498
1595 1/1 [=====] - 0s 14ms/step
1596
1597 [log_13]Hour=454, Predicted=35.415804, Expected=0.000000
1598 1/1 [=====] - 0s 12ms/step
1599
1600 [log_13]Hour=455, Predicted=6.157306, Expected=0.000000
1601 1/1 [=====] - 0s 11ms/step
1602
1603 [log_13]Hour=456, Predicted=6.157306, Expected=0.000000
1604 1/1 [=====] - 0s 12ms/step
1605
1606 [log_13]Hour=457, Predicted=6.157309, Expected=0.000000
1607 1/1 [=====] - 0s 12ms/step
1608
1609 [log_13]Hour=458, Predicted=6.157302, Expected=42.462295
1610 1/1 [=====] - 0s 12ms/step
1611
1612 [log_13]Hour=459, Predicted=48.619601, Expected=41.811586
1613 1/1 [=====] - 0s 13ms/step
1614
1615 [log_13]Hour=460, Predicted=47.968891, Expected=22.556195
1616 1/1 [=====] - 0s 12ms/step
1617
1618 [log_13]Hour=461, Predicted=28.713494, Expected=20.329752
1619 1/1 [=====] - 0s 13ms/step
1620
1621 [log_13]Hour=462, Predicted=26.487061, Expected=0.000000
1622 1/1 [=====] - 0s 12ms/step
1623
1624 [log_13]Hour=463, Predicted=6.157306, Expected=18.533835
1625 1/1 [=====] - 0s 12ms/step
1626
1627 [log_13]Hour=464, Predicted=24.691138, Expected=73.040744
1628 1/1 [=====] - 0s 13ms/step
1629
1630 [log_13]Hour=465, Predicted=79.198050, Expected=43.842654
1631 1/1 [=====] - 0s 11ms/step
1632
1633 [log_13]Hour=466, Predicted=49.999960, Expected=74.178869
1634 1/1 [=====] - 0s 13ms/step
1635
1636 [log_13]Hour=467, Predicted=80.336168, Expected=18.403596
1637 1/1 [=====] - 0s 13ms/step
1638
1639 [log_13]Hour=468, Predicted=24.560906, Expected=21.042768
1640 1/1 [=====] - 0s 14ms/step
1641
1642 [log_13]Hour=469, Predicted=27.200074, Expected=87.109438
1643 1/1 [=====] - 0s 11ms/step
1644
1645 [log_13]Hour=470, Predicted=93.266737, Expected=65.685325
1646 1/1 [=====] - 0s 11ms/step
1647
1648 [log_13]Hour=471, Predicted=71.842631, Expected=57.669769
1649 1/1 [=====] - 0s 11ms/step
1650
1651 [log_13]Hour=472, Predicted=63.827075, Expected=33.463909
1652 1/1 [=====] - 0s 11ms/step
1653
1654 [log_13]Hour=473, Predicted=39.621215, Expected=22.878532
1655 1/1 [=====] - 0s 14ms/step
1656
1657 [log_13]Hour=474, Predicted=29.035841, Expected=55.971676
1658 1/1 [=====] - 0s 13ms/step
1659
1660 [log_13]Hour=475, Predicted=62.128981, Expected=120.863388
1661 1/1 [=====] - 0s 14ms/step
1662
1663 [log_13]Hour=476, Predicted=127.020891, Expected=84.183055
1664 1/1 [=====] - 0s 12ms/step
1665
1666 [log_13]Hour=477, Predicted=90.340357, Expected=34.667256
1667 1/1 [=====] - 0s 12ms/step
1668
1669 [log_13]Hour=478, Predicted=40.824562, Expected=19.277590
1670 1/1 [=====] - 0s 10ms/step
1671
1672 [log_13]Hour=479, Predicted=25.434892, Expected=66.324557
1673 1/1 [=====] - 0s 12ms/step
1674
1675 [log_13]Hour=480, Predicted=72.481866, Expected=74.693847
1676 1/1 [=====] - 0s 12ms/step
1677
1678 [log_13]Hour=481, Predicted=80.851150, Expected=72.321338
1679 1/1 [=====] - 0s 13ms/step
1680
1681 [log_13]Hour=482, Predicted=78.478644, Expected=63.858789
1682 1/1 [=====] - 0s 13ms/step
1683
1684 [log_13]Hour=483, Predicted=70.016095, Expected=100.209648
1685 1/1 [=====] - 0s 13ms/step
1686
1687 [log_13]Hour=484, Predicted=106.366947, Expected=56.202585
1688 1/1 [=====] - 0s 12ms/step
1689
1689 [log_13]Hour=485, Predicted=62.359894, Expected=35.158513
1691 1/1 [=====] - 0s 12ms/step
1692
1693 [log_13]Hour=486, Predicted=41.315818, Expected=0.000000
1694 1/1 [=====] - 0s 12ms/step
1695
1696 [log_13]Hour=487, Predicted=6.157302, Expected=0.000000
1697 1/1 [=====] - 0s 13ms/step
1698
1699 [log_13]Hour=488, Predicted=6.157306, Expected=0.000000
1700 1/1 [=====] - 0s 13ms/step
1701
1702 [log_13]Hour=489, Predicted=6.157306, Expected=0.000000
1703 1/1 [=====] - 0s 14ms/step
1704
1705 [log_13]Hour=490, Predicted=6.157302, Expected=0.000000
1706 1/1 [=====] - 0s 14ms/step
1707
1708 [log_13]Hour=491, Predicted=6.157306, Expected=0.000000
1709 1/1 [=====] - 0s 12ms/step
1710

1711 [log_13]Hour=492, Predicted=6.157306, Expected=0.000000
1712 1/1 [=====] - 0s 12ms/step
1713
1714 [log_13]Hour=493, Predicted=6.157299, Expected=0.000000
1715 1/1 [=====] - 0s 12ms/step
1716
1717 [log_13]Hour=494, Predicted=6.157309, Expected=0.000000
1718 1/1 [=====] - 0s 14ms/step
1719
1720 [log_13]Hour=495, Predicted=6.157306, Expected=0.000000
1721 1/1 [=====] - 0s 13ms/step
1722
1723 [log_13]Hour=496, Predicted=6.157302, Expected=0.000000
1724 1/1 [=====] - 0s 14ms/step
1725
1726 [log_13]Hour=497, Predicted=6.157309, Expected=0.000000
1727 1/1 [=====] - 0s 12ms/step
1728
1729 [log_13]Hour=498, Predicted=6.157306, Expected=0.000000
1730 1/1 [=====] - 0s 12ms/step
1731
1732 [log_13]Hour=499, Predicted=6.157306, Expected=0.000000
1733 1/1 [=====] - 0s 13ms/step
1734
1735 [log_13]Hour=500, Predicted=6.157302, Expected=0.000000
1736 1/1 [=====] - 0s 13ms/step
1737
1738 [log_13]Hour=501, Predicted=6.157306, Expected=0.000000
1739 1/1 [=====] - 0s 13ms/step
1740
1741 [log_13]Hour=502, Predicted=6.157302, Expected=0.000000
1742 1/1 [=====] - 0s 14ms/step
1743
1744 [log_13]Hour=503, Predicted=6.157306, Expected=0.000000
1745 1/1 [=====] - 0s 13ms/step
1746
1747 [log_13]Hour=504, Predicted=6.157306, Expected=0.000000
1748 1/1 [=====] - 0s 12ms/step
1749
1750 [log_13]Hour=505, Predicted=6.157302, Expected=0.000000
1751 1/1 [=====] - 0s 12ms/step
1752
1753 [log_13]Hour=506, Predicted=6.157309, Expected=0.000000
1754 1/1 [=====] - 0s 12ms/step
1755
1756 [log_13]Hour=507, Predicted=6.157302, Expected=0.000000
1757 1/1 [=====] - 0s 12ms/step
1758
1759 [log_13]Hour=508, Predicted=6.157309, Expected=0.000000
1760 1/1 [=====] - 0s 14ms/step
1761
1762 [log_13]Hour=509, Predicted=6.157306, Expected=0.000000
1763 1/1 [=====] - 0s 13ms/step
1764
1765 [log_13]Hour=510, Predicted=6.157302, Expected=0.000000
1766 1/1 [=====] - 0s 16ms/step
1767
1768 [log_13]Hour=511, Predicted=6.157306, Expected=0.000000
1769 1/1 [=====] - 0s 12ms/step
1770
1771 [log_13]Hour=512, Predicted=6.157306, Expected=0.000000
1772 1/1 [=====] - 0s 11ms/step
1773
1774 [log_13]Hour=513, Predicted=6.157299, Expected=0.000000
1775 1/1 [=====] - 0s 12ms/step
1776
1777 [log_13]Hour=514, Predicted=6.157306, Expected=0.000000
1778 1/1 [=====] - 0s 12ms/step
1779
1780 [log_13]Hour=515, Predicted=6.157309, Expected=0.000000
1781 1/1 [=====] - 0s 15ms/step
1782
1783 [log_13]Hour=516, Predicted=6.157299, Expected=0.000000
1784 1/1 [=====] - 0s 13ms/step
1785
1786 [log_13]Hour=517, Predicted=6.157306, Expected=0.000000
1787 1/1 [=====] - 0s 13ms/step
1788
1789 [log_13]Hour=518, Predicted=6.157306, Expected=0.000000
1790 1/1 [=====] - 0s 13ms/step
1791
1792 [log_13]Hour=519, Predicted=6.157299, Expected=0.000000
1793 1/1 [=====] - 0s 13ms/step
1794
1795 [log_13]Hour=520, Predicted=6.157306, Expected=24.612145
1796 1/1 [=====] - 0s 11ms/step
1797
1798 [log_13]Hour=521, Predicted=30.769451, Expected=0.000000
1799 1/1 [=====] - 0s 11ms/step
1800
1801 [log_13]Hour=522, Predicted=6.157306, Expected=0.000000
1802 1/1 [=====] - 0s 14ms/step
1803
1804 [log_13]Hour=523, Predicted=6.157304, Expected=0.000000
1805 1/1 [=====] - 0s 14ms/step
1806
1807 [log_13]Hour=524, Predicted=6.157306, Expected=34.240483
1808 1/1 [=====] - 0s 13ms/step
1809
1810 [log_13]Hour=525, Predicted=40.397789, Expected=80.618033
1811 1/1 [=====] - 0s 11ms/step
1812
1813 [log_13]Hour=526, Predicted=86.775336, Expected=214.571574
1814 1/1 [=====] - 0s 13ms/step
1815
1816 [log_13]Hour=527, Predicted=220.728876, Expected=121.132274
1817 1/1 [=====] - 0s 12ms/step
1818
1819 [log_13]Hour=528, Predicted=127.289580, Expected=206.185144
1820 1/1 [=====] - 0s 14ms/step
1821
1822 [log_13]Hour=529, Predicted=212.342453, Expected=270.022955
1823 1/1 [=====] - 0s 14ms/step
1824
1825 [log_13]Hour=530, Predicted=276.180257, Expected=237.459830
1826 1/1 [=====] - 0s 15ms/step
1827
1828 [log_13]Hour=531, Predicted=243.617136, Expected=241.980851
1829 1/1 [=====] - 0s 14ms/step
1830
1831 [log_13]Hour=532, Predicted=248.138157, Expected=264.857916
1832 1/1 [=====] - 0s 11ms/step
1833
1834 [log_13]Hour=533, Predicted=271.015215, Expected=196.703853
1835 1/1 [=====] - 0s 12ms/step
1836
1837 [log_13]Hour=534, Predicted=202.861162, Expected=158.571730
1838 1/1 [=====] - 0s 12ms/step
1839
1840 [log_13]Hour=535, Predicted=164.729036, Expected=310.891669
1841 1/1 [=====] - 0s 12ms/step
1842
1843 [log_13]Hour=536, Predicted=317.048971, Expected=521.803589
1844 1/1 [=====] - 0s 13ms/step
1845
1846 [log_13]Hour=537, Predicted=527.960894, Expected=558.536904
1847 1/1 [=====] - 0s 14ms/step
1848
1849 [log_13]Hour=538, Predicted=564.694213, Expected=646.730423
1850 1/1 [=====] - 0s 14ms/step
1851
1852 [log_13]Hour=539, Predicted=652.887729, Expected=770.093826
1853 1/1 [=====] - 0s 12ms/step
1854
1855 [log_13]Hour=540, Predicted=776.251129, Expected=785.497989
1856 1/1 [=====] - 0s 11ms/step
1857
1858 [log_13]Hour=541, Predicted=791.655294, Expected=751.724241
1859 1/1 [=====] - 0s 12ms/step
1860
1861 [log_13]Hour=542, Predicted=757.881544, Expected=599.388503
1862 1/1 [=====] - 0s 11ms/step
1863
1864 [log_13]Hour=543, Predicted=605.545809, Expected=662.711645
1865 1/1 [=====] - 0s 13ms/step
1866
1867 [log_13]Hour=544, Predicted=668.8680951, Expected=700.847603
1868 1/1 [=====] - 0s 12ms/step
1869
1870 [log_13]Hour=545, Predicted=707.004905, Expected=698.488641
1871 1/1 [=====] - 0s 13ms/step
1872
1873 [log_13]Hour=546, Predicted=704.645947, Expected=639.617455
1874 1/1 [=====] - 0s 11ms/step
1875
1876 [log_13]Hour=547, Predicted=645.774757, Expected=669.666116
1877 1/1 [=====] - 0s 11ms/step
1878
1879 [log_13]Hour=548, Predicted=675.823422, Expected=824.155597
1880 1/1 [=====] - 0s 11ms/step
1881
1882 [log_13]Hour=549, Predicted=830.312902, Expected=944.413952
1883 1/1 [=====] - 0s 12ms/step
1884
1885 [log_13]Hour=550, Predicted=950.571251, Expected=871.160124
1886 1/1 [=====] - 0s 12ms/step
1887
1888 [log_13]Hour=551, Predicted=877.317433, Expected=751.396327
1889 1/1 [=====] - 0s 12ms/step
1890
1891 [log_13]Hour=552, Predicted=757.553633, Expected=662.654530
1892 1/1 [=====] - 0s 13ms/step
1893
1894 [log_13]Hour=553, Predicted=668.811832, Expected=694.337299
1895 1/1 [=====] - 0s 13ms/step
1896
1897 [log_13]Hour=554, Predicted=700.494605, Expected=975.104019
1898 1/1 [=====] - 0s 12ms/step
1899
1900 [log_13]Hour=555, Predicted=981.261325, Expected=948.634236

1981 1/1 [=====] - 0s 11ms/step
1982
1983 [log_13]Hour=556, Predicted=954.791536, Expected=742.110533
1984 1/1 [=====] - 0s 12ms/step
1985
1986 [log_13]Hour=557, Predicted=748.267842, Expected=593.137412
1987 1/1 [=====] - 0s 13ms/step
1988
1989 [log_13]Hour=558, Predicted=599.294718, Expected=452.311322
1990 1/1 [=====] - 0s 12ms/step
1991
1992 [log_13]Hour=559, Predicted=458.468621, Expected=331.252788
1993 1/1 [=====] - 0s 14ms/step
1994
1995 [log_13]Hour=560, Predicted=337.410094, Expected=130.656787
1996 1/1 [=====] - 0s 13ms/step
1997
1998 [log_13]Hour=561, Predicted=136.814093, Expected=131.175428
1999 1/1 [=====] - 0s 11ms/step
2000
2001 [log_13]Hour=562, Predicted=137.332734, Expected=122.732663
2002 1/1 [=====] - 0s 15ms/step
2003
2004 [log_13]Hour=563, Predicted=128.889969, Expected=171.008031
2005 1/1 [=====] - 0s 13ms/step
2006
2007 [log_13]Hour=564, Predicted=177.165337, Expected=213.822070
2008 1/1 [=====] - 0s 13ms/step
2009
2010 [log_13]Hour=565, Predicted=219.979373, Expected=328.585263
2011 1/1 [=====] - 0s 14ms/step
2012
2013 [log_13]Hour=566, Predicted=334.742566, Expected=268.660948
2014 1/1 [=====] - 0s 12ms/step
2015
2016 [log_13]Hour=567, Predicted=274.818254, Expected=220.860763
2017 1/1 [=====] - 0s 12ms/step
2018
2019 [log_13]Hour=568, Predicted=227.018066, Expected=177.437066
2020 1/1 [=====] - 0s 13ms/step
2021
2022 [log_13]Hour=569, Predicted=183.594375, Expected=167.387416
2023 1/1 [=====] - 0s 12ms/step
2024
2025 [log_13]Hour=570, Predicted=173.544718, Expected=339.069515
2026 1/1 [=====] - 0s 12ms/step
2027
2028 [log_13]Hour=571, Predicted=345.226821, Expected=411.463208
2029 1/1 [=====] - 0s 17ms/step
2030
2031 [log_13]Hour=572, Predicted=417.620514, Expected=408.793378
2032 1/1 [=====] - 0s 16ms/step
2033
2034 [log_13]Hour=573, Predicted=414.950678, Expected=337.530142
2035 1/1 [=====] - 0s 13ms/step
2036
2037 [log_13]Hour=574, Predicted=343.687451, Expected=257.143353
2038 1/1 [=====] - 0s 12ms/step
2039
2040 [log_13]Hour=575, Predicted=263.300659, Expected=198.913070
2041 1/1 [=====] - 0s 12ms/step
2042
2043 [log_13]Hour=576, Predicted=205.070373, Expected=201.058188
2044 1/1 [=====] - 0s 12ms/step
2045
2046 [log_13]Hour=577, Predicted=207.215494, Expected=150.581024
2047 1/1 [=====] - 0s 12ms/step
2048
2049 [log_13]Hour=578, Predicted=156.738333, Expected=226.335713
2050 1/1 [=====] - 0s 12ms/step
2051
2052 [log_13]Hour=579, Predicted=232.493015, Expected=525.521252
2053 1/1 [=====] - 0s 11ms/step
2054
2055 [log_13]Hour=580, Predicted=531.678558, Expected=631.953208
2056 1/1 [=====] - 0s 11ms/step
2057
2058 [log_13]Hour=581, Predicted=638.110513, Expected=441.509551
2059 1/1 [=====] - 0s 13ms/step
2060
2061 [log_13]Hour=582, Predicted=447.666850, Expected=538.114407
2062 1/1 [=====] - 0s 13ms/step
2063
2064 [log_13]Hour=583, Predicted=544.271716, Expected=576.709635
2065 1/1 [=====] - 0s 13ms/step
2066
2067 [log_13]Hour=584, Predicted=582.866941, Expected=664.757513
2068 1/1 [=====] - 0s 13ms/step
2069
2070 [log_13]Hour=585, Predicted=670.914819, Expected=625.121684
2071 1/1 [=====] - 0s 13ms/step
2072
2073 [log_13]Hour=586, Predicted=631.278990, Expected=521.206411
2074 1/1 [=====] - 0s 13ms/step
2075
2076 [log_13]Hour=587, Predicted=527.363714, Expected=721.610143
2077 1/1 [=====] - 0s 12ms/step
2078
2079 [log_13]Hour=588, Predicted=727.767448, Expected=894.148896
2080 1/1 [=====] - 0s 13ms/step
2081
2082 [log_13]Hour=589, Predicted=900.396199, Expected=788.762568
2083 1/1 [=====] - 0s 13ms/step
2084
2085 [log_13]Hour=590, Predicted=794.919870, Expected=976.378376
2086 1/1 [=====] - 0s 13ms/step
2087
2088 [log_13]Hour=591, Predicted=982.535681, Expected=860.109466
2089 1/1 [=====] - 0s 11ms/step
2090
2091 [log_13]Hour=592, Predicted=866.266775, Expected=806.691649
2092 1/1 [=====] - 0s 11ms/step
2093
2094 [log_13]Hour=593, Predicted=812.848951, Expected=630.201626
2095 1/1 [=====] - 0s 11ms/step
2096
2097 [log_13]Hour=594, Predicted=636.358932, Expected=495.676343
2098 1/1 [=====] - 0s 12ms/step
2099
2100 [log_13]Hour=595, Predicted=501.833649, Expected=700.938252
2101 1/1 [=====] - 0s 13ms/step
2102
2103 [log_13]Hour=596, Predicted=707.095551, Expected=662.895498
2104 1/1 [=====] - 0s 13ms/step
2105
2106 [log_13]Hour=597, Predicted=669.052807, Expected=494.207449
2107 1/1 [=====] - 0s 13ms/step
2108
2109 [log_13]Hour=598, Predicted=500.364755, Expected=377.578714
2110 1/1 [=====] - 0s 12ms/step
2111
2112 [log_13]Hour=599, Predicted=383.736016, Expected=437.014279
2113 1/1 [=====] - 0s 12ms/step
2114
2115 [log_13]Hour=600, Predicted=443.171585, Expected=435.812881
2116 1/1 [=====] - 0s 13ms/step
2117
2118 [log_13]Hour=601, Predicted=441.970187, Expected=304.108177
2119 1/1 [=====] - 0s 13ms/step
2120
2121 [log_13]Hour=602, Predicted=310.265476, Expected=160.980199
2122 1/1 [=====] - 0s 14ms/step
2123
2124 [log_13]Hour=603, Predicted=167.137505, Expected=203.970076
2125 1/1 [=====] - 0s 14ms/step
2126
2127 [log_13]Hour=604, Predicted=210.127382, Expected=428.490357
2128 1/1 [=====] - 0s 12ms/step
2129
2130 [log_13]Hour=605, Predicted=434.647656, Expected=273.329927
2131 1/1 [=====] - 0s 12ms/step
2132
2133 [log_13]Hour=606, Predicted=279.487233, Expected=302.471808
2134 1/1 [=====] - 0s 11ms/step
2135
2136 [log_13]Hour=607, Predicted=308.629113, Expected=417.015053
2137 1/1 [=====] - 0s 12ms/step
2138
2139 [log_13]Hour=608, Predicted=423.172358, Expected=389.815003
2140 1/1 [=====] - 0s 11ms/step
2141
2142 [log_13]Hour=609, Predicted=395.972312, Expected=563.422136
2143 1/1 [=====] - 0s 13ms/step
2144
2145 [log_13]Hour=610, Predicted=569.579442, Expected=575.657922
2146 1/1 [=====] - 0s 14ms/step
2147
2148 [log_13]Hour=611, Predicted=581.815227, Expected=589.599133
2149 1/1 [=====] - 0s 13ms/step
2150
2151 [log_13]Hour=612, Predicted=595.756439, Expected=529.922069
2152 1/1 [=====] - 0s 13ms/step
2153
2154 [log_13]Hour=613, Predicted=536.079371, Expected=428.440052
2155 1/1 [=====] - 0s 12ms/step
2156
2157 [log_13]Hour=614, Predicted=434.597357, Expected=371.825538
2158 1/1 [=====] - 0s 12ms/step
2159
2160 [log_13]Hour=615, Predicted=377.982843, Expected=380.779001
2161 1/1 [=====] - 0s 12ms/step
2162
2163 [log_13]Hour=616, Predicted=386.936300, Expected=471.620929
2164 1/1 [=====] - 0s 13ms/step
2165
2166 [log_13]Hour=617, Predicted=477.778238, Expected=484.396248
2167 1/1 [=====] - 0s 16ms/step
2168
2169 [log_13]Hour=618, Predicted=490.553554, Expected=489.751745
2170 1/1 [=====] - 0s 13ms/step

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2091 [log_13]Hour=619, Predicted=495.909044, Expected=824.844950
2092 1/1 [=====] - 0s 14ms/step
2093 2094 [log_13]Hour=620, Predicted=831.002259, Expected=1238.260614
2095 1/1 [=====] - 0s 12ms/step
2096 2097 [log_13]Hour=621, Predicted=1244.417920, Expected=1040.987685
2098 1/1 [=====] - 0s 12ms/step
2100 2101 [log_13]Hour=622, Predicted=1047.144987, Expected=1010.408544
2102 1/1 [=====] - 0s 12ms/step
2103 2104 [log_13]Hour=623, Predicted=1016.565854, Expected=1493.516833
2105 1/1 [=====] - 0s 12ms/step
2106 2107 [log_13]Hour=624, Predicted=1499.674138, Expected=1575.873181
2108 1/1 [=====] - 0s 13ms/step
2109 2110 [log_13]Hour=625, Predicted=1582.030483, Expected=1381.603381
2111 1/1 [=====] - 0s 13ms/step
2112 2113 [log_13]Hour=626, Predicted=1387.760687, Expected=1268.986952
2114 1/1 [=====] - 0s 12ms/step
2115 2116 [log_13]Hour=627, Predicted=1275.144258, Expected=1390.808864
2117 1/1 [=====] - 0s 12ms/step
2118 2119 [log_13]Hour=628, Predicted=1399.154545, Expected=1969.940294
2120 1/1 [=====] - 0s 11ms/step
2121 2122 [log_13]Hour=629, Predicted=1576.277764, Expected=1792.997239
2123 1/1 [=====] - 0s 13ms/step
2124 2125 [log_13]Hour=630, Predicted=1799.154545, Expected=1969.940294
2126 1/1 [=====] - 0s 13ms/step
2127 2128 [log_13]Hour=631, Predicted=1976.097597, Expected=1348.968162
2129 1/1 [=====] - 0s 13ms/step
2130 2131 [log_13]Hour=632, Predicted=1355.125468, Expected=1136.068671
2132 1/1 [=====] - 0s 12ms/step
2133 2134 [log_13]Hour=633, Predicted=1142.225974, Expected=21165.717348
2135 1/1 [=====] - 0s 12ms/step
2136 2137 [log_13]Hour=634, Predicted=1171.874654, Expected=995.634066
2138 1/1 [=====] - 0s 11ms/step
2139 2140 [log_13]Hour=635, Predicted=1001.791372, Expected=1558.790998
2141 1/1 [=====] - 0s 12ms/step
2142 2143 [log_13]Hour=636, Predicted=1564.948297, Expected=1969.359867
2144 1/1 [=====] - 0s 13ms/step
2145 2146 [log_13]Hour=637, Predicted=1975.517176, Expected=1825.485977
2147 1/1 [=====] - 0s 14ms/step
2148 2149 [log_13]Hour=638, Predicted=1831.643283, Expected=1391.861688
2150 1/1 [=====] - 0s 13ms/step
2151 2152 [log_13]Hour=639, Predicted=1398.018987, Expected=1119.469782
2153 1/1 [=====] - 0s 12ms/step
2154 2155 [log_13]Hour=640, Predicted=1125.627092, Expected=1318.743444
2156 1/1 [=====] - 0s 12ms/step
2157 2158 [log_13]Hour=641, Predicted=1324.900750, Expected=939.665447
2159 1/1 [=====] - 0s 12ms/step
2160 2161 [log_13]Hour=642, Predicted=945.822750, Expected=1304.488383
2162 1/1 [=====] - 0s 11ms/step
2163 2164 [log_13]Hour=643, Predicted=1310.645692, Expected=1054.911142
2165 1/1 [=====] - 0s 13ms/step
2166 2167 [log_13]Hour=644, Predicted=1061.068448, Expected=1030.237100
2168 1/1 [=====] - 0s 14ms/step
2169 2170 [log_13]Hour=645, Predicted=1036.394466, Expected=1362.991723
2171 1/1 [=====] - 0s 14ms/step
2172 2173 [log_13]Hour=646, Predicted=1389.149029, Expected=1022.261501
2174 1/1 [=====] - 0s 12ms/step
2175 2176 [log_13]Hour=647, Predicted=1028.418807, Expected=802.626268
2177 1/1 [=====] - 0s 12ms/step
2178 2179 [log_13]Hour=648, Predicted=808.783570, Expected=1104.280044
2180 1/1 [=====] - 0s 14ms/step
2181 2182 [log_13]Hour=649, Predicted=1110.437347, Expected=1318.025886
2183 1/1 [=====] - 0s 14ms/step
2184 2185 [log_13]Hour=650, Predicted=1324.183192, Expected=1185.293107
2186 1/1 [=====] - 0s 14ms/step
2187 2188 [log_13]Hour=651, Predicted=1191.450413, Expected=777.032792
2189 1/1 [=====] - 0s 14ms/step
2190 2191 [log_13]Hour=652, Predicted=783.190098, Expected=846.153391
2192 1/1 [=====] - 0s 14ms/step
2193 2194 [log_13]Hour=653, Predicted=852.310694, Expected=1016.492244
2195 1/1 [=====] - 0s 13ms/step
2196 2197 [log_13]Hour=654, Predicted=1022.649550, Expected=1124.104475
2198 1/1 [=====] - 0s 11ms/step
2199 2200 [log_13]Hour=655, Predicted=1130.261781, Expected=1201.518685
2201 1/1 [=====] - 0s 12ms/step
2202 2203 [log_13]Hour=656, Predicted=1207.675984, Expected=893.924972
2204 1/1 [=====] - 0s 12ms/step
2205 2206 [log_13]Hour=657, Predicted=900.082282, Expected=792.220968
2207 1/1 [=====] - 0s 13ms/step
2208 2209 [log_13]Hour=658, Predicted=798.378274, Expected=1334.844912
2210 1/1 [=====] - 0s 13ms/step
2211 2212 [log_13]Hour=659, Predicted=1341.002211, Expected=960.705481
2213 1/1 [=====] - 0s 13ms/step
2214 2215 [log_13]Hour=660, Predicted=966.862787, Expected=829.427996
2216 1/1 [=====] - 0s 12ms/step
2217 2218 [log_13]Hour=661, Predicted=835.585302, Expected=664.793880
2219 1/1 [=====] - 0s 12ms/step
2220 2221 [log_13]Hour=662, Predicted=670.951179, Expected=485.949172
2222 1/1 [=====] - 0s 12ms/step
2223 2224 [log_13]Hour=663, Predicted=492.106481, Expected=304.877781
2225 1/1 [=====] - 0s 12ms/step
2226 2227 [log_13]Hour=664, Predicted=311.035090, Expected=252.603050
2228 1/1 [=====] - 0s 13ms/step
2229 2230 [log_13]Hour=665, Predicted=258.760352, Expected=192.950995
2231 1/1 [=====] - 0s 13ms/step
2232 2233 [log_13]Hour=666, Predicted=199.108304, Expected=272.888864
2234 1/1 [=====] - 0s 14ms/step
2235 2236 [log_13]Hour=667, Predicted=279.046170, Expected=194.028538
2237 1/1 [=====] - 0s 13ms/step
2238 2239 [log_13]Hour=668, Predicted=200.185844, Expected=201.020308
2240 1/1 [=====] - 0s 13ms/step
2241 2242 [log_13]Hour=669, Predicted=207.177611, Expected=138.589851
2243 1/1 [=====] - 0s 12ms/step
2244 2245 [log_13]Hour=670, Predicted=144.747153, Expected=223.727403
2246 1/1 [=====] - 0s 12ms/step
2247 2248 [log_13]Hour=671, Predicted=229.884709, Expected=169.414276
2249 1/1 [=====] - 0s 13ms/step
2250 2251 [log_13]Hour=672, Predicted=175.571578, Expected=150.674347
2252 1/1 [=====] - 0s 13ms/step
2253 2254 [log_13]Hour=673, Predicted=156.831649, Expected=171.265153
2255 1/1 [=====] - 0s 14ms/step
2256 2257 [log_13]Hour=674, Predicted=177.424258, Expected=50.379992
2258 1/1 [=====] - 0s 12ms/step
2259 2260 [log_13]Hour=675, Predicted=56.537298, Expected=22.235087
2261 1/1 [=====] - 0s 12ms/step
2262 2263 [log_13]Hour=676, Predicted=28.392387, Expected=18.483618
2264 1/1 [=====] - 0s 12ms/step
2265 2266 [log_13]Hour=677, Predicted=24.640927, Expected=25.923293
2267 1/1 [=====] - 0s 13ms/step
2268 2269 [log_13]Hour=678, Predicted=32.080599, Expected=36.025479
2270 1/1 [=====] - 0s 13ms/step
2271 2272 [log_13]Hour=679, Predicted=42.182782, Expected=39.703095
2273 1/1 [=====] - 0s 13ms/step
2274 2275 [log_13]Hour=680, Predicted=45.860401, Expected=28.515304
2276 1/1 [=====] - 0s 17ms/step
2277 2278 [log_13]Hour=681, Predicted=34.672610, Expected=38.040921
2279 1/1 [=====] - 0s 12ms/step
2280
```

```
2281 [log_13]Hour=682, Predicted=44.198220, Expected=175.135898
2282 1/1 [=====] - 0s 12ms/step
2283
2284 [log_13]Hour=683, Predicted=181.293204, Expected=68.255289
2285 1/1 [=====] - 0s 12ms/step
2286
2287 [log_13]Hour=684, Predicted=74.412598, Expected=175.092390
2288 1/1 [=====] - 0s 12ms/step
2289
2289 [log_13]Hour=685, Predicted=181.249689, Expected=167.024707
2290 1/1 [=====] - 0s 14ms/step
2291
2293 [log_13]Hour=686, Predicted=173.182013, Expected=96.185482
2294 1/1 [=====] - 0s 14ms/step
2295
2296 [log_13]Hour=687, Predicted=102.342787, Expected=22.528958
2297 1/1 [=====] - 0s 16ms/step
2298
2299 [log_13]Hour=688, Predicted=28.686261, Expected=24.929279
2300 1/1 [=====] - 0s 12ms/step
2301
2302 [log_13]Hour=689, Predicted=31.086588, Expected=98.748071
2303 1/1 [=====] - 0s 11ms/step
2304
2305 [log_13]Hour=690, Predicted=104.905377, Expected=29.067671
2306 1/1 [=====] - 0s 12ms/step
2307
2308 [log_13]Hour=691, Predicted=35.224977, Expected=167.923122
2309 1/1 [=====] - 0s 13ms/step
2310
2311 [log_13]Hour=692, Predicted=174.080428, Expected=51.547153
2312 1/1 [=====] - 0s 13ms/step
2313
2314 [log_13]Hour=693, Predicted=57.704455, Expected=170.568290
2315 1/1 [=====] - 0s 15ms/step
2316
2317 [log_13]Hour=694, Predicted=176.725596, Expected=212.414194
2318 1/1 [=====] - 0s 12ms/step
2319
2319 [log_13]Hour=695, Predicted=218.571500, Expected=281.301693
2320 1/1 [=====] - 0s 12ms/step
2322
2323 [log_13]Hour=696, Predicted=287.458992, Expected=344.802906
2324 1/1 [=====] - 0s 12ms/step
2325
2326 [log_13]Hour=697, Predicted=350.960215, Expected=932.961966
2327 1/1 [=====] - 0s 12ms/step
2328
2329 [log_13]Hour=698, Predicted=939.119272, Expected=914.454187
2330 1/1 [=====] - 0s 14ms/step
2331
2332 [log_13]Hour=699, Predicted=920.611490, Expected=1349.975859
2333 1/1 [=====] - 0s 13ms/step
2334
2335 [log_13]Hour=700, Predicted=1356.133168, Expected=1248.686270
2336 1/1 [=====] - 0s 14ms/step
2337
2338 [log_13]Hour=701, Predicted=1254.843575, Expected=1742.409633
2339 1/1 [=====] - 0s 12ms/step
2340
2341 [log_13]Hour=702, Predicted=1748.566936, Expected=1594.694263
2342 1/1 [=====] - 0s 15ms/step
2343
2344 [log_13]Hour=703, Predicted=1600.851568, Expected=2947.205252
2345 1/1 [=====] - 0s 12ms/step
2346
2347 [log_13]Hour=704, Predicted=2953.362558, Expected=2407.623370
2348 1/1 [=====] - 0s 14ms/step
2349
2350 [log_13]Hour=705, Predicted=2413.780669, Expected=2087.080973
2351 1/1 [=====] - 0s 13ms/step
2352
2353 [log_13]Hour=706, Predicted=2093.238278, Expected=3005.433115
2354 1/1 [=====] - 0s 13ms/step
2355
2356 [log_13]Hour=707, Predicted=3011.590424, Expected=2841.535369
2357 1/1 [=====] - 0s 12ms/step
2358
2359 [log_13]Hour=708, Predicted=2847.692672, Expected=1757.100471
2360 1/1 [=====] - 0s 11ms/step
2361
2362 [log_13]Hour=709, Predicted=1763.257777, Expected=1334.774648
2363 1/1 [=====] - 0s 11ms/step
2364
2365 [log_13]Hour=710, Predicted=1340.931954, Expected=1154.759515
2366 1/1 [=====] - 0s 15ms/step
2367
2368 [log_13]Hour=711, Predicted=1160.916818, Expected=919.304416
2369 1/1 [=====] - 0s 14ms/step
2370
2371 [log_13]Hour=712, Predicted=925.461719, Expected=1709.197536
2372 1/1 [=====] - 0s 14ms/step
2373
2374 [log_13]Hour=713, Predicted=1715.354842, Expected=1820.803194
2375 1/1 [=====] - 0s 13ms/step
2376
2377 [log_13]Hour=714, Predicted=1826.960499, Expected=1202.808589
2378 1/1 [=====] - 0s 11ms/step
2379
2380 [log_13]Hour=715, Predicted=1208.965898, Expected=1107.823445
2381 1/1 [=====] - 0s 11ms/step
2382
2383 [log_13]Hour=716, Predicted=1113.980747, Expected=877.685315
2384 1/1 [=====] - 0s 10ms/step
2385
2386 [log_13]Hour=717, Predicted=883.842621, Expected=765.340036
2387 1/1 [=====] - 0s 13ms/step
2388
2389 [log_13]Hour=718, Predicted=771.497346, Expected=1427.767684
2390 1/1 [=====] - 0s 13ms/step
2391
2392 [log_13]Hour=719, Predicted=1433.924983, Expected=1408.261175
2393 1/1 [=====] - 0s 13ms/step
2394
2395 [log_13]Hour=720, Predicted=1414.418484, Expected=1531.260701
2396 1/1 [=====] - 0s 12ms/step
2397
2398 [log_13]Hour=721, Predicted=1537.418007, Expected=1896.246296
2399 1/1 [=====] - 0s 12ms/step
2400
2401 [log_13]Hour=722, Predicted=1902.403595, Expected=1434.984411
2402 1/1 [=====] - 0s 12ms/step
2403
2404 [log_13]Hour=723, Predicted=1441.141717, Expected=1154.475058
2405 1/1 [=====] - 0s 13ms/step
2406
2407 [log_13]Hour=724, Predicted=1160.632364, Expected=655.209080
2408 1/1 [=====] - 0s 14ms/step
2409
2410 [log_13]Hour=725, Predicted=661.366379, Expected=558.581257
2411 1/1 [=====] - 0s 13ms/step
2412
2413 [log_13]Hour=726, Predicted=564.738563, Expected=201.739075
2414 1/1 [=====] - 0s 13ms/step
2415
2416 [log_13]Hour=727, Predicted=207.896381, Expected=601.527649
2417 1/1 [=====] - 0s 12ms/step
2418
2419 [log_13]Hour=728, Predicted=607.684948, Expected=270.212330
2420 1/1 [=====] - 0s 12ms/step
2421
2422 [log_13]Hour=729, Predicted=276.369636, Expected=791.459855
2423 1/1 [=====] - 0s 12ms/step
2424
2425 [log_13]Hour=730, Predicted=797.617160, Expected=859.125871
2426 1/1 [=====] - 0s 12ms/step
2427
2428 [log_13]Hour=731, Predicted=865.283173, Expected=779.117347
2429 1/1 [=====] - 0s 13ms/step
2430
2431 [log_13]Hour=732, Predicted=785.274653, Expected=636.670981
2432 1/1 [=====] - 0s 13ms/step
2433
2434 [log_13]Hour=733, Predicted=642.828287, Expected=769.735324
2435 1/1 [=====] - 0s 12ms/step
2436
2437 [log_13]Hour=734, Predicted=775.892630, Expected=647.478152
2438 1/1 [=====] - 0s 13ms/step
2439
2440 [log_13]Hour=735, Predicted=653.635454, Expected=575.795293
2441 1/1 [=====] - 0s 11ms/step
2442
2443 [log_13]Hour=736, Predicted=581.952599, Expected=669.335957
2444 1/1 [=====] - 0s 12ms/step
2445
2446 [log_13]Hour=737, Predicted=675.493260, Expected=397.534246
2447 1/1 [=====] - 0s 12ms/step
2448
2449 [log_13]Hour=738, Predicted=403.691552, Expected=325.017229
2450 1/1 [=====] - 0s 13ms/step
2451
2452 [log_13]Hour=739, Predicted=331.174535, Expected=688.495916
2453 1/1 [=====] - 0s 13ms/step
2454
2455 [log_13]Hour=740, Predicted=694.653219, Expected=391.756574
2456 1/1 [=====] - 0s 14ms/step
2457
2458 [log_13]Hour=741, Predicted=397.913883, Expected=364.518866
2459 1/1 [=====] - 0s 15ms/step
2460
2461 [log_13]Hour=742, Predicted=370.676172, Expected=90.014273
2462 1/1 [=====] - 0s 11ms/step
2463
2464 [log_13]Hour=743, Predicted=96.171575, Expected=510.154176
2465 1/1 [=====] - 0s 12ms/step
2466
2467 [log_13]Hour=744, Predicted=516.311485, Expected=411.777277
2468 1/1 [=====] - 0s 14ms/step
2469
2470 [log_13]Hour=745, Predicted=417.934583, Expected=364.562927
```

```
2471 1/1 [=====] - 0s 13ms/step
2472
2473 [log_13]Hour=746, Predicted=370.720233, Expected=147.557133
2474 1/1 [=====] - 0s 13ms/step
2475
2476 [log_13]Hour=747, Predicted=153.714442, Expected=115.244739
2477 1/1 [=====] - 0s 13ms/step
2478
2479 [log_13]Hour=748, Predicted=121.402045, Expected=30.956182
2480 1/1 [=====] - 0s 12ms/step
2481
2482 [log_13]Hour=749, Predicted=37.113484, Expected=47.555967
2483 1/1 [=====] - 0s 13ms/step
2484
2485 [log_13]Hour=750, Predicted=53.713277, Expected=152.049909
2486 1/1 [=====] - 0s 12ms/step
2487
2488 [log_13]Hour=751, Predicted=158.207215, Expected=115.708237
2489 1/1 [=====] - 0s 13ms/step
2490
2491 [log_13]Hour=752, Predicted=121.865543, Expected=24.172969
2492 1/1 [=====] - 0s 14ms/step
2493
2494 [log_13]Hour=753, Predicted=30.330275, Expected=28.110194
2495 1/1 [=====] - 0s 13ms/step
2496
2497 [log_13]Hour=754, Predicted=34.267496, Expected=72.391313
2498 1/1 [=====] - 0s 12ms/step
2499
2500 [log_13]Hour=755, Predicted=78.548618, Expected=35.176444
2501 1/1 [=====] - 0s 12ms/step
2502
2503 [log_13]Hour=756, Predicted=41.333750, Expected=50.470745
2504 1/1 [=====] - 0s 13ms/step
2505
2506 [log_13]Hour=757, Predicted=56.628044, Expected=67.092097
2507 1/1 [=====] - 0s 12ms/step
2508
2509 [log_13]Hour=758, Predicted=73.249403, Expected=18.396138
2510 1/1 [=====] - 0s 13ms/step
2511
2512 [log_13]Hour=759, Predicted=24.553444, Expected=17.923315
2513 1/1 [=====] - 0s 13ms/step
2514
2515 [log_13]Hour=760, Predicted=24.080615, Expected=0.000000
2516 1/1 [=====] - 0s 13ms/step
2517
2518 [log_13]Hour=761, Predicted=6.157306, Expected=0.000000
2519 1/1 [=====] - 0s 12ms/step
2520
2521 [log_13]Hour=762, Predicted=6.157306, Expected=0.000000
2522 1/1 [=====] - 0s 11ms/step
2523
2524 [log_13]Hour=763, Predicted=6.157299, Expected=0.000000
2525 1/1 [=====] - 0s 12ms/step
2526
2527 [log_13]Hour=764, Predicted=6.157306, Expected=0.000000
2528 1/1 [=====] - 0s 13ms/step
2529
2530 [log_13]Hour=765, Predicted=6.157306, Expected=0.000000
2531 1/1 [=====] - 0s 13ms/step
2532
2533 [log_13]Hour=766, Predicted=6.157299, Expected=0.000000
2534 1/1 [=====] - 0s 13ms/step
2535
2536 [log_13]Hour=767, Predicted=6.157306, Expected=0.000000
2537 1/1 [=====] - 0s 13ms/step
2538
2539 [log_13]Hour=768, Predicted=6.157306, Expected=0.000000
2540 1/1 [=====] - 0s 12ms/step
2541
2542 [log_13]Hour=769, Predicted=6.157299, Expected=0.000000
2543 1/1 [=====] - 0s 12ms/step
2544
2545 [log_13]Hour=770, Predicted=6.157309, Expected=0.000000
2546 1/1 [=====] - 0s 11ms/step
2547
2548 [log_13]Hour=771, Predicted=6.157306, Expected=0.000000
2549 1/1 [=====] - 0s 14ms/step
2550
2551 [log_13]Hour=772, Predicted=6.157302, Expected=0.000000
2552 1/1 [=====] - 0s 14ms/step
2553
2554 [log_13]Hour=773, Predicted=6.157309, Expected=0.000000
2555 1/1 [=====] - 0s 13ms/step
2556
2557 [log_13]Hour=774, Predicted=6.157302, Expected=31.934067
2558 1/1 [=====] - 0s 12ms/step
2559
2560 [log_13]Hour=775, Predicted=38.091372, Expected=22.549722
2561 1/1 [=====] - 0s 12ms/step
2562
2563 [log_13]Hour=776, Predicted=28.707028, Expected=0.000000
2564 1/1 [=====] - 0s 12ms/step
2565
2566 [log_13]Hour=777, Predicted=6.157302, Expected=0.000000
2567 1/1 [=====] - 0s 12ms/step
2568
2569 [log_13]Hour=778, Predicted=6.157306, Expected=0.000000
2570 1/1 [=====] - 0s 13ms/step
2571
2572 [log_13]Hour=779, Predicted=6.157306, Expected=0.000000
2573 1/1 [=====] - 0s 14ms/step
2574
2575 [log_13]Hour=780, Predicted=6.157302, Expected=28.935982
2576 1/1 [=====] - 0s 13ms/step
2577
2578 [log_13]Hour=781, Predicted=35.093288, Expected=0.000000
2579 1/1 [=====] - 0s 12ms/step
2580
2581 [log_13]Hour=782, Predicted=6.157306, Expected=30.258110
2582 1/1 [=====] - 0s 13ms/step
2583
2584 [log_13]Hour=783, Predicted=36.415413, Expected=0.000000
2585 1/1 [=====] - 0s 11ms/step
2586
2587 [log_13]Hour=784, Predicted=6.157306, Expected=0.000000
2588 1/1 [=====] - 0s 11ms/step
2589
2590 [log_13]Hour=785, Predicted=6.157306, Expected=0.000000
2591 1/1 [=====] - 0s 13ms/step
2592
2593 [log_13]Hour=786, Predicted=6.157302, Expected=0.000000
2594 1/1 [=====] - 0s 13ms/step
2595
2596 [log_13]Hour=787, Predicted=6.157306, Expected=0.000000
2597 1/1 [=====] - 0s 10ms/step
2598
2599 [log_13]Hour=788, Predicted=6.157306, Expected=0.000000
2600 1/1 [=====] - 0s 13ms/step
2601
2602 [log_13]Hour=789, Predicted=6.157299, Expected=0.000000
2603 1/1 [=====] - 0s 12ms/step
2604
2605 [log_13]Hour=790, Predicted=6.157306, Expected=0.000000
2606 1/1 [=====] - 0s 11ms/step
2607
2608 [log_13]Hour=791, Predicted=6.157306, Expected=0.000000
2609 1/1 [=====] - 0s 12ms/step
2610
2611 [log_13]Hour=792, Predicted=6.157299, Expected=0.000000
2612 1/1 [=====] - 0s 13ms/step
2613
2614 [log_13]Hour=793, Predicted=6.157306, Expected=0.000000
2615 1/1 [=====] - 0s 14ms/step
2616
2617 [log_13]Hour=794, Predicted=6.157306, Expected=0.000000
2618 1/1 [=====] - 0s 13ms/step
2619
2620 [log_13]Hour=795, Predicted=6.157299, Expected=0.000000
2621 1/1 [=====] - 0s 12ms/step
2622
2623 [log_13]Hour=796, Predicted=6.157306, Expected=0.000000
2624 1/1 [=====] - 0s 12ms/step
2625
2626 [log_13]Hour=797, Predicted=6.157306, Expected=0.000000
2627 1/1 [=====] - 0s 12ms/step
2628
2629 [log_13]Hour=798, Predicted=6.157302, Expected=0.000000
2630 1/1 [=====] - 0s 12ms/step
2631
2632 [log_13]Hour=799, Predicted=6.157309, Expected=0.000000
2633 1/1 [=====] - 0s 15ms/step
2634
2635 [log_13]Hour=800, Predicted=6.157302, Expected=0.000000
2636 1/1 [=====] - 0s 13ms/step
2637
2638 [log_13]Hour=801, Predicted=6.157306, Expected=0.000000
2639 1/1 [=====] - 0s 13ms/step
2640
2641 [log_13]Hour=802, Predicted=6.157306, Expected=0.000000
2642 1/1 [=====] - 0s 13ms/step
2643
2644 [log_13]Hour=803, Predicted=6.157302, Expected=0.000000
2645 1/1 [=====] - 0s 13ms/step
2646
2647 [log_13]Hour=804, Predicted=6.157306, Expected=0.000000
2648 1/1 [=====] - 0s 11ms/step
2649
2650 [log_13]Hour=805, Predicted=6.157306, Expected=0.000000
2651 1/1 [=====] - 0s 14ms/step
2652
2653 [log_13]Hour=806, Predicted=6.157299, Expected=0.000000
2654 1/1 [=====] - 0s 14ms/step
2655
2656 [log_13]Hour=807, Predicted=6.157309, Expected=17.214579
2657 1/1 [=====] - 0s 13ms/step
2658
2659 [log_13]Hour=808, Predicted=23.371885, Expected=0.000000
2660 1/1 [=====] - 0s 13ms/step
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2661 [log_13]Hour=809, Predicted=6.157302, Expected=25.068110  
2662 1/1 [=====] - 0s 13ms/step  
2664  
2665 [log_13]Hour=810, Predicted=31.225446, Expected=0.000000  
2666 1/1 [=====] - 0s 12ms/step  
2667  
2668 [log_13]Hour=811, Predicted=6.157306, Expected=0.000000  
2669 1/1 [=====] - 0s 12ms/step  
2670  
2671 [log_13]Hour=812, Predicted=6.157302, Expected=0.000000  
2672 1/1 [=====] - 0s 13ms/step  
2673  
2674 [log_13]Hour=813, Predicted=6.157306, Expected=0.000000  
2675 1/1 [=====] - 0s 14ms/step  
2676  
2677 [log_13]Hour=814, Predicted=6.157306, Expected=0.000000  
2678 1/1 [=====] - 0s 13ms/step  
2679  
2680 [log_13]Hour=815, Predicted=6.157299, Expected=0.000000  
2681 1/1 [=====] - 0s 12ms/step  
2682  
2683 [log_13]Hour=816, Predicted=6.157306, Expected=0.000000  
2684 1/1 [=====] - 0s 12ms/step  
2685  
2686 [log_13]Hour=817, Predicted=6.157309, Expected=0.000000  
2687 1/1 [=====] - 0s 13ms/step  
2688  
2689 [log_13]Hour=818, Predicted=6.157302, Expected=17.348554  
2690 1/1 [=====] - 0s 12ms/step  
2691  
2692 [log_13]Hour=819, Predicted=23.505863, Expected=0.000000  
2693 1/1 [=====] - 0s 15ms/step  
2694  
2695 [log_13]Hour=820, Predicted=6.157306, Expected=0.000000  
2696 1/1 [=====] - 0s 15ms/step  
2697  
2698 [log_13]Hour=821, Predicted=6.157302, Expected=0.000000  
2699 1/1 [=====] - 0s 13ms/step  
2700  
2701 [log_13]Hour=822, Predicted=6.157306, Expected=0.000000  
2702 1/1 [=====] - 0s 12ms/step  
2703  
2704 [log_13]Hour=823, Predicted=6.157306, Expected=0.000000  
2705 1/1 [=====] - 0s 13ms/step  
2706  
2707 [log_13]Hour=824, Predicted=6.157306, Expected=0.000000  
2708 1/1 [=====] - 0s 12ms/step  
2709  
2710 [log_13]Hour=825, Predicted=6.157309, Expected=0.000000  
2711 1/1 [=====] - 0s 14ms/step  
2712  
2713 [log_13]Hour=826, Predicted=6.157302, Expected=0.000000  
2714 1/1 [=====] - 0s 13ms/step  
2715  
2716 [log_13]Hour=827, Predicted=6.157306, Expected=23.699323  
2717 1/1 [=====] - 0s 14ms/step  
2718  
2719 [log_13]Hour=828, Predicted=29.856632, Expected=33.396457  
2720 1/1 [=====] - 0s 11ms/step  
2721  
2722 [log_13]Hour=829, Predicted=39.553756, Expected=144.464714  
2723 1/1 [=====] - 0s 13ms/step  
2724  
2725 [log_13]Hour=830, Predicted=150.622024, Expected=64.254790  
2726 1/1 [=====] - 0s 12ms/step  
2727  
2728 [log_13]Hour=831, Predicted=70.412096, Expected=0.000000  
2729 1/1 [=====] - 0s 13ms/step  
2730  
2731 [log_13]Hour=832, Predicted=6.157299, Expected=0.000000  
2732 1/1 [=====] - 0s 13ms/step  
2733  
2734 [log_13]Hour=833, Predicted=6.157306, Expected=0.000000  
2735 1/1 [=====] - 0s 15ms/step  
2736  
2737 [log_13]Hour=834, Predicted=6.157306, Expected=0.000000  
2738 1/1 [=====] - 0s 13ms/step  
2739  
2740 [log_13]Hour=835, Predicted=6.157299, Expected=0.000000  
2741 1/1 [=====] - 0s 11ms/step  
2742  
2743 [log_13]Hour=836, Predicted=6.157306, Expected=0.000000  
2744 1/1 [=====] - 0s 12ms/step  
2745  
2746 [log_13]Hour=837, Predicted=6.157306, Expected=0.000000  
2747 1/1 [=====] - 0s 12ms/step  
2748  
2749 [log_13]Hour=838, Predicted=6.157299, Expected=0.000000  
2750 1/1 [=====] - 0s 12ms/step  
2751  
2752 [log_13]Hour=839, Predicted=6.157306, Expected=0.000000  
2753 1/1 [=====] - 0s 13ms/step  
2754  
2755 [log_13]Hour=840, Predicted=6.157306, Expected=0.000000  
2756 1/1 [=====] - 0s 14ms/step  
2757  
2758 [log_13]Hour=841, Predicted=6.157302, Expected=0.000000  
2759 1/1 [=====] - 0s 11ms/step  
2760  
2761 [log_13]Hour=842, Predicted=6.157306, Expected=0.000000  
2762 1/1 [=====] - 0s 13ms/step  
2763  
2764 [log_13]Hour=843, Predicted=6.157306, Expected=0.000000  
2765 1/1 [=====] - 0s 11ms/step  
2766  
2767 [log_13]Hour=844, Predicted=6.157306, Expected=0.000000  
2768 1/1 [=====] - 0s 12ms/step  
2769  
2770 [log_13]Hour=845, Predicted=6.157306, Expected=0.000000  
2771 1/1 [=====] - 0s 13ms/step  
2772  
2773 [log_13]Hour=846, Predicted=6.157302, Expected=0.000000  
2774 1/1 [=====] - 0s 12ms/step  
2775  
2776 [log_13]Hour=847, Predicted=6.157306, Expected=0.000000  
2777 1/1 [=====] - 0s 13ms/step  
2778  
2779 [log_13]Hour=848, Predicted=6.157306, Expected=0.000000  
2780 1/1 [=====] - 0s 12ms/step  
2781  
2782 [log_13]Hour=849, Predicted=6.157302, Expected=0.000000  
2783 1/1 [=====] - 0s 12ms/step  
2784  
2785 [log_13]Hour=850, Predicted=6.157306, Expected=0.000000  
2786 1/1 [=====] - 0s 12ms/step  
2787  
2788 [log_13]Hour=851, Predicted=6.157306, Expected=0.000000  
2789 1/1 [=====] - 0s 12ms/step  
2790  
2791 [log_13]Hour=852, Predicted=6.157302, Expected=0.000000  
2792 1/1 [=====] - 0s 14ms/step  
2793  
2794 [log_13]Hour=853, Predicted=6.157306, Expected=0.000000  
2795 1/1 [=====] - 0s 13ms/step  
2796  
2797 [log_13]Hour=854, Predicted=6.157306, Expected=0.000000  
2798 1/1 [=====] - 0s 16ms/step  
2799  
2800 [log_13]Hour=855, Predicted=6.157302, Expected=0.000000  
2801 1/1 [=====] - 0s 12ms/step  
2802  
2803 [log_13]Hour=856, Predicted=6.157306, Expected=0.000000  
2804 1/1 [=====] - 0s 13ms/step  
2805  
2806 [log_13]Hour=857, Predicted=6.157306, Expected=0.000000  
2807 1/1 [=====] - 0s 12ms/step  
2808  
2809 [log_13]Hour=858, Predicted=6.157299, Expected=0.000000  
2810 1/1 [=====] - 0s 12ms/step  
2811  
2812 [log_13]Hour=859, Predicted=6.157309, Expected=0.000000  
2813 1/1 [=====] - 0s 13ms/step  
2814  
2815 [log_13]Hour=860, Predicted=6.157306, Expected=0.000000  
2816 1/1 [=====] - 0s 13ms/step  
2817  
2818 [log_13]Hour=861, Predicted=6.157302, Expected=0.000000  
2819 1/1 [=====] - 0s 13ms/step  
2820  
2821 [log_13]Hour=862, Predicted=6.157309, Expected=0.000000  
2822 1/1 [=====] - 0s 12ms/step  
2823  
2824 [log_13]Hour=863, Predicted=6.157306, Expected=0.000000  
2825 1/1 [=====] - 0s 12ms/step  
2826  
2827 [log_13]Hour=864, Predicted=6.157302, Expected=0.000000  
2828 1/1 [=====] - 0s 13ms/step  
2829  
2830 [log_13]Hour=865, Predicted=6.157302, Expected=0.000000  
2831 1/1 [=====] - 0s 15ms/step  
2832  
2833 [log_13]Hour=866, Predicted=6.157306, Expected=0.000000  
2834 1/1 [=====] - 0s 13ms/step  
2835  
2836 [log_13]Hour=867, Predicted=6.157302, Expected=0.000000  
2837 1/1 [=====] - 0s 13ms/step  
2838  
2839 [log_13]Hour=868, Predicted=6.157306, Expected=0.000000  
2840 1/1 [=====] - 0s 14ms/step  
2841  
2842 [log_13]Hour=869, Predicted=6.157306, Expected=0.000000  
2843 1/1 [=====] - 0s 13ms/step  
2844  
2845 [log_13]Hour=870, Predicted=6.157302, Expected=0.000000  
2846 1/1 [=====] - 0s 12ms/step  
2847  
2848 [log_13]Hour=871, Predicted=6.157309, Expected=0.000000  
2849 1/1 [=====] - 0s 12ms/step  
2850
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2851 [log_13]Hour=872, Predicted=6.157306, Expected=0.000000
2852 1/1 [=====] - 0s 13ms/step
2853
2854 [log_13]Hour=873, Predicted=6.157306, Expected=0.000000
2855 1/1 [=====] - 0s 15ms/step
2856
2857 [log_13]Hour=874, Predicted=6.157306, Expected=113.658339
2858 1/1 [=====] - 0s 13ms/step
2859
2860 [log_13]Hour=875, Predicted=119.815642, Expected=275.435709
2861 1/1 [=====] - 0s 13ms/step
2862
2863 [log_13]Hour=876, Predicted=281.593015, Expected=152.097165
2864 1/1 [=====] - 0s 12ms/step
2865
2866 [log_13]Hour=877, Predicted=158.254471, Expected=0.000000
2867 1/1 [=====] - 0s 12ms/step
2868
2869 [log_13]Hour=878, Predicted=6.157299, Expected=0.000000
2870 1/1 [=====] - 0s 11ms/step
2871
2872 [log_13]Hour=879, Predicted=6.157309, Expected=0.000000
2873 1/1 [=====] - 0s 12ms/step
2874
2875 [log_13]Hour=880, Predicted=6.157306, Expected=0.000000
2876 1/1 [=====] - 0s 13ms/step
2877
2878 [log_13]Hour=881, Predicted=6.157299, Expected=0.000000
2879 1/1 [=====] - 0s 14ms/step
2880
2881 [log_13]Hour=882, Predicted=6.157306, Expected=0.000000
2882 1/1 [=====] - 0s 13ms/step
2883
2884 [log_13]Hour=883, Predicted=6.157306, Expected=0.000000
2885 1/1 [=====] - 0s 12ms/step
2886
2887 [log_13]Hour=884, Predicted=6.157299, Expected=0.000000
2888 1/1 [=====] - 0s 12ms/step
2889
2890 [log_13]Hour=885, Predicted=6.157306, Expected=0.000000
2891 1/1 [=====] - 0s 12ms/step
2892
2893 [log_13]Hour=886, Predicted=6.157306, Expected=0.000000
2894 1/1 [=====] - 0s 12ms/step
2895
2896 [log_13]Hour=887, Predicted=6.157302, Expected=0.000000
2897 1/1 [=====] - 0s 14ms/step
2898
2899 [log_13]Hour=888, Predicted=6.157309, Expected=0.000000
2900 1/1 [=====] - 0s 13ms/step
2901
2902 [log_13]Hour=889, Predicted=6.157306, Expected=0.000000
2903 1/1 [=====] - 0s 13ms/step
2904
2905 [log_13]Hour=890, Predicted=6.157302, Expected=0.000000
2906 1/1 [=====] - 0s 12ms/step
2907
2908 [log_13]Hour=891, Predicted=6.157309, Expected=0.000000
2909 1/1 [=====] - 0s 12ms/step
2910
2911 [log_13]Hour=892, Predicted=6.157306, Expected=0.000000
2912 1/1 [=====] - 0s 12ms/step
2913
2914 [log_13]Hour=893, Predicted=6.157302, Expected=0.000000
2915 1/1 [=====] - 0s 11ms/step
2916
2917 [log_13]Hour=894, Predicted=6.157302, Expected=30.844680
2918 1/1 [=====] - 0s 13ms/step
2919
2920 [log_13]Hour=895, Predicted=37.001986, Expected=0.000000
2921 1/1 [=====] - 0s 13ms/step
2922
2923 [log_13]Hour=896, Predicted=6.157306, Expected=0.000000
2924 1/1 [=====] - 0s 14ms/step
2925
2926 [log_13]Hour=897, Predicted=6.157306, Expected=0.000000
2927 1/1 [=====] - 0s 12ms/step
2928
2929 [log_13]Hour=898, Predicted=6.157302, Expected=0.000000
2930 1/1 [=====] - 0s 12ms/step
2931
2932 [log_13]Hour=899, Predicted=6.157309, Expected=0.000000
2933 1/1 [=====] - 0s 12ms/step
2934
2935 [log_13]Hour=900, Predicted=6.157306, Expected=0.000000
2936 1/1 [=====] - 0s 12ms/step
2937
2938 [log_13]Hour=901, Predicted=6.157302, Expected=0.000000
2939 1/1 [=====] - 0s 13ms/step
2940
2941 [log_13]Hour=902, Predicted=6.157306, Expected=0.000000
2942 1/1 [=====] - 0s 14ms/step
2943
2944 [log_13]Hour=903, Predicted=6.157304, Expected=0.000000
2945 1/1 [=====] - 0s 14ms/step
2946
2947 [log_13]Hour=904, Predicted=6.157302, Expected=0.000000
2948 1/1 [=====] - 0s 12ms/step
2949
2950 [log_13]Hour=905, Predicted=6.157306, Expected=0.000000
2951 1/1 [=====] - 0s 11ms/step
2952
2953 [log_13]Hour=906, Predicted=6.157306, Expected=0.000000
2954 1/1 [=====] - 0s 12ms/step
2955
2956 [log_13]Hour=907, Predicted=6.157299, Expected=0.000000
2957 1/1 [=====] - 0s 11ms/step
2958
2959 [log_13]Hour=908, Predicted=6.157306, Expected=0.000000
2960 1/1 [=====] - 0s 13ms/step
2961
2962 [log_13]Hour=909, Predicted=6.157306, Expected=0.000000
2963 1/1 [=====] - 0s 13ms/step
2964
2965 [log_13]Hour=910, Predicted=6.157299, Expected=0.000000
2966 1/1 [=====] - 0s 12ms/step
2967
2968 [log_13]Hour=911, Predicted=6.157306, Expected=0.000000
2969 1/1 [=====] - 0s 12ms/step
2970
2971 [log_13]Hour=912, Predicted=6.157306, Expected=0.000000
2972 1/1 [=====] - 0s 11ms/step
2973
2974 [log_13]Hour=913, Predicted=6.157299, Expected=0.000000
2975 1/1 [=====] - 0s 12ms/step
2976
2977 [log_13]Hour=914, Predicted=6.157309, Expected=0.000000
2978 1/1 [=====] - 0s 12ms/step
2979
2980 [log_13]Hour=915, Predicted=6.157309, Expected=0.000000
2981 1/1 [=====] - 0s 12ms/step
2982
2983 [log_13]Hour=916, Predicted=6.157306, Expected=0.000000
2984 1/1 [=====] - 0s 13ms/step
2985
2986 [log_13]Hour=917, Predicted=6.157306, Expected=0.000000
2987 1/1 [=====] - 0s 13ms/step
2988
2989 [log_13]Hour=918, Predicted=6.157306, Expected=0.000000
2990 1/1 [=====] - 0s 12ms/step
2991
2992 [log_13]Hour=919, Predicted=6.157302, Expected=0.000000
2993 1/1 [=====] - 0s 13ms/step
2994
2995 [log_13]Hour=920, Predicted=6.157306, Expected=0.000000
2996 1/1 [=====] - 0s 12ms/step
2997
2998 [log_13]Hour=921, Predicted=6.157306, Expected=0.000000
2999 1/1 [=====] - 0s 12ms/step
3000
3001 [log_13]Hour=922, Predicted=6.157306, Expected=0.000000
3002 1/1 [=====] - 0s 13ms/step
3003
3004 [log_13]Hour=923, Predicted=6.157306, Expected=0.000000
3005 1/1 [=====] - 0s 13ms/step
3006
3007 [log_13]Hour=924, Predicted=6.157302, Expected=0.000000
3008 1/1 [=====] - 0s 13ms/step
3009
3010 [log_13]Hour=925, Predicted=6.157306, Expected=0.000000
3011 1/1 [=====] - 0s 13ms/step
3012
3013 [log_13]Hour=926, Predicted=6.157306, Expected=0.000000
3014 1/1 [=====] - 0s 11ms/step
3015
3016 [log_13]Hour=927, Predicted=6.157299, Expected=0.000000
3017 1/1 [=====] - 0s 13ms/step
3018
3019 [log_13]Hour=928, Predicted=6.157309, Expected=20.927303
3020 1/1 [=====] - 0s 13ms/step
3021
3022 [log_13]Hour=929, Predicted=27.084609, Expected=0.000000
3023 1/1 [=====] - 0s 13ms/step
3024
3025 [log_13]Hour=930, Predicted=6.157302, Expected=0.000000
3026 1/1 [=====] - 0s 13ms/step
3027
3028 [log_13]Hour=931, Predicted=6.157309, Expected=0.000000
3029 1/1 [=====] - 0s 14ms/step
3030
3031 [log_13]Hour=932, Predicted=6.157306, Expected=0.000000
3032 1/1 [=====] - 0s 12ms/step
3033
3034 [log_13]Hour=933, Predicted=6.157302, Expected=0.000000
3035 1/1 [=====] - 0s 12ms/step
3036
3037 [log_13]Hour=934, Predicted=6.157309, Expected=0.000000
3038 1/1 [=====] - 0s 12ms/step
3039
3040 [log_13]Hour=935, Predicted=6.157306, Expected=0.000000

```
3041 1/1 [=====] - 0s 12ms/step
3042
3043 [log_13]Hour=936, Predicted=6.157302, Expected=0.000000
3044 1/1 [=====] - 0s 15ms/step
3045
3046 [log_13]Hour=937, Predicted=6.157306, Expected=0.000000
3047 1/1 [=====] - 0s 13ms/step
3048
3049 [log_13]Hour=938, Predicted=6.157306, Expected=112.542195
3050 1/1 [=====] - 0s 13ms/step
3051
3052 [log_13]Hour=939, Predicted=118.699497, Expected=19.576482
3053 1/1 [=====] - 0s 13ms/step
3054
3055 [log_13]Hour=940, Predicted=25.733785, Expected=0.000000
3056 1/1 [=====] - 0s 13ms/step
3057
3058 [log_13]Hour=941, Predicted=6.157306, Expected=0.000000
3059 1/1 [=====] - 0s 12ms/step
3060
3061 [log_13]Hour=942, Predicted=6.157306, Expected=0.000000
3062 1/1 [=====] - 0s 12ms/step
3063
3064 [log_13]Hour=943, Predicted=6.157306, Expected=25.725232
3065 1/1 [=====] - 0s 15ms/step
3066
3067 [log_13]Hour=944, Predicted=31.882534, Expected=102.912015
3068 1/1 [=====] - 0s 18ms/step
3069
3070 [log_13]Hour=945, Predicted=109.069320, Expected=16.426896
3071 1/1 [=====] - 0s 13ms/step
3072
3073 [log_13]Hour=946, Predicted=22.584202, Expected=0.000000
3074 1/1 [=====] - 0s 12ms/step
3075
3076 [log_13]Hour=947, Predicted=6.157302, Expected=0.000000
3077 1/1 [=====] - 0s 12ms/step
3078
3079 [log_13]Hour=948, Predicted=6.157306, Expected=0.000000
3080 1/1 [=====] - 0s 12ms/step
3081
3082 [log_13]Hour=949, Predicted=6.157306, Expected=73.392108
3083 1/1 [=====] - 0s 12ms/step
3084
3085 [log_13]Hour=950, Predicted=79.549407, Expected=231.578163
3086 1/1 [=====] - 0s 14ms/step
3087
3088 [log_13]Hour=951, Predicted=237.735472, Expected=194.775531
3089 1/1 [=====] - 0s 14ms/step
3090
3091 [log_13]Hour=952, Predicted=200.932837, Expected=140.080465
3092 1/1 [=====] - 0s 13ms/step
3093
3094 [log_13]Hour=953, Predicted=146.237764, Expected=146.634436
3095 1/1 [=====] - 0s 12ms/step
3096
3097 [log_13]Hour=954, Predicted=152.791742, Expected=155.754138
3098 1/1 [=====] - 0s 11ms/step
3099
3100 [log_13]Hour=955, Predicted=161.911444, Expected=222.478263
3101 1/1 [=====] - 0s 11ms/step
3102
3103 [log_13]Hour=956, Predicted=228.635562, Expected=409.420042
3104 1/1 [=====] - 0s 12ms/step
3105
3106 [log_13]Hour=957, Predicted=415.577348, Expected=586.118854
3107 1/1 [=====] - 0s 13ms/step
3108
3109 [log_13]Hour=958, Predicted=592.276159, Expected=570.018207
3110 1/1 [=====] - 0s 14ms/step
3111
3112 [log_13]Hour=959, Predicted=576.175506, Expected=652.381931
3113 1/1 [=====] - 0s 13ms/step
3114
3115 [log_13]Hour=960, Predicted=658.539241, Expected=590.510937
3116 1/1 [=====] - 0s 12ms/step
3117
3118 [log_13]Hour=961, Predicted=596.668246, Expected=456.513723
3119 1/1 [=====] - 0s 12ms/step
3120
3121 [log_13]Hour=962, Predicted=462.671029, Expected=637.553372
3122 1/1 [=====] - 0s 11ms/step
3123
3124 [log_13]Hour=963, Predicted=643.710678, Expected=1340.607690
3125 1/1 [=====] - 0s 12ms/step
3126
3127 [log_13]Hour=964, Predicted=1346.764996, Expected=1715.429019
3128 1/1 [=====] - 0s 13ms/step
3129
3130 [log_13]Hour=965, Predicted=1721.586325, Expected=1652.323671
3131 1/1 [=====] - 0s 13ms/step
3132
3133 [log_13]Hour=966, Predicted=1658.489973, Expected=1905.087285
3134 1/1 [=====] - 0s 14ms/step
3135
3136 [log_13]Hour=967, Predicted=1911.244587, Expected=1490.171275
3137 1/1 [=====] - 0s 12ms/step
3138
3139 [log_13]Hour=968, Predicted=1496.328581, Expected=543.772723
3140 1/1 [=====] - 0s 11ms/step
3141
3142 [log_13]Hour=969, Predicted=549.930033, Expected=293.979630
3143 1/1 [=====] - 0s 12ms/step
3144
3145 [log_13]Hour=970, Predicted=300.136932, Expected=241.730240
3146 1/1 [=====] - 0s 11ms/step
3147
3148 [log_13]Hour=971, Predicted=247.887545, Expected=286.671310
3149 1/1 [=====] - 0s 13ms/step
3150
3151 [log_13]Hour=972, Predicted=292.828616, Expected=217.434880
3152 1/1 [=====] - 0s 13ms/step
3153
3154 [log_13]Hour=973, Predicted=223.592179, Expected=243.534791
3155 1/1 [=====] - 0s 13ms/step
3156
3157 [log_13]Hour=974, Predicted=249.692108, Expected=223.069217
3158 1/1 [=====] - 0s 13ms/step
3159
3160 [log_13]Hour=975, Predicted=229.226522, Expected=222.503209
3161 1/1 [=====] - 0s 12ms/step
3162
3163 [log_13]Hour=976, Predicted=228.660512, Expected=233.953613
3164 1/1 [=====] - 0s 12ms/step
3165
3166 [log_13]Hour=977, Predicted=240.110919, Expected=287.885241
3167 1/1 [=====] - 0s 12ms/step
3168
3169 [log_13]Hour=978, Predicted=294.042550, Expected=287.241996
3170 1/1 [=====] - 0s 14ms/step
3171
3172 [log_13]Hour=979, Predicted=293.392999, Expected=302.480001
3173 1/1 [=====] - 0s 13ms/step
3174
3175 [log_13]Hour=980, Predicted=308.637307, Expected=334.719439
3176 1/1 [=====] - 0s 14ms/step
3177
3178 [log_13]Hour=981, Predicted=340.876748, Expected=386.049437
3179 1/1 [=====] - 0s 12ms/step
3180
3181 [log_13]Hour=982, Predicted=392.206739, Expected=553.935635
3182 1/1 [=====] - 0s 11ms/step
3183
3184 [log_13]Hour=983, Predicted=560.092941, Expected=462.849436
3185 1/1 [=====] - 0s 12ms/step
3186
3187 [log_13]Hour=984, Predicted=469.006742, Expected=674.375292
3188 1/1 [=====] - 0s 12ms/step
3189
3190 [log_13]Hour=985, Predicted=680.532594, Expected=1493.735939
3191 1/1 [=====] - 0s 13ms/step
3192
3193 [log_13]Hour=986, Predicted=1499.893245, Expected=1736.454419
3194 1/1 [=====] - 0s 13ms/step
3195
3196 [log_13]Hour=987, Predicted=1742.611725, Expected=1936.655737
3197 1/1 [=====] - 0s 14ms/step
3198
3199 [log_13]Hour=988, Predicted=1942.813043, Expected=1608.743387
3200 1/1 [=====] - 0s 11ms/step
3201
3202 [log_13]Hour=989, Predicted=1614.900692, Expected=1251.008410
3203 1/1 [=====] - 0s 12ms/step
3204
3205 [log_13]Hour=990, Predicted=1257.165709, Expected=1254.728650
3206 1/1 [=====] - 0s 15ms/step
3207
3208 [log_13]Hour=991, Predicted=1260.885959, Expected=1376.495123
3209 1/1 [=====] - 0s 12ms/step
3210
3211 [log_13]Hour=992, Predicted=1382.652429, Expected=2135.288428
3212 1/1 [=====] - 0s 13ms/step
3213
3214 [log_13]Hour=993, Predicted=2141.445727, Expected=2601.071371
3215 1/1 [=====] - 0s 13ms/step
3216
3217 [log_13]Hour=994, Predicted=2607.228680, Expected=1827.149165
3218 1/1 [=====] - 0s 13ms/step
3219
3220 [log_13]Hour=995, Predicted=1833.306471, Expected=2543.911219
3221 1/1 [=====] - 0s 11ms/step
3222
3223 [log_13]Hour=996, Predicted=2550.068518, Expected=1811.263260
3224 1/1 [=====] - 0s 13ms/step
3225
3226 [log_13]Hour=997, Predicted=1817.420569, Expected=1787.100338
3227 1/1 [=====] - 0s 12ms/step
3228
3229 [log_13]Hour=998, Predicted=1793.257643, Expected=2777.504103
3230 1/1 [=====] - 0s 13ms/step
```

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3231
3232 [log_13]Hour=999, Predicted=2783.661402, Expected=3025.199012
3233 1/1 [=====] - 0s 13ms/step
3234
3235 [log_13]Hour=1000, Predicted=3031.356318, Expected=3161.693967
3236 Model: "sequential"
3237 -----
3238 Layer (type)          Output Shape         Param #
3239 =====
3240 LSTM (LSTM)           (1, 10)            1400
3241 Dense (Dense)        (1, 1)             11
3243 -----
3244 =====
3245 Total params: 1,411
3246 Trainable params: 1,411
3247 Non-trainable params: 0
3248 -----
3249
3250 [log_14]Mean Absolute Percent Error: 0.46133574838189695
3251
3252 [log_15] Plot Predicted Values VS Actual Values Done
3253
3254 [log_15] Plot Predicted Values VS Actual Values Done
3255
3256 0000000000 0
3257
```