```
 1 /Users/msajjad/go/src/github.com/vendasta/CS/.venv/
   bin/python /Users/msajjad/personal-code/LSi-Team-
   Vision/analyser/prophet_analyser_2.py
 2 <class 'pandas.core.frame.DataFrame'>
 3 RangeIndex: 78013 entries, 0 to 78012
 4 Data columns (total 2 columns):
 5  #   Column     Non-Null Count  Dtype
 6 ---  ------     --------------  -----
 7  0   Date       78013 non-null  object
 8  1   Capacity   78012 non-null  float64
 9 dtypes: float64(1), object(1)
10 memory usage: 1.2+ MB
11 <class 'pandas.core.frame.DataFrame'>
12 RangeIndex: 78013 entries, 0 to 78012
13 Data columns (total 2 columns):
14  #   Column  Non-Null Count  Dtype
15 ---  ------  --------------  -----
16  0   ds      78013 non-null  datetime64[ns]
17  1   y       78012 non-null  float64
18 dtypes: datetime64[ns](1), float64(1)
19 memory usage: 1.2 MB
20 18:49:05 - cmdstanpy - INFO - Chain [1] start
   processing
21 18:49:14 - cmdstanpy - INFO - Chain [1] done
   processing
22                 ds        yhat   yhat_lower   yhat_upper
23 0     2013-04-01  164.549768   -58.054170   389.654227
24 1     2013-04-02  165.220917   -63.803248   404.472966
25 2     2013-04-03  164.287121   -60.699271   407.756330
26 3     2013-04-04  163.580037   -82.522523   391.295295
27 4     2013-04-05  163.037462   -79.954701   396.958630
28 ...          ...         ...          ...          ...
29 4347  2025-02-25   85.188611  -126.864368   329.000082
30 4348  2025-02-26   85.319664  -178.600726   310.330551
31 4349  2025-02-27   85.505401  -168.315866   326.579456
32 4350  2025-02-28   85.639161  -160.100284   327.322618
33 4351  2025-03-01   85.829857  -146.872836   315.737256
34
35 [4352 rows x 4 columns]
36   0%|            | 0/26 [00:00<?, ?it/s]18:49:16 -
   cmdstanpy - INFO - Chain [1] start processing
```

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37 18:49:17 - cmdstanpy - INFO - Chain [1] done
   processing
38   4%|█            | 1/26 [00:02<00:53,  2.14s/it]18:49
   :18 - cmdstanpy - INFO - Chain [1] start processing
39 18:49:19 - cmdstanpy - INFO - Chain [1] done
   processing
40   8%|█            | 2/26 [00:04<00:52,  2.18s/it]18:49
   :21 - cmdstanpy - INFO - Chain [1] start processing
41 18:49:21 - cmdstanpy - INFO - Chain [1] done
   processing
42  12%|█            | 3/26 [00:06<00:50,  2.21s/it]18:49
   :23 - cmdstanpy - INFO - Chain [1] start processing
43 18:49:24 - cmdstanpy - INFO - Chain [1] done
   processing
44  15%|█            | 4/26 [00:08<00:49,  2.26s/it]18:49
   :25 - cmdstanpy - INFO - Chain [1] start processing
45 18:49:26 - cmdstanpy - INFO - Chain [1] done
   processing
46  19%|██           | 5/26 [00:11<00:48,  2.31s/it]18:49
   :28 - cmdstanpy - INFO - Chain [1] start processing
47 18:49:28 - cmdstanpy - INFO - Chain [1] done
   processing
48  23%|██           | 6/26 [00:13<00:47,  2.36s/it]18:49
   :30 - cmdstanpy - INFO - Chain [1] start processing
49 18:49:31 - cmdstanpy - INFO - Chain [1] done
   processing
50  27%|██           | 7/26 [00:16<00:45,  2.39s/it]18:49
   :33 - cmdstanpy - INFO - Chain [1] start processing
51 18:49:34 - cmdstanpy - INFO - Chain [1] done
   processing
52  31%|███          | 8/26 [00:18<00:44,  2.48s/it]18:49
   :35 - cmdstanpy - INFO - Chain [1] start processing
53 18:49:36 - cmdstanpy - INFO - Chain [1] done
   processing
54  35%|███          | 9/26 [00:21<00:43,  2.53s/it]18:49
   :38 - cmdstanpy - INFO - Chain [1] start processing
55 18:49:39 - cmdstanpy - INFO - Chain [1] done
   processing
56  38%|███          | 10/26 [00:24<00:42,  2.65s/it]18:
   49:41 - cmdstanpy - INFO - Chain [1] start
   processing
```

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57 18:49:42 - cmdstanpy - INFO - Chain [1] done
   processing
58  42%|████        | 11/26 [00:27<00:41,  2.74s/it]18:
   49:44 - cmdstanpy - INFO - Chain [1] start
   processing
59 18:49:45 - cmdstanpy - INFO - Chain [1] done
   processing
60  46%|████        | 12/26 [00:30<00:40,  2.88s/it]18:
   49:47 - cmdstanpy - INFO - Chain [1] start
   processing
61 18:49:49 - cmdstanpy - INFO - Chain [1] done
   processing
62  50%|█████       | 13/26 [00:34<00:41,  3.20s/it]18:
   49:51 - cmdstanpy - INFO - Chain [1] start
   processing
63 18:49:52 - cmdstanpy - INFO - Chain [1] done
   processing
64  54%|█████       | 14/26 [00:38<00:40,  3.34s/it]18:
   49:55 - cmdstanpy - INFO - Chain [1] start
   processing
65 18:49:57 - cmdstanpy - INFO - Chain [1] done
   processing
66  58%|█████       | 15/26 [00:42<00:40,  3.66s/it]18:
   49:59 - cmdstanpy - INFO - Chain [1] start
   processing
67 18:50:02 - cmdstanpy - INFO - Chain [1] done
   processing
68  62%|██████      | 16/26 [00:47<00:41,  4.16s/it]18:
   50:05 - cmdstanpy - INFO - Chain [1] start
   processing
69 18:50:07 - cmdstanpy - INFO - Chain [1] done
   processing
70  65%|██████      | 17/26 [00:53<00:41,  4.57s/it]18:
   50:10 - cmdstanpy - INFO - Chain [1] start
   processing
71 18:50:14 - cmdstanpy - INFO - Chain [1] done
   processing
72  69%|███████     | 18/26 [01:00<00:41,  5.19s/it]18:
   50:17 - cmdstanpy - INFO - Chain [1] start
   processing
73 18:50:20 - cmdstanpy - INFO - Chain [1] done
```

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73 processing
74  73%|███████      | 19/26 [01:06<00:38,  5.45s/it]18:
   50:23 - cmdstanpy - INFO - Chain [1] start
   processing
75 18:50:26 - cmdstanpy - INFO - Chain [1] done
   processing
76  77%|████████     | 20/26 [01:12<00:34,  5.69s/it]18:
   50:30 - cmdstanpy - INFO - Chain [1] start
   processing
77 18:50:34 - cmdstanpy - INFO - Chain [1] done
   processing
78  81%|████████     | 21/26 [01:20<00:32,  6.52s/it]18:
   50:38 - cmdstanpy - INFO - Chain [1] start
   processing
79 18:50:43 - cmdstanpy - INFO - Chain [1] done
   processing
80  85%|█████████    | 22/26 [01:29<00:28,  7.04s/it]18:
   50:47 - cmdstanpy - INFO - Chain [1] start
   processing
81 18:50:52 - cmdstanpy - INFO - Chain [1] done
   processing
82  88%|█████████    | 23/26 [01:38<00:23,  7.79s/it]18:
   50:56 - cmdstanpy - INFO - Chain [1] start
   processing
83 18:51:01 - cmdstanpy - INFO - Chain [1] done
   processing
84  92%|██████████   | 24/26 [01:47<00:16,  8.01s/it]18:
   51:05 - cmdstanpy - INFO - Chain [1] start
   processing
85 18:51:10 - cmdstanpy - INFO - Chain [1] done
   processing
86  96%|██████████   | 25/26 [01:56<00:08,  8.26s/it]18:
   51:14 - cmdstanpy - INFO - Chain [1] start
   processing
87 18:51:18 - cmdstanpy - INFO - Chain [1] done
   processing
88 100%|███████████| 26/26 [02:03<00:00,  4.76s/it]
89           ds         yhat  yhat_lower  yhat_upper
        y      cutoff
90 0 2016-03-29  172.018195  -83.530771  411.504818
   850.0 2016-03-28
```

```
 91 1 2016-03-29  172.018195  -92.730538  412.050772
    140.0 2016-03-28
 92 2 2016-03-29  172.018195  -68.479495  425.983495
    270.0 2016-03-28
 93 3 2016-03-29  172.018195  -84.249040  421.759276
    125.0 2016-03-28
 94 4 2016-03-29  172.018195  -73.322857  440.012326
      12.0 2016-03-28
 95   horizon             mse        rmse          mae
        mdape       smape  coverage
 96 0 76 days  33529.443415  183.110468  110.064725  0
    .940829  1.065033  0.939156
 97 1 77 days  33544.020834  183.150268  110.096883  0
    .943262  1.066136  0.939172
 98 2 78 days  33558.841468  183.190724  110.129288  0
    .944591  1.067277  0.939188
 99 3 79 days  33572.952955  183.229236  110.162020  0
    .947431  1.068511  0.939206
100 4 80 days  33586.936452  183.267391  110.192433  0
    .949583  1.069683  0.939224
101
102 Process finished with exit code 0
103
```