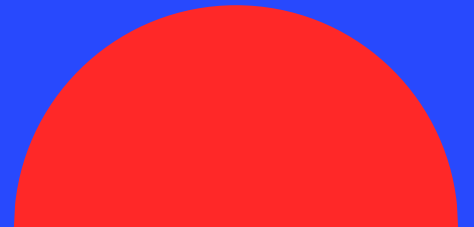
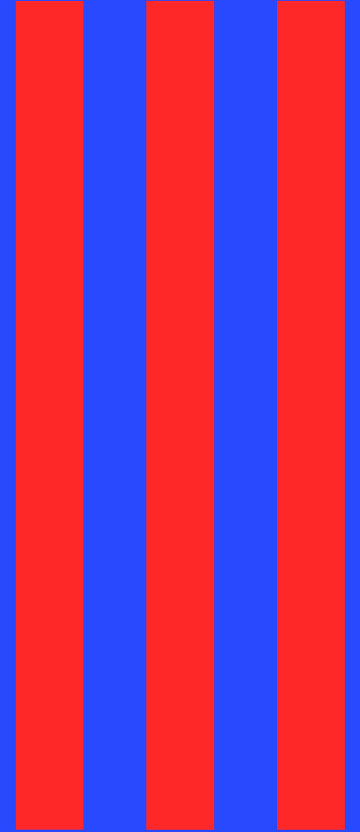
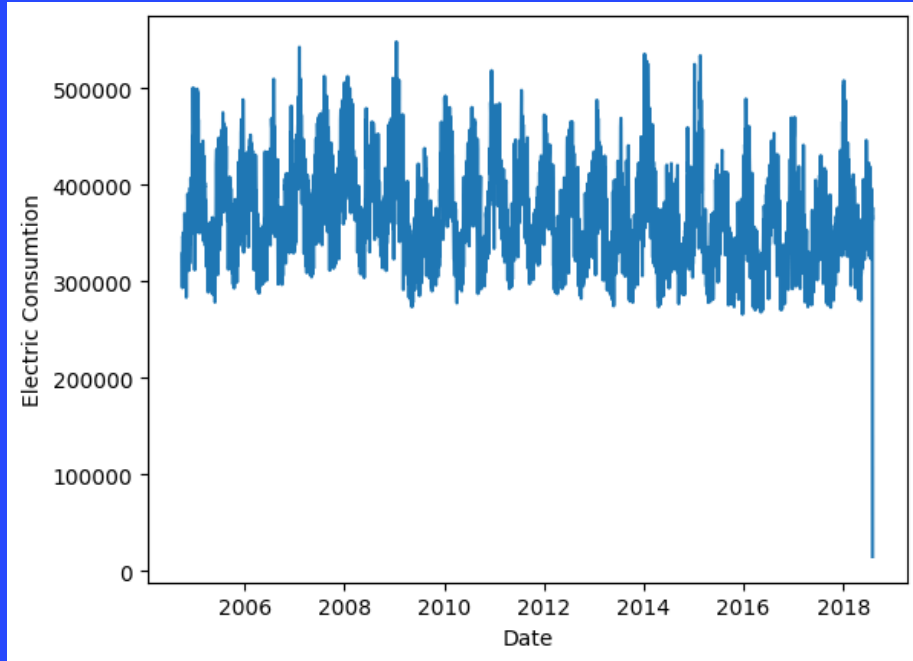


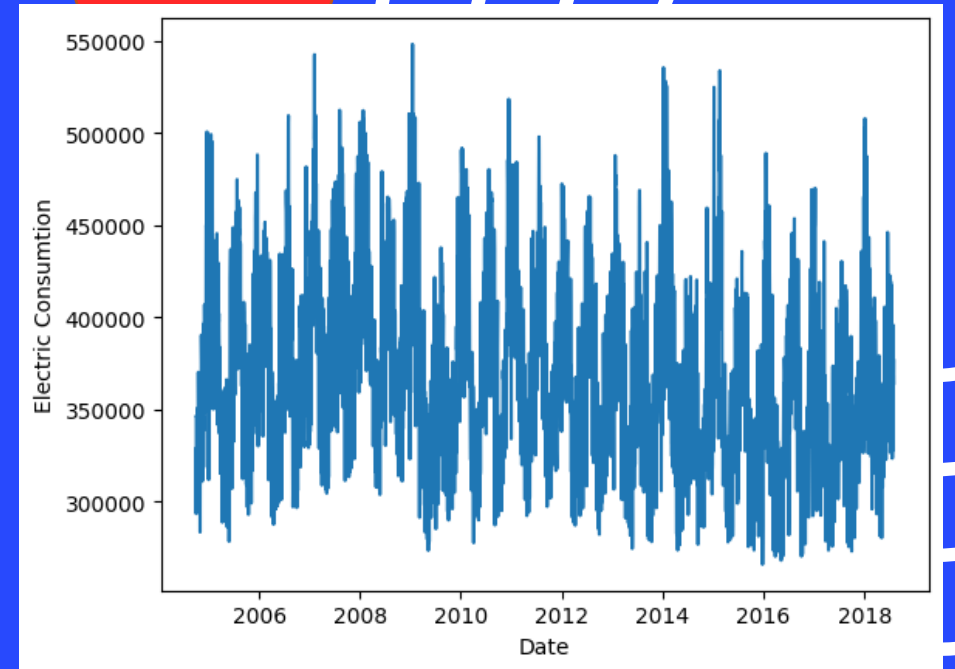
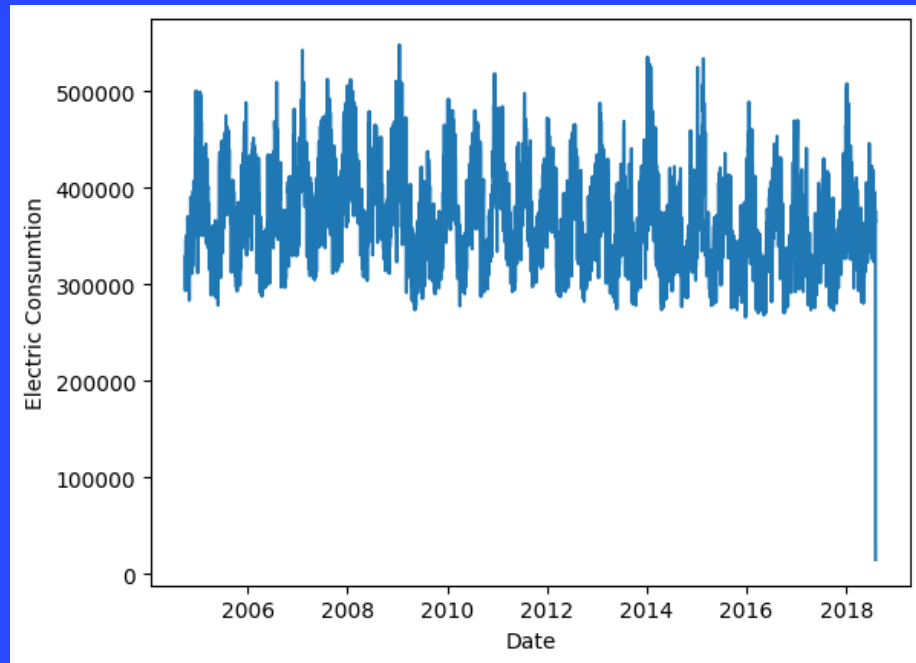
AEP
2004-2018



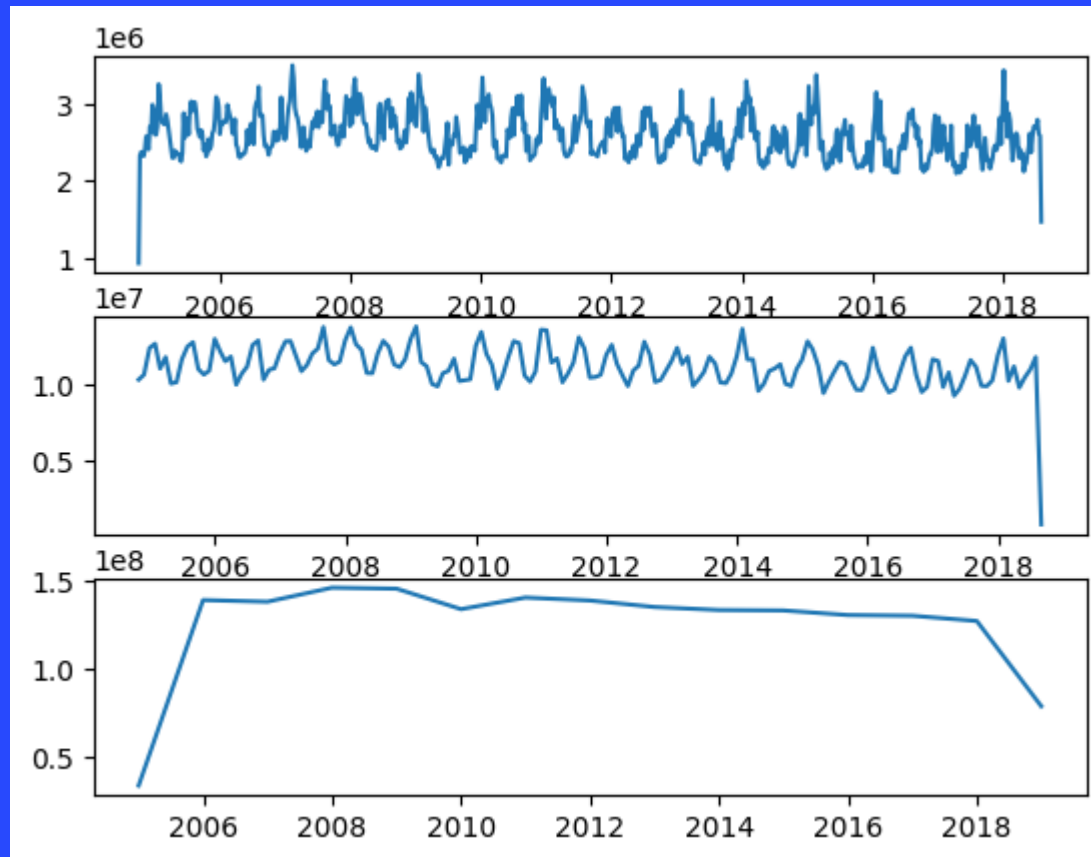
DATA



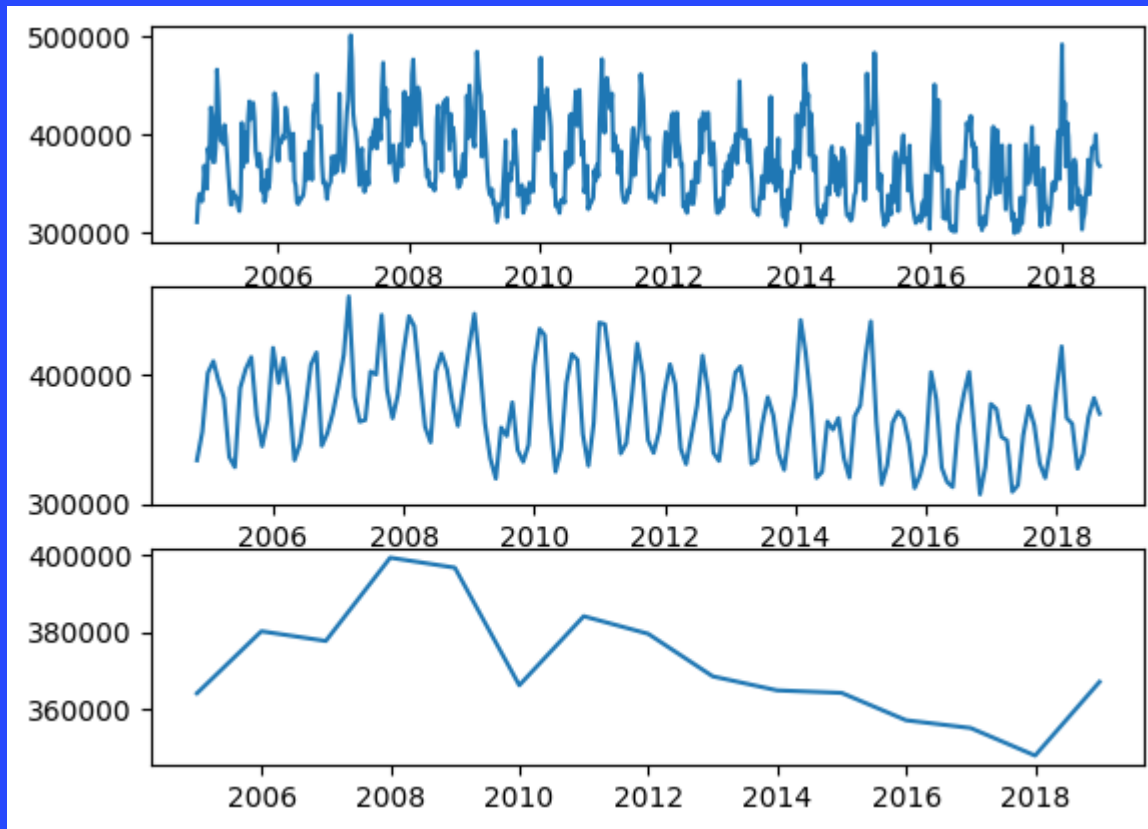
DATA



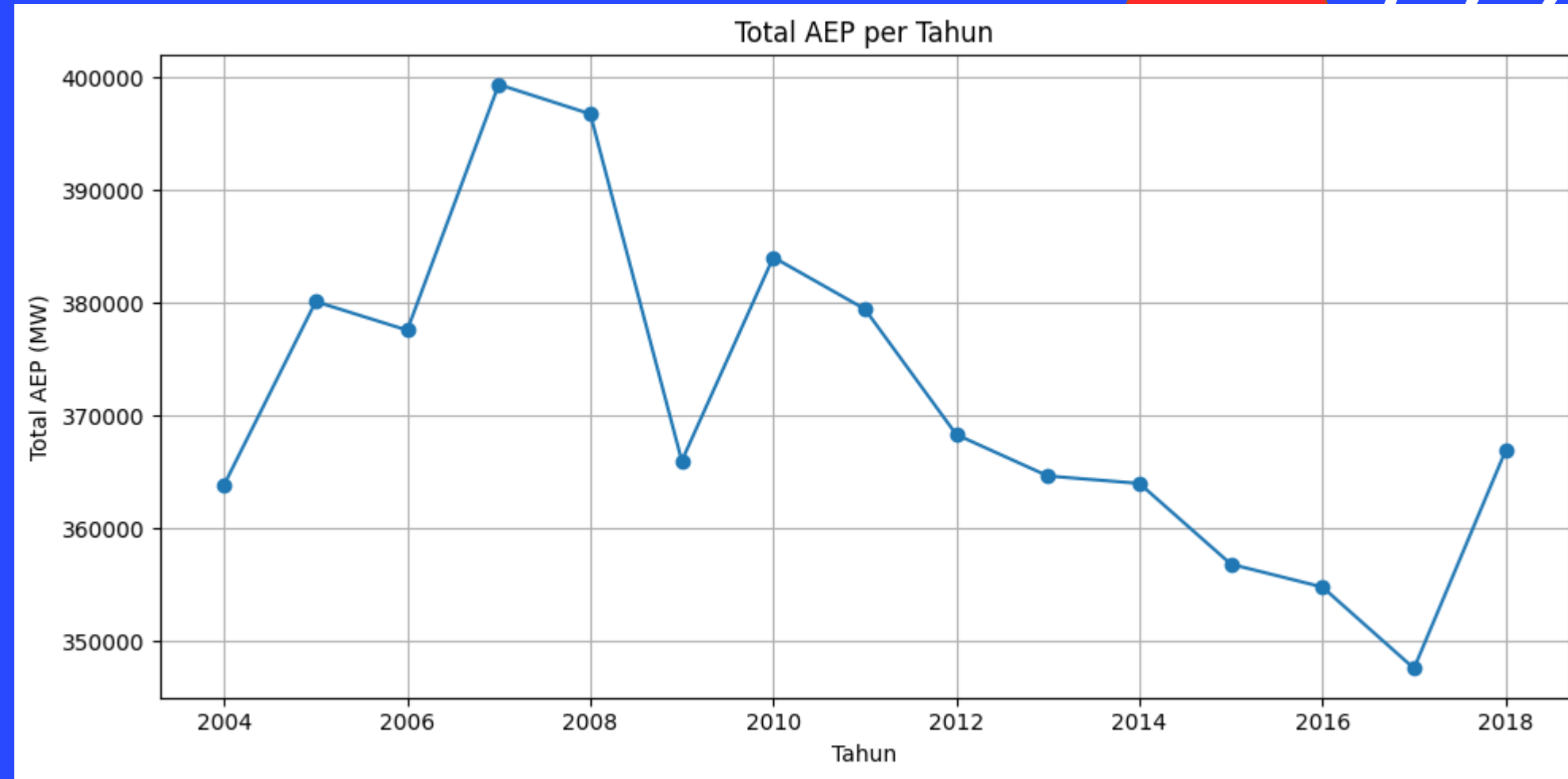
DATA



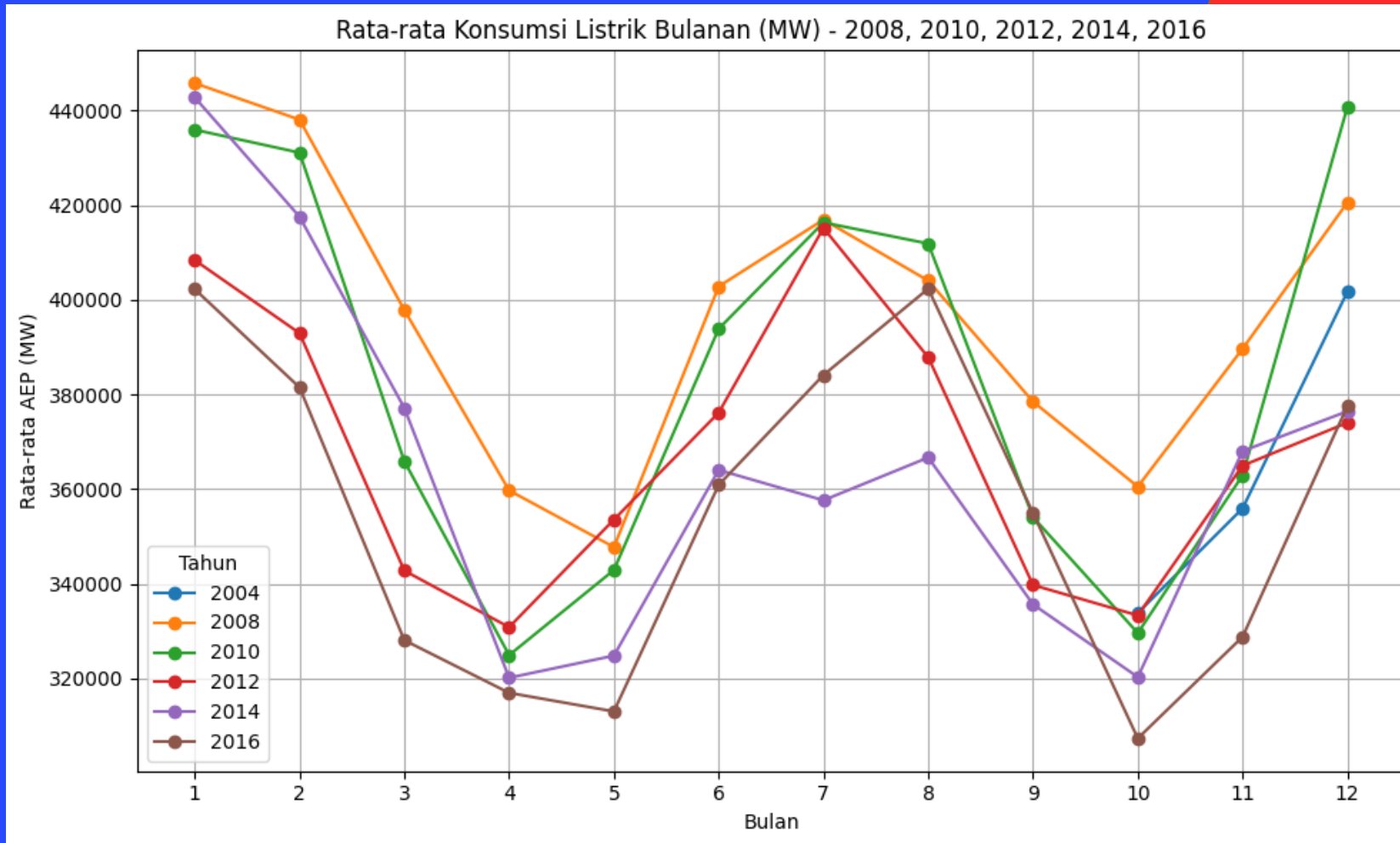
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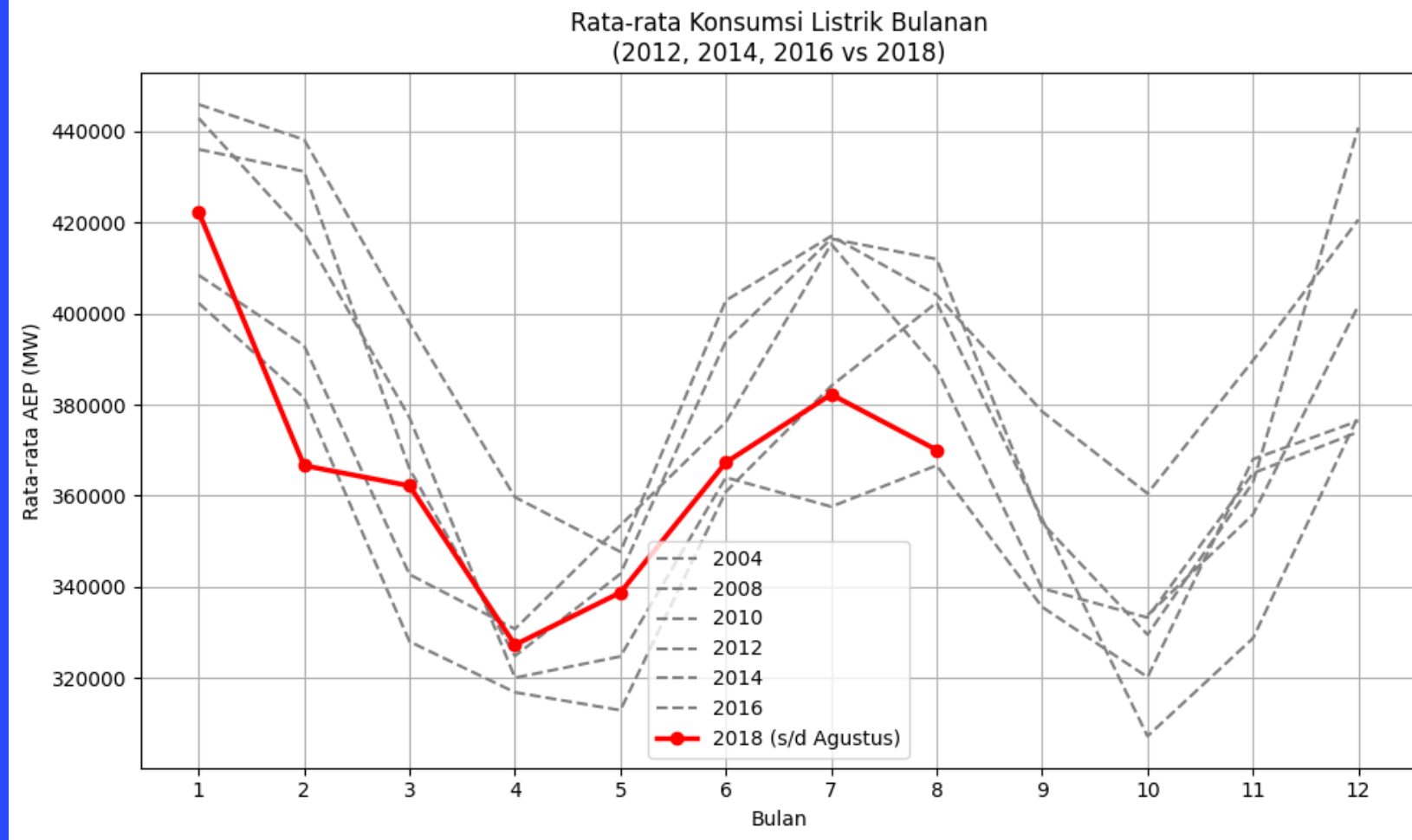
DATA 2018



DATA RECAP



DATA RECAP



Train & Test Dataset

Train:

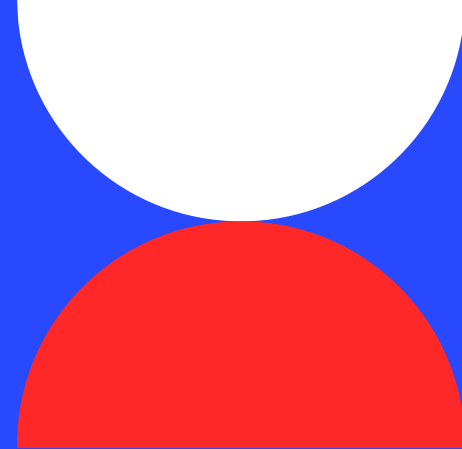
2004-01-01

2017-12-31

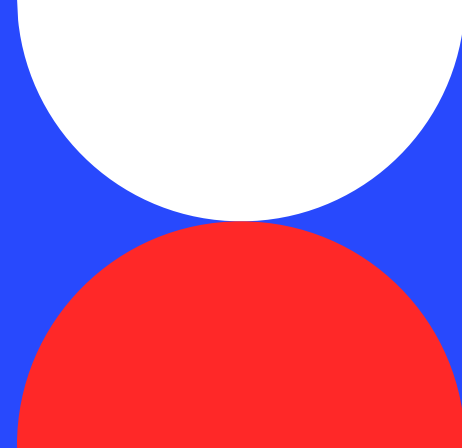
Test:

2018-01-01

2018-08-03



Train & Test Dataset



Train:

2004-01-01

2017-12-31

Test:

2018-01-01

2018-08-03

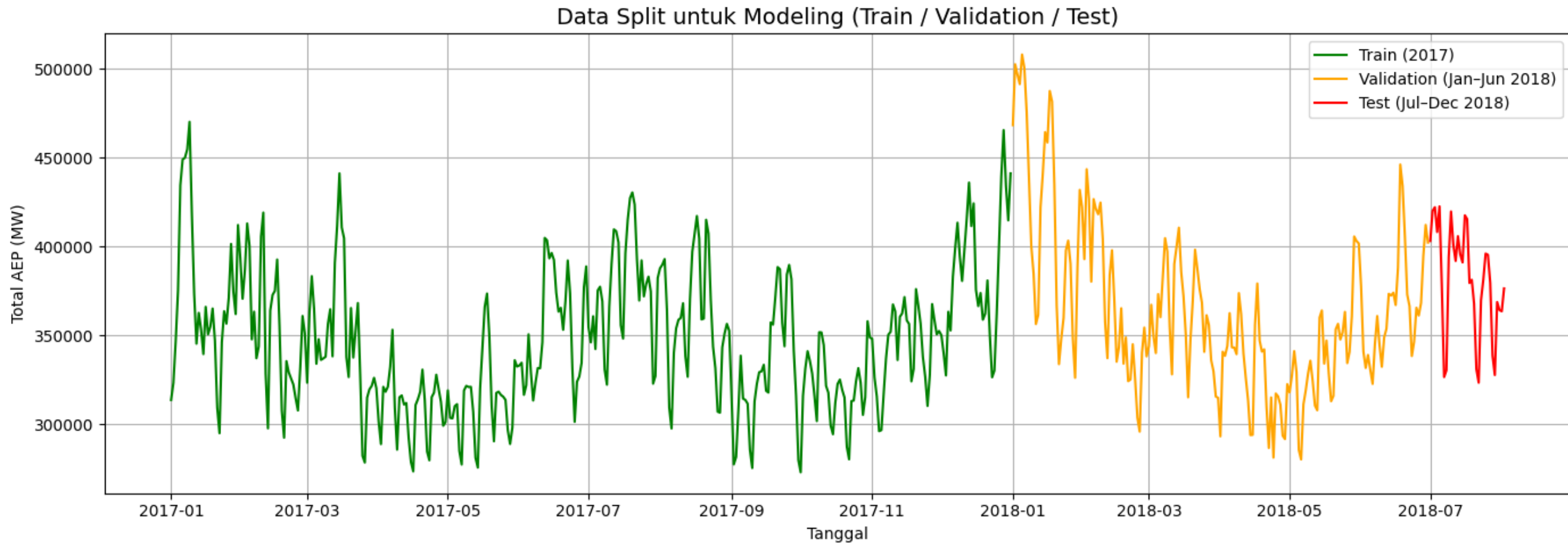
Validation:

2018-08-04

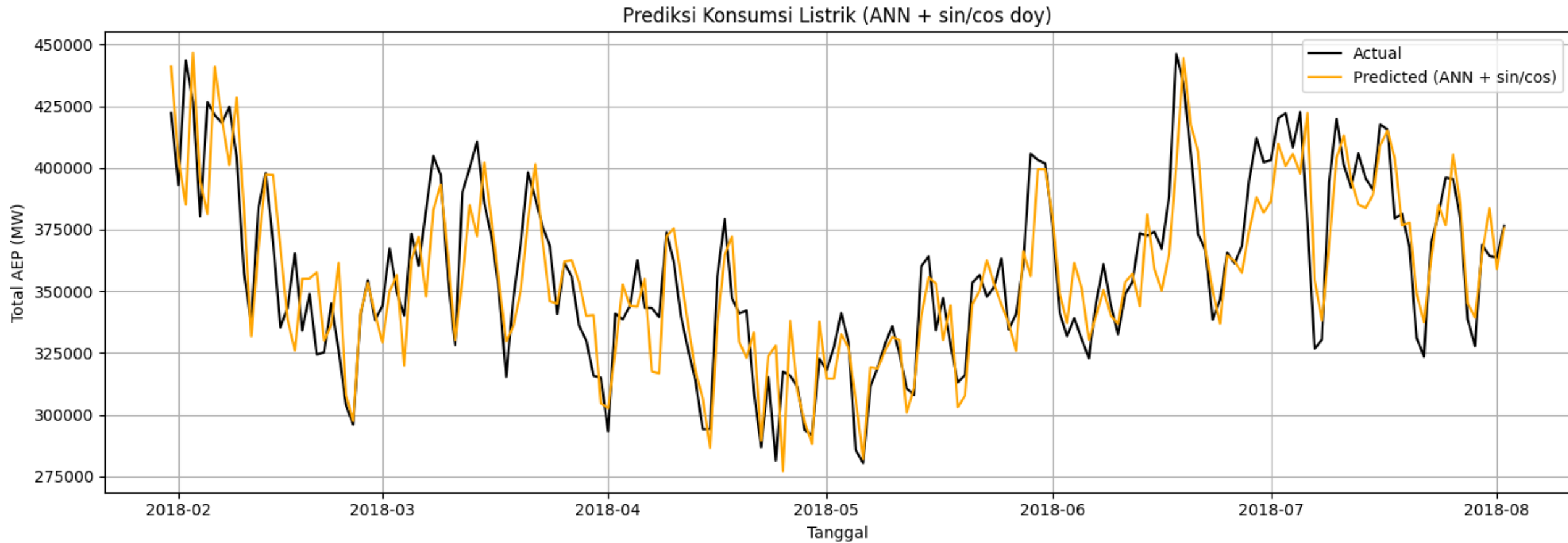
2018-12-31



Train & Test Dataset

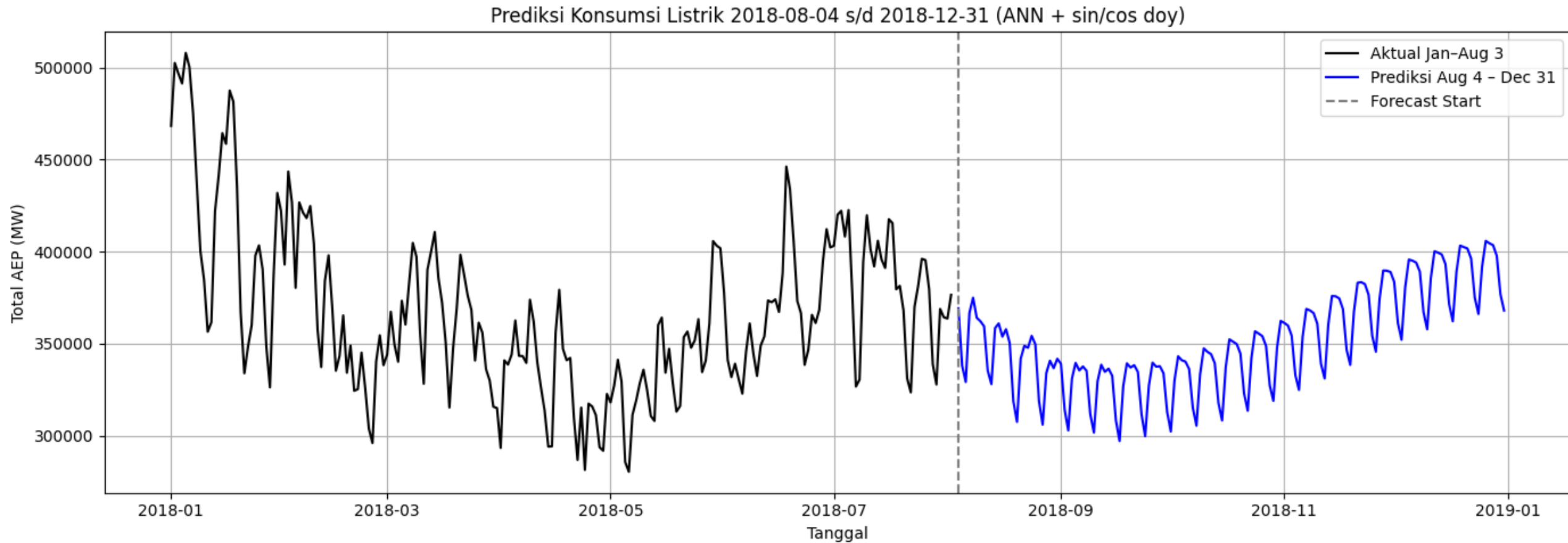


ANN



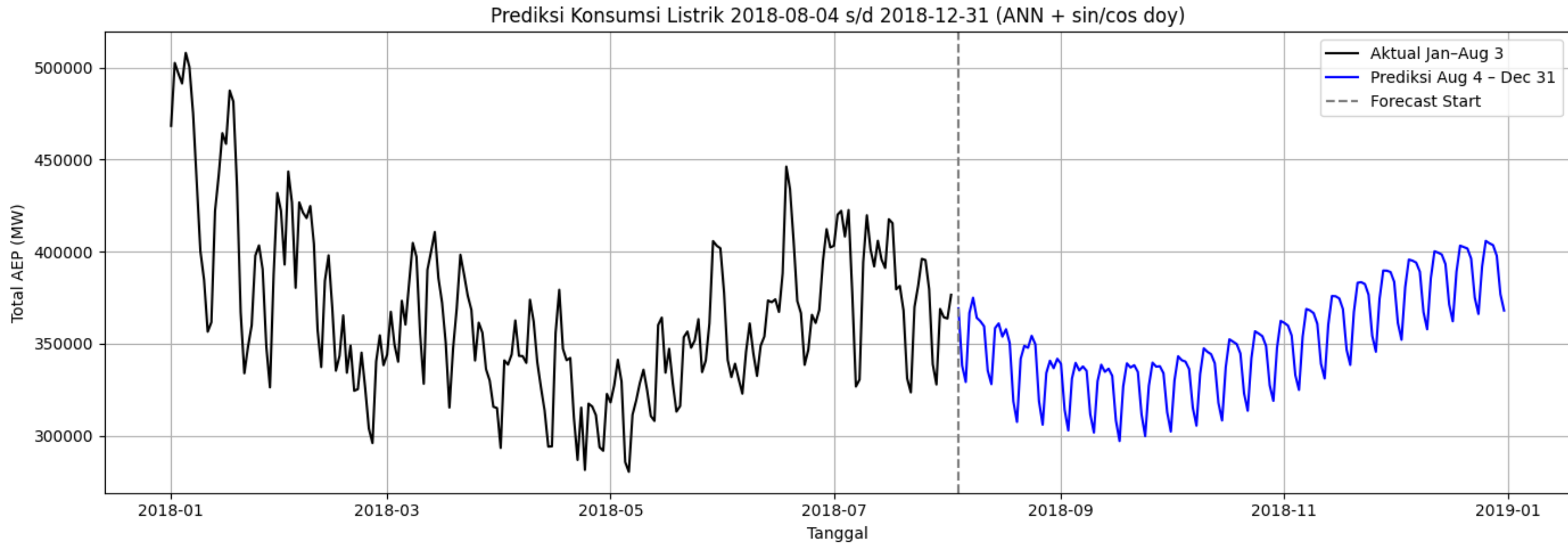
RMSE: 17643.53
Relative RMSE: 4.93%
MAPE: 3.79%

ANN



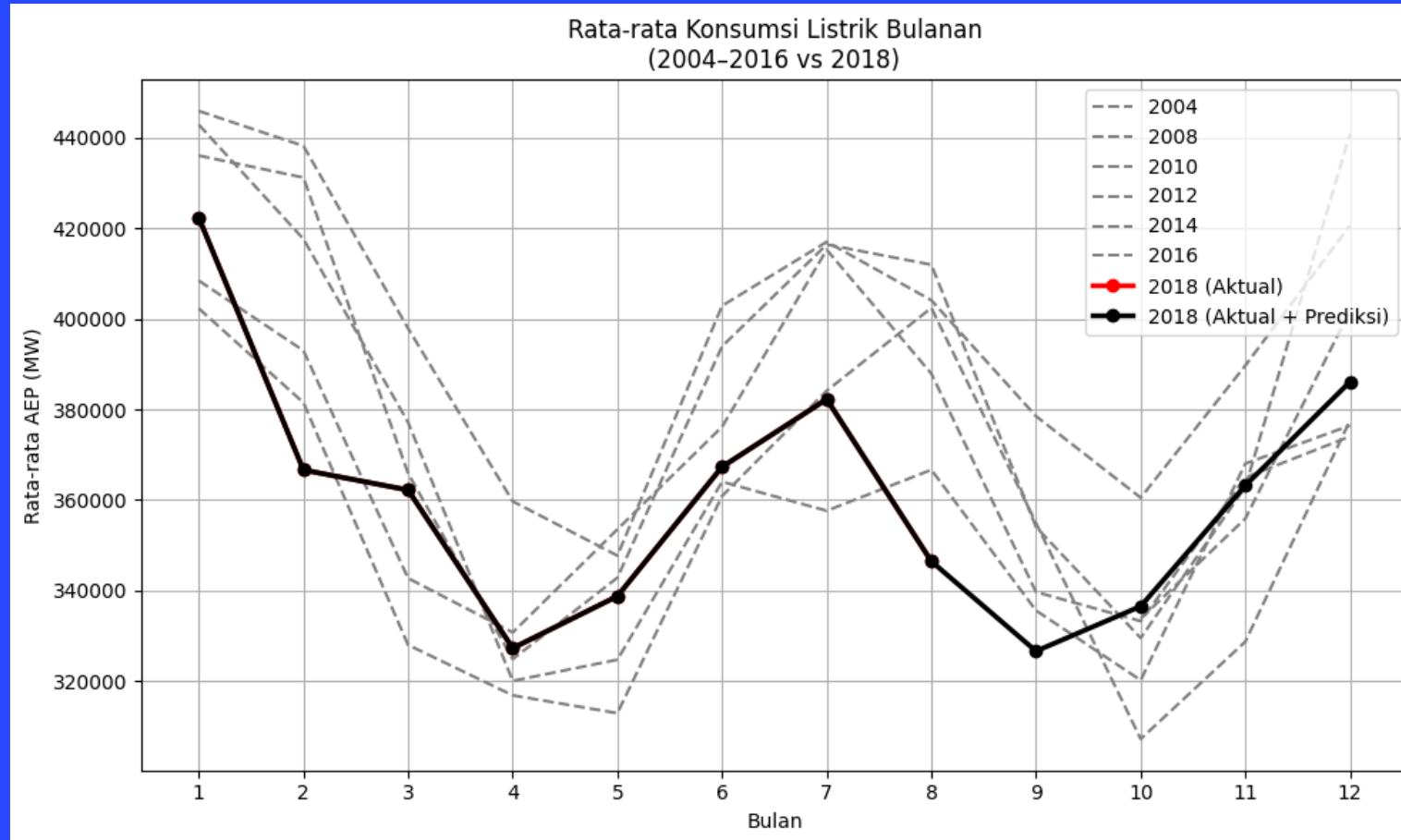
RMSE: 17643.53
Relative RMSE: 4.93%
MAPE: 3.79%

ANN

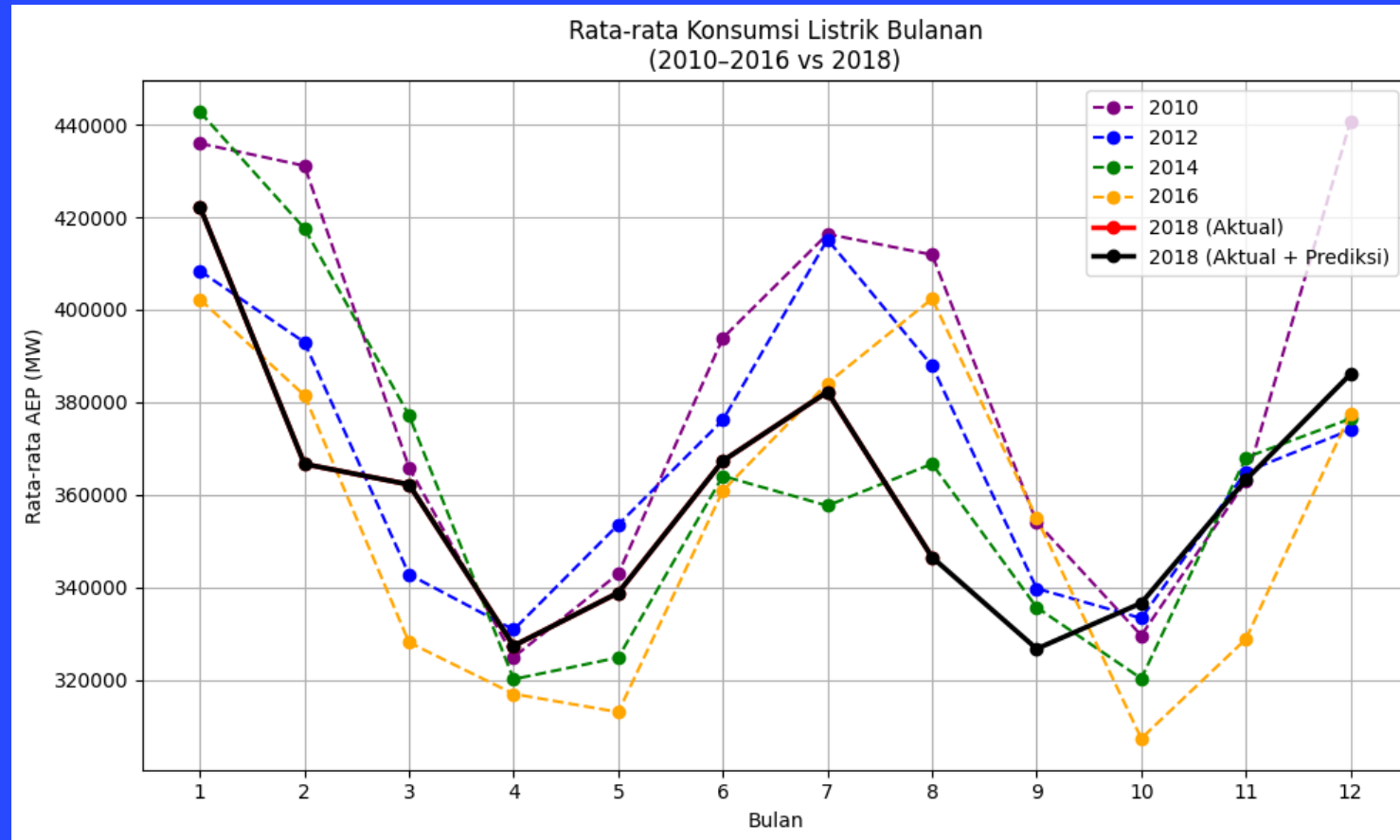


RMSE: 17643.53
Relative RMSE: 4.93%
MAPE: 3.79%

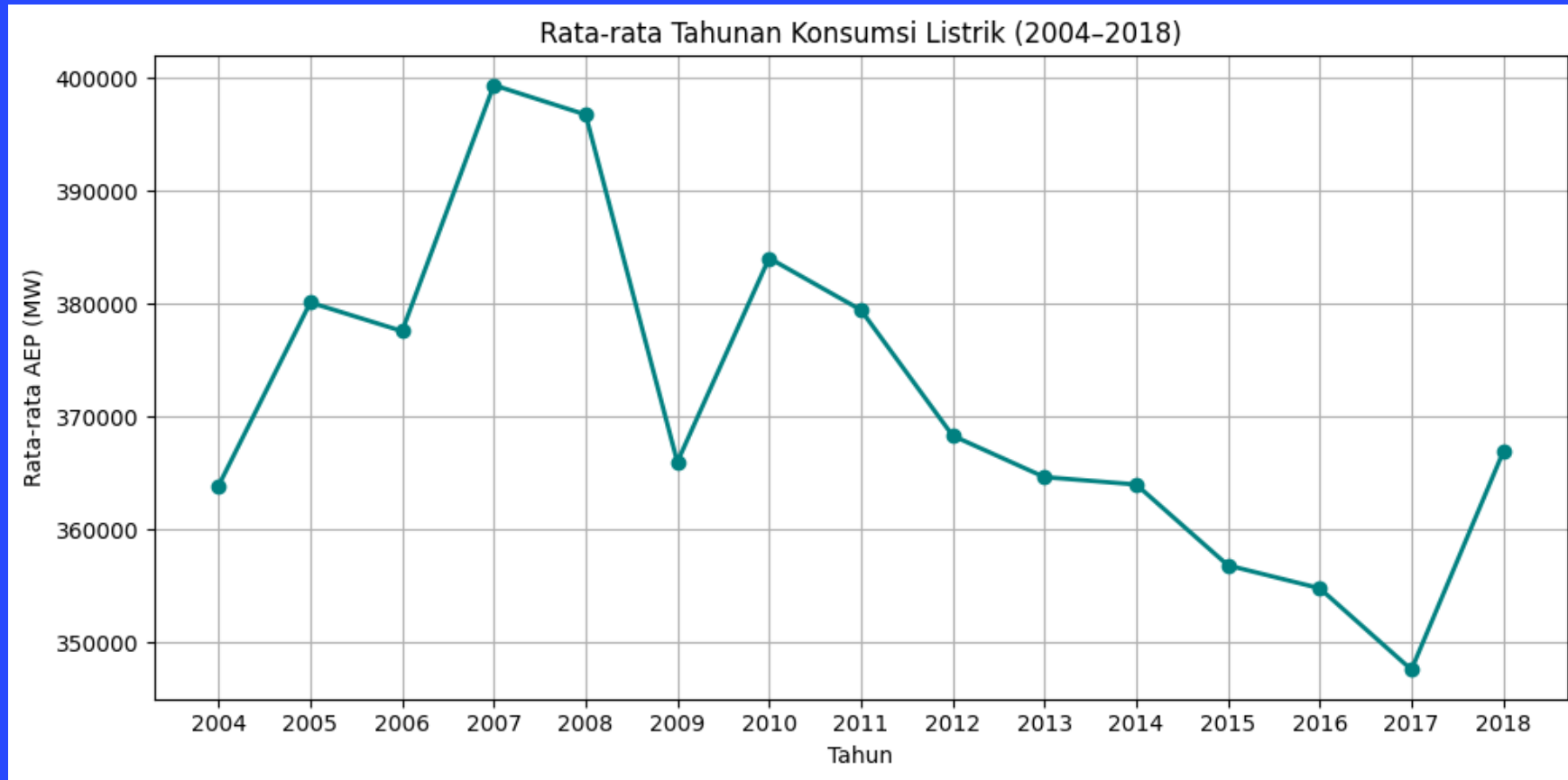
DATA PREDICTION



DATA PREDICTION



DATA PREDICTION



KEY POINTS:

- 1. Improve Load Forecasting in Q4**
- 2. Seasonal Demand Management Program**
- 3. Optimize Maintenance Scheduling**
- 4. Early Marketing for Winter Preparedness**
- 5. Monitor for Structural Trend Changes**

Thank you

