

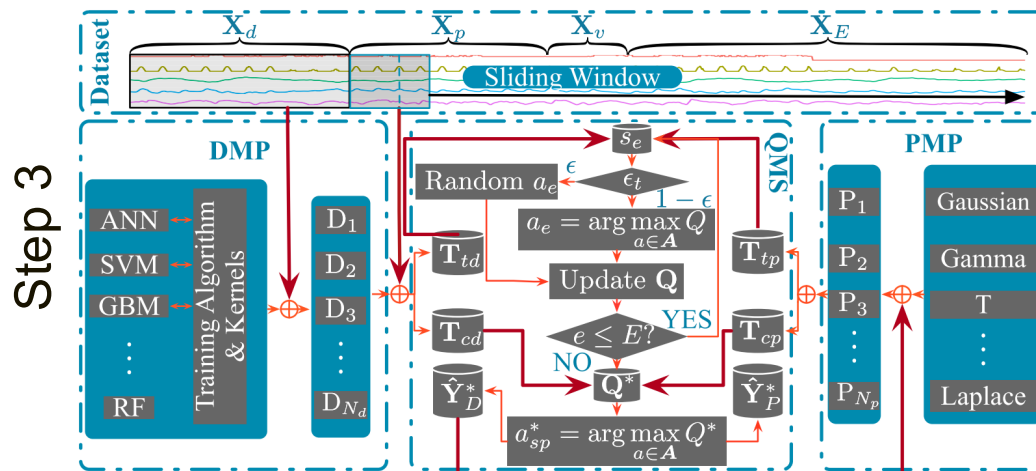
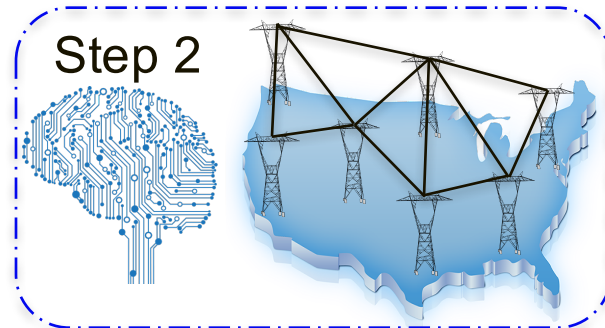
Reinforced Hierarchical Probabilistic Net Load Forecasting based on Dynamic Multi-model Machine Learning

ALTITUDE GRID

Summary

- The project team will leverage a developed platform to provide accurate net load forecasting based on dynamic models from different AI algorithms for future power systems modeling, design, and optimization
- The output can provide decision guidance for **transmission and distribution** planners and operation engineers. Our approach to addressing these issues is a universal novel solution to utilities facing similar problems.

Technology



Key Personnel/Organizations



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Impact

Probabilistic net load forecasting using reinforcement learning can improve the accuracy of predictions and lead to better decision making in the management of power systems. It can also help to optimize the operation of power plants and reduce the costs associated with power generation and distribution.