UCONN SCHOOL OF ENGINEERING

A New Era In Outage Modeling: Towards Ensemble Multi-Model Outage Prediction

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Abstract: Severe weather events create power outages affecting human activities and the society. Prediction of outages and forecast divulgation to the interested utilities and population is basic for a correct emergency management. The UCONN OPM is the tool developed for fulfilling this need and for improving outage prediction performances. The model is going towards multi-weather and multi-statistical model forecasts for the Eversource Energy power grid, and the experience acquired in outage prediction for Connecticut is applied for creating an outage model for the New Hampshire territory.

Introduction



Figure 2: Outage Prediction Model architecture.

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