

PROPOSED SOLUTION:

Our approach was to use a time series forecasting model that would generate point forecasts of wind generation for the upcoming three days, for a wind turbine. We used publicly available historical weather data of a wind plant to train model and learn the changing weather patterns. We also used it to find the correlations among different weather attributes and their effect on energy output.

We have used a VAR (Vector Autoregressive) model, a multivariate time-series model to handle multiple time series of different weather attributes. We have presented our results in an Android application in user-friendly graphs and tables.