Analytics Training for Power Utilities Sector

SEVEN BOATS
ACADEMY

Key Focus Areas

- Achieving proficiency analytical tool such as Excel, R, Python
- Enhancing capabilities of creating effective visuals for reporting
- Understanding concepts of the complex statistical algorithms and machine learning techniques
- Identifying the applications of the data science algorithms in Power Utilities to generate insights for data driven decisions
- Learning the implementation / execution of the data science algorithms through the analytical tools such as R, Python and interpretation of the output

Course Structure

Topic	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Analytical Tool Hands On –																
MS Excel, R, Python																
Trend Analysis, Business																
Intelligence Reporting																
Basic Concepts of Statics																
Linear Regression																
(applicable for Prediction of																
Load Pattern, CAPEX,																
Revenue Budget)																
Logistic Regression																
(applicable for Fault																
Prediction, Fraud Customer																
Prediction)																
Decision Tree (applicable																
for Fault Prediction, Fraud																
Customer Prediction)																
Time Series Forecasting																
(applicable for Prediction of																
Load Pattern, CAPEX,																
Revenue Budget)																
Survival Analysis (applicable Fault Prediction,																
Predictive Asset																
Maintenance)																
Revision / Doubt Clearing																
revision / Doubt Cleaning																