

Hackathon

1. Data Understanding
 1. Checked shape of all the three dataset that was provided, out of them only the test dataset had "nan" values , so imputed them with their respective column's mean value
2. Data Preparation
 1. Converted all the columns with their respective integer value one by one manually with custom function.
 2. Then scaled them with MinMaxScaler, so the model can avoid any biases
3. Modelling
 1. After trying with various models, finally stucked with DecisionTreeRegressor
4. Optimization
 1. Did Model based Feature selection with ExtraTreesRegressor
 2. Optimized with GridSearchCV
5. Again Modelling
 1. Modelled again after getting best params