1. Import the Required Packages
2. Read the data
3. Clean the data
4. Missing Values, Outliers, Impossible Values, Data entry errors, etc…
5. Data preparation steps
6. Creating dummies, one-hot, Label encoders
7. Converting your data to numeric
8. Feature engineering
9. Missing value imputation
10. Separate X and y
11. Split the data set into train and test
12. Build the Base model
13. Find the residuals
14. Plot the residuals
15. Check the assumptions
16. If assumptions are not meeting, perform the transformations, DRT, Dropping some Features
17. Once again build the model
18. Check the model tuning (Ockham’s Razor rule)
19. After selecting the optimal features, Build the model once again
20. We need to perform Hyper parameter tuning
21. No.of .iterations, No.of jobs, No.of Initializations, CV etc…
22. We need to perform the regularization to make sure that the model becomes generalizable.
23. Fix the model
24. Perform Validation and Testing
25. Deploy the model
26. Fine tune the model
27. Even after fine tuning, if the model not performing well, go to the next model.