

Feature Selection

Exploratory Data Analysis Summary

Throughout these four lectures on Exploratory Data Analysis (EDA), you have acquired a strong foundation in the following areas:

Data Understanding

Descriptive Statistics

Exploring Data using **Visual Techniques**

Analyzing and Removing Outliers

Analyzing and Treating Missing Values (minimum, maximum, mean, and MICE)

Data Transformation techniques (Splitting, Merging, Filtering, and Grouping)

Feature Scaling methods (Normalization and Standardization)

Feature Encoding techniques (Binary, Label, and One-Hot encoding)

Feature Selection approaches (Missing Value Ratio, Low Variance, High Correlation, Forward Selection, and Backward Selection)

Feature Creation methodologies

You all have learned these above steps which bring us to the end of **EDA & Data Preparation**. Now that your data is ready! You are all set to feed this data into various Models and step towards Predictive Analytics, to predict Item Outlet Sales with any change in Product Properties which is our primary problem statement.

So, see you all in the next lecture series, where we will learn what is **Predictive Analytics**, what are various types, which model suits our use case, how to select the best model for our problem statement, and how to measure/enhance the accuracy of your model."