SESSION PLAN	
Session Name	EDA & Data Preprocessing
Learning Outcomes	
● Detect and treat missing values, skewness, and outliers in data ● Normalize and aggregate data ● Encode categorical variables for applying models ● Explore univariate and multivariate data to get insights	
Prerequisites for the Student ● Go through the concept and solve the tasks and assessments.	
Student Activities	

● Discussion with Mentor what they have learned.
● Overview of EDA and Data Preprocessing
  • Data Cleaning - Outlier Detection, Handling of Outliers, Detecting missing data, handling missing data
  • Data Transformation - Transforming skewed data, standardization and normalization, encoding categorical variables.
● Good video on Standard Scaling- https://www.youtube.com/watch?v=4zX-iBDRn38
● Good Blog on Outlier removal - https://towardsdatascience.com/ways-to-detect-and-remove-the-outliers-404d16608dba
● Code Along
● Questions and Discussion on doubts - AMA	

Next Session	

● Concept - Logistic Regression (30 min)
● Key topics to be highlighted - highlight where they would need to spend more time and importance w.r.t Data Science.
  ○ Difference between Linear and Logistic Regression
  ○ Sigmoid function
  ○ Cost function with gradient descent
  ○ Evaluation metrics	