

SUMMARY

For moving forward with the data we followed below steps

1. Load the data and understand its structure.
2. Summarize the data to get basic statistics.
3. Identify missing values and handle them.
4. Analyze categorical and numerical features.
5. Visualize the data to identify patterns and relationships.

For model building and evaluation using the same dataset, we'll follow these steps:

1. Preprocessing: Impute missing values and encode categorical variables.
2. Splitting Data: Use `train_test_split` to divide data.
3. Model Training: Train a logistic regression model.
4. Evaluation: Use metrics like accuracy, precision, recall, F1 score, and confusion matrix to evaluate the model.