

Step 1: Check the structure of the dataset. In this step you will also need to check for incorrect and null values. Impute the missing values through mean for that column. Don't focus on outliers right now, just focus on making the data ready for EDA.

Step 2: EDA, for this you need to answer the following questions. Use the best visual for each of the following questions.

1. Height and Weight Distribution
2. Top 10 Ages with Highest Weight
3. Distribution of CAEC values
4. Average Ages with Family History with Overweight
5. Correlation matrix

Step 3: Data Preprocessing: Carefully, apply label encoding to categorical columns and standard scalar to continuous columns. Apply one-hot encoding to only those columns which need it. Split the data set after this, you can use any train test split.

Step 4: You have to choose the best algorithm to predict the 'NObeyesdad' column. Please see whether this is a regression or classification problem and choose the algorithms accordingly.

Step 5: At the end you just need to give me the name of the algorithm that works best along with its classification report and confusion matrix.