

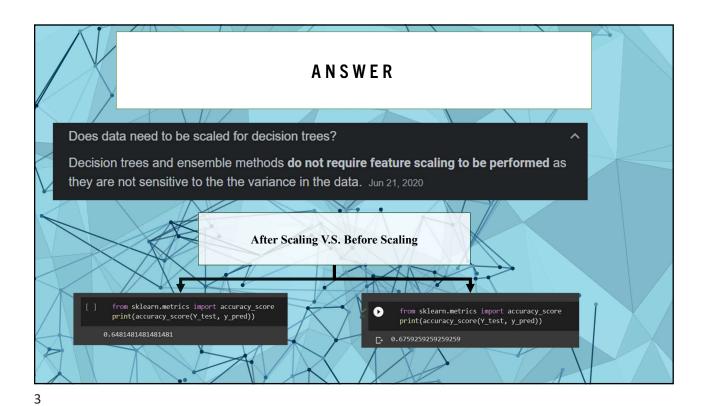
DATA PRE-PROCESSING

Check for the missing values or null values.

Encoding the Categorical Variables using
OneHotencoding & Label Encoding

Time\_st\_pup\_balance\_Ser\_J\_Ser\_J\_Ber\_J\_Ser\_J\_Ser\_J\_Ser\_J\_Ber\_J\_S

2



GINI VS ENTROPY · Gini impurity, calculates the amount Entropy is the measurement of the of probability of a specific feature impurity or randomness in the data that is classified incorrectly when points. selected randomly. Entropy is calculated between 0 and 1 Gini Index is calculated between 0 Computationally, entropy is more and 0.5 complex since it makes use of · While, the calculation of the Gini logarithms Index is faster. Entropy= $\sum_{i=1}^{n} p_i * Log_2(p_i)$ Gini Index =  $1 - \sum_{i=1}^{n} (P_i)^2$ Here "p" denotes the probability that it is a function of entropy. Gini Index Formula

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