Feature Engineering Encoding

Nominal Encoding-
  1. One Hot Encoding
  2. OHE with multicategoricual variables
  3. Mean Encoding

Ordinal Encoding:-
  1. Label Encoding
  2. Target guided ordinal encoding

  1. One Hot Encoding:-

No of new columns of dummy variable= No. Od different categories of variable - 1
Pd.get_dummies()
This is also called dummy variable trap
Difficult for increasing number of categories - curse of dimensionality

  2. Label Encoding

BE-1
MAS-3
PHD-1
Stats-2

LabelEncoderLibrary in the scaler and only applied to Ordinal variables

  3. OHE with multiple CATEGORIES
  4. Only columns of most frequent categories of variable

  4. Target guided ordinal encoding(only for ordinal variables)
According target mean of the category based on target output, now assign the rank according to the mean value

We keep output in mind

  4. Mean encoding(Nominal variables)

Convert the category to nominal value by its mean based on our output column

Is learning better networks as easy as stacking more layers?