

Question
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- Pattern in Credit Score :

Splitting on 650 perfectly separates the training data.

- Pattern in Age :

+ If Age $\leq 35 \Rightarrow$ High chance of being High Risk (80%)

+ Age $> 35 \Rightarrow$ Low Risk

- $P(\text{High Risk} \mid \text{Credit Score} \leq 650) = 1$

$$P(\text{High Risk} \mid \text{Age} \leq 35) = 0.8$$

- Proposed method : KNN . This method leverages ~~feature~~ pattern in other features to make ^{2 closest Ne} 2NN informed imputations . Education = 13 (Mean ID 6 and 8)
OR Imputation with a Central Tendency Measure
For T2 could impute Education = 14 (Median)
or Education = 14.57 (Mean)