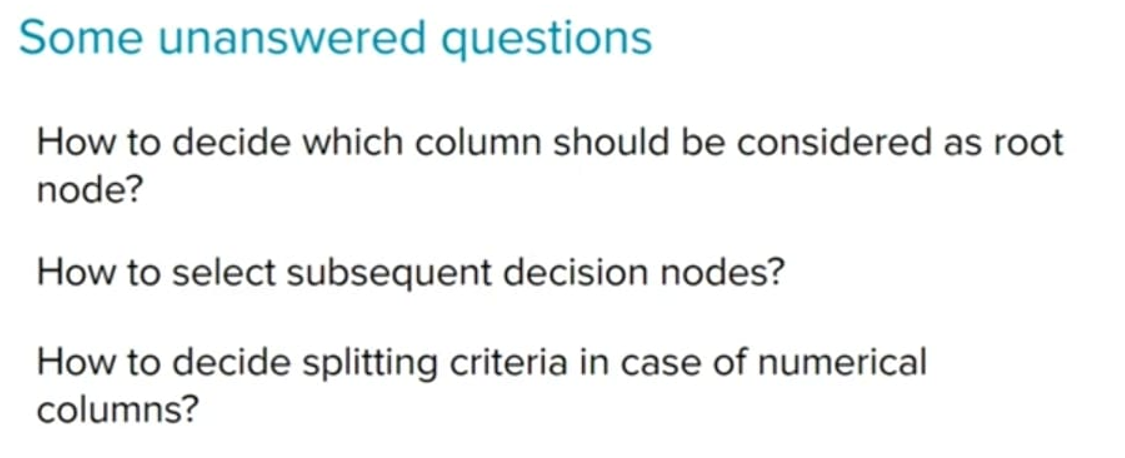
**Decision Tree Classifier**

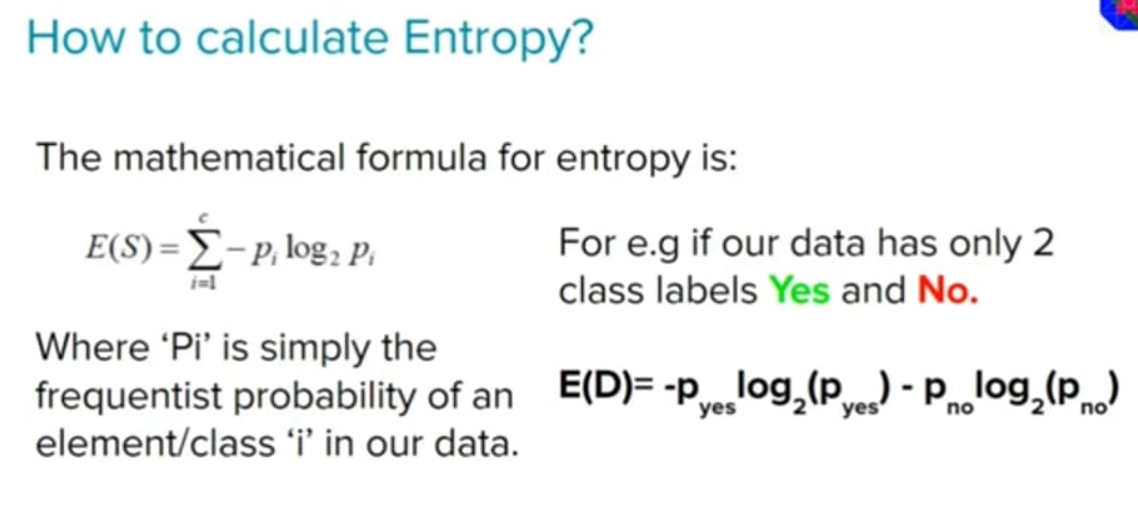
All theoretical parts are same as ‘Decision Tree Regressor’ but only there is a small difference in how entropy is calculated with continuous numerical target and categorical target values

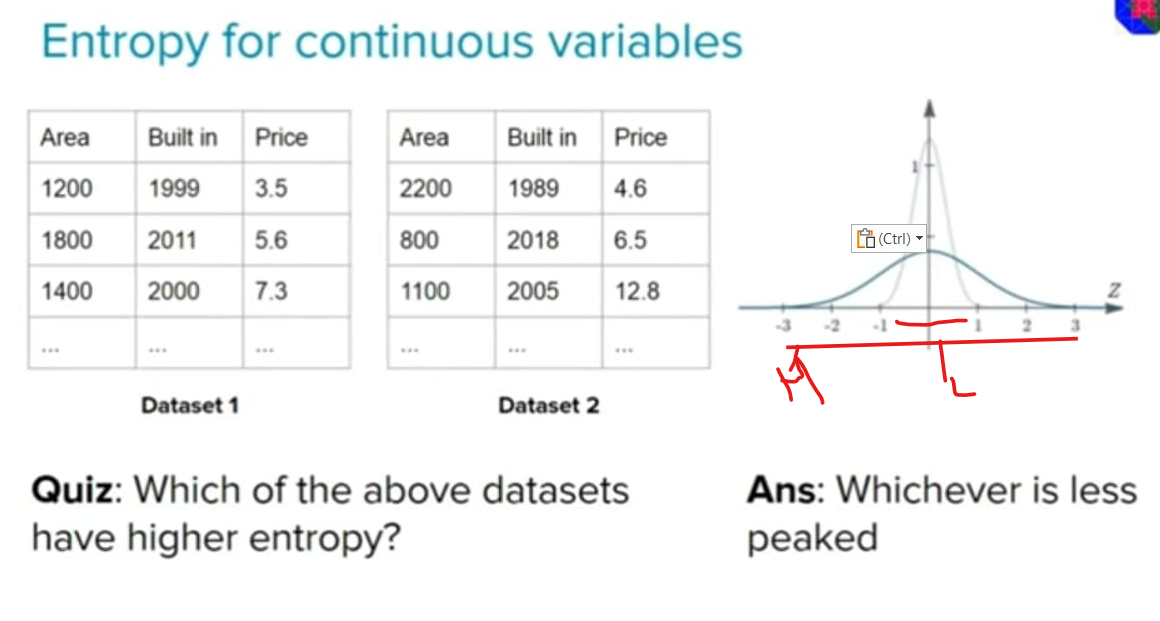
Entropy calculation for categorical target is very simple while entropy calculation for numerical target is a bit complex and performance intensive

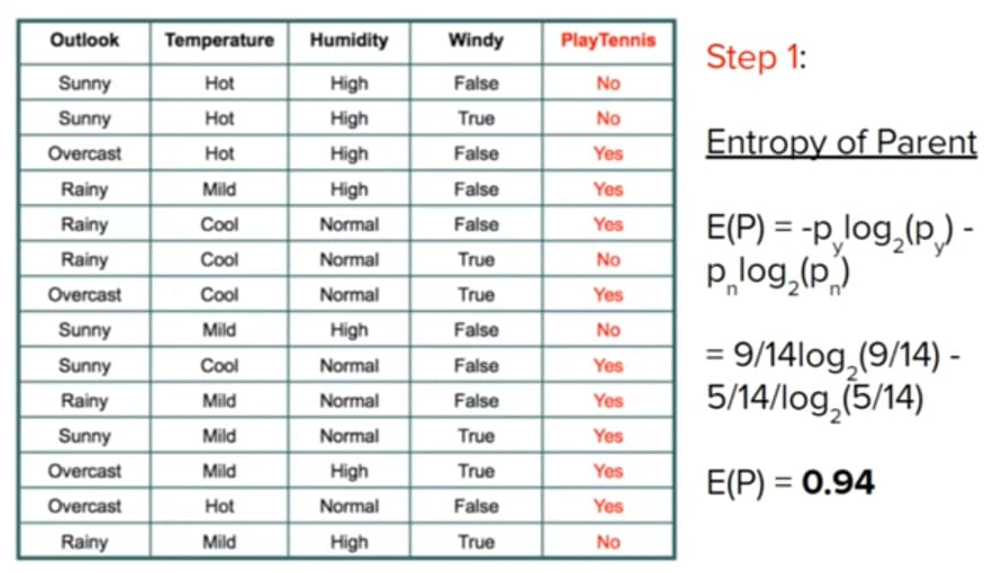
In this technique we do not require to learn any mathematical formula calculation as it is simple nested if-else tree

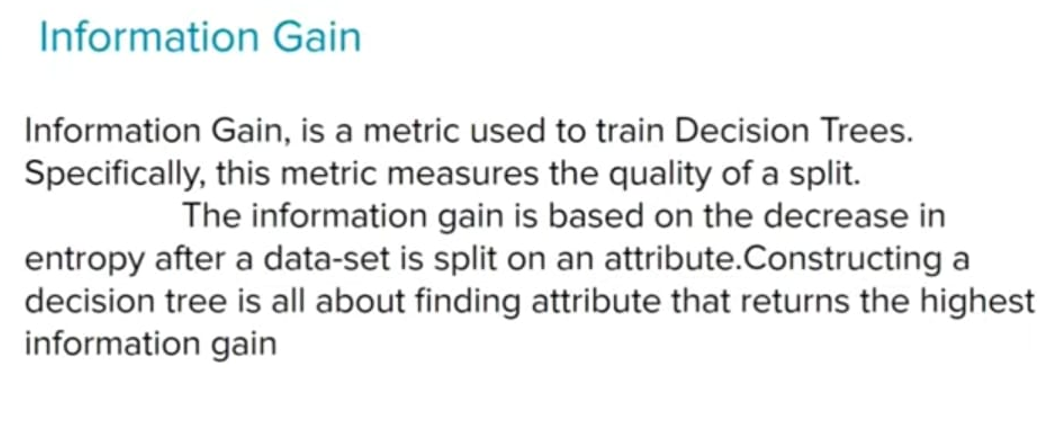
* What is Entropy
* How to calculate Entropy
* Why we need gini while it works as entropy
* Handling numerical data instead of categorical data
* Decision tree hyper parameters
* Dtreeviz library to visualize tree

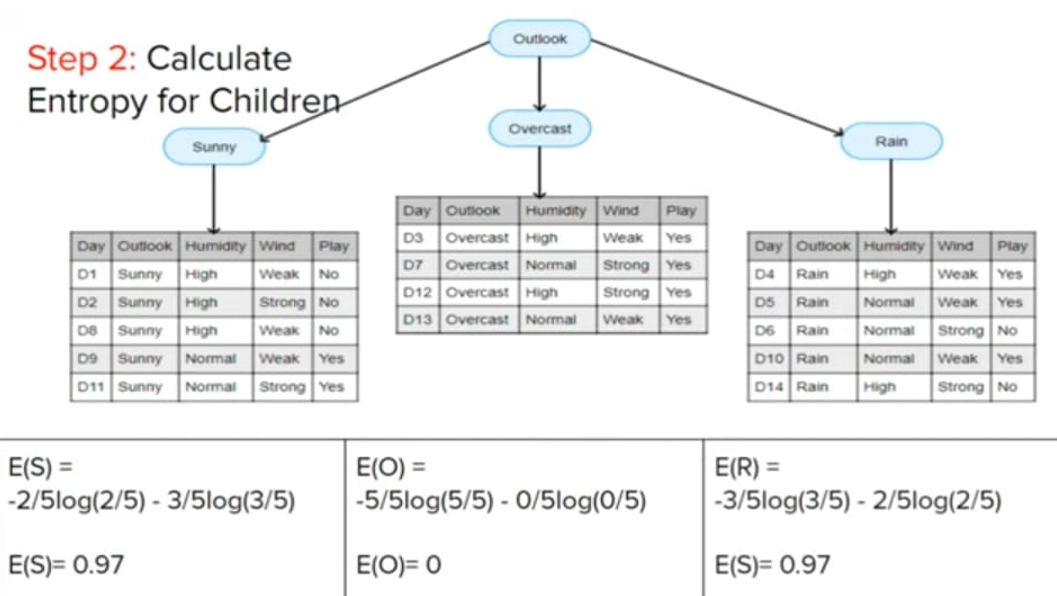


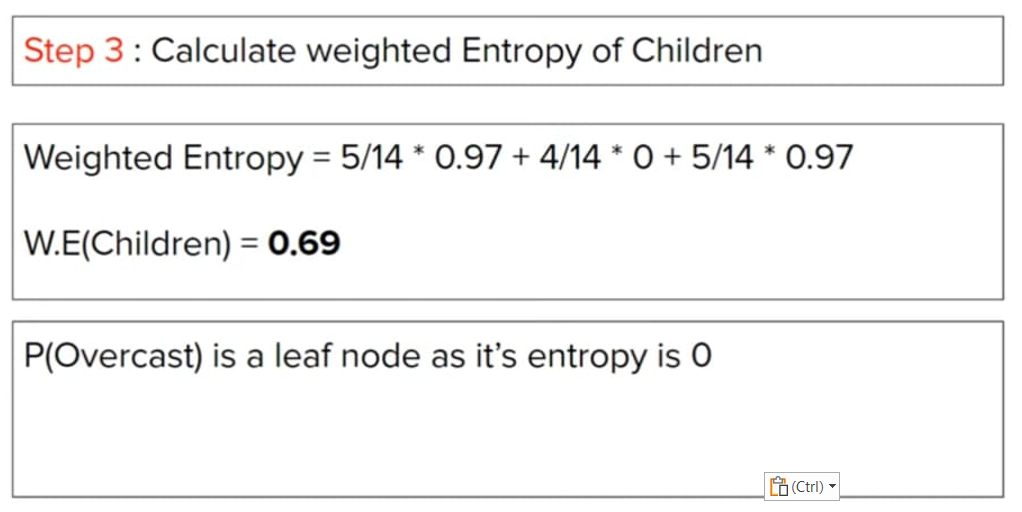


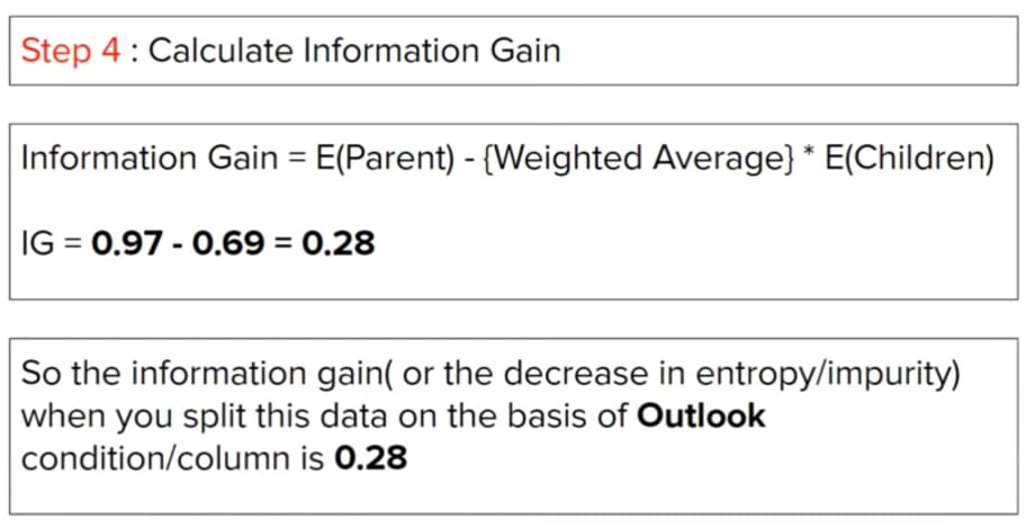


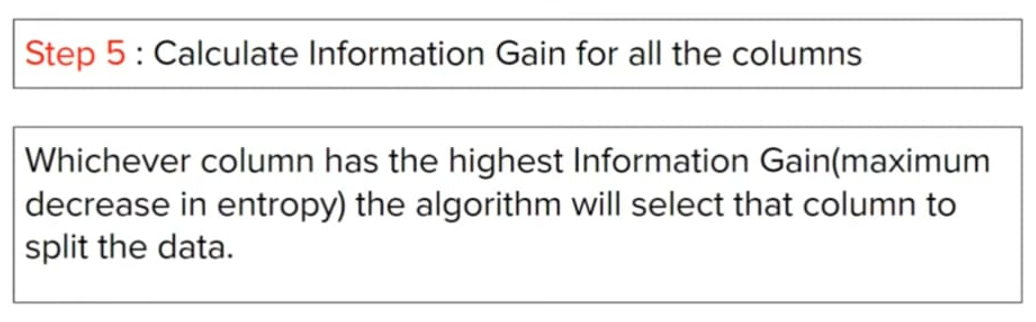


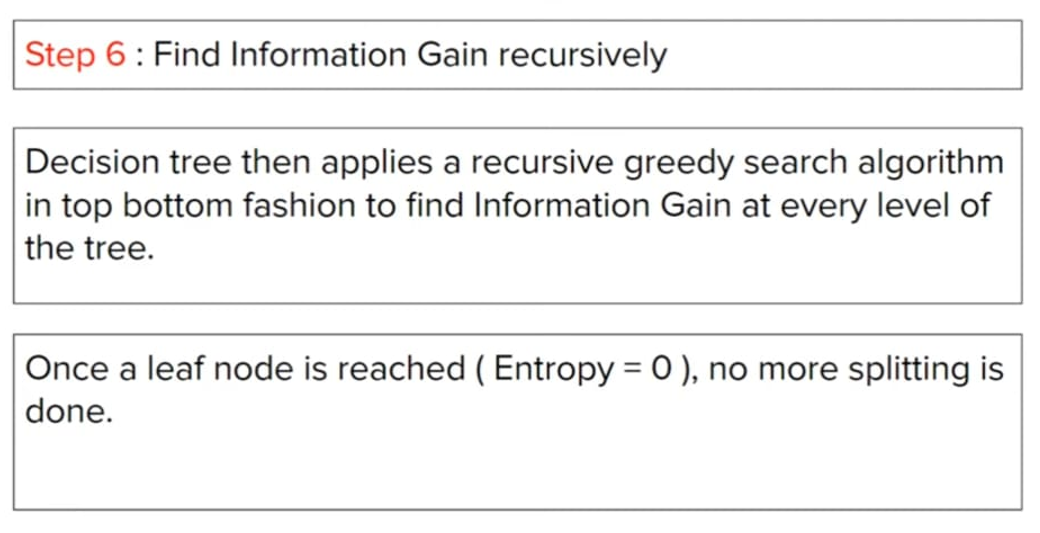


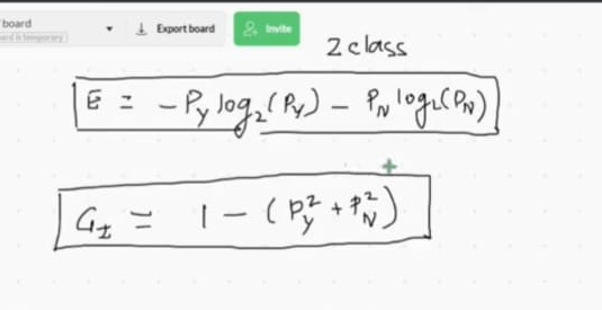












**Dtreeviz library:**

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