

Summary about Decision Tree from the Video

A decision tree is a model that makes a statement and then makes a decision based on whether that statement is true or false. When it classifies things into categories, it's called a classification tree, and when it predicts numeric values, it's called a regression tree.

Classification trees are easy to work with, starting at the top and working down until you can't go any further. The top of the tree is called the root node, internal nodes are branches, and leaf nodes are leaves. To build a tree from raw data, you have to decide which question to ask at the top of the tree. For example, you can use data to build a classification tree that predicts whether or not someone loves a 1991 movie called "Cool as Ice." Josh explains that there are several methods to quantify the impurity of the leaves, but they are all similar numerically. Overall, decision and classification trees are useful models for making decisions based on data.