Decision trees for regression

Abhinav Kumar, Paras Yadav, Rahul Salunke

Decision Tree is a decision-making tool that uses a flowchart-like tree structure. It is a model of decisions and all of their possible results, including outcomes, input costs, and utility. In our presentation, we will discuss how decision trees build regression models in the form of a tree structure. First, we explain why the regression tree should be used to predict the outcome based on the input of various variables. We took a real life problem and applied the algorithm on it to make it more intuitive. Lastly, we discuss the advantages and disadvantages of using them.