

Name - Vasu Kalanya

Roll - PE29

Sub - IMLA

Decision Tree Classification

1 Explain Decision tree for classification.

Decision Tree builds classification models in the form of a tree structure. It breaks down a dataset into smaller and smaller subsets while at ~~that~~ the same time an associated decision tree is incrementally developed. It can handle both categorical & numerical data.

2 What is information gain? ~~Can~~ Calculate it for Credit-rating attribute.

Information gain ratio is a ratio of information gain to the intrinsic information

3 Different Difference between Decision Tree Classification & Regression

The difference between classification and Regression is that classification decision trees are built with ~~unordered~~ unordered values with dependent variables. The regression decision trees take ordered values with continuous values.