Data Partitioning and Modeling

The data was partitioned into train and test datasets.

The **training** data set was used to create the decision tree model.

The trained model was then applied to the **test** dataset.

This is important because **partitioning the data set into training and test data allows us to verify the accuracy of the trained model. Furthermore, it is important as one should test one's model on a data set that was not used to train the model.**

When partitioning the data using sampling, it is important to set the random seed because **it allows you to obtain reproducible results each time you run the partition.**

A screenshot of the resulting decision tree can be seen below: