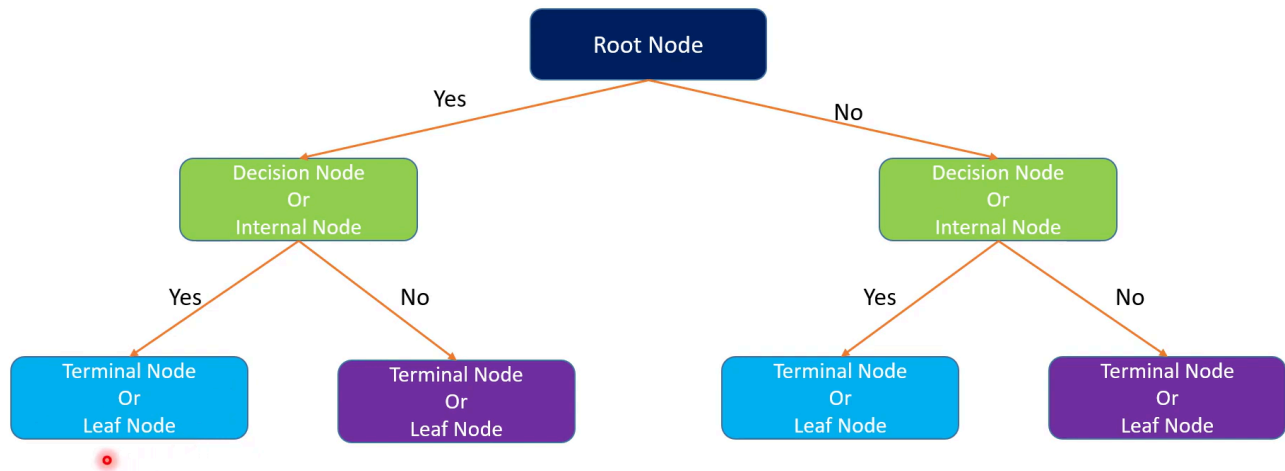


# Decision Tree

## ***About Decision Tree model:***

1. Supervised Learning Model
2. Used for both Classification & Regression
3. Builds Decision Nodes at each step
4. Basis of Tree-based models

## Decision Tree - Terminologies



think as an inverted tree and it keeps going until it reaches a point.

### Advantages:

1. Can be used for both Classification & Regression
2. Easy to interpret
3. No need for normalization or scaling
4. Not sensitive to outliers

### Disadvantages:

1. Overfitting issue
2. Small changes in the data alter the tree structure causing instability
3. Training time is relatively higher

**Decision Trees are not affected by outliers**