

Module 2: Assignment on Decision Tree and Random Forest

Problem Statement:

You work in XYZ Company as a Python. The company officials want you to build machine learning models.

Tasks to be performed:

1. Build a decision tree classifier:
 - Import diabetes datasets
 - Split it into X and Y
 - Split X and Y into 70% training set and 30% testing set
 - Train a Decision Tree Classifier
 - Make Predictions
 - Calculate its accuracy
 2. Build a random tree classifier:
 - Import diabetes datasets
 - Split it into X and Y
 - Split X and Y into 70% training set and 30% testing set
 - Train a Random Forest Classifier
 - Make Predictions
 - Calculate its accuracy
-