

APPLICATION OF BAYESIAN CLASSIFICATION FOR ECOGENE DATA

AMRITA PRIYAM AND SHAMAMA ANWAR

Abstract

Classification is the process of assigning a class label to each dataset or tuple. There are two classification approaches; in one the possible labels or classes are known (supervised classification) and in yet another approach the labels or classes are not known (unsupervised classification). In this paper we use a supervised classification technique - the Bayesian classification to classify the EcoGene data set. The classification technique makes use of the attributes of the dataset to form the different classes and then based on the calculated probability measures we decide as to which class a new tuple falls into.

Key Words : Classification, Supervised Classification, Bayesian Classification, EcoGene.