

ABSTRACT

In this report a method for feature selection using the combination of rough and fuzzy set is proposed. A dataset contains very large amount of data. But all these available data may not be equally important. So to remove those unimportant data from the dataset and form a subset of data which can give the same information as the entire dataset we use some techniques which are known as feature selection technique.

Feature selection using rough set can perform well with the discretized value. But in real valued dataset many noisy data are available. So in feature selection we have to perform discretization step before further processing. This discretization step can be performed using fuzzification technique.

So to handle real valued data in feature selection fuzzy rough hybridization is the better one.