

Abstract

Missing value is one of causes that make the data is called invalid data. Data with many missing value, will take the necessary information is missing. One of the way to handle missing value is fill the missing data with the predict value from available information in data. This method is called imputation method. One of the imputation methods is K-Means Imputation (KMI). This algorithm based on K-Means algorithm that is usually used in clustering. KMI will fill missing value with calculate mean attribute value from datas in a cluster where data missing is belong and those datas have to have class attribute as same as with class missing value data. In this final project, it will try to impute missing value with K-Means Imputation (KMI). Some parameters that will be tested are root mean square error, precision, recall and f-measure. Refers to the result of the experiment, KMI is proved predicting value approach to the real value for data which consist of few variation attribute value and it can make the classification result be better.

Keywords: imputation method, *K-Means Imputation (KMI)*, *missing value*.