Abstract

Missing values made data was not meaning and multi meaning. So that it's needed early steps or preprocessing. There are many imputation methods for example shell-neighbor. Early process of shell neighbor methods is normalization into min-max value. After that,impute distance to missing record. Sum of missing record is depends missing value rate of used. According distances result then is choosen k nearest neighbor include left and right neighbor. Then search weight left and right nearest neighbor. The result of multiply weight to attribute values are prediction value. That values will be valuated into original values with rot mean square error parameters. According result of experiment,the highest k nearest neighbor with missing value rate then RMSE value highest. Because of higher k nearest neighbor then prediction result is incorrect.

Keywords: MVR,left and right neighbor,RMSE,weight