

Introduction to belief functions

Lecture 3– project

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1. The EKNN rule is available in package `evclass`. Install this package.
2. Compare the performances of the EKNN rule to those of the voting KNN rule (in package `FNN`), using several datasets from the UCI repository (<https://archive.ics.uci.edu/ml>).
3. The random subspace method consists in training an ensemble of classifiers with different random subsets of features, and combining the classifier outputs by voting or averaging, as in the bagging method. (See <https://www.sciencedirect.com/science/article/pii/S1088467X99000189>). Does this method improve the performances of the EKNN method?