

Fuzzy rule-based classifier

Using Ish'92 approach with $K=2$, design a fuzzy rule-based classifier for each data set:

- Iris with 150 samples, 4 features and 3 classes
- Wine with 178 samples, 13 features and 3 classes
- Cancer with 684 samples, 9 features and 2 classes

a) Calculate the classification accuracy for each data set via LV1 method.

b) Use the 4th method mentioned in course to obtain the weight for each rule and repeat part (a).

c) Compare the results in report.