

Learning Bayesian network classifiers for
multi-dimensional supervised classification
problems by means of a multi-objective approach.

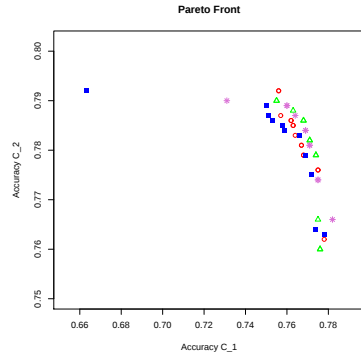
*Figures of the data sets obtained from a **MDPoly** structure*

Juan D. Rodríguez

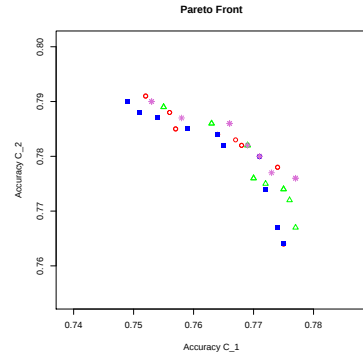
Jose A. Lozano

- Marginal
- Joint
- △ Conditional
- * Iterative

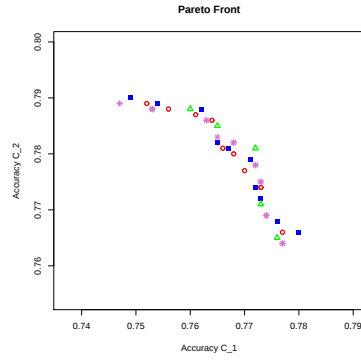
Figure 1: Legend of the classification rules



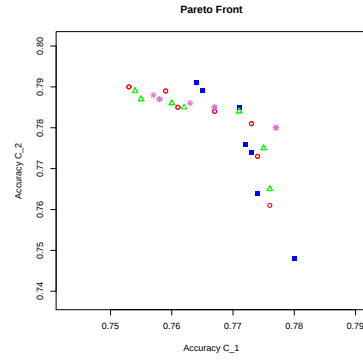
(a) Run 1



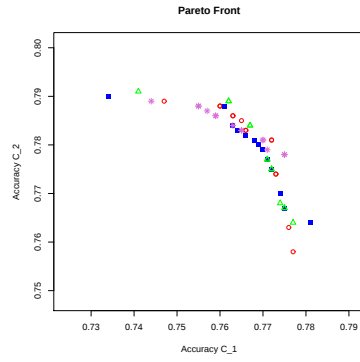
(b) Run 2



(c) Run 3

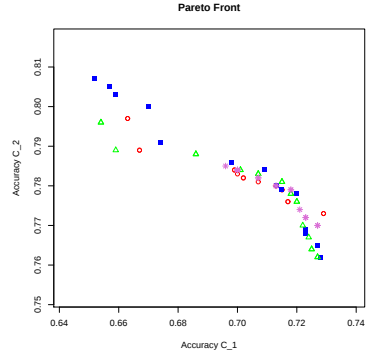


(d) Run 4

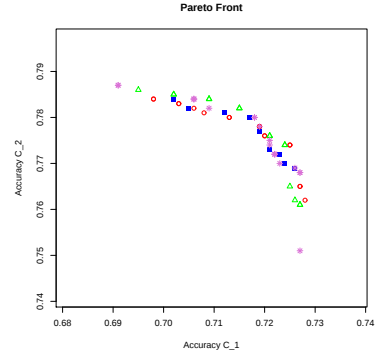


(e) Run 5

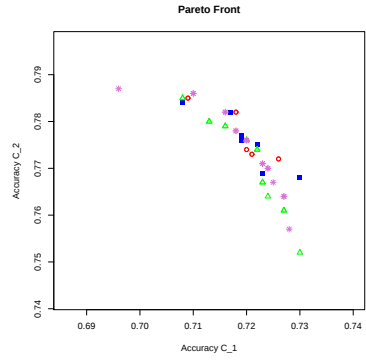
Figure 2: Data set 1



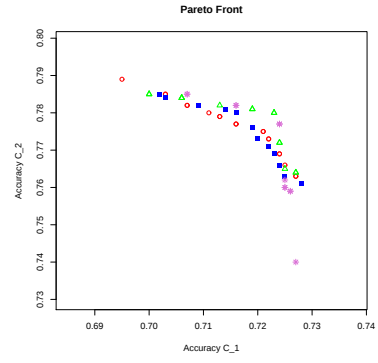
(a) Run 1



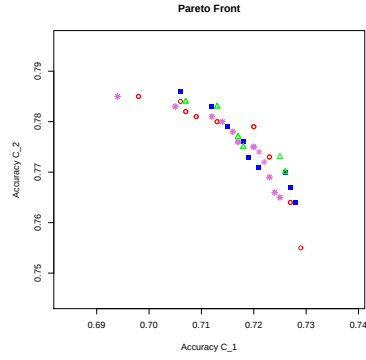
(b) Run 2



(c) Run 3

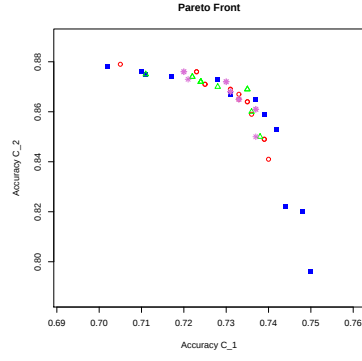


(d) Run 4

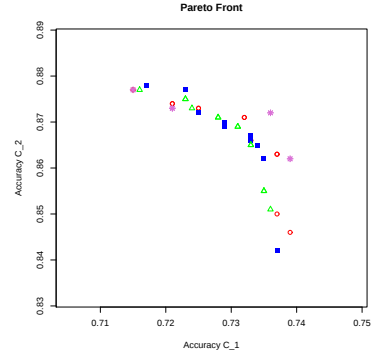


(e) Run 5

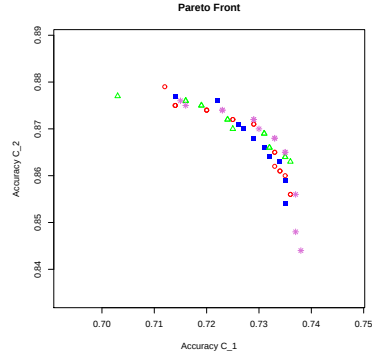
Figure 3: Data set 2



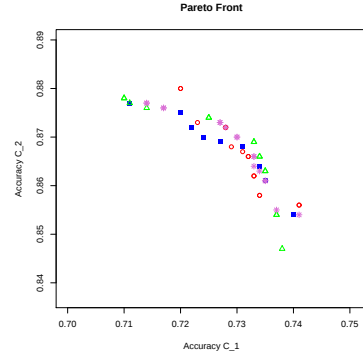
(a) Run 1



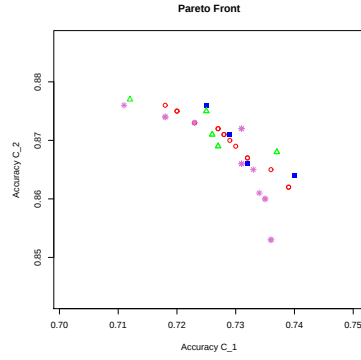
(b) Run 2



(c) Run 3

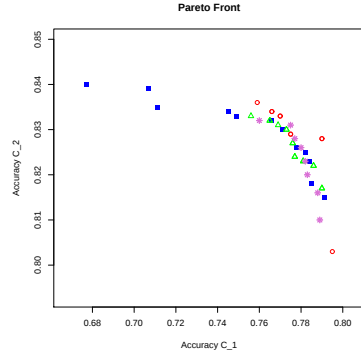


(d) Run 4

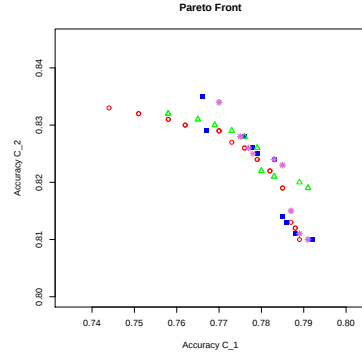


(e) Run 5

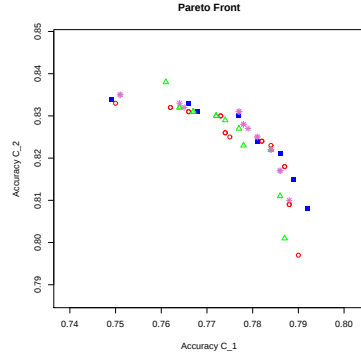
Figure 4: Data set 3



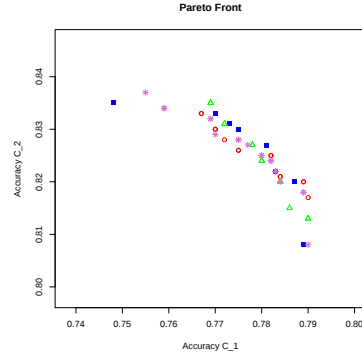
(a) Run 1



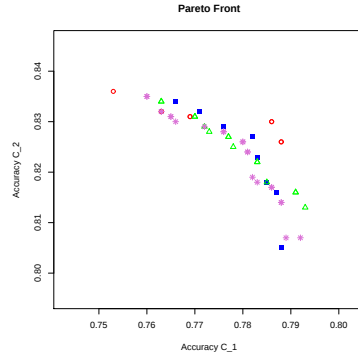
(b) Run 2



(c) Run 3

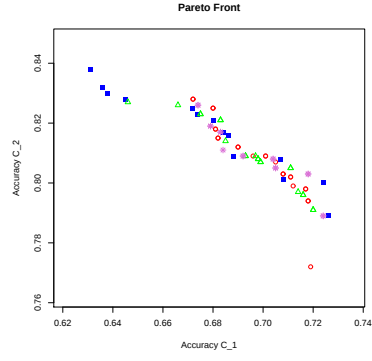


(d) Run 4

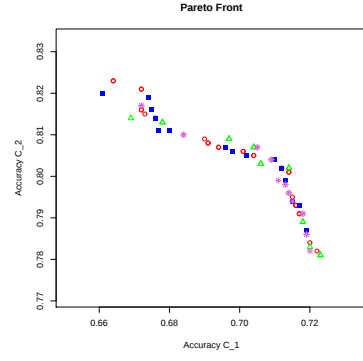


(e) Run 5

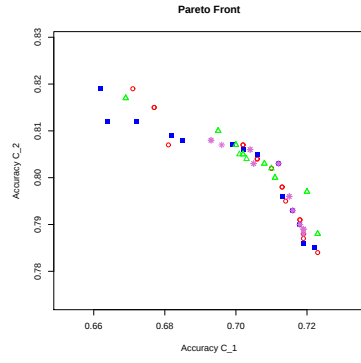
Figure 5: Data set 4



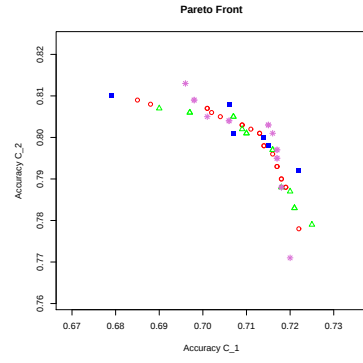
(a) Run 1



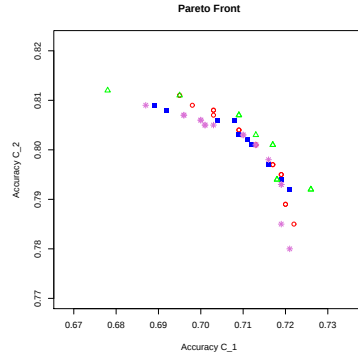
(b) Run 2



(c) Run 3



(d) Run 4



(e) Run 5

Figure 6: Data set 5