

FAST AND FRUGAL TREES IN THE WILD

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A list of fast and frugal trees successfully used in different fields of application are described, presented and illustrated. Fast-*and*-frugal trees can be used as decision-making tools which operate as lexicographic classifiers, and, if required, associate an action (decision) to each class or category. They were introduced and conceptualized in 2003 (Martignon, et al, 2003; Martignon, Katsikopoulos and Woike, 2008) and are now systematically used in a variety of applied fields. Here a list of such trees used in specific domains is presented and illustrated with corresponding diagrams.

REFERENCES

- Martignon, L., Katsikopoulos, K. V., & Woike, J. K. (2008). Categorization with limited resources. A family of simple heuristics. *Journal of Mathematical Psychology*, 52, 352–361.
- Martignon, L., Vitouch, O., Takezawa, M., & Forster, M. (2003). Naïve and yet enlightened: From natural frequencies to fast and frugal decision trees. In D. Hardman, & L. Macchi (Eds.), *Thinking: Psychological perspectives on reasoning, judgment, and decision making* (pp. 189–211). Chichester, United Kingdom: John Wiley and Sons.