xtractis® is a cutting-edge solution for robust predictive modelling & analysis: it provides automatic extraction of non-linear models and identification of optimal solutions.

xtractis® originates from the latest advances in Fuzzy Logic coupled with Machine Learning to offer an innovative and powerful tool for decision making assistance: it merges qualitative and quantitative data, it models regression and classification issues. Moreover, xtractis® includes an intensive assessment of the robustness of the extracted models.

All types of modelling

- xtractis® identifies any relationship existing between data sets of different types:
  - hedonic evaluations / liking / preference
  - qualified assessors evaluations / sensory
  - instrumental / formulation / socioeconomic

A modular and comprehensive software solution

- Thanks to its outstanding extraction engine, GENERATE automatically identifies efficient models from your databases (even if incomplete or with a high dimensionality).

- Thanks to its powerful inference engine, PREDICT allows you to predict the behaviour of your complex processes in real time.

- Thanks to its unique non-linear model inversion algorithms, OPTIMIZE proposes in one click exact optimal solutions satisfying your multi-objective request.

Robust and operational models

- DESCRIPTIVE MODELS
  - translate the modelled process into linguistic decision rules.

- PREDICTIVE MODELS
  - predict the outcome of the study variable given a new simulated situation.

- ROBUST MODELS
  - maximize the relevance of the prediction in unknown situations.

- INVERTIBLE MODELS
  - allow the discovery of exact optimal solutions (expressed on original variables).

Contact us for a free analysis of your needs:

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INTEGRATING TECHNOLOGIES

You discover relationships between predictors and study variables, expressed as interpretable models

You accelerate your test or simulation cycles as you get instant responses from your models

You benefit from shorter design and prototyping cycles by directly reaching targeted objectives