## Context of the research activity

This line of research concerns the study of the foundational, methodological, and algorithmical aspects involved in the design of intelligent systems.

## Objectives

- Study of the conditions enabling the derivation of rigorous performance guarantees for intelligent and adaptive systems with regard to their predictive accuracy, resource consumption, data efficiency, explainability, interfaceability and distributability.
- Design and analysis of adaptive algorithms for AI-based decision-making with partial information.

## Skills and competencies for the development of the activity

- Coding and data management,
- Design and analysis of algorithms,
- Calculus,
- Discrete mathematics,
- Probability and data analysis.