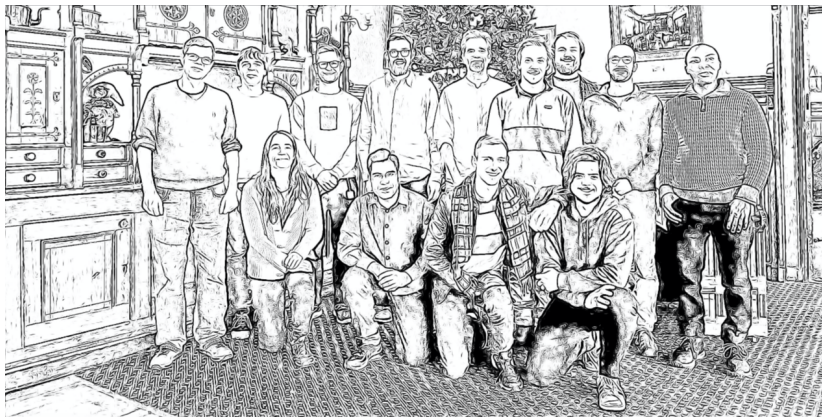


Research in Machine Learning

Fabio Massimo Zennaro

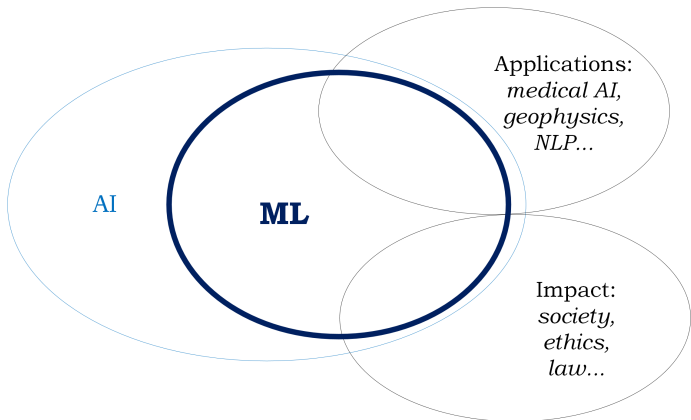
ML Research Group
Department of Informatics

15th November, 2023



Research at the foundation of modern ML

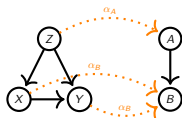
We develop methods and algorithms for ML



What is our research about?

Our *aims*:

- Working out theoretical foundations
- Explaining assumptions and limitations
- Novel methodologies
- New formalizations



Why should we care?

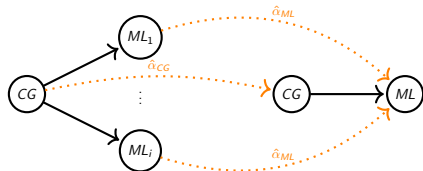
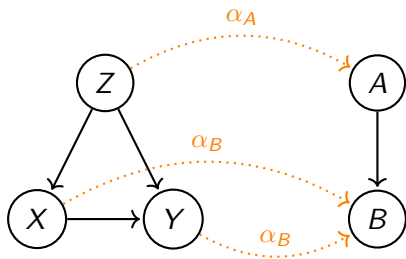
Our *contributions*:

- Aware adoption of solutions
- Model-reality correspondance
- Prudent customization of methods
- Provable guarantees
- Design of efficient solutions



A sample of our research

Theory of causality and abstraction



Thank you for your attention!

