Industrial artificial intelligence and digital twins

We work on applying algorithmic tools to analize and study large volumes of data, extracting knowledge from complex sources, and helping make informed decisions in industrial settings.

Summary

The artificial intelligence revolution, on the heels of the big data and digitalization waves, has made clear that intelligent algorithms can provide immense value to industry.

From automation to decision making support, our focus is on applying artificial intelligence in a digital twin context in industrial and scientific problems with good data accesibility, combining it with other BSC capabilities in high performance simulation and with our team skills on data visualization. In this way, we are able to deliver a complete end-to-end data anlytics and visualization service, capable of extracting insight from large and complex data coming from combined structured (e.g. simulations, sensors) or unstructured (free text, social media) sources and presenting it in the most useful manner.

Objectives

- Apply artificial intelligence algorithms to industrial and scientific problems
- Develop digital twin and big data infrastructures for analysis and decision making.
- Develop AI strategies for unique problems with complex requirements.
- Help industry transition into a new data-enabled era

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