

Integrating complex multimodal health data for clinical prediction with artificial intelligence



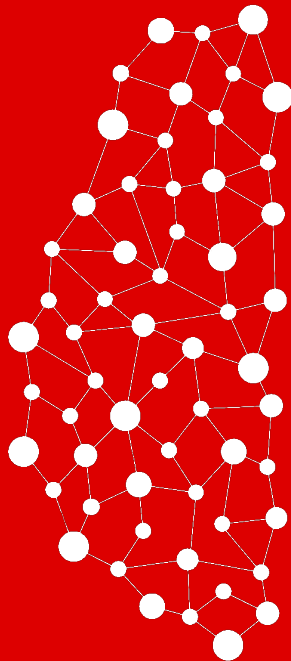
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Chief Scientific Officer, baba.vision



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What is artificial intelligence?

What is AI?

Artificial Intelligence (AI) is the field of computer science devoted to creating systems that can perform tasks that typically require human intelligence. These tasks include perception (e.g., recognizing images or speech), reasoning (e.g., solving problems, making decisions), learning (e.g., adapting from data and experience), and interaction (e.g., understanding natural language, generating responses, collaborating with humans).

At a high level, AI can be divided into:

- **Symbolic AI (knowledge-based, rule-based, expert systems):** Uses explicit rules, logic, and symbolic representations to encode reasoning.
- **Machine Learning (data-driven):** Learns patterns from data, with subfields like deep learning, reinforcement learning, and probabilistic modeling.

AI is not a single method but a spectrum of approaches for replicating or augmenting cognitive functions in machines.

Would you like me to give you a concise **working definition** (one sentence) or a **taxonomy of types of AI** (narrow, general, superintelligence, etc.)?

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+ Ask anything

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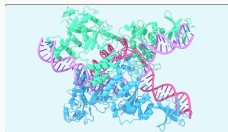
ChatGPT



Spot



Sophia



AlphaFold



AlphaZero

What is artificial intelligence?



Artificial
intelligence

Artificial intelligence

Technology that solves tasks requiring some form of intelligence

What is artificial intelligence?

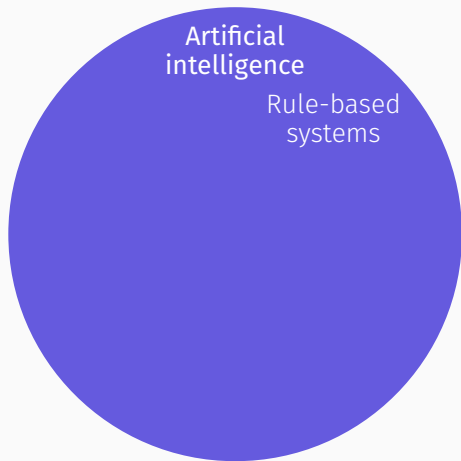


Artificial
intelligence

Artificial intelligence

The field of study producing technology that solves tasks requiring some form of intelligence

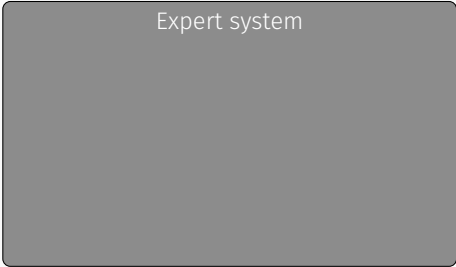
What is artificial intelligence?



Artificial intelligence

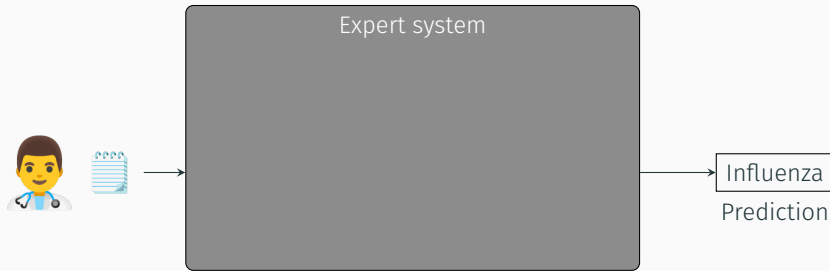
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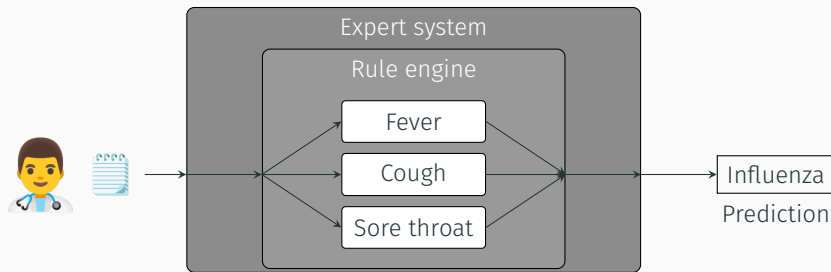


Expert system

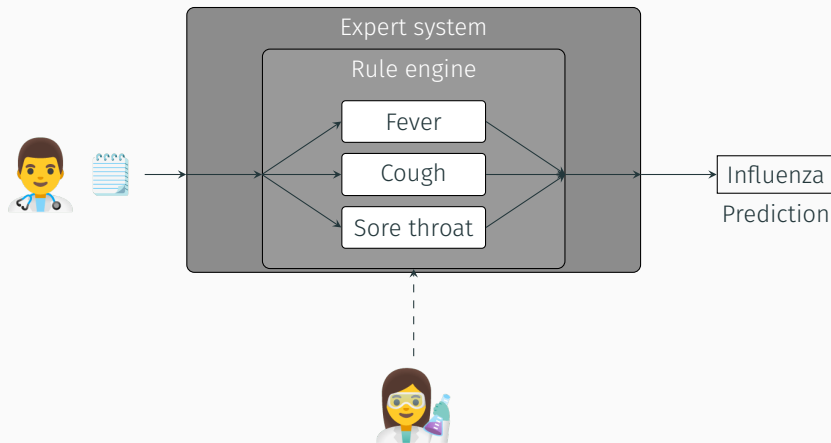
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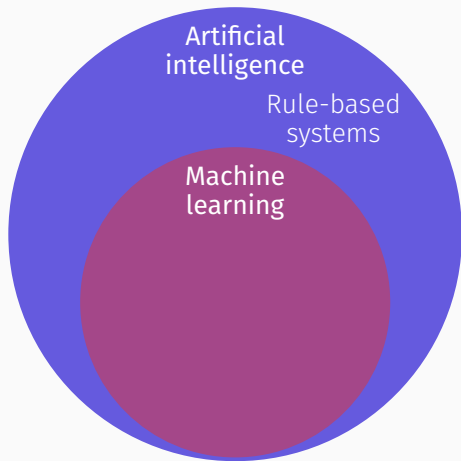
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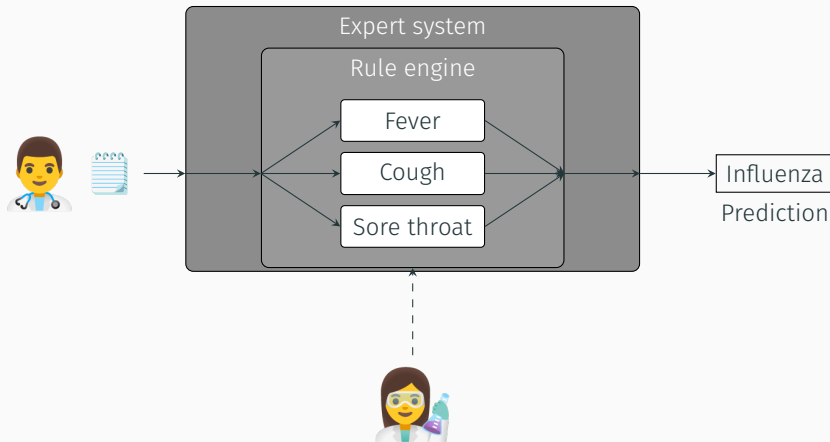
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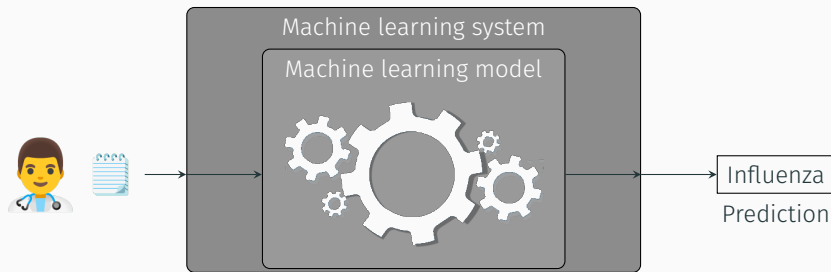
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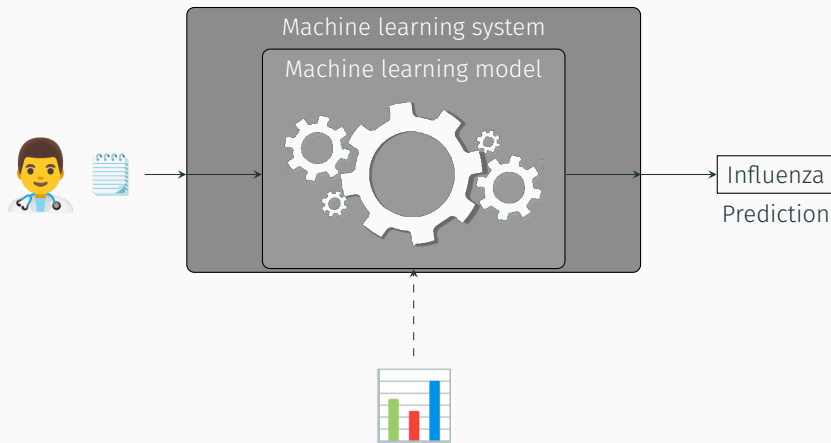
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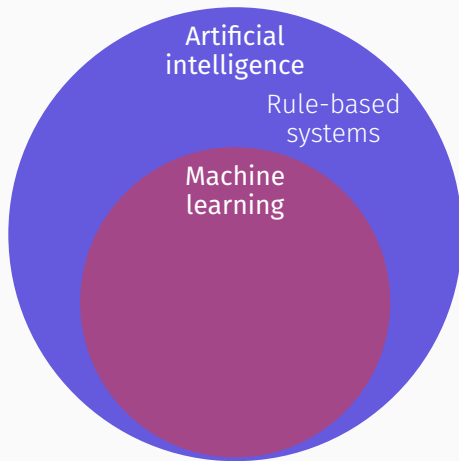
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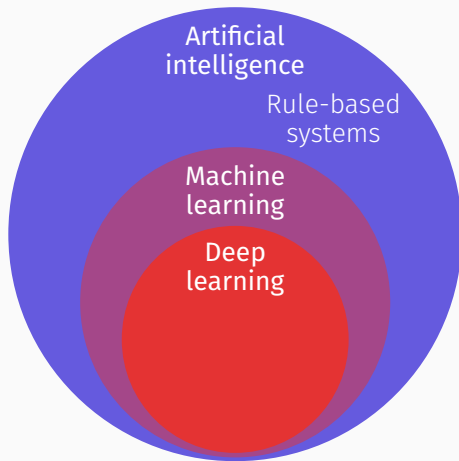
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Machine learning

A set of techniques to solve problems by allowing machines to find patterns in training data

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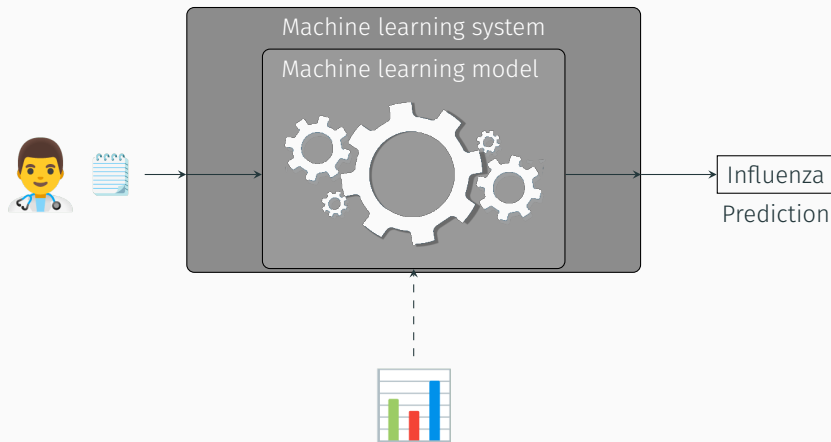
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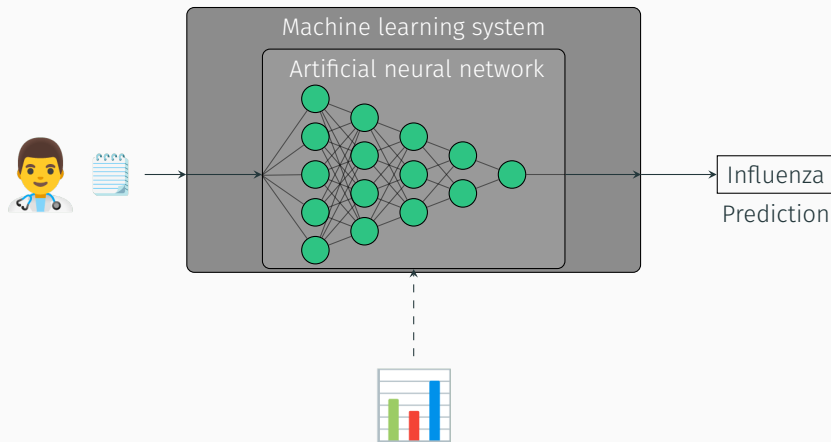
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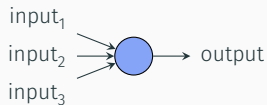
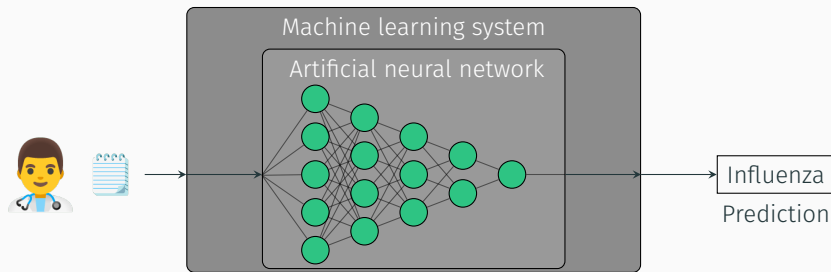
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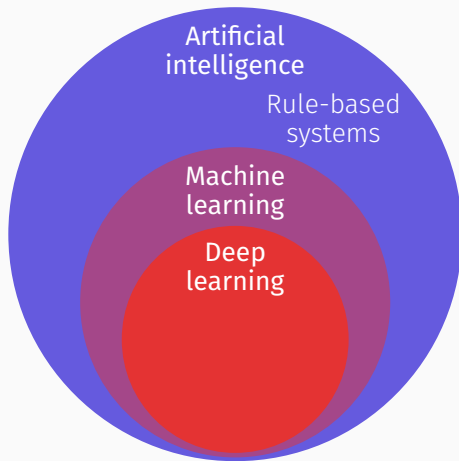


What is artificial intelligence?



Artificial neuron

What is artificial intelligence?



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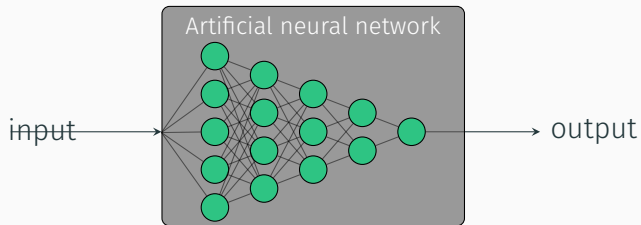
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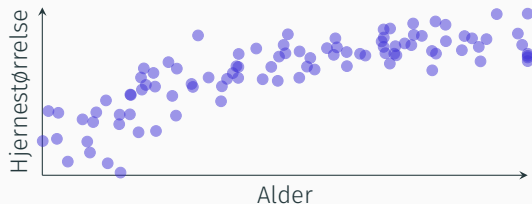
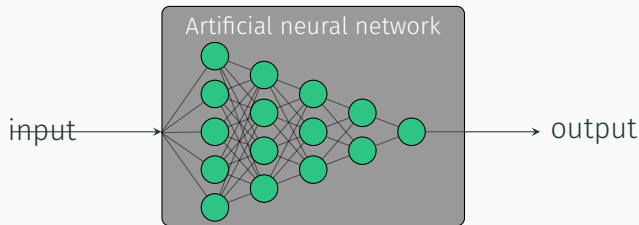
Deep learning

Machine learning approaches that rely on artificial neural networks

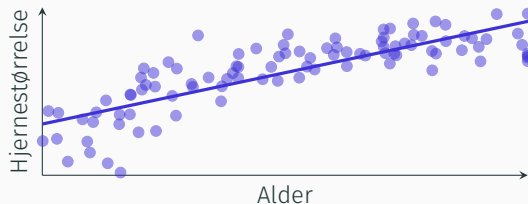
Why do we use artificial neural networks?



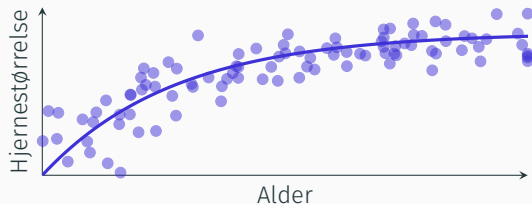
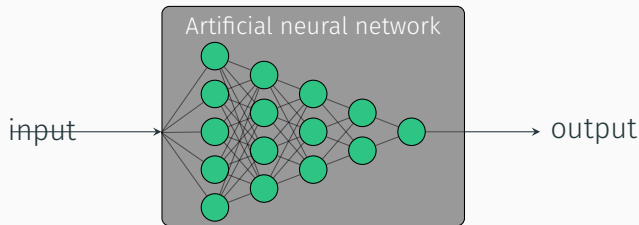
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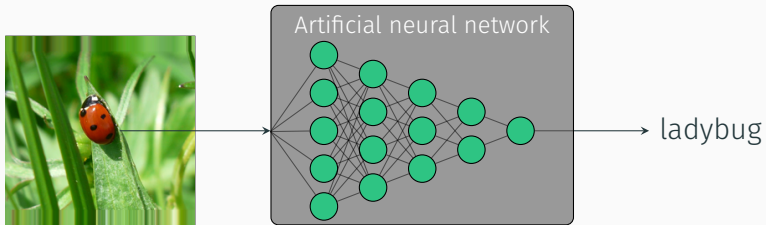
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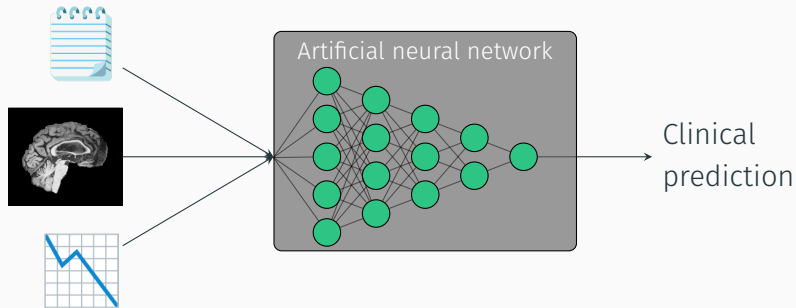
Why do we use artificial neural networks?



Why do we use artificial neural networks?



Why do we use artificial neural networks?



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