What is Machine Learning & AI?

...and why is it important?

Al: Hype or

Reality?

Al is one of the most important things humanity is working on. It is more profound than electricity or fire.

Sundar Pichai, Google's CEO





Human Intelligence

- Solve problems
- Achieve goals
- Analyze & reason
- Communicate, collaborate & influence
- Consciousness,
 Emotions, Intuition, Imagination



Artificial Intelligence

The ability for machines to simulate & enhance (human) intelligence

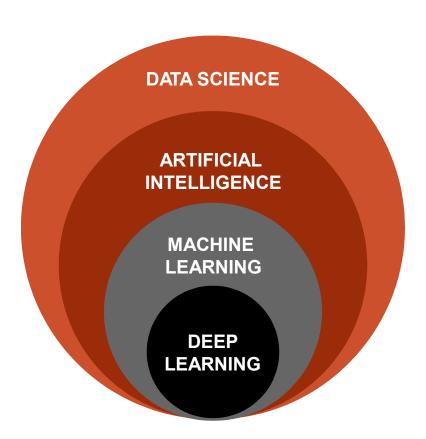
Al Definition: Academic

The designing and building of intelligent agents that receive precepts from the environment and take actions that affect that environment

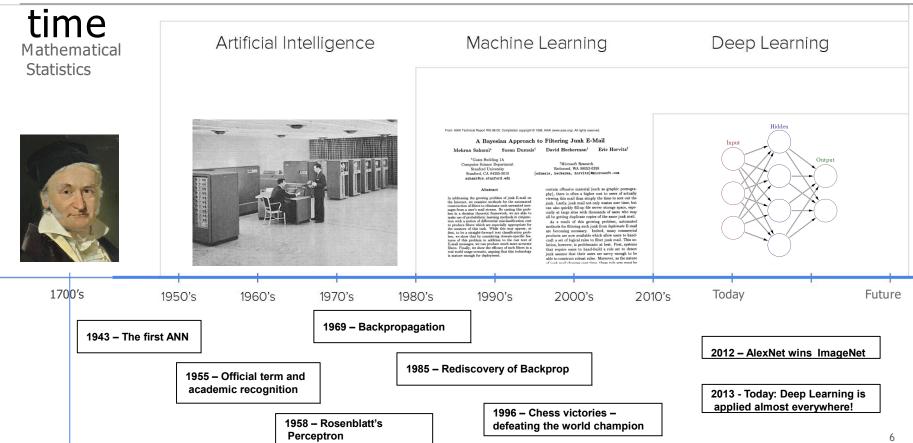
Stuart Russell & Peter Norvig, AI Professors



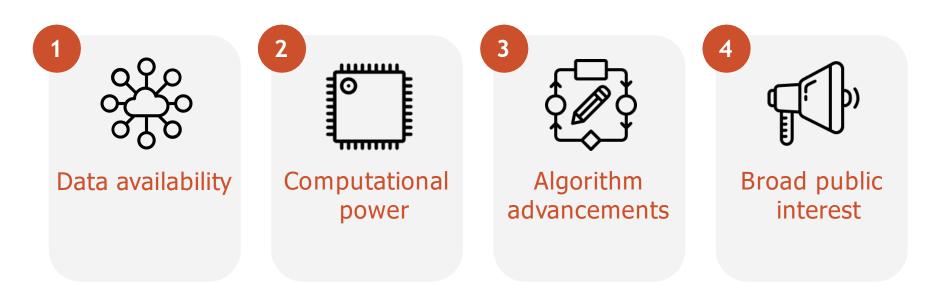
Machine Learning (ML) is a subfield of AI



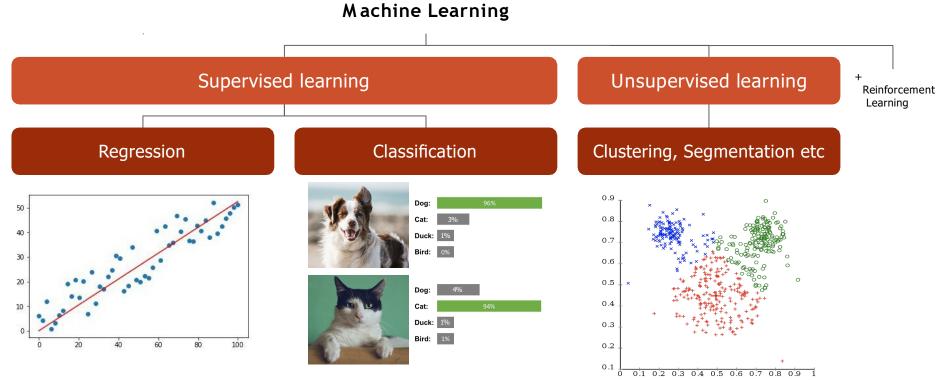
AI is not new, it's been around for a loong



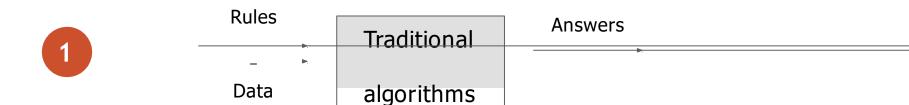
What is different this time? - 4 key enablers



The Categories of Machine Learning



Traditional algorithms rely on rules defined by humans



Machine learning algorithms extract rules from data

Training phase Answers Rules Machine Data learning Inference phase Data **Predictions Rules**

Thank You!