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



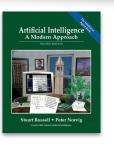
Artificial Intelligence

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

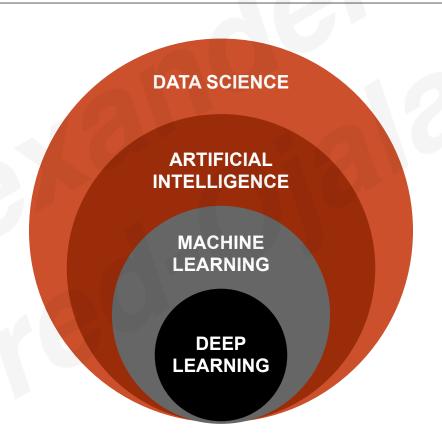
Al Definition: Academic

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

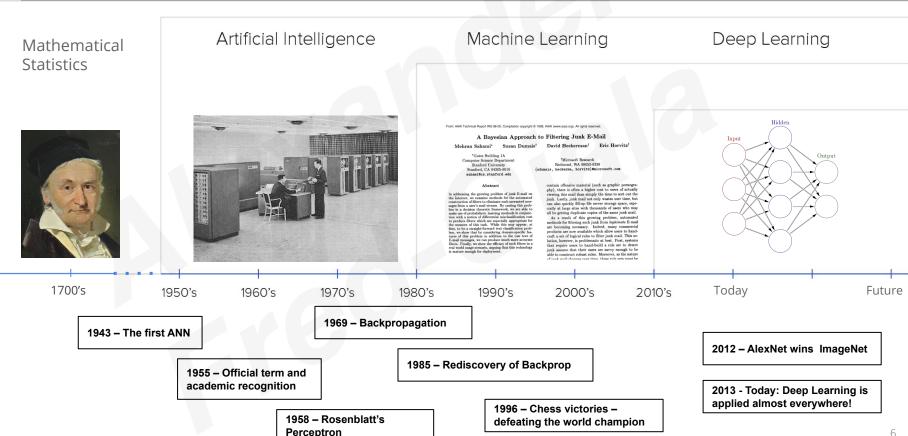
Stuart Russell & Peter Norvig, Al Professors



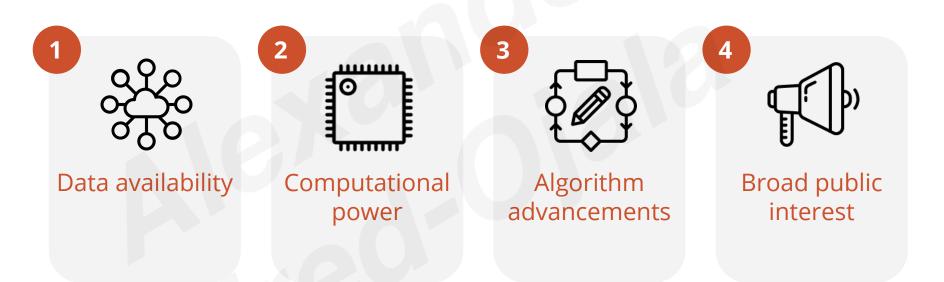
Machine Learning (ML) is a subfield of Al



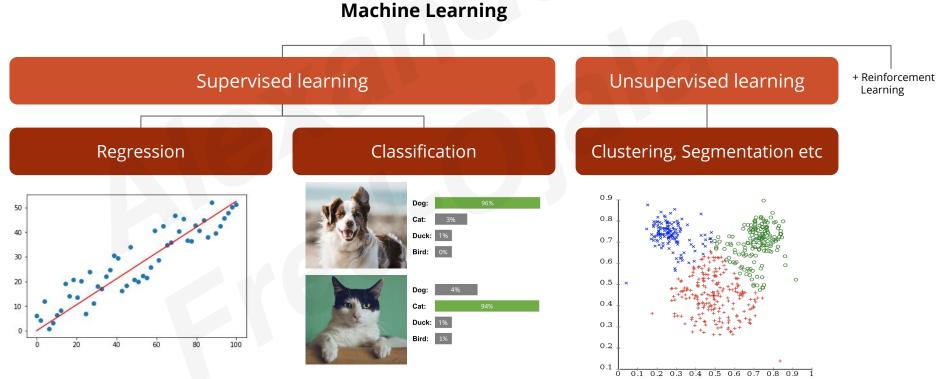
Al is **not new**, it's been around for a loong time



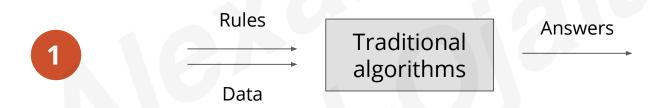
What is different this time? - 4 key enablers



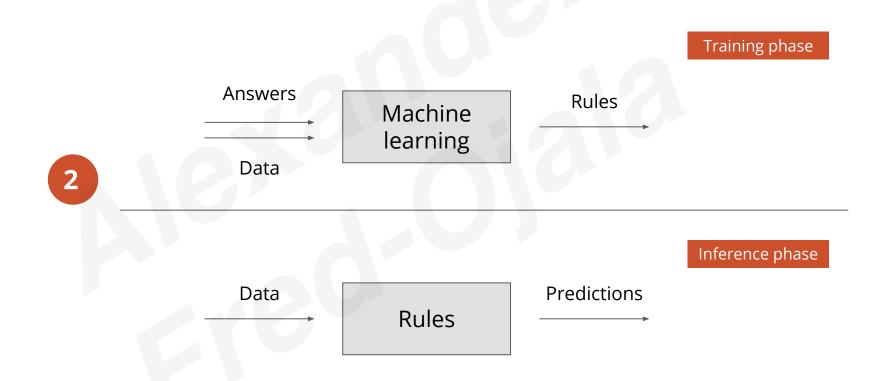
The Categories of Machine Learning



Traditional algorithms rely on rules defined by humans



Machine learning algorithms extract rules from data



Thank You!