



Artificial Intelligence – An Overview





What is this talk about:

- Broad Framework to think about AI & its techniques
- Highlight relationship between AI, ML & Deep Learning
- Articulate the impact of AI & ML in Business Decision Making

What this talk is not:

- Does not deal with cost-benefit analysis of AI & ML
- Does not cover moral, ethical dimensions of AI & ML
- Does not cover any math behind the techniques

How delivered: I am going to put myself in your shoes, ask & answer key questions that you might have in your mind as you embark on this course!



Q1: Artificial Intelligence brings images of Terminator,
Robots, Enthiran etc. What is the simplest way to
understand AI?

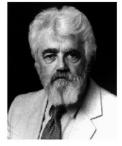






Artificial Intelligence refers to the theory and development of computer systems & machines with the ability to perform tasks normally requiring human intelligence

1956 Dartmouth Conference: The Founding Fathers of AI



John McCarthy



Marvin Minsky



Claude Shannon

Arthur Samuel

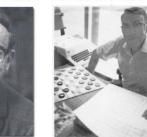


Ray Solomonoff

Alan Newell



Herbert Simon

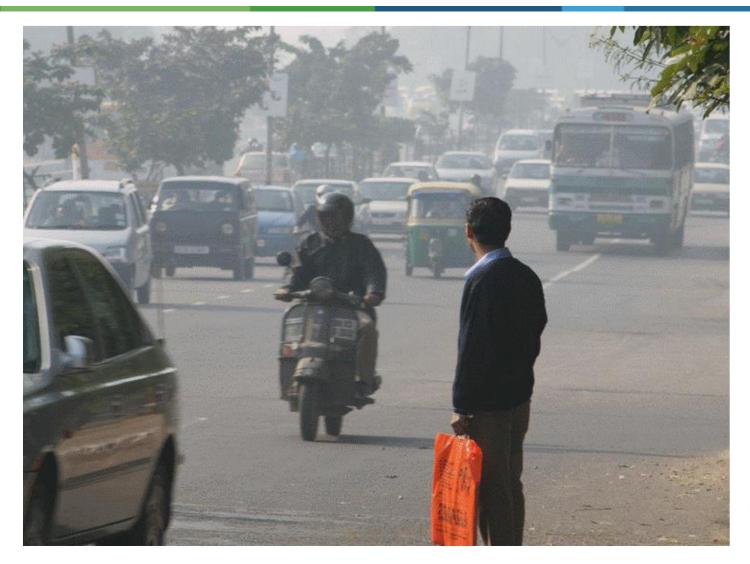


And three others... Oliver Selfridge (Pandemonium theory) Nathaniel Rochester (IBM, designed 701) Trenchard More (Natural Deduction)









- 1. <u>Perceive</u> the world, detect signals and collect data
- Make sense of the world using data (Insights, Inference, Predictions etc.)
- 3. <u>Decide</u> on the next course of action
- 4. Act in the Real World

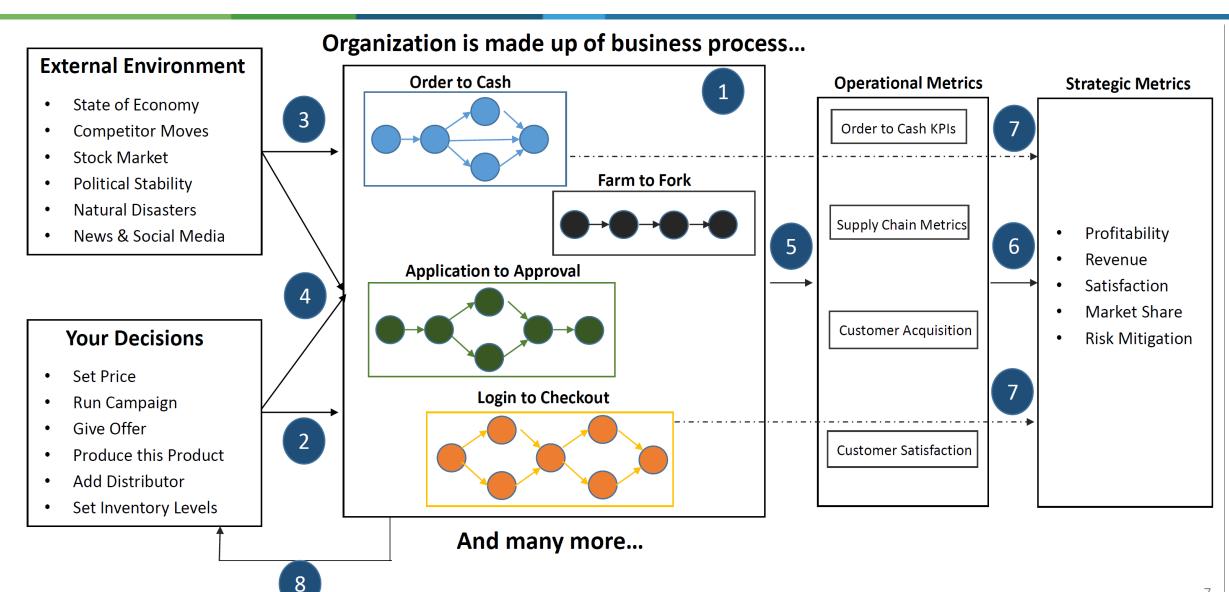


Q2: Ok. I kinda understand what constitutes Human Intelligence. How is it relevant for enterprises?



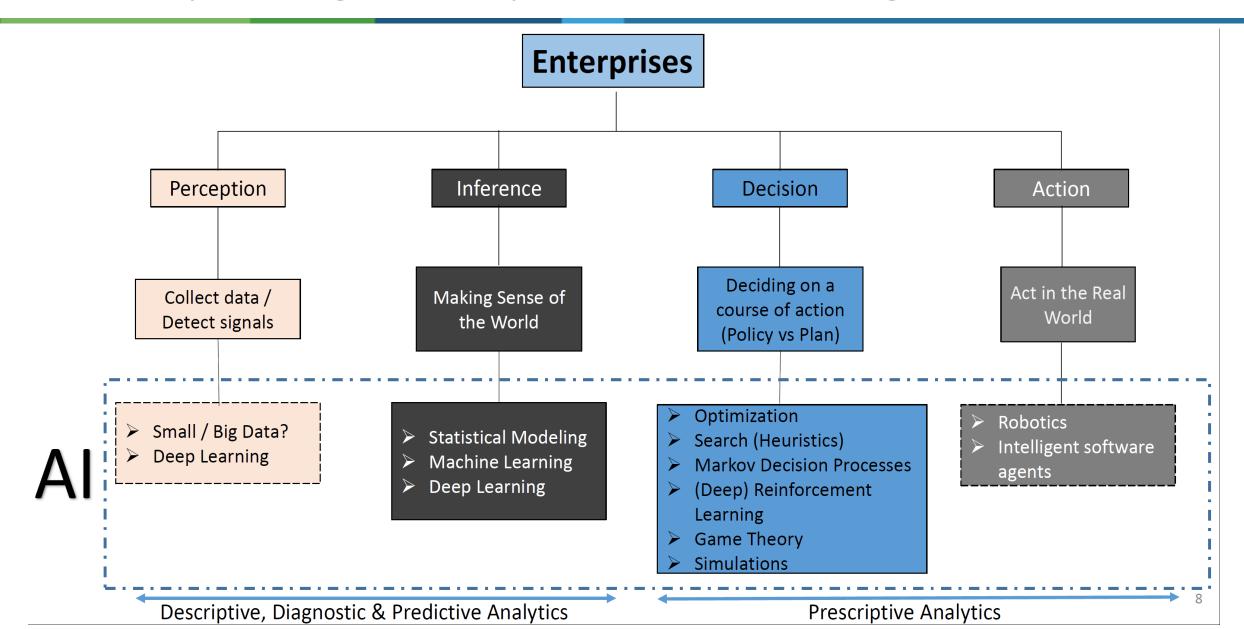


Business Decision Making is Complex and Complicated...





Al Techniques in Organizations parallels to human intelligence...





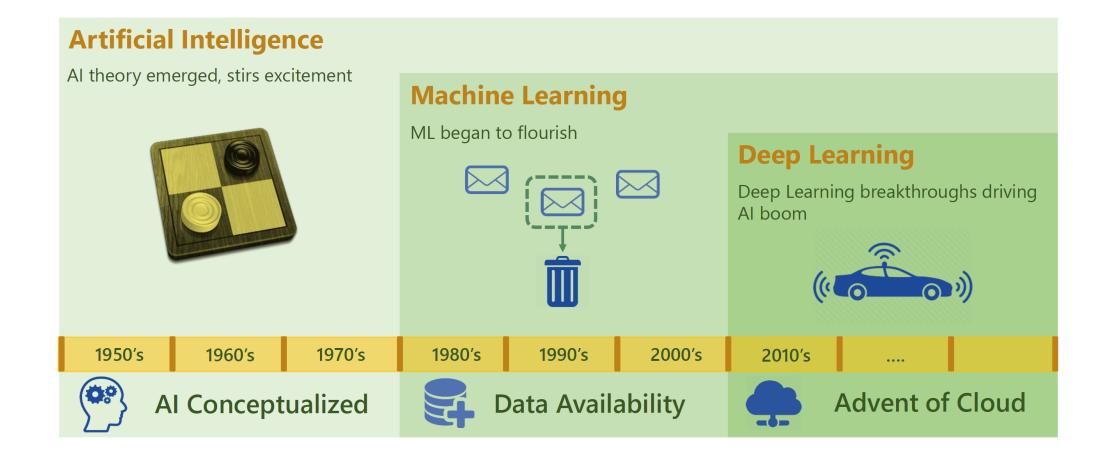


Q3: What is the relationship between AI, ML & DL?





Al in relation to Machine Learning and Deep Learning



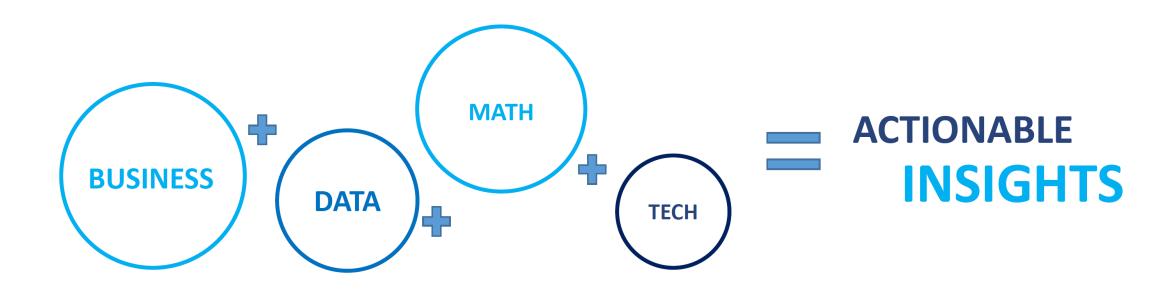


Q4: Enough of gyan on frameworks / high-level details.

Practically, what skills do I need to acquire to solve problems? And can you show real-world examples?









Case Study 1: SR VII Process in SCB GBS



Q5: How are you sure that AI & ML techniques are for the long-term and is not just a fad?





Digital Shift – Fundamental and Irreversible

