Introduction

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AI meets Industry

Internship Platforms

Guidelines

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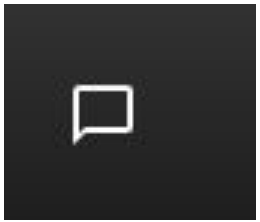
Guidelines

1. **Always have your microphone muted and your camera turned off**
2. If you have immediate doubts, use the chat button at the left bottom of the screen
3. If the stream gets disconnected, kindly wait for the stream to resume.



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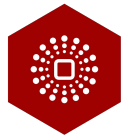
Telegram Group

1. Everyone is requested to join the telegram group
2. All updates and announcements will be posted in the telegram group
3. This will be the main channel of doubt clarification



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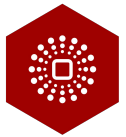
Course structure

1. Lectures - 36 hours
2. Projects - 5 (Group/Individual)
3. Competition - 1 (Hosted online)



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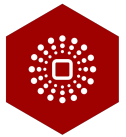
What is AI?

- Artificial Intelligence is the science of making things smart.
- Human intelligence exhibited by machines

Current status of progress in AI

- The systems implemented today are a form of narrow AI
- AGI or Artificial General Intelligence is the intelligence of a machine that can do anything an human can do.
- While AGI is far away, AI solutions already perform better than humans in many challenges today. (Go, chess, Dota2)



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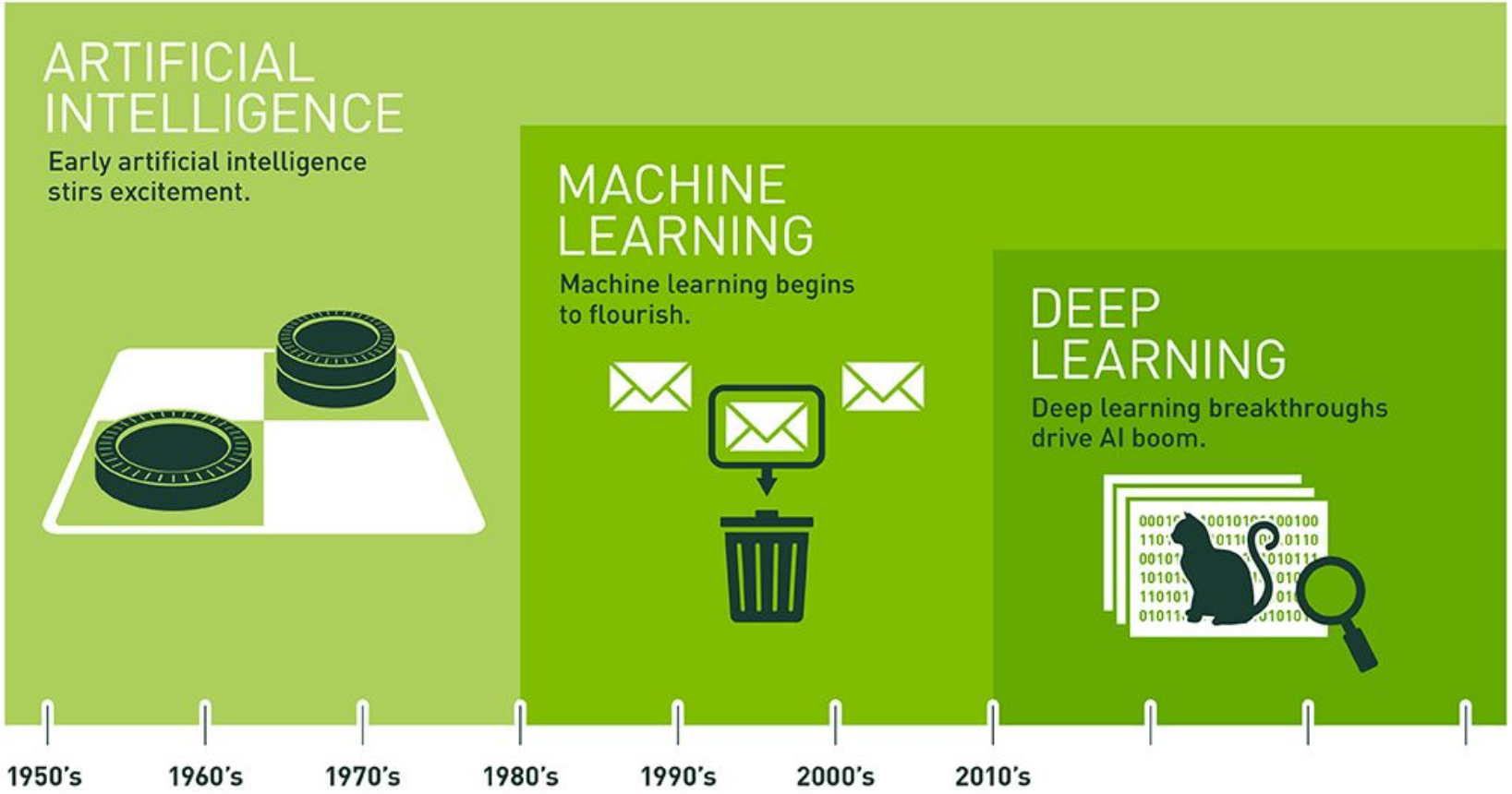


Since an early flush of optimism in the 1950s, smaller subsets of artificial intelligence – first machine learning, then deep learning, a subset of machine learning – have created ever larger disruptions.

What is ML?

- Achieve AI through systems that can learn from experience
- Teach computers to recognize patterns

ML vs traditional approaches

if email contains ‘won lottery’:

then mark is-spam;

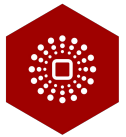
if email contains ….

if email contains ….

try to classify some emails;

change self to reduce errors;

repeat;



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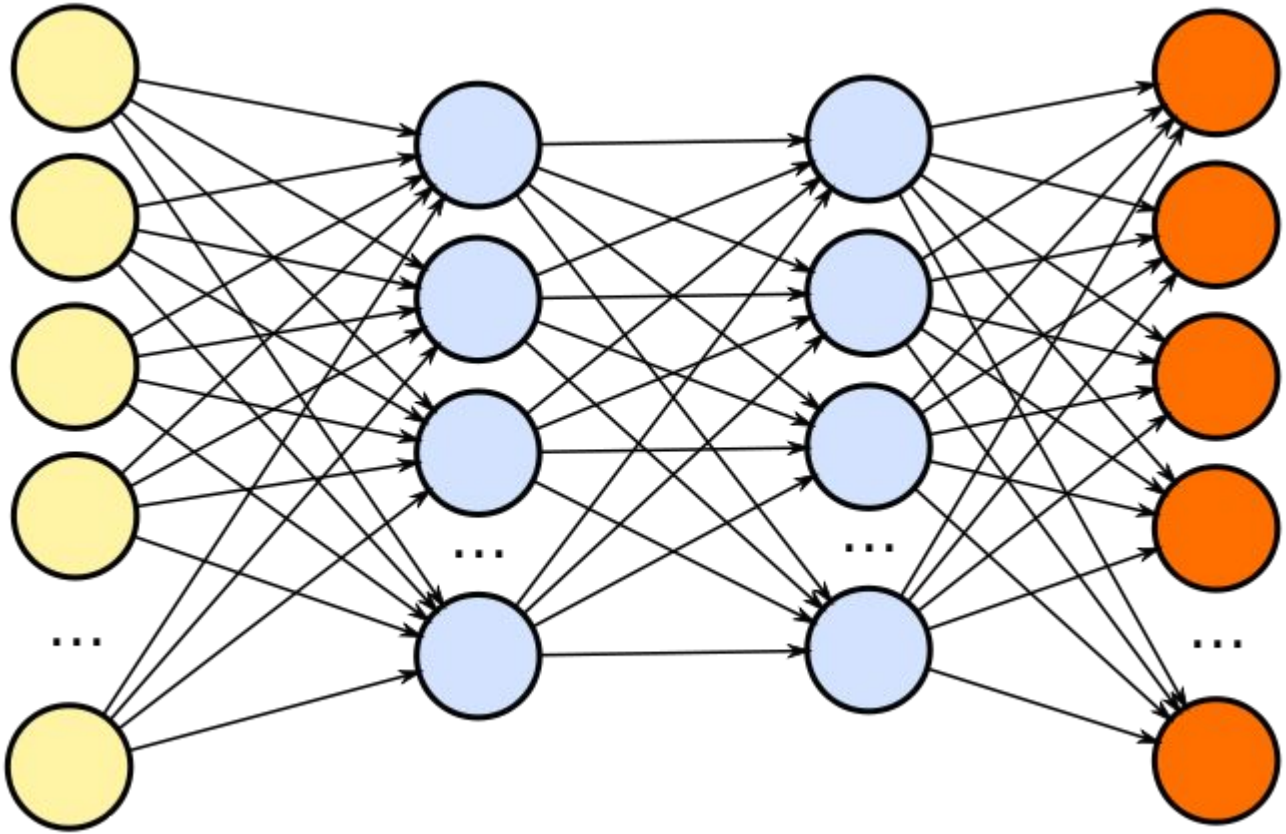
What is DL?

- Deep Learning is a subset of ML
- Mimics the neural connections in brain



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AI as function mapping

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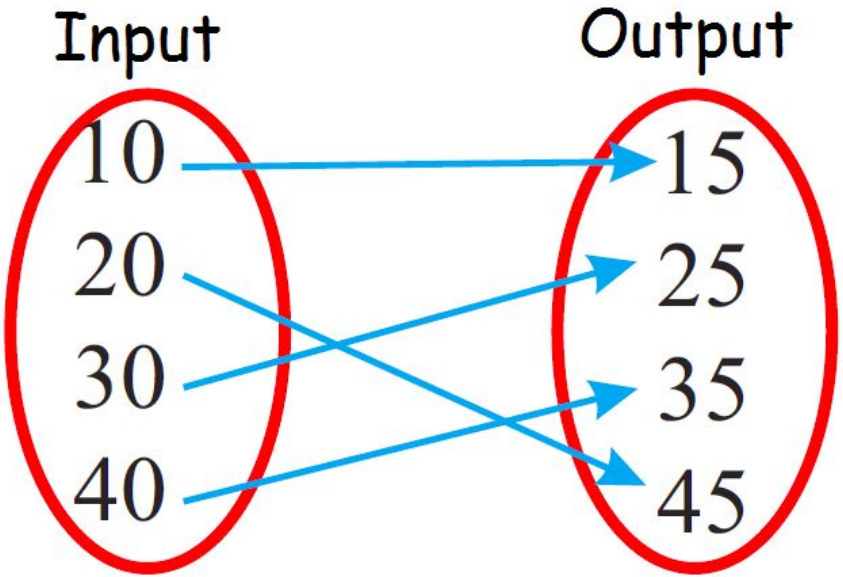

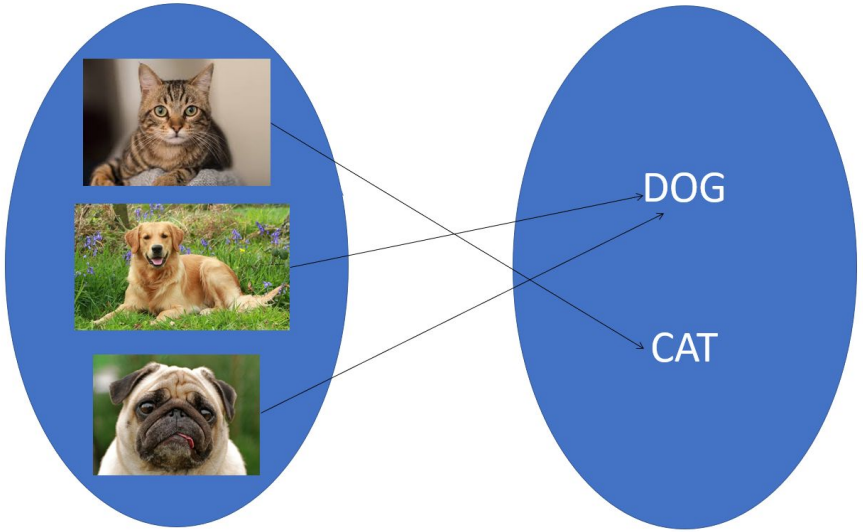

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Syllabus

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AI Growth

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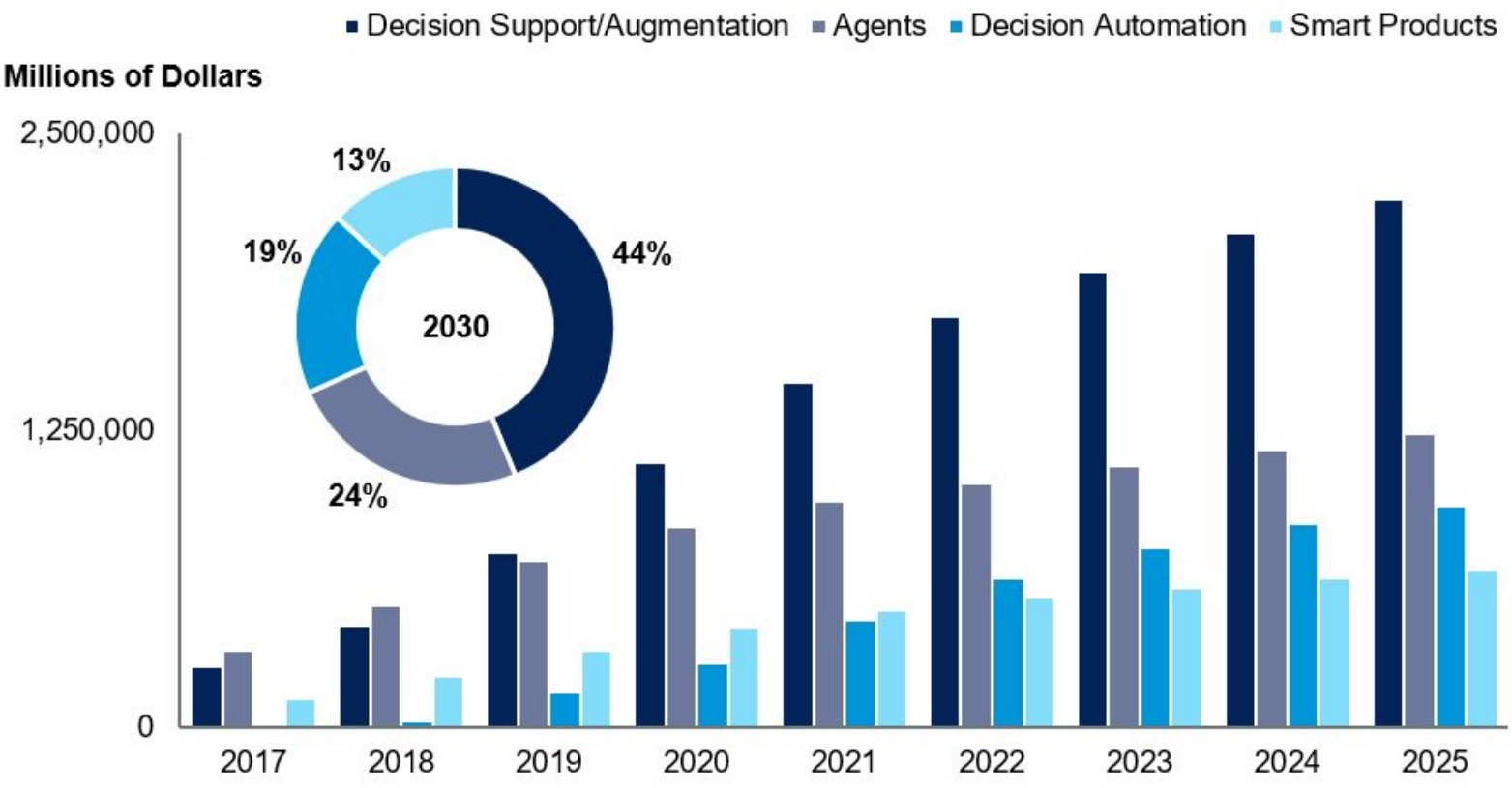
Business Value Forecast by AI Type



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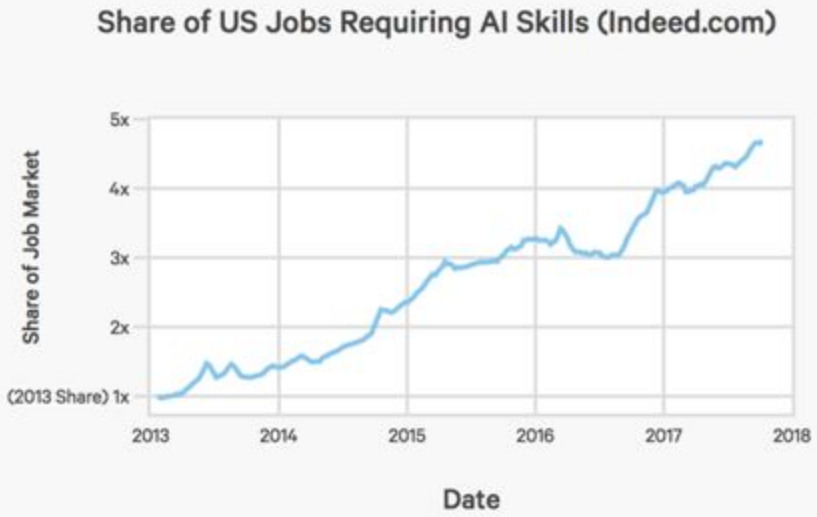

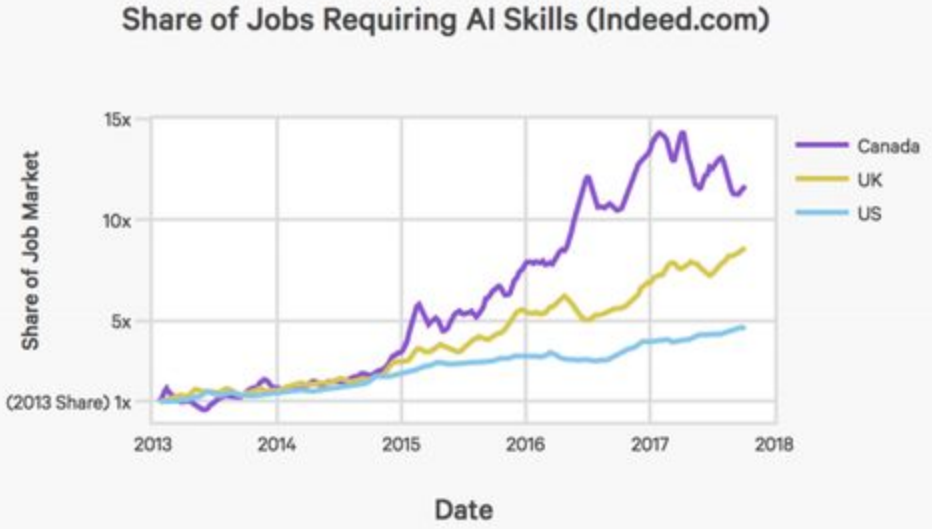

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