

Intro to AI

Course: CSE 3521

Instructor: Peter Plantinga

Reasoning and Learning

Two main areas of artificial intelligence:

- Reasoning AI
 - (or symbolic AI or traditional AI)
 - Uses logic to make predictions
- Learning AI
 - (or machine learning)
 - Uses data to make predictions

History of AI

1936 — Church-Turing thesis (theory of computation)

1943 — McCulloch and Pitts (artificial neurons)

1956 — Dartmouth Workshop (beginning of AI as a field)

1974 & 1987 — AI winters (large drop-off in funding)

1997 — Deep Blue beats Kasparov

2016 — AlphaGo beats Lee Sedol

Types of AI

Boston Dynamics:

<https://www.youtube.com/watch?v=knoOXBLFQ-s>

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AlphaGo: **Both!**

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Thursday Activity

To prepare, read this article:

<https://www.theatlantic.com/science/archive/2017/10/extended-embodied-cognition/542808/>

Course Materials

Course materials are at:

- massey-plantinga.com/pedagogy/CSE3521
- carmen.osu.edu
- piazza.com