

## MIT AGI course Notes 2018

Notes on AGI course from MIT:

<https://agi.mit.edu/>

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Intelligence is not just about pattern recognition

We should be building systems that will program to program other programs.

Probabilistic program

Graphical model

3 or 4 idea that have proven their worth

- symbolic representation

- learning from sparse data

- learning to learn

Transfer learning

Church, Edward, Pyro, BayesFlow, ProbTorch, Meta Rec Gen

Game engine in the head

Game AI

Little AI

Agent model

Inference

Common sense reasoning

Intuitive psychology engine

Hindering utility vs. helping utility

Basics of physics

0 month old what is in their brain

Program that build other programs

Learning as programming

The child as coder

Transpiling

Commenting code

Visual Turing test

Unsupervised learning by algorithmic program synthesis

Visit <http://www.superai.online/solr> for search engine that is evolving.