Grokking Artificial intelligence Algorithms by Rishal Hurbans

Section 1 Intuition of Artificial Intelligence

Intelligence is a mystery. Intelligence is a concept that has no agreed upon definition. Philosophers, psychologists, scientists and engineers all have different opinions about what it is and how it emerges. We see intelligence in nature around us such as groups of living creatures working together, and we see intelligence in the way that we think and behave. In general, things that are autonomous yet adaptive are considered to be intelligent.

This directory has no source code, but rather is a collection of summaries and figures seen in chapter 1

The Evolution of Ai 1950s - The term "artificial intelligence" is coined. Concept of artificial neural network is introduced. - Medel of the Perceptron is invented. - LISP pregramming language is invented. ML medels for prediction are introduced. Out medels for prediction are introduced. - Unlimate robot works on a car assembly line. - Shakey the rebet has natural movement and problem-solving abilities. - Paper highlighting the flaws of Perceptrens creates doubt about the concept. BKG wins at backgammen (with luck). - Evolutionary algorithms are popularized. - Freddy the rebet is able to use visual perception. - Preleg pregramming language is invented. 1980s - LISP machines for export systems Hepe fer neural networks via the introduction of backpropagation. - Swarm intelligence is popularized 19908 - TD-Gammon shows the power of reinfercement learning. NEURAL Experiments with autonomous cars IBM's Deep Blue becomes a chess champion. Rise of internet bets and search. 2000s - Game of checkers is solved. - Face recognition with neural networks. - IBM's Watson wins at Jeopardy. XBex Kinect's advanced metien detection. Smart voice assistants by tech glants. Geegle's Alpha Ge becomes a Ge champion. A[-specific hardware and leT devices. Tumer detection better than decters. - Self-driving cars

Figure 1.5 The evolution of Al

Concepts of Ai

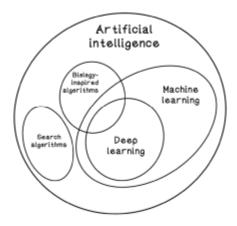


Figure 1.7 Categorization of concepts within AI

Ai Applied

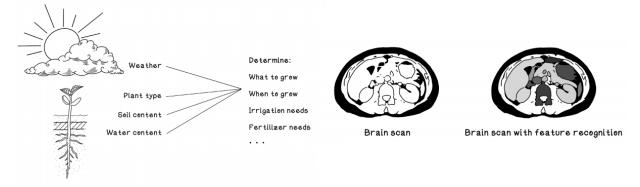


Figure 1.8 Using data to optimize crop farming

Figure 1.9 Using machine learning for feature recognition in brain scans