

Emerging Techniques of Artificial Intelligence and Machine Learning

Extended Resources

Reference URL	Reference Description
https://youtu.be/sXx-PpEBR7k	This video is a short introduction to the Turing Test, an AI benchmark used to determine if a computer can fool a human into thinking it is human as well.
https://www.youtube.com/watch?v=XB4MIexjvY0&t=857s	This video explains Dijkstra's algorithm, which is used in map services to figure out the shortest path.
https://www.youtube.com/watch?v=masnR4-vt3M	This video discusses all the benefits that AI provides such as solving complex problems etc.
https://www.youtube.com/watch?v=zs26A5qVFA4	This video discusses the challenges AI has and what we can do to prepare for them and advance further.
https://www.youtube.com/watch?v=7J-DfS52bnI	This video is a part of a whole series called Cerner's Tech Talk series published in 2016. This portion of the program is called The Genetic Algorithms. The speaker's name is Jeremy Fisher. He gives viewers an explanation of what Genetic Algorithms are and how to implement this type of Algorithm.
https://www.youtube.com/watch?v=Uk9YA1kwZLw	This video is a video from the 1980s called "Edward Feigenbaum & Penny Nii: Expert Systems (excerpt): Thinking Allowed w/ Jeffrey Mishlove". It is a clip from a TV show called ThinkingAllowedTV. In the video, a discussion about Expert Systems- which we know was one of the topics that lead to AI's today- is conducted.
https://www.youtube.com/watch?v=oLHc7rlac2s	This video called "Expert Systems"- provided by an education YouTube channel called "Gregg Learning" gives a brief explanation of what an expert system is.
https://www.youtube.com/watch?v=leXa7EKUPFk	This video called "3. Reasoning: Goal Trees and Rule-Based Expert Systems" is part three of a lecture from MIT in which the speaker describes the logic behind rule-based technology. The full lecture was about building Artificial Intelligence. The speaker is Patrick Winston.
https://www.youtube.com/watch?v=Ozipf13jRr4	This video called "John McCarthy (1927-2011): Artificial Intelligence (complete) - Thinking Allowed -Jeffrey Mishlove" is a clip from a TV show called "ThinkingAllowedTV". It is an interview with John McCarthy who discusses AI.
https://www.analyticsinsight.net/top-10-must-know-artificial-neural-network-software/	This article is a list of different libraries and user interfaces that make artificial neural network creation more user friendly.