



Across

- 2. a question-answering computer system capable of answering questions posed in natural language, developed in IBM
- 5. a type of microprocessor designed to accelerate machine vision tasks
- 6. In addition to neuronal and synaptic state, these type of neural networks incorporate the concept of time into their operating model
- 10. the impossibility of listing all the preconditions required for a real-world action to have its intended effect

Down

- 1. a hypothetical point in the future when technological growth becomes uncontrollable and irreversible, resulting in unfathomable changes to human civilization
- 3. a multidisciplinary branch of engineering that focuses on the engineering of both electrical and mechanical systems
- 4. an ensemble learning method for classification, regression and other tasks that operates by constructing a multitude of decision trees at training time
- 7. a graphical breakdown of a question that dissects it into

- 14. gauges whether a computer-based synthesized voice can tell a joke with sufficient skill to cause people to laugh
- 16. a computer program that plays the board game Go
- 17. the study of mathematical models of strategic interaction between rational decision-makers
- 19. a type of computer software in which source code is released under a license in which the copyright holder grants users the rights to study, change, and distribute the software to anyone and for any purpose
- 20. a computer program or an artificial intelligence which conducts a conversation via auditory or textual methods

- its different components vertically and that progresses into details as it reads to the right
- 8. a term used to refer to data sets that are too large or complex for traditional data-processing application software to adequately deal with
- 9. a class of algorithms for pattern analysis, whose best known member is the support vector machine (SVM)
- 11. a computational method that optimizes a problem by iteratively trying to improve a candidate solution with regard to a given measure of quality
- 12. was a chess-playing computer developed by IBM
- 13. a simple form for the many-valued logic, in which the truth values of variables may have any degree of "Truthfulness" that can be represented by any real number in the range between 0 (as in Completely False) and 1 (as in Completely True) inclusive
- 15. a basic unit of a data structure, such as a linked list or tree data structure
- 18. a technique designed for solving a problem more quickly when classic methods are too slow, or for finding an approximate solution when classic methods fail to find any exact solution