Summary of Artificial Intelligence Articles

Total Articles: 9

Article 1 - Artificial intelligence

URL: https://en.wikipedia.org/wiki/Artificial_intelligence

Content: Artificial intelligence (AI), in its broadest sense, is intelligence exhibited by machines, particularly computer systems.

Total Words: 13055

Unique Words: 4302

Percentage of Unique Words: 32.95%

Percentage of Stopwords: 36.63%

Article 2 - Artificial general intelligence

URL: https://en.wikipedia.org/wiki/Artificial_general_intelligence

Content: Artificial general intelligence (AGI) is a type of artificial intelligence (AI) that matches or surpasses human cognitive capabilities across a wide range of cognitive tasks.

Total Words: 5768

Unique Words: 2217

Percentage of Unique Words: 38.44%

Percentage of Stopwords: 38.56%

Article 3 - A.I. Artificial Intelligence

URL: https://en.wikipedia.org/wiki/A.I._Artificial_Intelligence

Content: A. I. Artificial Intelligence (or simply A. I.) is a 2001 American science fiction film directed by Steven Spielberg.

Total Words: 3654

Unique Words: 1658

Percentage of Unique Words: 45.37%

Percentage of Stopwords: 35.80%

Article 4 - Ethics of artificial intelligence

URL: https://en.wikipedia.org/wiki/Ethics_of_artificial_intelligence

Content: The ethics of artificial intelligence covers a broad range of topics within the field that are considered to have particular ethical stakes.

Total Words: 8665

Unique Words: 3058

Percentage of Unique Words: 35.29%

Percentage of Stopwords: 39.28%

Article 5 - Applications of artificial intelligence

URL: https://en.wikipedia.org/wiki/Applications_of_artificial_intelligence

Content: Artificial intelligence (AI) has been used in applications throughout industry and academia. In a manner analogous to electricity or computers, AI serves as a general-purpose technology that has numerous applications, including language translation, image recognition, decision-making, credit scoring and e-commerce.

Total Words: 9134

Unique Words: 3462

Percentage of Unique Words: 37.90%

Percentage of Stopwords: 32.40%

Article 6 - History of artificial intelligence

URL: https://en.wikipedia.org/wiki/History_of_artificial_intelligence

Content: The history of artificial intelligence (AI) began in antiquity, with myths, stories and rumors of artificial beings endowed with intelligence or consciousness by master craftsmen.

Total Words: 10966

Unique Words: 3640

Percentage of Unique Words: 33.19%

Percentage of Stopwords: 37.58%

Article 7 - Artificial intelligence in healthcare

URL: https://en.wikipedia.org/wiki/Artificial_intelligence_in_healthcare

Content: Artificial intelligence in healthcare is the application of artificial intelligence (AI) to copy or exceed human cognition in the analysis, presentation, and understanding of complex medical and healthcare data.

Total Words: 6573

Unique Words: 2252

Percentage of Unique Words: 34.26%

Percentage of Stopwords: 36.94%

Article 8 - Artificial Intelligence Act

URL: https://en.wikipedia.org/wiki/Artificial_Intelligence_Act

Content: The Artificial Intelligence Act (AI Act) is a European Union regulation concerning artificial intelligence (AI).

Total Words: 1758

Unique Words: 802

Percentage of Unique Words: 45.62%

Percentage of Stopwords: 34.81%

Article 9 - Hallucination (artificial intelligence)

URL: https://en.wikipedia.org/wiki/Hallucination_(artificial_intelligence)

Content: In the field of artificial intelligence (AI), a hallucination or artificial hallucination (also called bullshitting, confabulation or delusion) is a response generated by AI that contains false or misleading information presented as fact.

Total Words: 3611

Unique Words: 1549

Percentage of Unique Words: 42.90%

Percentage of Stopwords: 37.52%

Total Articles: 9

Article 1 - Neural network (machine learning)

URL: https://en.wikipedia.org/wiki/Neural_network_(machine_learning)

Content: In machine learning, a neural network (also artificial neural network or neural net, abbreviated ANN or NN) is a model inspired by the structure and function of biological neural networks in animal brains.

Total Words: 8102

Unique Words: 2759

Percentage of Unique Words: 34.05%

Percentage of Stopwords: 35.78%

Article 2 - Quantum machine learning

URL: https://en.wikipedia.org/wiki/Quantum_machine_learning

Content: Quantum machine learning is the integration of quantum algorithms within machine learning programs.

Total Words: 6145

Unique Words: 1891

Percentage of Unique Words: 30.77%

Percentage of Stopwords: 38.05%

Article 3 - Attention (machine learning)

URL: https://en.wikipedia.org/wiki/Attention_(machine_learning)

Content: Attention is a machine learning method that determines the relative importance of each component in a sequence relative to the other components in that sequence.

Total Words: 3836

Unique Words: 1200

Percentage of Unique Words: 31.28%

Percentage of Stopwords: 30.34%

Article 4 - Adversarial machine learning

URL: https://en.wikipedia.org/wiki/Adversarial_machine_learning

Content: Adversarial machine learning is the study of the attacks on machine learning algorithms, and of the defenses against such attacks.

Total Words: 4709

Unique Words: 1568

Percentage of Unique Words: 33.30%

Percentage of Stopwords: 31.28%

Article 5 - Active learning (machine learning)

URL: https://en.wikipedia.org/wiki/Active_learning_(machine_learning)

Content: Active learning is a special case of machine learning in which a learning algorithm can interactively query a human user (or some other information source), to label new data points with the desired outputs.

Total Words: 1626

Unique Words: 762

Percentage of Unique Words: 46.86%

Percentage of Stopwords: 38.87%

Article 6 - Boosting (machine learning)

URL: https://en.wikipedia.org/wiki/Boosting_(machine_learning)

Content: In machine learning (ML), boosting is an ensemble metaheuristic for primarily reducing bias (as opposed to variance).

Total Words: 1623

Unique Words: 755

Percentage of Unique Words: 46.52%

Percentage of Stopwords: 34.63%

Article 7 - Transformer (deep learning architecture)

URL: https://en.wikipedia.org/wiki/Transformer_(deep_learning_architecture)

Content: A transformer is a deep learning architecture developed by researchers at Google and based on the multi-head attention mechanism, proposed in the 2017 paper "Attention Is All You Need".

Total Words: 8856

Unique Words: 2261

Percentage of Unique Words: 25.53%

Percentage of Stopwords: 32.19%

Article 8 - Ensemble learning

URL: https://en.wikipedia.org/wiki/Ensemble_learning

Content: In statistics and machine learning, ensemble methods use multiple learning algorithms to obtain better predictive performance than could be obtained from any of the constituent learning algorithms alone.

Total Words: 3863

Unique Words: 1341

Percentage of Unique Words: 34.71%

Percentage of Stopwords: 36.97%

Article 9 - Timeline of machine learning

URL: https://en.wikipedia.org/wiki/Timeline_of_machine_learning

Content: This page is a timeline of machine learning. Major discoveries, achievements, milestones and other major events in machine learning are included.

Total Words: 108

Unique Words: 85

Percentage of Unique Words: 78.70%

Percentage of Stopwords: 17.59%

Total Articles: 9

Article 1 - Data science

URL: https://en.wikipedia.org/wiki/Data_science

Content: Data science is an interdisciplinary academic field that uses statistics, scientific computing, scientific methods, processing, scientific visualization, algorithms and systems to extract or extrapolate knowledge and insights from potentially noisy, structured, or unstructured data.

Total Words: 1632

Unique Words: 704

Percentage of Unique Words: 43.14%

Percentage of Stopwords: 32.90%

Article 2 - Data (computer science)

URL: https://en.wikipedia.org/wiki/Data_(computer_science)

Content: In computer science, data (treated as singular, plural, or as a mass noun) is any sequence of one or more symbols; datum is a single symbol of data.

Total Words: 1960

Unique Words: 734

Percentage of Unique Words: 37.45%

Percentage of Stopwords: 40.82%

Article 3 - Data type

URL: https://en.wikipedia.org/wiki/Data_type

Content: In computer science and computer programming, a data type (or simply type) is a collection or grouping of data values, usually specified by a set of possible values, a set of allowed

operations on these values, and/or a representation of these values as machine types.

Total Words: 3119

Unique Words: 1128

Percentage of Unique Words: 36.17%

Percentage of Stopwords: 36.71%

Article 4 - Social data science

URL: https://en.wikipedia.org/wiki/Social_data_science

Content: Social data science is an interdisciplinary field that addresses social science problems by applying or designing computational and digital methods.

Total Words: 1993

Unique Words: 775

Percentage of Unique Words: 38.89%

Percentage of Stopwords: 28.80%

Article 5 - Biomedical data science

URL: https://en.wikipedia.org/wiki/Biomedical_data_science

Content: Biomedical data science is a multidisciplinary field which leverages large volumes of data to promote biomedical innovation and discovery.

Total Words: 699

Unique Words: 369

Percentage of Unique Words: 52.79%

Percentage of Stopwords: 29.47%

Article 6 - Big data

URL: https://en.wikipedia.org/wiki/Big_data

Content: Big data primarily refers to data sets that are too large or complex to be dealt with by traditional data-processing software.

Total Words: 9256

Unique Words: 3292

Percentage of Unique Words: 35.57%

Percentage of Stopwords: 34.87%

Article 7 - Computer science

URL: https://en.wikipedia.org/wiki/Computer_science

Content: Computer science is the study of computation, information, and automation. Computer science spans theoretical disciplines (such as algorithms, theory of computation, and information theory) to applied disciplines (including the design and implementation of hardware and software).

Total Words: 4251

Unique Words: 1620

Percentage of Unique Words: 38.11%

Percentage of Stopwords: 36.89%

Article 8 - Data analysis

URL: https://en.wikipedia.org/wiki/Data_analysis

Content: Data analysis is the process of inspecting, cleansing, transforming, and modeling data with the goal of discovering useful information, informing conclusions, and supporting decision-making.

Total Words: 4915

Unique Words: 1815

Percentage of Unique Words: 36.93%

Percentage of Stopwords: 36.77%

Article 9 - Data engineering

URL: https://en.wikipedia.org/wiki/Data_engineering

Content: Data engineering refers to the building of systems to enable the collection and usage of data. This data is usually used to enable subsequent analysis and data science, which often involves machine learning.

Total Words: 1203

Unique Words: 556

Percentage of Unique Words: 46.22%

Percentage of Stopwords: 35.33%

Total Articles: 9

Article 1 - Educational data mining

URL: https://en.wikipedia.org/wiki/Educational_data_mining

Content: Educational data mining (EDM) is a research field concerned with the application of data mining, machine learning and statistics to information generated from educational settings (e.

Total Words: 2837

Unique Words: 1064

Percentage of Unique Words: 37.50%

Percentage of Stopwords: 35.85%

Article 2 - Examples of data mining

URL: https://en.wikipedia.org/wiki/Examples_of_data_mining

Content: Data mining, the process of discovering patterns in large data sets, has been used in many applications.

Total Words: 3329

Unique Words: 1407

Percentage of Unique Words: 42.26%

Percentage of Stopwords: 34.39%

Article 3 - Lift (data mining)

URL: https://en.wikipedia.org/wiki/Lift_(data_mining)

Content: In data mining and association rule learning, lift is a measure of the performance of a targeting model (association rule) at predicting or classifying cases as having an enhanced response (with respect to the population as a whole), measured against a random choice targeting

model.

Total Words: 900

Unique Words: 341

Percentage of Unique Words: 37.89%

Percentage of Stopwords: 33.11%

Article 4 - Text mining

URL: https://en.wikipedia.org/wiki/Text_mining

Content: Text mining, text data mining (TDM) or text analytics is the process of deriving high-quality information from text.

Total Words: 2785

Unique Words: 1265

Percentage of Unique Words: 45.42%

Percentage of Stopwords: 32.21%

Article 5 - Data stream mining

URL: https://en.wikipedia.org/wiki/Data_stream_mining

Content: Data Stream Mining (also known as stream learning) is the process of extracting knowledge structures from continuous, rapid data records.

Total Words: 887

Unique Words: 461

Percentage of Unique Words: 51.97%

Percentage of Stopwords: 26.83%

Article 6 - Relational data mining

URL: https://en.wikipedia.org/wiki/Relational_data_mining

Content: Relational data mining is the data mining technique for relational

databases. Unlike traditional data mining algorithms, which look for

patterns in a single table (propositional patterns),

relational data mining algorithms look for patterns among multiple tables

(relational patterns).

Total Words: 275

Unique Words: 171

Percentage of Unique Words: 62.18%

Percentage of Stopwords: 26.18%

Article 7 - Data mining in agriculture

URL: https://en.wikipedia.org/wiki/Data_mining_in_agriculture

Content: Data mining in agriculture is the use of data science techniques to analyze large volumes

of agricultural data.

Total Words: 1361

Unique Words: 638

Percentage of Unique Words: 46.88%

Percentage of Stopwords: 34.31%

Article 8 - Cross-industry standard process for data mining

URL: https://en.wikipedia.org/wiki/Cross-industry_standard_process_for_data_mining

Content: The Cross-industry standard process for data mining, known as CRISP-DM, is an open

standard process model that describes common approaches used by data mining experts.

Total Words: 653

Unique Words: 358

Percentage of Unique Words: 54.82%

Percentage of Stopwords: 37.06%

Article 9 - Wrapper (data mining)

URL: https://en.wikipedia.org/wiki/Wrapper_(data_mining)

Content: Wrapper in data mining is a procedure that extracts regular subcontent of an unstructured or loosely-structured information source and translates it into a relational form, so it can be processed as structured data.

Total Words: 397

Unique Words: 233

Percentage of Unique Words: 58.69%

Percentage of Stopwords: 33.25%

Summary of Cloud Computing Articles

Total Articles: 9

Article 1 - Cloud computing

URL: https://en.wikipedia.org/wiki/Cloud_computing

Content: Cloud computing is the on-demand availability of computer system resources, especially data storage (cloud storage) and computing power, without direct active management by the user.

Total Words: 5235

Unique Words: 1880

Percentage of Unique Words: 35.91%

Percentage of Stopwords: 35.07%

Article 2 - Cloud computing research

URL: https://en.wikipedia.org/wiki/Cloud_computing_research

Content: Many universities, vendors, institutes and government organizations are investing in cloud computing research:

In October 2007, the Academic Cloud Computing Initiative (ACCI) was announced as a multi-university project designed to enhance students' technical knowledge to address the challenges of cloud computing.

Total Words: 731

Unique Words: 388

Percentage of Unique Words: 53.08%

Percentage of Stopwords: 32.42%

Article 3 - Cloud computing security

URL: https://en.wikipedia.org/wiki/Cloud_computing_security

Content: Cloud computing security or, more simply, cloud security, refers to a broad set of policies, technologies, applications, and controls utilized to protect virtualized IP, data, applications, services, and the associated infrastructure of cloud computing.

Total Words: 5244

Unique Words: 1782

Percentage of Unique Words: 33.98%

Percentage of Stopwords: 38.18%

Article 4 - Cloud computing issues

URL: https://en.wikipedia.org/wiki/Cloud_computing_issues

Content: Cloud computing is used by most people every day, but there are issues that limit its widespread adoption.

Total Words: 4401

Unique Words: 1707

Percentage of Unique Words: 38.79%

Percentage of Stopwords: 37.74%

Article 5 - Mobile cloud computing

URL: https://en.wikipedia.org/wiki/Mobile_cloud_computing

Content: Mobile Cloud Computing (MCC) is the combination of cloud computing and mobile computing to bring rich computational resources to mobile users, network operators, as well as cloud computing providers.

Total Words: 950

Unique Words: 478

Percentage of Unique Words: 50.32%

Percentage of Stopwords: 29.89%

Article 6 - History of cloud computing

URL: https://en.wikipedia.org/wiki/History_of_cloud_computing

Content: The concept of the cloud computing as a platform for distributed computing traces its roots back to 1993.

Total Words: 1150

Unique Words: 630

Percentage of Unique Words: 54.78%

Percentage of Stopwords: 34.35%

Article 7 - IBM Cloud

URL: https://en.wikipedia.org/wiki/IBM_Cloud

Content: IBM Cloud (formerly known as Bluemix) is a set of cloud computing services for business offered by the information technology company IBM.

Total Words: 948

Unique Words: 485

Percentage of Unique Words: 51.16%

Percentage of Stopwords: 30.17%

Article 8 - Cloud computing architecture

URL: https://en.wikipedia.org/wiki/Cloud_computing_architecture

Content: Cloud computing architecture refers to the components and subcomponents required for cloud computing.

Total Words: 790

Unique Words: 404

Percentage of Unique Words: 51.14%

Percentage of Stopwords: 31.90%

Article 9 - Serverless computing

URL: https://en.wikipedia.org/wiki/Serverless_computing

Content: Serverless computing is a cloud computing execution model in which the cloud provider allocates machine resources on demand, taking care of the servers on behalf of their customers.

Total Words: 2227

Unique Words: 1014

Percentage of Unique Words: 45.53%

Percentage of Stopwords: 36.42%

Total Articles: 8

Article 1 - Computer security

URL: https://en.wikipedia.org/wiki/Computer_security

Content: Computer security (also cybersecurity, digital security, or information technology (IT) security) is the protection of computer software, systems and networks from threats that can lead to unauthorized information disclosure, theft or damage to hardware, software, or data, as well as from the disruption or misdirection of the services they provide.

Total Words: 14807

Unique Words: 4547

Percentage of Unique Words: 30.71%

Percentage of Stopwords: 36.85%

Article 2 - Cybersecurity and Infrastructure Security Agency

URL: https://en.wikipedia.org/wiki/Cybersecurity_and_Infrastructure_Security_Agency

Content: The Cybersecurity and Infrastructure Security Agency (CISA) is a component of the United States Department of Homeland Security (DHS) responsible for cybersecurity and infrastructure protection across all levels of government, coordinating cybersecurity programs with U.

Total Words: 1076

Unique Words: 609

Percentage of Unique Words: 56.60%

Percentage of Stopwords: 25.37%

Article 3 - Capture the flag (cybersecurity)

URL: https://en.wikipedia.org/wiki/Capture_the_flag_(cybersecurity)

Content: Capture the Flag (CTF) in computer security is an exercise in which participants attempt to find text strings, called "flags", which are secretly hidden in purposefully-vulnerable programs or websites.

Total Words: 841

Unique Words: 438

Percentage of Unique Words: 52.08%

Percentage of Stopwords: 34.84%

Article 4 - NIST Cybersecurity Framework

URL: https://en.wikipedia.org/wiki/NIST_Cybersecurity_Framework

Content: The NIST Cybersecurity Framework (CSF) is a set of voluntary guidelines designed to help organizations assess and improve their ability to prevent, detect, and respond to cybersecurity risks.

Total Words: 1920

Unique Words: 821

Percentage of Unique Words: 42.76%

Percentage of Stopwords: 33.28%

Article 5 - International Cybersecurity Challenge

URL: https://en.wikipedia.org/wiki/International_Cybersecurity_Challenge

Content: The International Cybersecurity Challenge is a cybersecurity competition created and organised by a global consortium including Europe (European Union Agency for Cybersecurity (ENISA)), Asia (Code Blue, Div0, BoB, Bitscore), USA (Katzcy), Canada (Cyber*Sci), Oceania (The University of Queensland), Africa (Namibia University of Science and Technology), and Latin America (ICC Latino America)   for people up to the age of 25.

Total Words: 216

Unique Words: 140

Percentage of Unique Words: 64.81%

Percentage of Stopwords: 28.24%

Article 6 - Cyber-security regulation

URL: https://en.wikipedia.org/wiki/Cyber-security_regulation

Content: A cybersecurity regulation comprises directives that safeguard information technology and computer systems with the purpose of forcing companies and organizations to protect their systems and information from cyberattacks like viruses, worms, Trojan horses, phishing, denial of service (DOS) attacks, unauthorized access (stealing intellectual property or confidential information) and control system attacks.

Total Words: 4658

Unique Words: 1718

Percentage of Unique Words: 36.88%

Percentage of Stopwords: 34.78%

Article 7 - Tenable, Inc.

URL: https://en.wikipedia.org/wiki/Tenable,_Inc.

Content: Tenable, Inc. is a cybersecurity company based in Columbia, Maryland. Its vulnerability scanner software Nessus, developed in 1998, is one of the most widely deployed vulnerability assessment solutions in the cybersecurity industry.

Total Words: 318

Unique Words: 192

Percentage of Unique Words: 60.38%

Percentage of Stopwords: 31.45%

Article 8 - Cybersecurity and Infrastructure Security Agency

URL: https://en.wikipedia.org/wiki/Cybersecurity_and_Infrastructure_Security_Agency

Content: The Cybersecurity and Infrastructure Security Agency (CISA) is a component of the United States Department of Homeland Security (DHS) responsible for cybersecurity and infrastructure protection across all levels of government, coordinating cybersecurity programs with U.

Total Words: 1076

Unique Words: 609

Percentage of Unique Words: 56.60%

Percentage of Stopwords: 25.37%

Overall Summary

Total Topics: 6

Total Articles Collected: 53

Articles for Artificial Intelligence: 9

Articles for Machine Learning: 9

Articles for Data Science: 9

Articles for Data Mining: 9

Articles for Cloud Computing: 9

Articles for Cybersecurity: 8