



Market Analysis

Market Analysis - Artificial Intelligence 2020

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The main objective of [Artificial Intelligence Conference for 2020](#) is to congregate scientists, professors through academia, industry and scholars from all over the global to present current research and advances within the relevant fields of [Multimedia](#) and to foster an environment to exchange ideas and knowledge on all technical and practical aspects. All over the world scientists for current advanced research Multimedia 2019 is an knowledge base conference serving professionals from industry and academia to discuss the novel trends in Multimedia Technologies & Applications including Animation, Graphics, Virtual Reality, crypto currency, block chain technology, bit coin, block chain in artificial intelligence, Image processing, Computer Vision & Pattern Recognition, block chain technology, crypto currency Multimedia Networking & Communication and many latest technologies.

Multimedia Applications and Technology has been applied to a good kind of areas including uses in education, entertainment, security, medicine, advertising etc. The rising field of Multimedia Conferences seeks to handle the challenges and outline the longer term of this cross-disciplinary field.

Scope and Importance

[2nd Artificial Intelligence and Cognitive Healthcare Conference](#) will be held in **Venice, Italy** during **June 22-23, 2020**. Multimedia & Applications Conferences continue to bring together specialists and practitioners from both industry and academia to exchange and share their experiences & knowledge, present advanced research analysis outcome, obtain collaborations and to spark new concepts and new ideas, with the aim of developing novel projects and exploiting new technology for Multimedia Technologies. It conjointly provides the premier knowledge domain forum for researchers, practitioners, business delegates and student community to present and discuss the most recent advanced innovations, trends and regarding interactive techniques, practical Challenges encountered and the solutions adopted in the field of Multimedia block chain & Artificial Intelligence.

Members Associated with Multimedia Research

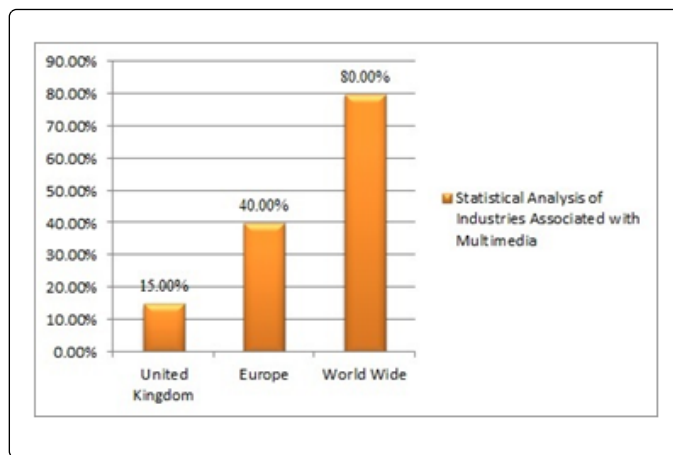
Computer Scientists, Experts, Academic Professors, Practitioners, Software Professionals, Graphic designers, Animators, Artists, Business delegates, scholars, young researchers, talented student community and researchers in the field of Multimedia, Image Processing, Computer Games, Computer Vision, Pattern Recognition, Virtual Reality and so on.

Academia: 45%

Industry: 50%

Others: 5%

Major Industries Associated with Multimedia research across the globe



Revenue Generated by Artificial Intelligence (\$ Millions):

Artificial intelligence (AI) is balance to possess a transformative impact on enterprise, consumers and government markets all around the Global. The information systems impressed by AI encompasses multiple technologies also as machine learning, deep learning, vision, (NLP), machine reasoning.

The world AI market is expected to reach USD 35,870.0 million by 2025 from its direct revenue sources, growing at a CAGR of 57.2% from 2017 to 2025, whereas it is expected to garner around USD 58,975.4 million by 2025 from its enabled revenue arenas, according to a new report by Grand View Research, Inc.

The data point shows the size of the AI market worldwide, from 2016 to 2025. In 2018, the world AI is anticipated to be price approx... 7, 35 billion U.S. dollars. Some current major uses of AI embody image recognition, object identification, detection, and classification in addition as automatic geophysical feature detection. The biggest proportions of revenues come back from the AI for enterprise applications market.

The six basic AI technologies: machine learning, deep learning, PC vision, (NLP), machine reasoning, and AI. Revenue forecasts and segmented by software systems, hardware, and services additionally to segmentation by world region.

Revenue Generated by Block Chain Technology (\$ Millions):

The World block chain technology market size is anticipated to succeed in USD 7.59 billion by 2024, according to a new report by Grand View Research, Inc., registering a 37.2% CAGR throughout the forecast amount. Increasing demand for this technology across monetary services, consumer or industrial products, technology, media and telecommunications, healthcare, transportation, and public sectors is largely responsible for market growth.

Blockchain technology is getting used progressively within the Banking financial Services and Insurance (BFSI) phase for monetary transactions and cross-border payments. Within the banking and monetary sector, it's used to secure payments, maintain client identities, settle cross-border payments, etc.

Blockchain technology is additionally used within the healthcare sector, supply chain management, energy, media, informatics, etc. BFS however, holds the largest share while Blockchain in retail industry under supply chain management is that the quickest growing sector.

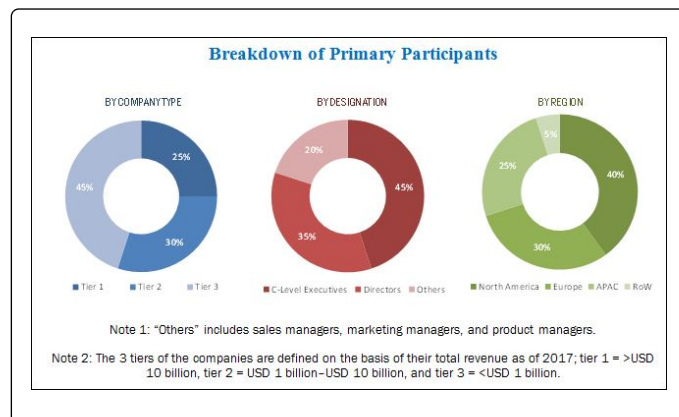
The **artificial intelligence market** was valued at USD 16.06 billion in 2017 and is expected to reach USD 190.61 billion by 2025, at a CAGR of 36.62% during the forecast period. The base year considered for the study is 2017, and the forecast period is between 2018 and 2025.

Artificial Intelligence Market Study Objectives

- To define, describe, and forecast the overall artificial intelligence market segmented on the basis of offerings, technologies, end-user industries, and regions
- To forecast the market size, in terms of value, for segments with respect to 4 major regions North America, Europe, APAC, and RoW
- To provide detailed information regarding the major factors (drivers, restraints, opportunities, and industry-specific challenges) influencing the growth of the market
- To analyze the micromarkets with respect to individual growth trends, prospects, and contributions to the overall market
- To analyze opportunities in the market for various stakeholders by identifying the high-growth segments of the market
- To analyze various strategic developments, such as joint ventures, mergers and acquisitions, product launches, and research and development (R&D), in market

Research Methodology

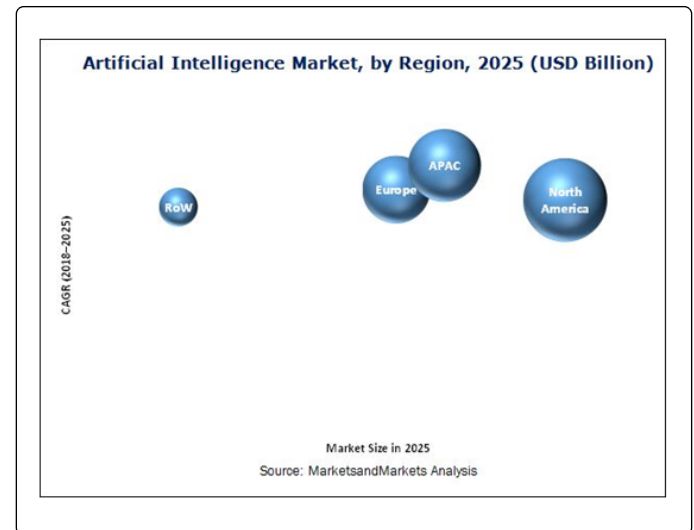
This research study involves the use of secondary sources, directories, and databases (such as D&B Hoovers, Bloomberg Businessweek, Factiva, and OneSource) to identify and collect information useful for the extensive technical, market-oriented, and commercial study of the artificial intelligence market. Primary sources mainly comprise several experts from core and related industries, along with preferred suppliers, manufacturers, distributors, service providers, technology developers, alliances, and standards and certification organizations related to the various parts of this industry’s value chain. In-depth interviews with various primary respondents, including key industry participants, subject matter experts (SMEs), C-level executives of key companies, and consultants, have been conducted to obtain and verify critical qualitative and quantitative information, as well as assess prospects. The breakdown of the profiles of primaries has been depicted in the below figure.



The **artificial intelligence market** is expected to reach USD 190.61 Billion by 2025 from USD 21.46 Billion in 2018, at a CAGR of 36.62% during the forecast period. The market growth is mainly driven by factors such as the increasing adoption of cloud-based applications and services, growing big data, and increasing demand for intelligent virtual assistants. The major restraint for the market is the limited number of AI technology experts.

In this report, the size of the artificial intelligence market has been arrived at based on segments such as offering, technology, end-user

industry, and geography. On the basis of offerings, the market has been segmented into hardware, software, and services. The adoption of AI is rapidly increasing in various applications. As AI is a complex technology requiring the implementation of sophisticated algorithms, AI-based systems require deployment and integration, and support and maintenance services. Also, most companies that manufacture and develop AI-based systems and related software provide both online and offline support, depending on the application.



On the basis of technologies, the artificial intelligence market has been segmented into machine learning (ML), natural language processing (NLP), context-aware computing, and computer vision. Market for computer vision is expected to grow at the highest CAGR. The growing adoption of computer vision in autonomous and semiautonomous applications in various industries, such as manufacturing and automotive, is propelling the growth of this technology in the AI market.

The market has been segmented on the basis of end-user industries into healthcare, manufacturing, automotive, agriculture, retail, security, marketing, human resources, law, and fintech. Of all the end-user industries, the artificial intelligence market for manufacturing is expected to grow at the highest CAGR during the forecast period. Increasing data volume derived from the manufacturing value chain has led to the involvement of AI-enabled data analytics in the manufacturing sector. In addition, several industry initiatives, such as Industry 4.0, a connected manufacturing initiative by the Government of Germany, have proliferated the growth of AI-enabled devices in manufacturing.

On the basis of geography, the artificial intelligence market has been segmented into North America, Europe, APAC, and RoW. The market in APAC is expected to grow at the highest CAGR during the forecast period. This growth can be attributed to the increasing adoption of deep learning and NLP technologies in finance, agriculture, marketing, and law applications in APAC. Moreover, the presence of major players in market ecosystem results in the increasing adoption of these systems in APAC.

Increasing investment in AI technologies

The ability of the AI technology to analyze the collected data efficiently and forecast decisions through crucial algorithms helps in productivity improvement; for instance, Netflix suggests movies on the basis of users’ previous viewing experiences. In the current business scenario, AI has revolutionized the way of business management through integration of workflow management tools, brand purchase advertising, trend predictions, and other tools. These are the major

factors of the increasing investment in AI technologies and machine learning market. Moreover, many small startups and tech companies have been investing in adoption of open-source AI platforms to achieve higher efficiencies in their value chains. Moreover, the growing availability of low-cost quality AI technologies is expected to also contribute to the growth of the market.

Growing need for analyzing and interpreting large amounts of data

AI has varied application areas including media & advertising, finance, retail, healthcare, automotive & transportation, agriculture, law, educational institutions, oil & gas, and other industries. This has driven the market of AI across the globe, owing to developments, such as self-driving cars, space exploration, accurate weather predictions, and others. Furthermore, AI is expected to affect healthcare advancements, owing to its ability to analyze huge amounts of genomic data and ensure more accurate treatment and prevention of medical conditions.

The global artificial intelligence (AI) market was pegged at \$4.06 billion in 2016 and is projected to reach \$169.41 billion by 2025, registering a CAGR of 55.6% from 2016 to 2025.

Rise in investment in AI technologies, increased demand for analyzing and interpreting large amount of data, and surge in customer satisfaction coupled with increase in adoption of reliable cloud application have boosted the growth of the global artificial intelligence (AI) market. However, dearth of trained and experienced staff hampers the market growth. On the contrary, rise in adoption of AI in emerging markets and rapid development of smarter robots are expected to create lucrative opportunities in the near future.

The global AI market is divided on the basis of technology, industry vertical, and geography. Based on technology, the market is segmented into machine learning, natural language processing, image processing, and speech recognition. The machine learning segment held the largest share in 2016, contributing more than half of the market and expected to maintain its dominance throughout the study period. Moreover, the segment is projected to register the fastest CAGR of 56.4% during the forecast period.

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Artificial Intelligence (AI) is considered to be the next stupendous technological development, alike past developments such as the revolution of industries, the computer era, and the emergence of smartphone technology. The North American region is expected to dominate the industry due to the availability of high government funding, the presence of leading players, and strong technical base. Advances in image and voice recognition are driving the growth of the AI market as improved image recognition technology is critical to offer enhanced drones, self-driving cars, and robotics. The AI market can be categorized based on solutions, technologies, end use, and geography.

The two major factors enabling market growth are emerging AI technologies and growth in big data espousal. The growing prominence of AI is enabling new players to venture into the market by offering niche application-specific solutions. Furthermore, companies are also engaging in industry consolidations in a bid to gain competitive advantages. For instance, in January 2017, Microsoft Corporation acquired Maluuba for advancing in the deep learning and AI landscape. Existing solution providers are innovating their product portfolio to include both hardware and software solutions.

The Asia Pacific regional market is expected to be the fastest-growing AI market, owing to the rapid improvements in information storage capacity, high computing power, and parallel processing, which have contributed to the swift uptake of AI technology in end-use industries such as automotive and healthcare.

AI has the potential to reduce the burden on clinicians and provide an efficient tool to workforces for accomplishing their tasks in a better way. For instance, AI voice-enabled symptom checkers can better access a situation and assist patients to the emergency department when immediate treatment is required. AI is expected to resolve around 20% of unmet healthcare demands.