

# **Artificial Intelligence and Cognitive Computing: Market Outlook for Communications, Applications, Content, and Commerce 2017 – 2022**

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## **Abstracts**

Artificial Intelligence (AI) represents machine-based intelligence, typically manifest in "cognitive" functions that humans associate with other human minds. There are a range of different technologies involved in AI including Machine Learning, Natural Language Processing, Deep Learning, and more. Cognitive Computing involves self-learning systems that use data mining, pattern recognition and natural language processing to mimic the way the human brain works.

This research assesses the AI ecosystem, technologies, solutions and market outlook. Key industry verticals covered include use of AI in Internet related services and products, Financial Services, Medical and Bio-informatics, Manufacturing, and Telecommunications. Some of the key application areas covered include Marketing and Business Decision Making, Workplace Automation, Predictive Analysis and Forecast, Fraud Detection and Classification.

The report provides detailed forecasts globally, regionally, and across the following market segments: (1) Predictive Analysis and Forecasting, (2) Marketing and Business Decision Making, (3) Fraud Detection and Classification, and (4) Workplace Automation. The report includes forecasts for software, hardware, and services. The report also covers AI subset technologies, embedded in other technologies, and cognitive computing in key industry verticals.

Those interested in this research will also be interested in the following Mind Commerce reports:

Chatbots and Artificial Intelligence: Market Assessment, Application Analysis, and Forecasts 2017 - 2022

Virtual Personal Assistants (VPA): The Market for AI, Smart Advisors, and Intelligent Agents 2016 – 2021

Select Research Findings:

- Data Mining will be a leading global segment for AI, reaching \$8.5B in revenue by 2022
- Combination of AI and cognitive computing to propel market growth in key industry verticals
- Substantial opportunities for data mining software and platform developers to create algorithms
- AI to take on substantive digital security role as signature-based protection not sufficient for industry
- AI to become a core component of virtually all online communication, digital content, and commerce
- AI to become extensively embedded in many solutions, apps, products and services including predictive analytics, automated laboratories and factories, self-driving cars and unmanned vehicles

### Select Report Benefits:

- Forecasts for AI regionally and across industry verticals 2017 - 2022
- Identify key AI functions for communications, content, and commerce
- Recognize important intellectual property topic areas and patent holders
- Understand challenges and opportunities for AI in workplace automation
- Understand the market direction and future of AI and cognitive computing
- Identify opportunities for AI to improve productivity across industry verticals

### Target Audience:

- Artificial Intelligence companies
- Big Data and analytics companies
- Robotics and automation companies
- Cloud and Internet of Things companies
- Investment firms focused on automation
- Product and service providers of all types
- Governments and NGO R&D organizations

## Contents

### **1 INTRODUCTION**

- 1.1 Research Background
- 1.2 Research Scope
- 1.3 Organizations in Report

### **2 EXECUTIVE SUMMARY**

### **3 ARTIFICIAL INTELLIGENCE**

- 3.1 Overview
- 3.2 Market Definitions
  - 3.2.1 Client
  - 3.2.2 Intelligent Software Agent
  - 3.2.3 Problem Solving
- 3.3 Practical Approaches to AI
- 3.4 Machine Learning
  - 3.4.1 Supervised Learning
  - 3.4.2 Unsupervised Learning
  - 3.4.3 Semi-supervised Learning
  - 3.4.4 Reinforcement Learning
- 3.5 Deep Learning
  - 3.5.1 Artificial Neural Networks
- 3.6 Cognitive Computing
- 3.7 AI Algorithms in Applications
  - 3.7.1 Natural Language Processing
  - 3.7.2 Machine Perception
  - 3.7.3 Data Mining
  - 3.7.4 Motion and Manipulation
- 3.8 Limitations and Challenges for AI Expansion
- 3.9 Artificial Intelligence Opportunities and Drivers
- 3.10 Artificial Intelligence and Digital Security

### **4 INTELLECTUAL PROPERTY LEADERSHIP BY COUNTRY AND COMPANY**

- 4.1 Global AI Patents
- 4.2 AI Patents by Leading Countries

- 4.3 Global Machine Learning Patents
- 4.4 Machine Learning Patents by Leading Countries
- 4.5 Machine Learning Patents by Leading Companies
- 4.6 Global Deep Learning Patents
- 4.7 Deep Learning Patents by Leading Countries
- 4.8 Global Cognitive Computing Patents
- 4.9 Cognitive Computing Patents by Leading Countries
- 4.10 AI and Cognitive Computing Innovation Leadership

## **5 GLOBAL MARKET FOR ARTIFICIAL INTELLIGENCE**

- 5.1 Global Markets for AI 2017 – 2022
- 5.2 Global Market for AI by Segment 2017 - 2022
- 5.3 Regional Markets for AI 2017 - 2022
- 5.4 AI Market by Key Application 2017 – 2022
  - 5.4.1 AI Markets for Predictive Analysis and Forecast 2017 – 2022
  - 5.4.2 AI Market for Marketing and Business Decision Making 2017 – 2022
  - 5.4.3 AI Market for Fraud Detection and Classification 2017 – 2022
  - 5.4.4 AI Market for Workplace Automation 2017 – 2022

## **6 AI IN SELECT INDUSTRY VERTICALS**

- 6.1 Market for AI by Key Industry Vertical 2017 – 2022
  - 6.1.1 AI Market for Internet-related Services and Products 2017 – 2022
  - 6.1.2 AI Market for Telecommunications 2017 – 2022
  - 6.1.3 AI Market for Medical and Bio-Informatics 2017 – 2022
  - 6.1.4 AI Market for Financial Services 2017 – 2022
  - 6.1.5 AI Market for Manufacturing and Heavy Industry 2017 – 2022
- 6.2 AI in other Industry Verticals

## **7 AI IN MAJOR MARKET SEGMENTS**

- 7.1 AI Market by Product Segment 2017 - 2022
- 7.2 Market for Embedded AI within other Technologies 2017 - 2022
  - 7.2.1 AI Algorithms in Data Mining 2017 - 2022
  - 7.2.2 AI in Machine Perception Technology in 2017 - 2022
  - 7.2.3 Market for AI Algorithms in Pattern Recognition Technology 2017 - 2022
  - 7.2.4 Market for AI Algorithm in Intelligent Decision Support Systems Technology 2017 - 2022

## 7.2.5 Market for AI Algorithms in Natural Language Processing Technology 2017 – 2022

### **8 SELECT COMPANIES AND SOLUTIONS**

8.1 Apple Inc.

8.2 Facebook

8.3 Google

8.4 IBM

8.5 Microsoft

### **9 IMPORTANT AI PATENTS 2010 - 2015**

## List Of Figures

### LIST OF FIGURES

- Figure 1: Overall Artificial Intelligence Functionality
- Figure 2: Machine Learning vs. Deep Learning
- Figure 3: Artificial Intelligence support of IoT Security
- Figure 4: AI Patents 2007 - 2017
- Figure 5: AI Patents by Country
- Figure 6: Machine Learning Patents 2007 - 2017
- Figure 7: Machine Learning Patents by Country
- Figure 8: Machine Learning Patents by Owner
- Figure 9: Deep Learning Patents 2007 - 2017
- Figure 10: Deep Learning Patents by Country
- Figure 11: Cognitive Computing Patents 2007 - 2017
- Figure 12: Cognitive Computing Patents by Country
- Figure 13: Artificial Intelligence Market 2017 – 2022
- Figure 14: Artificial Intelligence by Sub-category 2017 - 2022
- Figure 15: Regional Markets for Artificial Intelligence 2017 - 2022
- Figure 16: Artificial Intelligence Market by Application 2017 - 2022
- Figure 17: Artificial Intelligence Market for Predictive Analysis 2017 - 2022
- Figure 18: AI Market for Marketing and Business Decision Making 2017 - 2022
- Figure 19: AI Market for Fraud Detection and Classification 2017 - 2022
- Figure 20: Artificial Intelligence Market for Workplace Automation 2017 - 2022
- Figure 21: Artificial Intelligence Market by Industry Vertical 2017 - 2022
- Figure 22: AI Market for Internet Services and Products 2017 - 2022
- Figure 23: Artificial Intelligence Market for Telecommunications 2017 - 2022
- Figure 24: Artificial Intelligence Market for Medical and Bioinformatics 2017 - 2022
- Figure 25: Artificial Intelligence Market for Financial Services 2017 - 2022
- Figure 26: AI Market for Manufacturing and Heavy Industry 2017 - 2022
- Figure 27: AI Market by Product Segment 2017 - 2022
- Figure 28: Markets for Artificial Intelligence by Segment 2017 – 2022
- Figure 29: Market for AI Algorithms in Data Mining 2017 - 2022
- Figure 30: Market for AI Algorithms in Machine Perception Technology 2017 - 2022
- Figure 31: Market for AI Algorithms in Pattern Recognition Technology 2017 - 2022
- Figure 32: Market for AI Algorithms in Intelligent Decision Support Systems Technology 2017 - 2022
- Figure 33: Market for AI Algorithms in Natural Language Processing Technology 2017 - 2022





## List Of Tables

### LIST OF TABLES

Table 1: Artificial Intelligence Market 2017 – 2022

Table 2: Artificial Intelligence by Sub-category 2017 - 2022

Table 3: Regional Markets for Artificial Intelligence 2017 - 2022

Table 4: Artificial Intelligence Market by Application 2017 - 2022

Table 5: Artificial Intelligence Market for Predictive Analysis and Forecast 2017 - 2022

Table 6: AI Markets for Marketing and Business Decision Making 2017 - 2022

Table 7: Artificial Intelligence Market for Fraud Detection and Classification 2017 - 2022

Table 8: Artificial Intelligence Market for Workplace Automation 2017 - 2022

Table 9: Artificial Intelligence Market by Industry Vertical 2017 - 2022

Table 10: Artificial Intelligence Market for the Internet Services and Products 2017 - 2022

Table 11: Market for AI in the Internet Services and Products by Application 2017 – 2022

Table 12: Regional Market for AI in Internet Services and Products by Application 2017 – 2022

Table 13: Artificial Intelligence Market for Telecommunications 2017 - 2022

Table 14: Market for AI in Telecommunications by Application 2017 – 2022

Table 15: Regional Market for AI in Telecommunications by Application 2017 – 2022

Table 16: Artificial Intelligence Market for Medical and Bioinformatics 2017 - 2022

Table 17: Market for AI in Medical and Bioinformatics by Application 2017 – 2022

Table 18: Regional Markets for AI in Medical and Bioinformatics by Application 2017 – 2022

Table 19: Artificial Intelligence Market for Financial Services 2017 - 2022

Table 20: Markets for AI in Financial Services by Application 2017 – 2022

Table 21: Regional Market for AI in Financial Services by Application 2017 – 2022

Table 22: Artificial Intelligence Market for Manufacturing and Heavy Industry 2017 - 2022

Table 23: Market for AI in Manufacturing and Heavy Industry by Application 2017 – 2022

Table 24: Regional Market for AI in Manufacturing and Heavy Industry by Application 2017 – 2022

Table 25: AI Market Product Segment 2017 - 2022

Table 26: Markets for AI Algorithms in Select Technologies 2017 – 2022

Table 27: Market for AI Algorithms in Data Mining Technology 2017 - 2022

Table 28: Market for AI Algorithms in Machine Perception Technology 2017 - 2022

Table 29: Market for AI Algorithms in Pattern Recognition Technology 2017 - 2022

Table 30: Market for AI Algorithms in Intelligent Decision Support Systems Technology 2017 - 2022

Table 31: Market for AI Algorithms in Natural Language Processing Technology 2017 - 2022

Table 32: Apple Artificial Intelligence Acquisitions

Table 33: Facebook Artificial Intelligence Acquisitions

Table 34: Google Artificial Intelligence Acquisitions

Table 35: IBM Artificial Intelligence Acquisitions

Table 36: Microsoft Artificial Intelligence Acquisitions

Table 37: Key AI Patents

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