

# **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

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