

130M

yottabytes of data produced annually by
IoT-connected devices in 2020

ABI Research's AI & Machine Learning (ML) market intelligence assesses market opportunities of enabling technologies across different end- markets and adjacencies, including the telecommunications industry, consumer services, commercial services, public services, industrial services, and the enterprise. Our approach to market coverage is essentially use-case centric as it looks at technology implementation for each use-case studied. Our extensive coverage, which includes, data, trend, and forecast reports, assesses the key technical and business factors that are essential for shaping various new AI and ML business models, including platform as a service, technology as a service, software licensing, and edge device applications. We aim to provide technology implementers with authoritative insight into the various AI applications they should leverage to best streamline industrial and business processes in the wake of IoT-based technologies and solutions.

TOP QUESTIONS WE RECEIVE FROM INDUSTRY INNOVATORS

Technology Suppliers

- How the different ML hardware and algorithms are mapped against requirements of the different use cases addressed?
- What are the key verticals that will drive AI and ML applications?
- What emerging verticals should my organization target? How big is the revenue opportunity?
- How does ML relate to IoT systems and applications?
- What major challenges will the IoT industry face when managing a myriad of data generated by billions of connected devices?
- Who are the companies and organizations my company should partner with to create adequate solutions for the verticals are targeting?
- Where does my company fit in the AI/ML competitive landscape?
- How can my organization productize open source code? How can we stream value from it?
- How should my company productize open-source code to stream value from the open-source community?
- What are the most successful open-source communities for my company to rely on?

Implementers

- What key opportunities will AI help my company unlock?
- What is the realistic time to maturity of different AI components?
- What is the best approach for integrating AI into my company's ecosystem?
- What criteria should I consider when choosing an AI partner?
- What advanced analytics techniques should my company consider adopting?
- What are the main types of algorithms used in ML today and how this is going to evolve in the future?
- How can my company utilize AI to simplify our business processes?
- What is the difference between predictive and prescriptive analytics, and what is the best course of action for my company to take to effectively keep tabs on all our generated data?
- What can my company discern from our generated data through advanced analytics?
- Are there any security concerns my company should be made aware of when relying on advanced analytics?
- How can my company protect our data and our customers' data?
- What is the value of edge computing versus cloud computing?

COVERAGE AREAS

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| <ul style="list-style-type: none"> • Machine learning • Artificial intelligence • Deep Learning • Data analytics • Predictive analytics • Prescriptive analytics • Algorithms and hardware technologies segmentation | <ul style="list-style-type: none"> • Analysis of AI Tools and SDKs • AI and ML hot technology innovators • Edge AI and ML • Market segmentation and taxonomy of AI and ML uses cases and applications • Different implementation approaches of AI and ML • AI and ML business models | <ul style="list-style-type: none"> • AI and ML use cases in the telecoms industry • AI and ML use cases in the enterprise • AI and ML use cases in the consumer market • AI and ML use cases in the IoT market • The role of open source in | <ul style="list-style-type: none"> shaping new applications and business models Emerging trends in speech and image recognition, machine vision, natural language processing, touch/haptics, and security applications Analyses of edge AI versus cloud AI |
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KEYWORDS

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| <ul style="list-style-type: none"> • Machine learning • Artificial intelligence • Assisted Intelligence • Augmented Intelligence • Autonomous intelligence • Self-learning • Deep learning • Collective intelligence • Ambient intelligence • Natural language processing • Data training | <ul style="list-style-type: none"> • Supervised and unsupervised learning • Rule-based learning • Edge Artificial Intelligence • Cloud based Artificial Intelligence • Distributed Artificial Intelligence • Data Analytics • Advanced analytics • Predictive analytics • Prescriptive analytics • Preventive analytics | <ul style="list-style-type: none"> • Platform as a service • Technology as a service • Solution as a Service • Software licensing • AI Algorithms • AI and ML processors • Parallel processing • Neural processing • Cognitive computing • Open source • Crowds sourcing | <ul style="list-style-type: none"> • Speech recognition • Machine vision • Voice recognition • Virtual Digital Assistant • Haptics/Touch recognition • Intelligent User Interfaces • Automation • Robotics • Digital Transformation |
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