130M
yottabytes of data
produced annually by
IoT-connected devices in 2020

ABI Research's AI & Machine Learning (ML) market intelligence analyzes the technologies as they relate to IoT systems and applications. Our extensive coverage, which includes, data, trend, and forecast reports, assesses the role of open source in 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 speech and image recognition, machine vision, natural language processing, touch/haptics, and security AI and ML technologies for data and analytics that companies 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

- What major challenges will the IoT industry face when managing a myriad of data generated by billions of connected devices?
- What advanced analytics techniques should my company consider adopting?
- What are the key verticals and applications for advanced analytics?
- How does ML relate to IoT systems and applications?
- What are the main types of algorithms used in ML today?
- 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?
- What key opportunities will AI help my company unlock?

- How can my company protect our data and our customers' data?
- What is the realistic time to maturity of different AI components?
- 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?
- What is the best approach for integrating AI into my company's ecosystem?
- What is the value of edge computing versus cloud computing?
- Who are the most successful open source communities that my company should rely on?
- How can my organization productize open source code? How can we stream value from it?
- What emerging verticals should my organization target? How big is the revenue opportunity?
- What key opportunities will AI bring to my company?
- What criteria should I consider when choosing an AI partner?

COVERAGE AREAS

- Machine learning
- Artificial intelligence
- IoT
- Connected devices
- Data generation
- Advanced analytics
- Predictive analytics

- Prescriptive analytics
- The role of open source in 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 computing versus cloud computing

KEYWORDS

- Machine learning
- Artificial intelligence
- IoT
- Connected devices
- Data generation
- Advanced analytics
- Predictive analytics

- Prescriptive analytics
- Platform as a service
- Technology as a service
- Edge analytics
- Software licensing
- Parallel processing
- Open source

- Data training
- Cognitive computing
- Deep learning
- Neural processing
- Natural language processing
- Touch/haptics
- Speech recognition

- Image recognition
- Security
- AI Platform as a Service
- Voice recognition
- Machine vision (MV)
- Collective intelligence
- Ambient intelligence

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