

AI TRANSFORMATION

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H2O Driverless AI

Executive Brief



The New Boardroom Priority – AI

Your business could be next. Tech giants with seemingly unlimited computing resources and vast teams of data scientists are disrupting every industry, every product, and every service, with no end in sight. To compete and win in this new world, you and your board know that you need an AI strategy that will help your business to be more efficient and intelligent. According to an Economist Intelligence Unit Survey of business leaders across industries, (Report) – 75% of executives surveyed anticipate AI to be “actively implemented” in their part of the business within the next three years. Your peers believe that the primary benefits of AI will likely be better customer experiences, improvements in key performance metrics such as revenue and operating efficiency, and the quality of decision making. 44% of executives said that delaying AI implementation will make their business vulnerable to new, disruptive tech startups.

“Lack of staff and skills to conceive and execute AI projects is a significant obstacle to progress for many organizations.”

- Gartner Research

The Data Science Talent Shortage

Experienced data science resources are scarce. A recent McKinsey & Company survey (here) showed that data scientists continue to be in high demand. Even though universities are adding data science and advanced analytics programs; the report estimates that there will continue to be a shortfall of some 250,000 data scientists in the job market.

While novice data scientists are starting to emerge from degree programs, they lack the real-world experience to drive mission-critical projects. Also, individuals in related fields like data engineering, domain scientists, and statisticians are moving into data science to fill the gap. Adding talented new people and people from other areas is a step in the right direction, but these groups lack specific knowledge of data science algorithms and the advanced techniques that experienced data scientists use to achieve highly accurate results and create production-ready models.

Automatic Machine Learning with H2O Driverless AI

H2O Driverless AI is an automatic machine learning platform that gives you an experienced “data scientist in a box” to create AI driven products and services to transform your business.

Accelerate Your AI Strategy

H2O Driverless AI employs the techniques of master data scientists in an easy to use application that helps your data science team scale. Driverless AI empowers data scientists to work on projects faster and more efficiently using automation and state-of-the-art computing power to accomplish tasks in minutes that typically take months. Novice data scientists, data engineers, domain scientists, and statisticians can also use Driverless AI to develop highly accurate machine learning models to increase the number of business problems you can solve with AI. For all these users, the Driverless AI application does all the heavy lifting of creating advanced modeling features, comparing thousands of models and tuning the model parameters. These are all the advanced operations that a senior data scientist would perform to optimize model performance.



“Using AI to do AI is absolutely a watershed moment in our industry.”

- Martin Stein, Chief Product Officer, G5

Deliver Trusted and Compliant AI

H2O Driverless AI creates models with trust and compliance in mind. A best-in-class machine learning interpretability (MLI) dashboard provides clear explanations of model results, so your team knows exactly how the model works. The platform automatically offers robust model documentation which saves time and ensures transparency in model development. Also, the real-time scoring engine provides reason codes for each score in plain language to explain the key factors driving the result. Driverless AI even provides an easy way to integrate the reason code information into your business applications with a simple API. Regulations like GDPR require both an overall explanation of model development and individual reasons for a decision.

Rapid Time to Value from AI

Even with highly accurate, high-performance models, you still need your data science and business teams to be able to collaborate to put your models to work on live data in production. H2O Driverless AI enables one-button publishing of model results as a prepackaged real-time scoring engine that is easy to deploy. To ensure that your system is optimized, you will also have access to experienced data scientists and systems consultants from H2O.ai who can help you design and streamline the production process for your AI system.

Putting AI to Work

Early adopters of AI are already creating competitive advantage across industries, and the distance between winners and losers is growing. Automation of existing processes and the creation of new products and services is driving better customer experiences, increasing productivity, lowering costs, and increasing revenues. Experts believe that AI-driven innovation will further expand the growing productivity and revenue gap between high-performing firms and those left behind. H2O Driverless AI is a new way that your business can rapidly scale AI applications by enabling more people across your organization to build high-performance models and by streamlining the process of putting those models to work.

Get Started Today

H2O.ai, the open source leader in AI, empowers companies to improve customer experiences, drive more accurate decisions, and increase productivity to position their businesses for success. Contact sales@h2o.ai for more details and to schedule a meeting or demonstration.

Get the 21-day free trial at www.H2O.ai

About H2O.ai

H2O.ai is the open source leader in AI. Its mission is to democratize AI for everyone. H2O.ai is transforming the use of AI with software with its category-creating visionary open source machine learning platform, H2O. More than 14,000 companies use open-source H2O in mission-critical use cases for Finance, Insurance, Healthcare, Retail, Telco, Sales, and Marketing. H2O Driverless AI, "Data Scientist in a Box", provides an easier, faster and effective means of implementing data science. In February 2018, Gartner named H2O.ai, as a Leader in the 2018 Magic Quadrant for Data Science and Machine Learning Platforms. H2O.ai partners with leading technology companies such as NVIDIA, IBM, AWS, Azure and Google and is proud of its growing customer base which includes Capital One, Progressive Insurance, Comcast, Walgreens and Kaiser Permanente. For more information and to learn more about how H2O.ai is transforming business with AI, visit: www.h2o.ai

