



# Artificial Intelligence and Machine Learning Best-of-Breed Platforms

Onward toward the future of autonomous enterprises

Q3 2020

## AI & ML BEST-OF-BREED PLATFORMS

ALGORITHMIA  
AITO.AI  
AYASDI  
BIGSQUID  
COGNITIVESCALE  
DATAROBOT  
ELEMENT AI

CONSTELLATION  
ShortList™

14  
solutions  
to know

H2O.AI  
KORTICAL KAI  
NARA LOGICS  
PREMONITION  
RAINBIRD TECHNOLOGY  
STRADIGI AI  
WIPRO HOLMES

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The Constellation ShortList™ presents vendors in different categories of the market relevant to early adopters. In addition, products included in this document meet the threshold criteria for this category as determined by Constellation Research.

This Constellation ShortList of vendors for a market category is compiled through conversations with early adopter clients, independent analysis and briefings with vendors and partners.

### About Constellation Research

As an award-winning Silicon Valley-based strategic advisory and futurist analyst firm, Constellation Research serves leaders and organizations navigating the challenges of digital strategy, business-model disruption and digital transformation.

Constellation works closely with solution providers, partners, C-suite executives, board of directors, and its Constellation Executive Network of buy-side leaders to lead the way in research coverage and advise clients how to achieve valuable business results.

### About This Constellation ShortList™

Artificial intelligence (AI) platforms enable organizations and individuals to build intelligent applications based on data. AI platforms must provide the facilities to ingest complex data, address rapidly generated or constantly evolving data, rectify and amplify hard-to-find signals, craft models where human-powered analytics are slow, enable resolution for highly iterative models, decrease the time to generate models and improve accuracy rates.

Seven key components for AI success include the ability to handle large amounts of complex data, deliver massive compute power, compress time, provide math talent, embody domain expertise, leverage human user experience and support contextual decisions. Best-of-breed platforms do not rely on one cloud vendor to handle the complex data, massive compute power and time compression. Instead, they reserve the option to apply a multicloud strategy.

The end goal of AI platforms is to provide the infrastructure to support contextual decisions. These contextual decisions power an array of AI-driven smart services required to deliver next best action across a range of business processes. These solutions typically do not come from an

infrastructure-as-a-service vendor or cloud compute infrastructure provider.

The market has seen vast consolidation and some attrition as large hyperscale cloud companies have made some acquisitions and others have merged or exhausted funding.

## Threshold Criteria

Constellation considers the following criteria for a complete solution. Leading providers deliver on five out of eight requirements:

- Provides access to scalable computing infrastructure (cloud, hybrid or on-premises)
- Offers compute power acceleration
- Delivers advanced natural language processing (NLP)
- Furnishes microservices and application programming interface (API)-driven access to algorithm libraries and services
- Supports automation of processes
- Supplies supervised and unsupervised learning
- Facilitates machine learning interpretability
- Enables automatic visualization

## The Constellation ShortList™

Constellation evaluates more than 50 solutions categorized in this market. This Constellation ShortList is determined by client inquiries, partner conversations, customer references, vendor selection projects, market share and internal research.

- Algorithmia
- Aito.ai
- Ayasdi
- BigSquid
- CognitiveScale
- DataRobot
- Element AI
- H2O.ai
- Kortical KAI
- Nara Logics
- Premonition
- Rainbird Technologies
- Stradigi AI
- Wipro HOLMES

## Frequency of Evaluation

Each Constellation ShortList will be updated once per year. There could be an update after six months, should the analyst deem it necessary.

## Evaluation Services

Constellation clients can work with the analyst and research team to conduct a more thorough discussion of this ShortList. Constellation can also provide guidance in vendor selection and contract negotiation.

## Business Themes



Next-Generation  
Customer Experience



Data to Decisions



Future of Work



Matrix Commerce



New C-Suite



Technology  
Optimization



Digital Marketing &  
Sales Effectiveness



Digital Safety  
& Privacy

To learn more:

Visit [www.constellationr.com/ShortList](http://www.constellationr.com/ShortList)  
or email [shortlist@constellationr.com](mailto:shortlist@constellationr.com)



### R "Ray" Wang Founder and Principal Analyst

R "Ray" Wang provides insight into how disruptive technologies and new business models—such as digital transformation— impact brands,

enterprises and organizations. He also focuses on harnessing innovation, creating next-generation business and IT leadership, and applying the new rules of business. Wang has held executive roles in product, marketing, strategy and consulting at companies including Forrester Research, Oracle, PeopleSoft, Deloitte, Ernst & Young and Johns Hopkins Hospital.

