

Predictive Data Science with Amazon SageMaker and a Data Lake Quick Start

Unlock the value of your data with this Quick Start from Pariveda and AWS



PARIVEDA

aws  competency

Pariveda Solutions is an Amazon Web Services (AWS) Machine Learning Competency Partner and a Premier Consulting Partner.

Industry trends & challenges

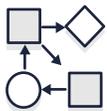
With data seemingly everywhere and machine learning (ML)'s ability to cause transformation, it is crucial for businesses to leverage their data and adopt machine learning. So, which machine learning ideas are feasible for your business? Which will provide the most value in the short term and the long term? The challenge in getting started with machine learning isn't a lack of ideas. The challenge is understanding the business and organizational value of each idea, the internal collaboration required, prioritizing potential projects, and then testing, learning, and finally turning those insights into actions to realize value. Once you have the right ideas, you need to build applications that turn insight into action.

The Pariveda Solution

The Predictive Data Science with Amazon SageMaker and a Data Lake Quick Start allows your team to unlock the power of the Amazon SageMaker platform to deploy a best-practices-enabled ML pipeline in minutes and modify it for custom models in hours. The ML Pipeline in Pariveda's architecture leverages the Data Lake in Amazon S3 ensuring that all incoming data is ready to train new versions of the model. It also enable easy-to-use prediction endpoints that can be consumed in any application, converting predictive insights into value-realizing action. Additionally, the architecture is production ready, leveraging native AWS services to provide event-driven processing, dashboard monitoring, and model deployment automation. With utilizing the suite of AWS capabilities and Pariveda architecture, customers will see a new ability to scale data and go from data to insights to action quickly.

Benefits

Start identifying, assessing, prioritizing, and realizing ML opportunities with the Quick Start developed by Pariveda and AWS.



Standardized methodology

Identify value-generating ML applications with a rigorous approach tailored to your needs



Expert-approved

Created and tested by Pariveda data scientists across different industries



Ease of Use

Prediction endpoints can be consumed in any application to convert insights quickly



Production Ready

End-to-end data flow turns your experiments into production systems in hours

Solution Space

Discover scalable and secure solutions that will empower you to achieve your business needs with Amazon Web Services (AWS) and AWS Partner Network (APN) Partners that have attained AWS Competency designations. Customer ready solutions are based on architectures validated by AWS, include a combination of AWS services and APN Partner technologies, can be deployed quickly with solution accelerators like AWS Quick Starts, and feature optional consulting offerings provided by APN Partners, to accelerate your cloud transformation.

[Click here to get started with this Solution Space offering](#)

Solution overview

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Pariveda's Predictive Data Science Roadmap Offer

Pariveda takes a holistic view of the people, process, and AWS technology required to support your machine learning capabilities for the long term, and recognizes that every company is starting their journey from a different position. Pariveda will supplement the Quick Start offer with consulting services to help you find the right ML ideas to drive value, and show how to properly implement those solutions on AWS.



Pariveda on AWS

This Quick Start is built by AWS solution architects and Pariveda Solutions to help you deploy Machine Learning solutions on AWS, based on AWS best practices for security and high availability. This reference deployment implements key technologies automatically on the AWS Cloud with a quick turn around. You can build your test or production environment in a few steps, and start using it immediately.

How it works

An important aspect of Pariveda's Artificial Intelligence (AI)/ML engagements is the focus on establishing a robust data governance and data engineering foundation. This means you gain the benefit of data scientists focusing on the insights and outcomes necessary to improve your business. In our experience, the machine learning ideas that prove most likely to succeed will meet the "line of feasibility." AWS enables us to take you to that line quickly to see the value in your data.



Getting started

Recognizing that the ability to productionize models doesn't benefit the business until valuable models have been developed, Pariveda has also developed two consulting offers to help customers. Getting started with Pariveda Solutions is simple and fast. We'd love to hear about your AI/ML ideas and find time to sit down with you for an ideation workshop. Together, we will make your machine learning ideas a reality and co-create value for your business.

[Pariveda offering on Solution Space Getting Started](#)



About AWS: For 10 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 100 services for compute, storage, databases, analytics, mobile, Internet of Things (IoT) and enterprise applications from 49 Availability Zones (AZs) across 18 geographic regions in the United States, Canada, Europe, Asia, Australia and South America. AWS services are trusted by more than a million active customers around the world – including the fastest growing startups, largest enterprises, and leading government agencies – to power their infrastructure, make them more agile, and lower costs. To learn more about AWS, visit <http://aws.amazon.com>.

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