Faster AI & Analytics: SAS® Viya® Outperforms the Competition

The importance of Artificial Intelligence (AI) for businesses is clear. Companies that leverage AI tools have distinct advantages over their peers, with AI Machine Learning (AI/ML) proving invaluable for finding and enabling insights buried within corporate data.

SAS asked The Futurum Group to independently analyze and review the performance results of SAS Viya and several leading commercial and open-source AI/ML alternative options. The Futurum Group Lab worked together with SAS engineering teams to compare SAS Viya against competitive offerings. We ran over 1500 tests across different Azure Cloud architecture using identical instance types to provide accurate comparisons.

"The Performance of SAS Viya was Impressive, they didn't just outperform competing AI/ML libraries, they crushed the competition." **– Russ Fellows, Principal Analyst, The Futurum Group**

SAS Viya Outperforms Competitors

Performance is an important consideration, impacting business agility, efficiency and ultimately enabling business decisions and results faster. The Futurum Group Labs testing found multiple benefits compared to using alternative AI/ML options.

Average **30X** faster than Competitors	**Faster** than H20, SparkML and "Competitor-A"
Better Scalability than Competitors	**Better** Performance with Large Datasets
Up to **326X** Faster Average **49X** Faster	**Outperformed** "Competitor-A" in Microsoft Azure

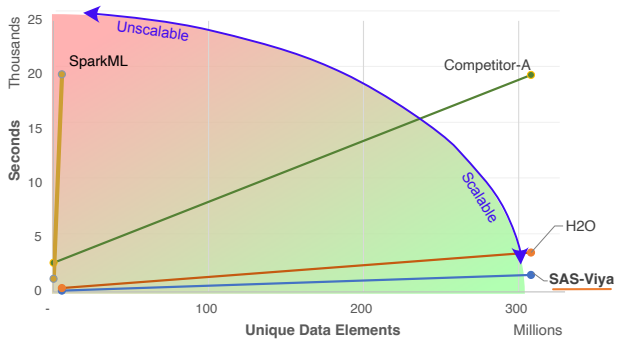
Futurum Group Labs: SAS Viya Test Results including Executive Summary, Lab Insight and Test Datasets:

† ***https://futurumgroup.com/sas-viya***

Superior Scalability of SAS Viya

While testing SAS Viya against competitors, The Futurum Group found that the larger the dataset the better Viya performed.

Specifically, when training a model on a dataset with over 300 million unique data elements, Viya delivered results in under 12 minutes where two primary competitors SparkML and Competitor-A, ran for hours before failing to yield any results.

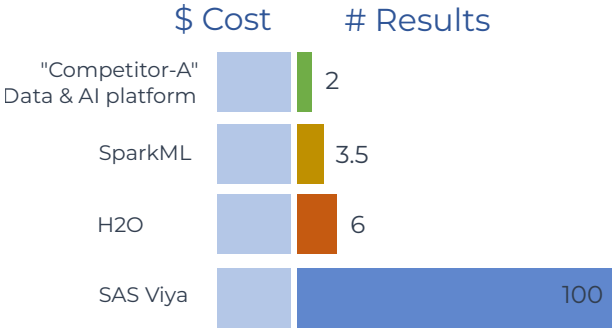


SAS Viya Delivers Lower Cloud Operating Costs

The value of SAS Viya lies in its ability to deliver business critical decisions significantly faster, and at lower operating costs than the alternatives tested. This combination of accuracy and speed provides companies using Viya significantly more options than companies who utilize alternative AI/ML platforms.

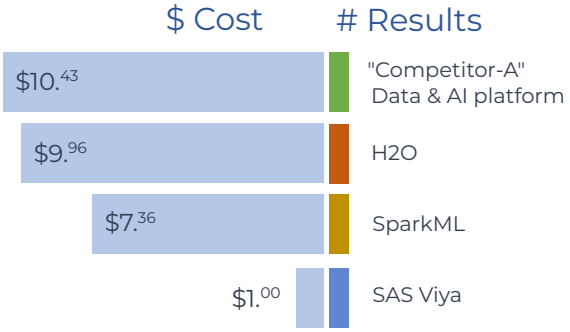
With Viya's performance advantage, data scientists may investigate more model options without increasing their operational costs, or may instead choose a model that yields good results and decrease their operational costs compared to using alternative AI/ML tools. The flexibility to optimize development and retraining runs while still minimizing expenses provides significant business value.

Do **More Work** for the Same Cost



SAS Viya Average **30X More** Results with the Same Cost

Do the Same Work for **Less Cost**



SAS Viya Over **86%+ Lower** Operational Costs

About The Futurum Group

The Futurum Group is a family of industry research, advisory, consulting, and media companies focused on analyzing emerging and market-disrupting technologies, identifying and validating trends, and delivering data and insights that empower clients to find their competitive edge in the digital economy.