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What users are saying about

Apache Spark vs SAS Advanced Analytics



Apache Spark

Score 8.3 out of 10

Based on [117 reviews and ratings](#)

X



SAS Advanced Analytics

Score 8 out of 10

Based on [90 reviews and ratings](#)

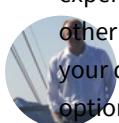
X

Likelihood to Recommend

“ The software appears to run more efficiently than other big data tools, such as Hadoop. Given that, Apache Spark is well-suited for querying and trying to make sense of very, very large data sets. The software offers many advanced machine learning and econometrics tools, although these tools are used only partially because very large data sets require too much time when the data sets get too large. The software is not well-suited for projects that are not big data in size. The graphics and analytical output are subpar compared to other tools.

[Read full review](#)

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“ SAS Advanced Analytics excels with projects that have at least 3 parts. The first part is the ability to address and compare different modeling types. Suppose you are an analyst interested in predicting home prices or whether an individual will reapply for unemployment insurance. There are lots of model types that could work for these two situations. SAS Advanced Analytics makes it easy (although not as easy as SAS Enterprise Miner) to compare the performance of different modeling types, such as comparing support vector machines with random forest models. A second scenario that SAS Advanced Analytics does a good job at is making the analysis reproducible. By showing the lineage of analyses, another analyst is able to follow the work of the previous analyst. This is a huge advantage for individuals working in corporations or governments. The third area SAS Advanced Analytics is useful is in text analytics. The field is huge now, and I haven't come across a software that makes text analytics as easy as SAS Advanced Analytics.

[Read full review](#)
Thomas Young

Owner, previous CEO

Econometric Studios (Financial Services, 11-50 employees)

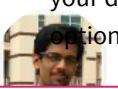
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Pros

- Rich APIs for data transformation making for very each to transform and prepare data in a distributed environment without worrying about memory issues
- Faster in execution times compare to Hadoop and PIG Latin
- Easy SQL interface to the same data set for people who are comfortable to explore data in a declarative manner
- Interoperability between SQL and Scala / Python style of munging data

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Nitin Pasumarty
Software Engineer

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(Internet, 5001-10,000 employees)

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- Complex Survey Analysis- SAS is a great resource if you need to analyze complex survey data. One can easily write code for this by inserting (survey) in front of the procedure with the weight, cluster, and strata variables. (ex: surveyfreq)
- Modeling/ Graphing- SAS creates clean and easy to understand graphs and models which take visual data to the next level.
- Support- There is a large SAS Advanced analytics online support in place. It is easy to find help on many procedures that you will use in this software.

[Read full review](#)**Verified User**

Employee in Other
 (Health, Wellness and Fitness Company, 51-200 employees)

[View all 13 answers on this topic](#)**Cons**

- Memory management. Very weak on that.
- PySpark not as robust as scala with spark.
- spark master HA is needed. Not as HA as it should be.
- Locality should not be a necessity, but does help improvement. But would prefer no locality

[Read full review](#)**Anson Abraham**

Data Czar

EnviaSage Inc (Marketing and Advertising, 51-200 employees)

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SAS Analytics does not have very good graphic capabilities. Their advanced graphics



packages are expensive, and still not very appealing or intuitive to customize. Search TrustRadius
SAS Analytics is not as up-to-date when it comes to advanced analytical techniques as R or other open-source analytics packages.



[Read full review](#)



Remy Welch
Consultant
Deloitte (Management Consulting, 10,001+ employees)

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Likelihood to Renew

No score

No answers yet

No answers on this topic

SAS Advanced Analytics 4.5

Based on 5 answers

“ Not only does SAS become easier to use as the user gets more familiar with its capabilities, but the customer service is excellent. Any issues with SAS and their technical team is either contacting the user via email, chat, text, WebEx, or phone. They have power users that have years of experience with SAS there to help with any issue.

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Nathan Och
Analytics Specialist
Array Services Group (Financial Services, 501-1000 employees)

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Usability
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No answers yet

No answers on this topic

SAS Advanced Analytics 6.1

Based on 2 answers

“ If SAS Enterprise Guide is utilized any beginning user will be able to shorten the learning curve. This allows the user a plethora of basic capabilities until they can utilize coding to expand their needs in manipulating and presenting data. SAS is also dedicated to expanding this environment so it is ever growing.

[Read full review](#)

Nathan Och
Analytics Specialist
Array Services Group (Financial Services, 501-1000 employees)

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Reliability and Availability

No score

No answers yet

No answers on this topic

SAS Advanced Analytics 10.0

Based on 1 answer

“ SAS probably has the most market saturation out of all of the analytics software worldwide. They are in every industry and they are knowledgeable about every industry. They are always available to take questions, solve issues, and discuss a company's needs. A company that buys SAS software has a dedicated representative that is there for all of their needs.

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 Nathan Och
Analytics Specialist
Search TrustRadius
Array Services Group (Financial Services, 501-1000 employees) 

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Performance

No score

No answers yet

No answers on this topic

SAS Advanced Analytics 9.0

Based on 1 answer

“ Although nothing is perfect, SAS is almost there. The software can handle billions of rows of data without a glitch and runs at a quick pace regardless of what the user wants to perform. SAS products are made to handle data so performance is of their utmost important. The software is created to run things as efficiently as SAS software can to maximize performance.

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Nathan Och
Analytics Specialist
Array Services Group (Financial Services, 501-1000 employees)

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Apache Spark 7.5

Based on 2 answers

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www.w3schools.com Python 2. It's very easy to understand SOL

“ interoperability.3. Apache is way faster than the other competitive technologies.4. The support from the Apache community is very huge for Spark.5. Execution times are faster as compared to others.6. There are a large number of forums available for Apache Spark.7. The code availability for Apache Spark is simpler and easy to gain access to.8. Many organizations use Apache Spark, so many solutions are available for existing applications.

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Yogesh Mhasde
Technical Manager
Rishabh Software Private Limited (Information Technology & Services, 501-1000 employees)

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SAS Advanced Analytics 9.5

Based on 4 answers

“ SAS is generally known for good support that's one of the main reasons to justify the cost of having SAS licenses within our organization is knowing that customer support is just a quick phone call away. I've usually had good experiences with the SAS customer support team it's one of the ways in which the company stands out in my view.

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Yoni Dvorkis
Lead Data Scientist
Atrius Health (Hospital & Health Care, 1001-5000 employees)

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In-Person Training

No score

No answers yet

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SAS Advanced Analytics 9.0

 Search TrustRadius Based on 1 answer

SAS has regional and national conferences that are dedicated to expanding users' knowledge of the software and showing them what changes and additions they are making to the software. There are user groups in most of the major cities that also provide multi-day seminars that focus on specific topics for education. If online training isn't the best way for the user, there is ample in-person training available.

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Nathan Och
Analytics Specialist
Array Services Group (Financial Services, 501-1000 employees)

[View all 1 answers on this topic](#)

Online Training

No score

No answers yet

No answers on this topic

SAS Advanced Analytics 8.0

Based on 1 answer

“ There are online videos, live classes, and resource material which makes training very easy to access. However, nothing is circumstantial so applying your training can get tricky if the user is performing complex tasks. When purchasing software, SAS will also allocate education credits so the user(s) can access classes and material online to help expand their knowledge.

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Nathan Och
Analytics Specialist
Array Services Group (Financial Services, 501-1000 employees)

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Implementation Rating

No score

No answers yet

No answers on this topic

SAS Advanced Analytics 9.0

Based on 1 answer

“ Ask as many questions you can before the install to understand the process. Since a third party does the installation your company is sort of a passenger and it is easy to get lost in the process. It also helps to have all users and IT support involved in the install to help increase the knowledge as to how SAS runs and what it needs to perform correctly.

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**Nathan Och**

Analytics Specialist

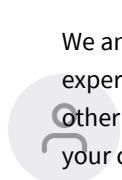
Array Services Group (Financial Services, 501-1000 employees)

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Alternatives Considered

“ Spark in comparison to similar technologies ends up being a one stop shop. You can achieve so much with this one framework instead of having to stitch and weave multiple technologies from the Hadoop stack, all while getting incredible performance, minimal boilerplate, and getting the ability to write your application in the language of your choosing.

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**Verified User**

Engineer in Engineering

(Computer Software Company, 51-200 employees)

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“ We had major use of SAS in forecasting where it doesn't require high level of coding knowledge and which has highly efficient models built in which can give good results on forecasts without lot of manual intervention. This tool was designed specifically for forecasting and hence was always a better choice compared to other tools.

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Rishi Bavishi
Forecasting Analyst
Hilton (Hospitality, 10,001+ employees)

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Scalability

No score

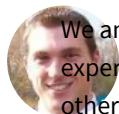
No answers yet

No answers on this topic

SAS Advanced Analytics 9.0

Based on 1 answer

“ It all depends on the type of SAS product the user has. Scalability differs from product to product, and if the user has SAS Office Analytics the scalability is quite robust. This software will satisfy the majority of the company's analytic needs for years to come. In addition, if SAS is not meeting the users needs the company can easily find SAS solutions that will.

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Nathan Och

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Return on Investment

- It has had a very positive impact, as it helps reduce the data processing time and thus helps us achieve our goals much faster.
- Being easy to use, it allows us to adapt to the tool much faster than with others, which in turn allows us to access various data sources such as Hadoop, Apache Mesos, Kubernetes, independently or in the cloud. This makes it very useful.
- It was very easy for me to use Apache Spark and learn it since I come from a background of Java and SQL, and it shares those basic principles and uses a very similar logic.

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Carla Borges
 Consultor Técnico - Java Developer and Php Developer.
 Consultec-TI (Computer Software, 51-200 employees)

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- SAS Advanced Analytics is not the cheapest software on the market. The overall cost was weighed against free, open-source software tools. The overall return, I think, was quite positive because SAS Advanced Analytics saves enormous amounts of time compared to the open-source software tools.
- At first, adopting SAS Advanced Analytics was a negative return because it took time for individuals to change their analytics habits and adjust to superior tools available at their discretion.
- SAS Advanced Analytics has replaced the need to hire less expensive R or Python programmers. So, although the software requires an initial expensive upfront investment, the ease of use makes it so that other areas of expenditure save money.

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Thomas Young

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Pricing Details

General

Free Trial

—

Free/Freemium Version

—

Premium Consulting/Integration Services

—

Entry-level set up fee?

No

General

Free Trial

—

Free/Freemium Version

—

Premium Consulting/Integration Services

—

Entry-level set up fee?

No

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MICROSTRATEGY Analytics

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- IBM SPSS
- Datameer
- Alteryx Platform
- JMP Statistical Discovery Software from SAS
- Hadoop
- Presto



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