

aws marketplace

Monte Carlo

Reviews, tips, and advice from real users



Powered by  PeerSpot



Contents

- Product Recap..... 3 - 4
- Valuable Features..... 5 - 12
- Other Solutions Considered..... 13
- ROI..... 14 - 15
- Use Case..... 16 - 19
- Setup..... 20
- Customer Service and Support..... 21 - 22
- Other Advice..... 23 - 26
- Trends..... 27 - 28
- About PeerSpot..... 29 - 30

Product Recap

MC Monte Carlo

Monte Carlo Recap

Monte Carlo offers a comprehensive data observability platform that ensures reliable data pipelines and prevents data downtime by providing real-time monitoring and alerting, making it a crucial tool for data-driven organizations.

Monte Carlo provides end-to-end visibility into data infrastructure, helping teams quickly identify, troubleshoot, and resolve data issues. This prevents costly data incidents and improves data trust. As data systems become more complex, maintaining accurate and timely data is challenging; Monte Carlo addresses this by integrating with popular data stack tools, allowing users to gain insights and maintain data reliability without missing critical data anomalies.

What are the key features of Monte Carlo?

- **Automated Monitoring:** Proactively detects and alerts on data issues across the pipeline.
- **Data Lineage:** Tracks data flow from source to destination for better traceability.
- **Root Cause Analysis:** Quickly identifies the source of data problems.
- **Integrations:** Seamlessly connects with major data tools and platforms.

What benefits should be considered when evaluating Monte Carlo?

- **Improved Data Quality:** Ensures consistent and accurate data availability.
- **Reduced Downtime:** Minimizes disruptions by swiftly identifying issues.
- **Operational Efficiency:** Saves time and resources with automated processes.
- **Increased Trust:** Empowers teams to make data-driven decisions confidently.

In finance, Monte Carlo enhances data accuracy for compliance and reporting. Retail businesses use it to optimize inventory and customer insights, while healthcare benefits from improved data handling for patient management. By ensuring robust data infrastructure, Monte Carlo supports diverse industry needs.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- ✓ “Overall, Monte Carlo has had a very positive impact in terms of having healthier data and being able to trace through the data lineage to understand where exactly in the data life cycle things are going wrong.”



Kunal Bhattacharya

Senior Data & Platforms Engineer at PepsiCo

- ✓ “Monte Carlo is a great tool for data quality and observability, ensuring our data is timely and complete, and it is very user-friendly, combining low-code capabilities for business users with complex SQL for technical users.”



Patel_Dhulva

Data Analyst at Teshama Group

- ✓ “My advice for others looking to use Monte Carlo is to definitely go for it because it is quite useful, accurate, and saves a significant number of hours.”



Reshu Kane

Data Engineer & Management & Governance Senior Analyst at a tech vendor with 10,001+ employees

- ✔ “Monte Carlo has many advantages compared to other solutions, as it has a lot of machine learning functionality and excellent user friendliness, with a crisp interface and good appearance that allows you to onboard any user at any time, and they can easily understand how to use the tool.”



Vidyasasagr Kittur

Principal Data Engineer at Teradata Corporation

- ✔ “If a particular project's testing alone takes 120 hours, it is reduced by three-fourths most of the time, which is extremely useful for us.”



Udhaya KumarA

AI Machine Learning Engineer at a tech vendor with 10,001+ employees

- ✔ “Monte Carlo monitors data quality issues and helps identify and fix those issues efficiently.”



Verified user

Staff Data Engineer at a media company with 5,001-10,000 employees

- ✔ “It makes organizing work easier based on its relevance to specific projects and teams.”



Prathik Rokhade

Associate Sr. Manager at Financial Insight Technology, Inc.

What users had to say about valuable features:

“The best features Monte Carlo offers are that it can be used through the UI as well as creating monitors with the help of YAML. It is quite easy to create monitors using the UI, and I can find out the data freshness with the help of charts. This provides a quick and accurate review of my product.

Monte Carlo has positively impacted my organization by significantly reducing manual tasks. With alerts for any breaches of rules, I am easily and quickly notified, which is very useful and accurate..”

Reshu Kane

Data Engineer & Management & Governance Senior Analyst at a tech vendor with 10,001+ employees

[Read full review](#) 

“Monte Carlo offers several great features that stand out to me. Monte Carlo's use of machine learning and AI to determine the threshold for the monitors that trigger alerts is particularly impressive.

“Recently, Monte Carlo added features based on AI that respond to alerts. When you see an alert, the AI can help you analyze it and find the root cause.

“Monte Carlo has positively impacted my organization by ensuring the data quality of the data pipeline, which is essential for data-driven decision-making. The company's business depends on data-driven decision-making, so data quality is very important. Monte Carlo monitors data quality issues and helps identify and fix those issues efficiently.

“I estimate that I resolve data issues roughly 30% more efficiently since using Monte Carlo..”

Verified user

Staff Data Engineer at a media company with 5,001-10,000 employees

[Read full review](#) 

“In my experience, I really appreciate Monte Carlo's automated anomaly detection feature. It is very helpful.

“The automated anomaly detection in Monte Carlo helps me in my day-to-day work instead of doing everything manually.

“Instead of writing rules manually, Monte Carlo learns users' behaviors and then automates data based on it, which is very useful for me.

“The positive impact Monte Carlo has had on my organization is that it has accelerated the development process and has reduced the testing time significantly.

“I can tell you that Monte Carlo has reduced testing time. If a particular project's testing alone takes 120 hours, it is reduced by three-fourths most of the time, which is extremely useful for us. It has impacted our numbers positively..”

Udhaya KumarA

AI Machine Learning Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

“The volume monitors and the anomaly monitors regarding volume, freshness, and data consistency are the best features Monte Carlo offers in my experience. These are the best features because they help flag issues that are more abstract and difficult to measure. While a data load that did not happen is an easier thing to track, a data load that happened but the volume was not in a particular range is a very tricky metric to monitor. That is a great feature.

It is mostly a combination of volume, freshness, and consistency monitors that I find myself relying on the most. The specific monitors I use depend on the business and use case we are catering to, the tables, and the data involved. It is difficult to point out one monitor as the most useful, but we use all three of them in different combinations very extensively.

Monte Carlo has had a major impact on my organization in terms of data health for the downstreams and for all the engineering teams that depend on our data. We are now getting timely alerts around the quality of the data, the volume of the data, and the health of the data. We are able to get that visibility more granularly into every single table. We are able to draw the data lineage to understand failures faster. Overall, Monte Carlo has had a very positive impact in terms of having healthier data and being able to trace through the data lineage to understand where exactly in the data life cycle things are going wrong. .”

Kunal Bhattacharya

Senior Data & Platforms Engineer at PepsiCo

[Read full review](#) 

“In Monte Carlo, as part of observability, we have dynamic alert systems that learn the previous patterns of data anomalies and customize the monitoring system. It does not only have static rules because it has machine learning based models that learn the patterns. For example, during Thanksgiving, more purchases are happening, so you can expect more issues. It learns those patterns and sends the alerts based on that. The system does not send false alerts.

“We use anomaly detection as part of a monitoring system. For instance, I was working for an airline where daily check-ins, checkouts, and transactions happen in real time. We wanted a very robust monitoring system that could monitor the data in real time. Whenever there is an anomaly, such as some columns which are not supposed to have nulls or which are not supposed to have certain data, you can train your machine learning model to have that threshold. You cannot just keep that threshold at 10% or something. You can train that machine learning model so that whenever a null detection happens or some kind of data mismatch happens, or when there is a schema change, it detects so many anomalies. We had many anomaly detection alerts.

“The customizable alerts and dashboards in Monte Carlo were very customizable because it not only gives you the option to select alert features using drop downs, it also opens up a window where you can write your own customizable queries in SQL.

“Certain features of Monte Carlo have contributed to maintaining our data trust by having multiple steps where you can define the model and also specify the probability distribution for your input. You can simulate that model over the past pattern. Additionally, it will give nice dashboards which are very handy and easy to understand to check how the anomaly patterns are progressing. If there is any sudden spike on a particular day, you can easily spot that and dig deep into it..”

Vidyasasagr Kittur

Principal Data Engineer at Teradata Corporation

[Read full review](#) 

“Monte Carlo's lineage feature has helped me save hours of debugging because its machine learning-driven alerts are incredibly effective. It quickly learns our database behavior and catches anomalies, freshness issues, or volume drops before our downstream users even notice.

“Monte Carlo helps us catch data errors and broken dashboards before our team or clients notice them. I also love the intuitive user interface, which makes it easy to trace an issue from a Looker dashboard all the way back to our Snowflake warehouse. It has saved our data engineers team countless hours of manual debugging.

“The best features that Monte Carlo offers include a highly intuitive user interface that makes it easy to trace an issue from a Looker dashboard all the way to our Snowflake warehouse. The platform's machine learning-driven alerting is incredibly smart because it quickly learns our data's baseline behavior and catches anomalies, freshness issues, or volume drops before our downstream users even notice it.

“Monte Carlo integrates seamlessly with the major cloud data warehouses. It can configure deeper integration with some legacy on-premise systems or niche BI tools, which is valuable.

“Monte Carlo has positively impacted our organization as it is a critical tool that integrates seamlessly with major cloud data warehouses. It is easy to trace an issue, and it has saved our data engineer team countless hours of manual debugging. It also helps us catch data errors and broken dashboards before our team or clients notice them..”

Patel_Dhulva

Data Analyst at Teshama Group

[Read full review](#) 


Other Solutions Considered

“I previously used Datadog as a different solution.

“I switched from Datadog to Monte Carlo because Datadog was somewhat complex, especially with the multiple features. Additionally, the customer support team was not as responsive compared to Monte Carlo's support, and the price was higher when compared to Monte Carlo..”

Patel_Dhulva

Data Analyst at Teshama Group

[Read full review](#) 

ROI

Real user quotes about their ROI:

“I do not have a specific number regarding the return on investment with Monte Carlo, but I believe it saves a lot of workload for employees if we do not use it..”

Verified user

[Read full review](#) 

Staff Data Engineer at a media company with 5,001-10,000 employees

“I cannot be very sure about money saved with Monte Carlo, but regarding time saved, definitely. We have saved more than three-fourths of the time in the testing phase..”

Udhaya KumarA

[Read full review](#) 

AI Machine Learning Engineer at a tech vendor with 10,001+ employees

“I have seen a return on investment with Monte Carlo. It definitely reduces resource hours needed for work, lessening the effort required significantly compared to when Monte Carlo is not in place..”

Reshu Kane

[Read full review](#) 

Data Engineer & Management & Governance Senior Analyst at a tech vendor with 10,001+ employees

“Time has been saved in reporting errors, SLAs, and performing reloads because we have been able to catch data errors faster. We estimate approximately eight to ten percent time savings, but regarding money savings and fewer employees needed, I do not think we can achieve that..”

Kunal Bhattacharya

Senior Data & Platforms Engineer at PepsiCo

[Read full review](#) 

“I have seen a return on investment because Monte Carlo has solved the challenge of monitoring ingestion health at scale. We are able to automatically track data freshness across hundreds of tables sourcing from multiple systems, which benefits us by eliminating manual data quality checks and providing real-time alerts the moment an ingestion pipeline lags, significantly reducing our data downtime..”

Patel_Dhulva

Data Analyst at Teshama Group

[Read full review](#) 

Use Case

“My use case for Monte Carlo is both data quality and observability. We are using it as part of robustly monitoring the jobs as well as finding out any anomalies with respect to data quality issues..”

Vidyasagr Kittur

Principal Data Engineer at Teradata Corporation

[Read full review](#) 

“My main use case for Monte Carlo is smart data observability and lineage that saves hours of debugging. What I like most about Monte Carlo is its automated data observability and lineage capabilities..”

Patel_Dhulva

Data Analyst at Teshama Group

[Read full review](#) 

“My main use case for Monte Carlo is data observability.

“To check if the ELT job fails is a quick, specific example of how I use Monte Carlo for data observability.

“I use Monte Carlo to point out anomalies in data such as spikes or sudden drops in any particular data. We use Monte Carlo to observe all those things..”

Udhaya KumarA

[Read full review](#) 

AI Machine Learning Engineer at a tech vendor with 10,001+ employees

“Monte Carlo's main use case is setting rules to test the quality of data coming from the source side. For example, a rule can be set up for null checks in a particular column of source tables. If any condition is breached, I receive alerts, which is very helpful for providing quality data to my customers. Monte Carlo is also helpful in checking the freshness and volume of data. Freshness indicates whether data is coming from source sites at the correct frequency.

The feature I find myself using most is freshness. If the data is fresh and up-to-date, I can give the desired results to meet my business needs. However, if I have stale data that is not useful for the current date, then there is no point in working with it. Freshness is really helpful for providing up-to-date results or a clear picture to my business leads..”

Reshu Kane

[Read full review](#) 

Data Engineer & Management & Governance Senior Analyst at a tech vendor with 10,001+ employees

“My main use case for Monte Carlo is to create monitors to monitor data quality. I created different types of monitors, metrics, SQL, and custom SQL. I also utilize the Monte Carlo API to ingest data and create a datamart for analytical purposes.

“Recently, I used the Monte Carlo API to ingest data to create a datamart, where I created several tables, such as the monitor snapshot, alerts, the run monitor history, and the monitor credit consumption.

“Other use cases I have for Monte Carlo include creating a monitor, where I can write custom SQL to monitor data quality. If the data volume fluctuates dramatically, either increasing or decreasing too much, it will fire an alert..”

Verified user

Staff Data Engineer at a media company with 5,001-10,000 employees

[Read full review](#) 

“My organization relies on Monte Carlo for data observability, such as whether tables were loaded on time and whether the load met expectations regarding volume. We also use it for observability into our data transformation pipelines. We use it to trigger alerts to our respective product and engineering teams if loads are delayed or the volume of loads does not meet expectations. In essence, we use Monte Carlo to gain observability into our data.

We have encountered scenarios where a particular data load would not have generated any alerts if Monte Carlo had not been in place, since the data load went through successfully. However, the volume of the data loads in that case was below the threshold volume that triggered a volume anomaly alert from Monte Carlo. We were able to go back, fix the data, and report it to the upstream source.

We also use Monte Carlo to catch long-running queries. We have monitors set up for that purpose as well. We have an in-house solution developed to catch long-running queries on Snowflake in real time, something that is not currently available in any other SaaS providers for Snowflake. .”

Kunal Bhattacharya

Senior Data & Platforms Engineer at PepsiCo

[Read full review](#) 

Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

“The product's initial setup is in a daily improvement stage, deploying new plugins for upstream and downstream resources. It takes 25 minutes to complete. The process involves integrating with third-party services for Single Sign-On (SSO). It requires only one executive for maintenance as it has easy-to-use navigation and user interface..”

Prathik Rokhade

Associate Sr. Manager at Financial Insight Technology, Inc.

[Read full review](#) 

Customer Service and Support

“Monte Carlo's customer support is responsive and helpful. My experiences reaching out to them show that they were very quick to help and very professional..”

Patel_Dhulva

Data Analyst at Teshama Group

[Read full review](#) 

“They offer efficient customer service. They provide essential documents, feedback, and solutions. They set up a meeting with us whenever we require more information..”

Prathik Rokhade


Associate Sr. Manager at Financial Insight Technology, Inc.

[Read full review](#) 

“Customer support is quite good. When I requested help regarding the deletion of monitors, I received a very good and quick response. I give customer support a rating of ten out of ten..”

Reshu Kane

Data Engineer & Management & Governance Senior Analyst at a tech vendor with 10,001+ employees

[Read full review](#) 

“I find Monte Carlo's customer support to be good, and their customer support team responds very fast. We can submit a support ticket, and they also provide a platform using AI to answer questions. If the AI cannot resolve the issue, a ticket is created, and a team member will help..”

Verified user

Staff Data Engineer at a media company with 5,001-10,000 employees

[Read full review](#) 

Other Advice

“My advice to others looking into using Monte Carlo is that it is a great tool for data quality and observability, ensuring our data is timely and complete. It is very user-friendly, combining low-code capabilities for business users with complex SQL for technical users. It is a highly recommendable tool. Monte Carlo is very easy to set up and very useful for detecting issues. Monte Carlo is a game changer. I would rate this product four out of five..”

Patel_Dhulva

Data Analyst at Teshama Group

[Read full review](#) 

“We have seen a reduction of incidents in approximately seven to eight percent in production scenarios, which has definitely been positive. I recommend checking out Monte Carlo to see if it fits your data-related needs. Conduct a thorough proof of concept, review the licensing and contract agreements, and if it meets your requirements, proceed with it. I would rate this review at seven out of ten..”

Kunal Bhattacharya

Senior Data & Platforms Engineer at PepsiCo

[Read full review](#) 

“Regarding Monte Carlo's security features, it has pretty good security, and they are doing a good job on the security side of things.

“Regarding Monte Carlo's AI capabilities, I would say its accuracy is around eight or nine out of ten.

“My advice to others looking into using Monte Carlo is to learn everything first before using it, rather than testing everything as you go. I would rate this review seven out of ten..”

Udhaya KumarA

AI Machine Learning Engineer at a tech vendor with 10,001+ employees

[Read full review](#) 

“My advice for others looking to use Monte Carlo is to definitely go for it because it is quite useful, accurate, and saves a significant number of hours.

Regarding Monte Carlo's AI capabilities, I am not sure about governance and security, but I find it very helpful for data observability. When linked with Collibra and [Immuta](#), it indirectly contributes to data governance and security.

Monte Carlo is deployed in my organization on the public cloud.

Regarding Monte Carlo, people are not very aware of it compared to other capabilities, so I think they can work on improving their advertising efforts. I rate this review nine out of ten..”

Reshu Kane

Data Engineer & Management & Governance Senior Analyst at a tech vendor with 10,001+ employees

[Read full review](#) 

“Monte Carlo does a good job overall. I rate Monte Carlo an 8 out of 10.

“I chose eight because Monte Carlo does a good job, even though there are places for improvement. Overall, it is good.

“Regarding Monte Carlo's AI capabilities, I find its accuracy and reliability of output to be good. Even though it is not 100% accurate, it is still good. A human review is necessary, but it does a good job.

“My advice to others looking into using Monte Carlo is that it is a good product.

“Overall, I think Monte Carlo is good, and the questions cover almost all the aspects. My overall review rating for Monte Carlo is 8..”

Verified user

Staff Data Engineer at a media company with 5,001-10,000 employees

[Read full review](#) 

“Data quality monitoring throughout the data lifecycle is very important, especially in this artificial intelligence era. If you feed garbage into artificial intelligence, it will hallucinate more and will not give you accurate results. It might divert into deploying many more agents and utilizing many more tokens rather than confining to a particular set of tokens. It is not only important from your data perspective, but also very important from your revenue perspective. The lost tokens are directly impacting an increase in costs or a decrease in revenue.

“Regarding the pricing, it is a bit expensive compared to traditional monitoring systems provided by other vendors. However, the extra features and the trust come with some cost, so I think it should be fine. I have worked with many customers who do not have any complaints. In fact, they migrated many other systems from traditional monitoring systems to Monte Carlo. The customers are accepting of this pricing model.

“Monte Carlo has many advantages compared to other solutions. As I mentioned, it has a lot of machine learning functionality and excellent user friendliness. The

interface is quite crisp and the appearance is quite good. Traditional tools require some prior knowledge, but with Monte Carlo, you can onboard any user at any time. They can easily understand how to use that tool.

“The solution requires maintenance because new features get rolled out and you need to upgrade those features. During that time there is a little bit of a pain point, but that is acceptable because you will experience new functionality.

“If others are looking to implement this product, my advice is to robustly monitor their system with very little human intervention. Monte Carlo has an option where it will directly allow you to dig deep into the root cause and you just need to do a few clicks and it will get you to that data issue where it is happening. Very little human intervention is required for this. I give this solution an overall rating of eight out of ten..”

Vidyasasagr Kittur

Principal Data Engineer at Teradata Corporation

[Read full review](#) 

Top Industries

by visitors reading reviews

Financial Services Firm

10%

Computer Software Company

8%

Construction Company

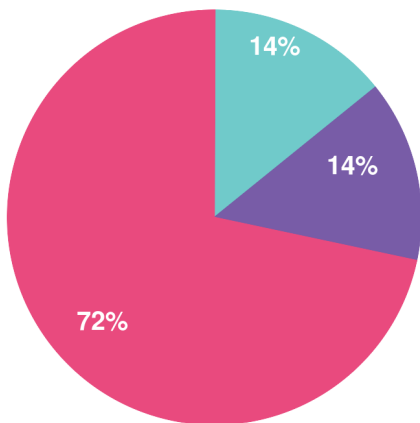
7%

Retailer

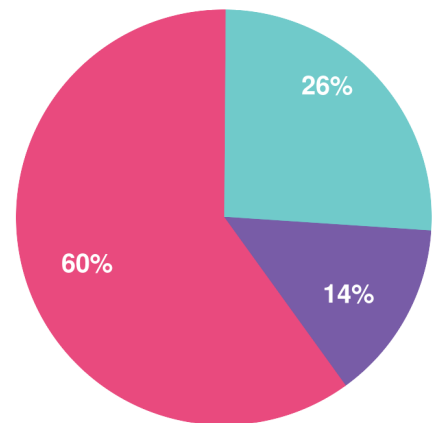
7%

Company Size

by reviewers



by visitors reading reviews



Large Enterprise

Midsize Enterprise

Small Business

About this buyer's guide

Thanks for downloading this PeerSpot report.

The summaries, overviews and recaps in this report are all based on real user feedback and reviews collected by PeerSpot's team. Every reviewer on PeerSpot has been authenticated with our triple authentication process. This is done to ensure that every review provided is an unbiased review from a real user.

Get a custom version of this report... Personalized for you!

Please note that this is a generic report based on reviews and opinions from the collective PeerSpot community. We offer a [customized report](#) of solutions recommended for you based on:

- Your industry
- Company size
- Which solutions you're already considering

The customized report will include recommendations for you based on what other people like you are using and researching.

Answer a few questions in our short wizard to get your customized report.

[Get your personalized report here](#)

About PeerSpot

PeerSpot is the leading review site for cloud, AI, and business software. We created PeerSpot to provide a trusted platform to share information about software, applications, and services. Since 2012, over 22 million people have used PeerSpot to choose the right software for their business.

PeerSpot helps tech professionals by providing:

- A list of products recommended by real users
- In-depth reviews, including pros and cons
- Specific information to help you choose the best vendor for your needs

Use PeerSpot to:

- Read and post reviews of products
- Access over 30,000 buyer's guides and comparison reports
- Request or share information about functionality, quality, and pricing

Join PeerSpot to connect with peers to help you:

- Get immediate answers to questions
- Validate vendor claims
- Exchange tips for getting the best deals with vendor

Visit PeerSpot: www.peerspot.com

PeerSpot

244 5th Avenue, Suite R-230 • New York, NY 10001

reports@peerspot.com

+1 646.328.1944