



Astro by Astronomer

Reviews, tips, and advice from real users



Powered by  **PeerSpot**

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Product Recap



Astro by Astronomer

Astro by Astronomer Recap

Astro by Astronomer is a cutting-edge data orchestration platform designed to simplify and streamline data workflows. It enhances productivity by transforming complex tasks into manageable processes, offering robust solutions for modern data engineering challenges.

Astro by Astronomer empowers users with a comprehensive suite for managing and orchestrating data pipelines. It stands out for its scalable infrastructure and seamless integrations, enabling organizations to efficiently process and analyze data with ease. With robust task automation, it minimizes manual intervention and boosts efficiency. Its intuitive architecture supports agile development, facilitating rapid deployment and time-to-market advantages.

What are the essential features of Astro by Astronomer?

- **Scalable Architecture:** Enables seamless scaling to accommodate growing data needs.
- **Integrations:** Offers wide-ranging compatibility for diverse data sources.
- **Automation:** Streamlines processes to reduce manual work and errors.
- **Monitoring Tools:** Provides real-time insights for effective data management.
- **Modular Design:** Allows customization and flexibility in deployment.

What benefits or ROI should users consider?

- **Time Savings:** Reduced processing times lead to faster project completion.
- **Cost Efficiency:** Optimizes resource usage to lower operational costs.
- **Improved Accuracy:** Automated tasks minimize human errors, enhancing data quality.
- **Scalability:** Supports growth and adapts to increasing data requirements.
- **Enhanced Collaboration:** Facilitates team synergy through streamlined workflows.

In industries like finance and healthcare, Astro by Astronomer has been pivotal in ensuring data accuracy and compliance. Financial firms rely on its automation capabilities for real-time analytics, while healthcare organizations utilize it for seamless data integration, enhancing patient care and research outcomes.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- ✓ “If you want a one-stop solution for your orchestration, I think Astro by Astronomer is the best place to look.”



Fsiddiquee Sudeki

Data Platform Engineer at Babbel

- ✓ “Previously, developing DAGs took days and sometimes a sprint, now I can deliver within a couple of hours.”



Sovik Sarkar

Manager, Project Development at a tech vendor with 10,001+ employees

- ✓ “Astro by Astronomer has positively impacted my organization as it has made a real difference.”



Verified user

Data Engineer at a university with 5,001-10,000 employees



“Using Astro by Astronomer is definitely improving our team's productivity.”



Gouravjangid Gouravjangid

Consultant at a tech vendor with 10,001+ employees



“With Astro by Astronomer, we are paying less than before for MWAA, we are paying for the usage, we can offer Astro by Astronomer usage for other teams which did not have access to our AWS account, and we manage access for them, so it is also a bit easier.”



Verified user

Data Engineer at a non-profit with 1-10 employees



“I would definitely say the migration capabilities save huge amounts of time and effort.”



Gtholet

Data & AI Engineer at a retailer with 10,001+ employees



“When I say it simplified development and user experience, I mean that it definitely made onboarding easier and reduced time significantly.”



Verified user

Data Engineer at a outsourcing company with 201-500 employees

What users had to say about valuable features:

“The best features that Astro by Astronomer offers include reduced operational overhead for managing Airflow. It provides managed Airflow with easier upgrades, CI/CD integrations, and simplified development environment management, allowing the teams to focus on building pipelines instead of maintaining Astro by Astronomer infrastructure.

“It is very easy to use Astro by Astronomer. One of the biggest advantages is its ease of use. It provides a clean UI to monitor DAGs, task dependencies, check logs, and manually trigger or rerun failed workflows. Troubleshooting is much easier because we can quickly identify which pipelines failed and where..”

Gouravjangid Gouravjangid

Consultant at a tech vendor with 10,001+ employees

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“I think the possibility to share the same project and to have a central point where to develop with Astro by Astronomer is incredibly valuable, especially when sharing with other colleagues. I found that the main feature I really loved, which I also found only on Claude, is the ability to create the DAG in the best way and to understand the context.

It was very useful for my workflow management with Astro by Astronomer because when you share the same project with other colleagues, you need to keep track of every change that you make on the code.

I think the possibility to save time developing DAG in a smarter way with Astro by Astronomer is a significant benefit because, as I mentioned before, it suggests the best operator for your use case. You only need to define the right context and the right goal, and it will provide the best operators to combine with each other to create a real pipeline..”

Fabio Barbazza

Data Engineer Customer Analytics at Lastminute.com

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“The scheduler itself in Astro by Astronomer is very useful. The dev mode is really nice for us as developers, and the option to test our pipelines in CLI is beneficial.

“Every time we want to prepare a scheduler in Astro by Astronomer, we can simply write code, write the DAG, and then test it locally. We can open the scheduler UI window in the local host and then test the pipeline to see if everything is running, if all the environmental variables are set and nothing is missing. This is really useful in comparison to our previous tools that we were using.

“With Astro by Astronomer, we are paying less than before for MWAA. We are paying for the usage. We can offer Astro by Astronomer usage for other teams which did not have access to our AWS account, and we manage access for them, so it is also a bit easier.

“Collaboration is definitely a valuable feature. As I mentioned, we can offer access to other teams. The billing is approximately twice less than before, so it is very useful..”

Verified user

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Data Engineer at a non-profit with 1-10 employees

“I feel the service you provide is fairly easy to set up, much easier than the first time I had to create my own local Airflow instance, so that was much appreciated.

“Once you get going, it's pretty easy to use. The best features Astro by Astronomer offers, in my opinion, are easy setup and good tutorials. The courses that Astronomer provides for learning are very useful as well.

“I believe your instance has a lot of really good integration with other services, so that helps with keeping it in mind whenever I am trying out different things involving different tools and how they communicate.

“The impact of Astro by Astronomer on my organization is mainly personal. Our company uses an Amazon managed Airflow, so we don't use Astro by Astronomer in a production sense, and it's mainly confined to my own personal use cases. Astro by Astronomer helps me in skill development and learning mostly..”

Logan Whitfield

Level One Data Analytics Analyst at a insurance company with 1,001-5,000 employees

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“I wanted to understand Astro by Astronomer itself, so there was no specific use case. I needed to understand what features it has and the feature I really appreciated is the migration capability while upgrading Airflow version two to version three. Astro by Astronomer has amazing features that allow you to accomplish everything with just a few command prompt terminal codes. That is one of the cool features that provided me significant value. Apart from that, the rest of my exploration was exploratory in nature.

“I was attempting to manually migrate from upgrading Airflow two to Airflow three, and it was a real nightmare. The libraries moved to different paths, so all the jobs needed to be rebuilt and all the DAGs needed to be reworked. These kinds of challenges are handled with ease using Astro by Astronomer.

“I would definitely say the migration capabilities save huge amounts of time and effort. This will not be a small win; it will be a massive win.

“For a small scale production environment, it might save you two to three days instead of running DAG after DAG with manual upgrades or manual code editing. Astro by Astronomer will complete the work quite quickly, within an hour or so..”

Gtholeti

Data & AI Engineer at a retailer with 10,001+ employees

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“There are a lot of new features that we have started using in Astro by Astronomer. Some of them I can list is their new AI agent, Auto. It is quite useful for investigating why a DAG has failed and getting more context around it. The other feature is Cosmos, where since most of our jobs are running dbt models, Cosmos provides us a way to run dbt natively. We can have granular-level logs and retries and lineage and everything. That is a useful feature.

“Then there are Datasets where we can link different DAGs and to have a comprehensive framework and have a freshness check and quality checks on the entire stack. The Blueprint feature is quite useful since many of our ingestion jobs that are being created by stakeholders may not be quite familiar with Airflow, and with Blueprint, we provide them a way to use a no-code solution to build their DAGs. Astro by Astronomer Observe has a lot of features that we use: the observability and alerting that we set up.

“Apart from that, the whole having the entire deployments and the DAGs and everything in one place is quite useful. In MWAA, everything is decentralized, and that creates a lot of friction and problems. In Astro by Astronomer, I find it really useful that everything can be in one place. Also, one of the good features in Auto, we can do the migration from, let's say, Airflow 2.x to 3.x using Auto seamlessly.

“Instead of giving generic messages in, for example, a Slack channel when an Airflow DAG fails, you can use Auto to have a comprehensive root cause analysis of what has failed and based upon the context of the DAG and its historical runs, it gives a much more comprehensive analysis of what has failed, and that speeds up the fixing the bug and fixing the DAG cycle a lot more. Instead of going through the entire debugging process, having the root cause analysis provided helps tremendously. Sometimes we have to dig in a bit deeper, but it does help a lot.

“Previously when we were using MWAA, since our DAGs were living in S3 buckets, the workers running in EC2 and having logging in CloudWatch, everything was scattered around the place and doing a deployment or debugging was quite a pain. Astro by Astronomer solves that seamlessly, where in one place, we have everything. Granting access control is quite easy. We have created different teams in Astro by Astronomer and integrating those teams with Okta, we can have seamless integration of which user can access which workspace. Also, whenever a

user leaves the organization, their Okta is disabled and automatically they lose access. In that regard, Astro by Astronomer has helped tremendously.

“When we have to do an upgrade, for example, upgrading the Airflow version, that was quite problematic in MWAA, and there used to be a downtime of approximately 40 to 45 minutes while the Airflow web server had to spin up and do its thing. That seems quite seamless in Astro by Astronomer.

“Also having alerts, whenever a DAG fails, we have a direct PagerDuty integration for the important DAGs. If that DAG fails, we immediately get notified on our PagerDuty schedule. That is also one of the features that helped us tremendously. Having monitoring on top of that, Astro by Astronomer, integrating it directly with DataDog has been quite useful. That was quite challenging when using MWAA. Additionally, Astro by Astronomer seems to be quite cheaper than MWAA overall..”

Fsiddiquee Sudeki

Data Platform Engineer at Babbel

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Other Solutions Considered

“Curiosity made me think about Astro by Astronomer, but I do not have any burning issues otherwise. Broad-grade code is currently running on my Cloud Composer and has been for the last five years without any issues. So far, everything has been good and smooth..”

Gtholeti

Data & AI Engineer at a retailer with 10,001+ employees

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“Before choosing Astro by Astronomer, I tried to build my own Airflow instance to run in my own data center. I found that in terms of the complexity of the job and the task, it is difficult to maintain ourselves and would need a very dedicated resource. That is why I stopped that approach and moved to Astro by Astronomer..”

Sovik Sarkar

Manager, Project Development at a tech vendor with 10,001+ employees

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“Before adopting Astro by Astronomer, we primarily relied on a combination of Azure Data Factory for orchestration purposes. We had some self-managed Airflow flows. As our data platform grew, managing complex dependencies, monitoring pipelines, and scaling our system became more challenging..”

Gouravjangid Gouravjangid

Consultant at a tech vendor with 10,001+ employees

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“Before choosing Astro by Astronomer, we evaluated Azure Data Factory as the external tool for data movement and simple orchestration. For complex workflows with many dependencies, custom Python logic, dynamic task generation, and integration across multiple systems, Airflow and therefore Astro by Astronomer offers much greater flexibility and control..”

Gouravjangid Gouravjangid

Consultant at a tech vendor with 10,001+ employees

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“If you need advanced features and pain points addressed, go for Astro by Astronomer. If you are running small scale broad-grade code with fixed pipelines and you are just running maintenance while looking at how the pipelines operate the same way, then stick with your current solution. If you are working with heavy code or need well-orchestrated pipelines, then consider Astro by Astronomer..”

Gtholeti

Data & AI Engineer at a retailer with 10,001+ employees

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“I decided to switch to Astro by Astronomer from the solutions I used before because I know that Astro by Astronomer was developed by Astronomer, who also maintains the Airflow GitHub repo. I think that when you rely on a company that provides the technical support for a tool, you can have the full package. I would use it during my next company because I think it is a real game changer in developing pipelines..”

Fabio Barbazza

Data Engineer Customer Analytics at Lastminute.com

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ROI

Real user quotes about their ROI:

“Our MWAA workers and everything, including deployments and everything, used to cost us around three thousand dollars previously to run the entire stack. Now, currently, after Astro by Astronomer, we could manage it for probably one thousand five hundred to one thousand eight hundred dollars per month. That is quite a significant improvement..”

Fsiddiquee Sudeki

Data Platform Engineer at Babbel

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“I believe I have started seeing ROI now since I have been using Astro by Astronomer for more than one year. It is hard for me to say that money has been saved, but definitely time has been saved. I am still working with the same number of employees, but the deliverables, quality, and development lifecycle have become shorter..”

Sovik Sarkar

Manager, Project Development at a tech vendor with 10,001+ employees

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“I have seen a return on investment with Astro by Astronomer as it has helped me reduce a lot of time when building pipelines. Before we used to use Apache Airflow, now it is integrated inside, so it has saved a lot of time. The investment which we have made is very good in terms of return..”

Verified user

Data Engineer at a university with 5,001-10,000 employees

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Use Case

“I conducted this exploration in my personal space and wanted to become aware of what features Astro by Astronomer has, so there is nothing to do with my company..”

Gtholeti

Data & AI Engineer at a retailer with 10,001+ employees

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“We are managing and maintaining pipelines for our production data warehouse. We have data in Salesforce, which we are ingesting to the data warehouse using Airbyte, and Astro by Astronomer is our orchestrator to run the pipeline every day at a specific time.

“Astro by Astronomer is our main scheduler, and we can have a good overview of our pipelines, which we have 70 or 80 each day. It is very useful to see the graph of the pipelines and how they are looking every day and every morning, and we have a clear view of our performance..”

Verified user

Data Engineer at a non-profit with 1-10 employees

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“I tried Astro by Astronomer on my personal project. I attempted to rebuild some workflow, data, and data ingestion that I used to do at my previous job with Astro by Astronomer. I also tested Astro by Astronomer against other AI tools such as Gemini and Copilot to evaluate how Astro by Astronomer could create a folder structure for my project, create files, arrange configuration files, and create three folders.

My main goal was to create some custom operators or to make suggestions on existing operators that are already deployed on GitHub..”

Fabio Barbazza

Data Engineer Customer Analytics at Lastminute.com

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“My main use case for Astro by Astronomer is to proof out concepts of functionality and learn about the behind the scenes for the application. I'm not an admin on our company's instance, so my vantage point is limited. This helps me get a peek at what's behind the scenes and make better decisions based on what I've learned from that.

“I use Astro by Astronomer to test out determining concurrency limits and how to set them and do load balancing. I also can use it to test out different ideas for use cases and after I have given them a good test, I can possibly fold them into my work experience or personal, or I can keep them as personal projects on the side to keep exploring..”

Logan Whitfield

Level One Data Analytics Analyst at a insurance company with 1,001-5,000 employees

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“My main use case for Astro by Astronomer is orchestrating the Airflow pipeline without hassling the backend of Airflow.

“I use Astro by Astronomer as a managed platform for Apache Airflow to orchestrate our data engineering workflows. We primarily use it for scheduling, dependency management, monitoring, and retrying ETL/ELT pipelines rather than executing heavy data processing itself.

“I use Astro by Astronomer day-to-day for ingesting data from APIs or cloud storage, running Azure Data Factory pipelines where required, triggering data based on PySpark transformations, performing data quality checks and validations, storing created data into a data warehouse or data tables, and sending notifications on success or failure through emails or notifications..”

Gouravjangid Gouravjangid

Consultant at a tech vendor with 10,001+ employees

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“We manage the deployment, governance, and everything for the different teams that want to orchestrate their workflows. All of their ingestion jobs, their analytics jobs, and their whole ETL or ELT jobs are built by the teams themselves, and we manage all of the deployment and governance for those jobs.

“One of the jobs we handle involves consuming data from different sources like Google Analytics and Apple Analytics. We use dltHub to have a standardization layer across the different ingestion jobs. We source the data from there, pass it through a schema check, and then sync it to our Databricks table. We also run quality checks on them and then publish the final reports.

“In the data platform, we use two different workspaces. One is for the admin deployments, which we, the central data team, use to orchestrate jobs such as rotating the credentials on schedule or running freshness checks and data quality checks. We then have a general workspace which different teams deploy their DAGs into. We use two branches for that: staging and main. We do not want anyone to deploy broken DAGs, so we have CI gates. Astro by Astronomer workspace cloud is connected to our main Astro by Astronomer repo. We have dispatch workflow jobs in GitHub which get triggered whenever there is a deployment in the child repos where the stakeholders deploy their DAGs. The dispatch workflow syncs the changes from the child repo to the main Astro by Astronomer repo. Based upon the change, if it is a simple DAG change, then we do not do a full deploy but just a DAG deploy, which is much faster. If there is a change in the infrastructure, then we do a full image deploy of Astro by Astronomer to that workspace or to that deployment..”

Fsiddiquee Sudeki

Data Platform Engineer at Babbel

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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.

“I feel the service you provide is fairly easy to set up, much easier than the first time I had to create my own local Airflow instance, so that was much appreciated..”

Logan Whitfield

[Read full review](#) 

Level One Data Analytics Analyst at a insurance company with 1,001-5,000 employees

“Astro by Astronomer acts as our orchestration layer. All of our jobs, including our ingestion jobs, our transformation jobs, analytics, machine learning, and AI workloads, are everything orchestrated using Astro by Astronomer now..”

Fsiddiquee Sudeki

[Read full review](#) 

Data Platform Engineer at Babbel

Customer Service and Support

“Resources are available, customer education is solid, and the customer journey is very nice with good follow-ups. Astro by Astronomer hosts regular sessions, which is another feature I appreciated..”

Gtholeti

Data & AI Engineer at a retailer with 10,001+ employees

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“Customer support for Astro by Astronomer is good. I get a very quick response. I have some SLA agreements, and more than 95 percent of the time, I have seen those SLAs get met..”

Sovik Sarkar

Manager, Project Development at a tech vendor with 10,001+ employees

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“Customer support is great. We have support engineers helping us if we face any issues. Additionally, we have a bi-weekly call with the Astro by Astronomer product team where they guide us to the new features and help us if we can use some of their new features or if we are following the best practices in our current setup. It is quite good..”

Fsiddiquee Sudeki

Data Platform Engineer at Babbel

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“I have never tried the technical support of Astro by Astronomer in terms of contacting them directly, but when I reported those problems to them, they were very supportive with me, especially because they were about launching that product. They were at the beginning of the journey and were very open to receiving any type of feedback. I would rate Astro by Astronomer's technical support as an eight..”

Fabio Barbazza

Data Engineer Customer Analytics at Lastminute.com

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“Regarding Astro by Astronomer's governance and security capabilities, I have positive thoughts. From a governance and security perspective, Astro by Astronomer provides several capabilities that help us operate securely. We do not store secrets such as database passwords or API keys directly in our DAGs. Instead, we use Airflow connections variables or have integrated with a secret manager like Azure Key Vault to securely manage credentials..”

Gouravjangid Gouravjangid

Consultant at a tech vendor with 10,001+ employees

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Other Advice

“All the features are readily available and Astro by Astronomer's user interface itself is quite intuitive. All developer problems and engineer problems are addressed by them very quickly. I would rate this review a 7 out of 10..”

Gtholeti

Data & AI Engineer at a retailer with 10,001+ employees

[Read full review](#) 

“If you want a one-stop solution for your orchestration, I think Astro by Astronomer is the best place to look. The overall product experience is quite good. The customer support is good. You should definitely check out Astro by Astronomer. I would rate this solution an 8 out of 10..”

Fsiddiquee Sudeki

Data Platform Engineer at Babbel

[Read full review](#) 

“Overall, Astro by Astronomer is a good product. There are still some missing fields, and I could maybe think of two or three additionally, but it is not a perfect tool. Seven is a fair rating.

“I have not used Astro by Astronomer's AI capabilities, so I cannot answer that question.

“I recommend that others test Astro by Astronomer on their own and take some free certifications because they are available and useful to start with the product. My overall review rating for Astro by Astronomer is seven out of ten..”

Verified user

Data Engineer at a non-profit with 1-10 employees

[Read full review](#) 

“Astro by Astronomer is very consistent and reliable 99% of the time, although sometimes it lags. Overall, the reliability has been very good. Once a DAG is configured and tested, the output is consistent because Astro by Astronomer ensures tasks are executed in the correct order and respects dependencies.

“I would recommend Astro by Astronomer to organizations that already use or are planning to use Apache Airflow for workflow orchestration, especially if they want a managed solution instead of maintaining Airflow themselves.

“I gave this product a rating of 8 out of 10..”

Gouravjangid Gouravjangid

Consultant at a tech vendor with 10,001+ employees

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“For me, it was how Astro by Astronomer was able to create a deep tree folder

structure because when I used to create some DAG with [Gemini](#) and with Copilot, they were not able to go deeper on how configuration files could be created and what type of operator they should use. With Astro by Astronomer, it was able to create the right path for every file and also to use the best operator based on the version that I provided.

I used to work with Copilot integrating in [Visual Studio Code](#), and I used to work with Gemini as well before using Astro by Astronomer.

Also, because in the last month I tried Claude and I love using Claude code integrating with [Visual Studio Code](#). I think that if they developed something very similar that you can integrate into your [IDE](#), it would be a huge jump into the competition with Claude and other AI companies..”

Fabio Barbazza

Data Engineer Customer Analytics at Lastminute.com

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“I haven't explored the governance and security facet of Astro by Astronomer's AI capabilities thoroughly, so I couldn't speak on it.

“I don't use the AI component of Astro by Astronomer, so I can't comment on its accuracy and reliability of output.

“Astro by Astronomer is not deployed by my administration. It is a local instance that I have used.

“My advice to others looking into using Astro by Astronomer is to follow the tutorial videos and watch the supplemental learning material. It's very useful.

“I have no additional thoughts about Astro by Astronomer before we wrap up. I gave Astro by Astronomer a rating of eight out of ten..”

Logan Whitfield

Level One Data Analytics Analyst at a insurance company with 1,001-5,000 employees

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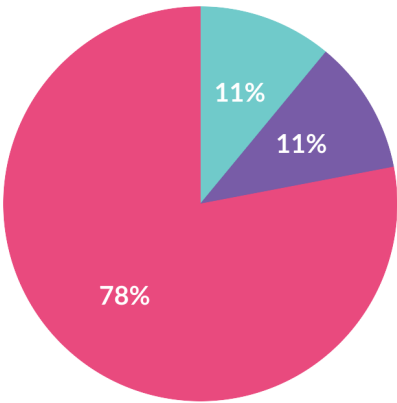
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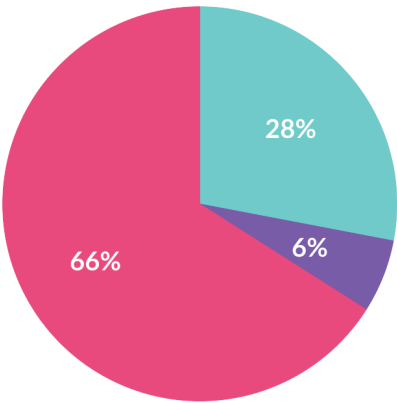


Company Size

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 Large Enterprise

 Midsized Enterprise

 Small Business

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