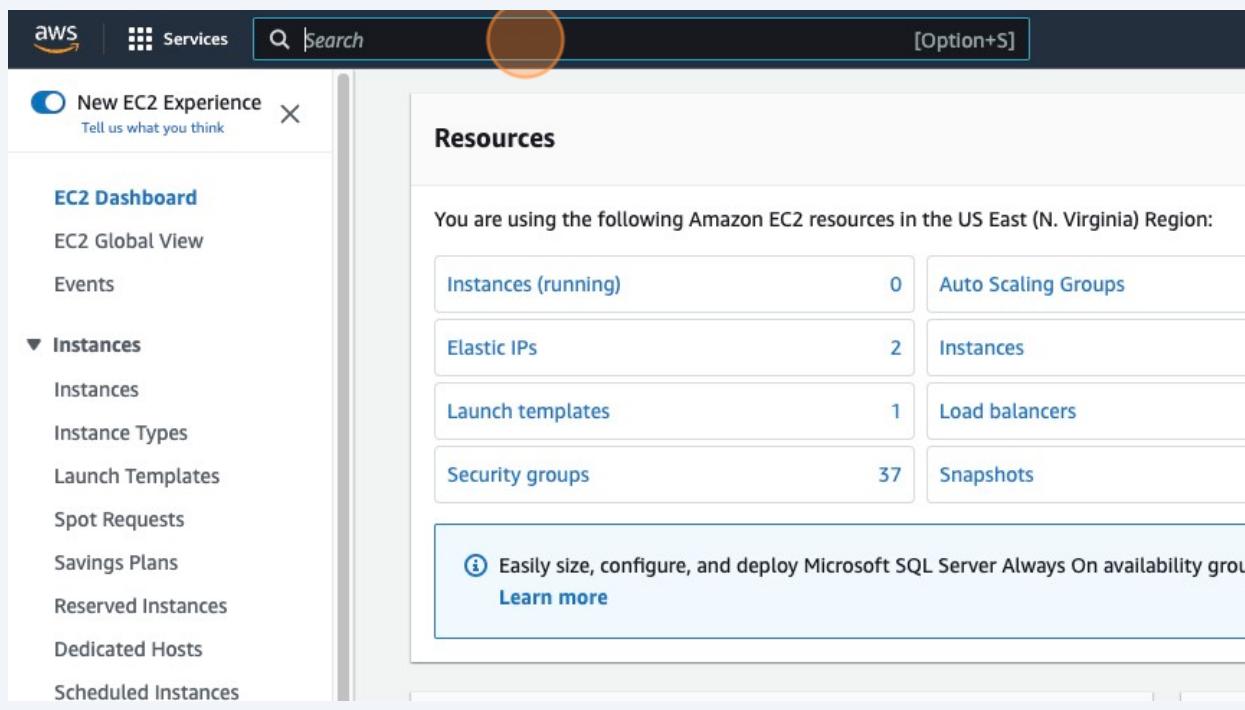


Step-by-step guide to creating an S3 bucket and visualizing data in QuickSight

This step-by-step guide provides instructions on how to create an S3 bucket and visualize data in QuickSight. By following these steps, you can easily set up an S3 bucket, upload files, connect it to QuickSight, create datasets, and visualize your data. Whether you are new to AWS or need a refresher, this guide will help you navigate the process effectively.

- 1 Navigate to us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1

- 2 Click the "Search" field.



- 3 Type "s3"

4 Click "S3"

The screenshot shows the AWS search interface with the query 's3'. The search results page displays various services and features. The 'S3' service card is highlighted with a red circle, showing its name, description ('Scalable Storage in the Cloud'), and top features like Buckets, Access points, Storage Lens dashboards, and Batch Operations.

5 Click "Create bucket"

The screenshot shows the AWS S3 buckets list. At the top, there are buttons for View Storage Lens dashboard, Copy content, Empty, Delete, and Create bucket (which is highlighted with a red circle). Below this, there is a pagination indicator (< 1 >) and a refresh icon. The main table lists three buckets, each with columns for Access and Creation date.

Access	Creation date
Bucket and objects not public	June 4, 2023, 17:48:21 (UTC-05:00)
Bucket and objects not public	May 30, 2023, 19:17:33 (UTC-05:00)
Bucket and objects not public	May 30, 2023, 22:15:31 (UTC-05:00)

- 6 Click the "Bucket name" field and name it.

Create bucket Info

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name
 Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming

AWS Region

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

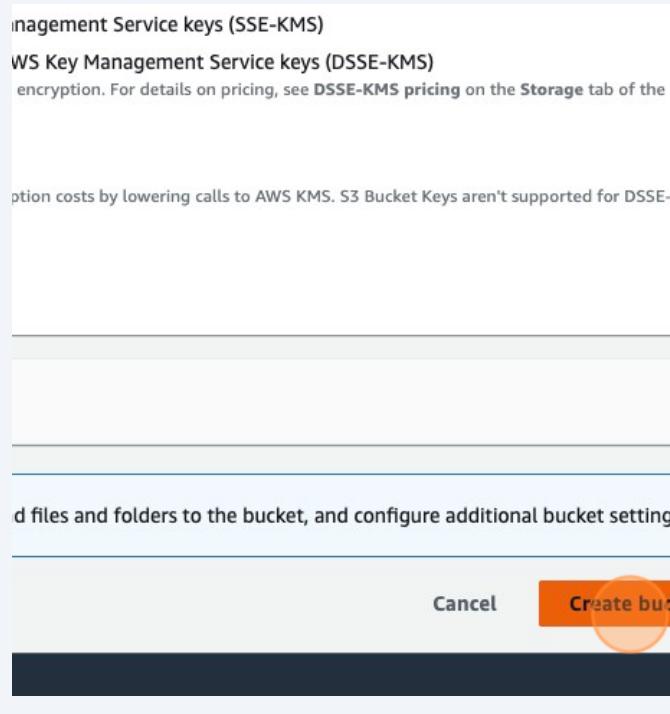
- 7 Click "Create bucket"

Key Management Service keys (SSE-KMS)
With AWS Key Management Service keys (DSSE-KMS)
vers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the Storage tab of the

encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-

Upload files and folders to the bucket, and configure additional bucket settings.

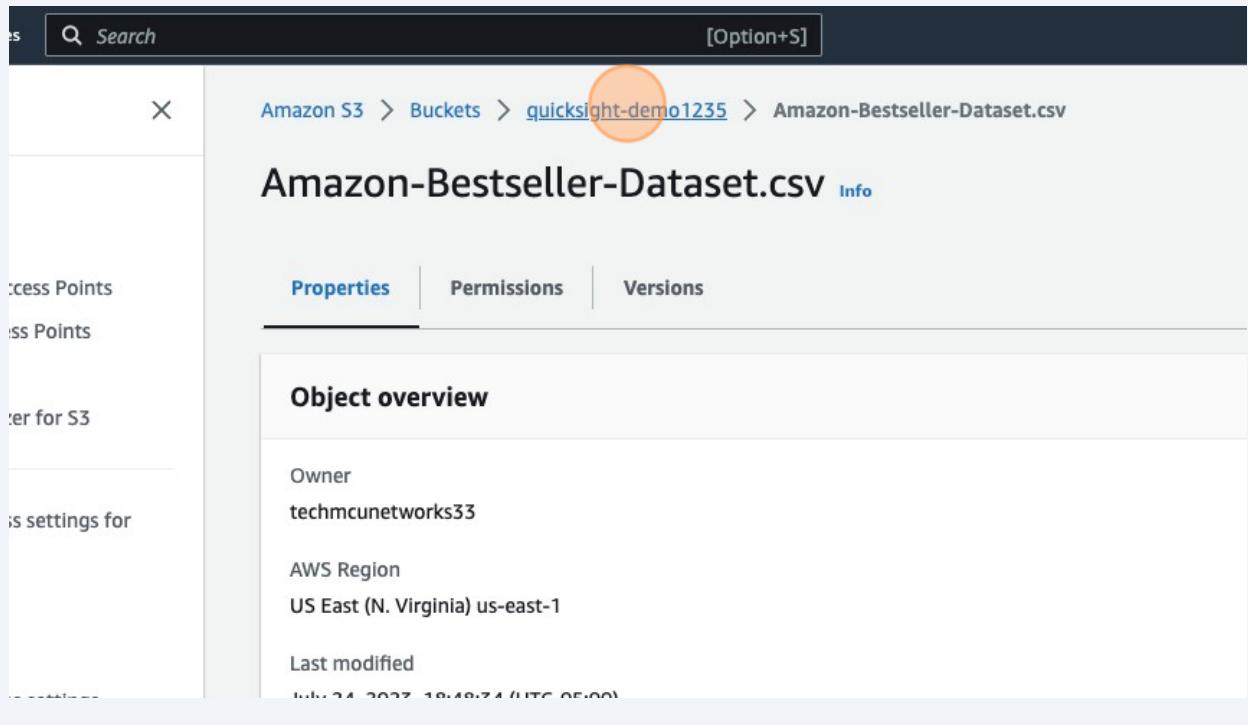
8 Click "Create bucket"



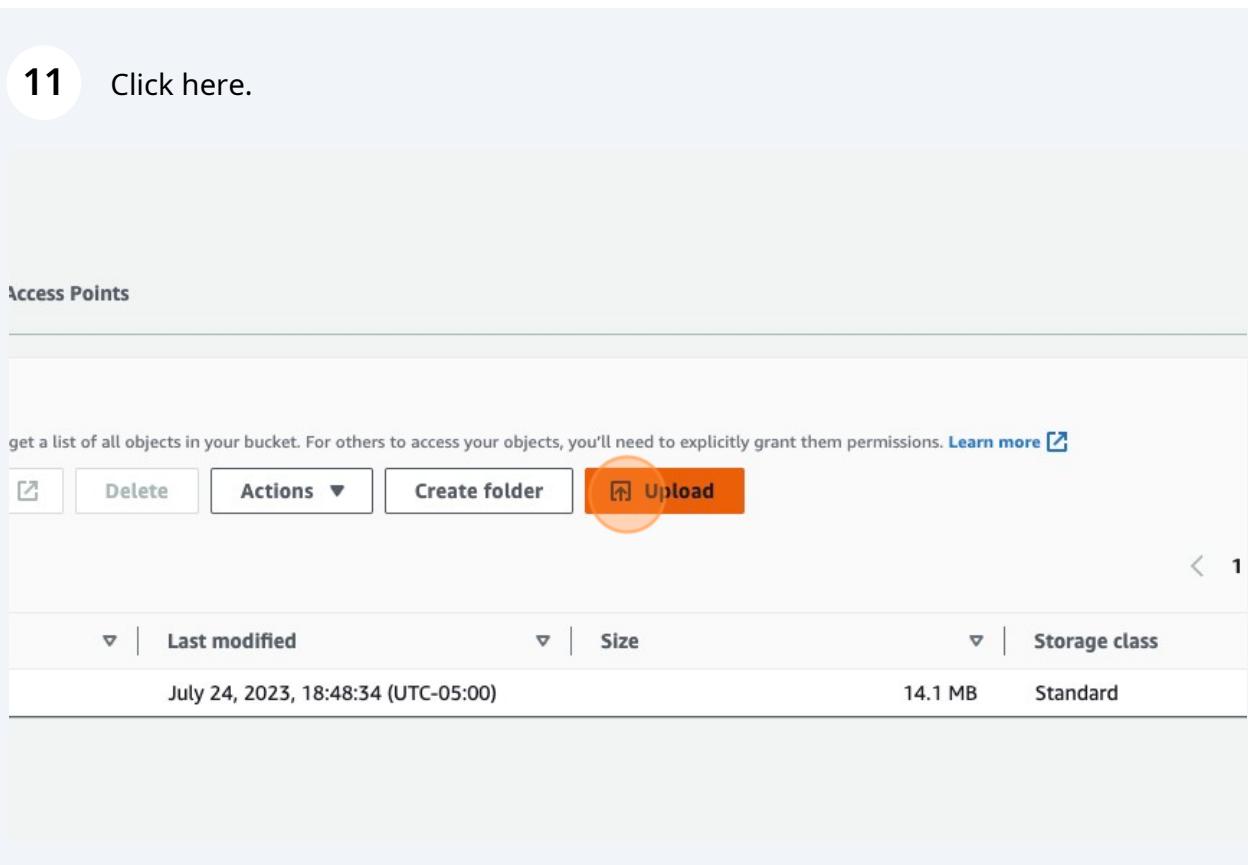
9 Click on the bucket you have created.

Bucket	Last modified	Region
cloudformation-demo-set	2020-07-05T14:22:22Z	US East (Ohio) us-east-2
codepipeline-us-east-1-320202070556	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
codepipeline-us-east-2-851739962552	2020-07-05T14:22:22Z	US East (Ohio) us-east-2
config-bucket-350151049716	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
elasticbeanstalk-us-east-1-350151049716	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
my-s3dev-bucket-demo	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
mybucket-intri-func-auto-infra-us-east-1	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
quicksight-demo1235	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
resource-auto-infra	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
resourcing-auto	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
s3-aws-automating-infra	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1
s3logs-cloudtrails	2020-07-05T14:22:22Z	US East (Ohio) us-east-2
s3trail-cloud	2020-07-05T14:22:22Z	US East (N. Virginia) us-east-1

10 Click on your S3 bucket.



11 Click here.



12 Click "Add files" to add your csv and json files.

nt to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon

files and folders you want to upload here, or choose **Add files** or **Add folder**.

Remove

Add files

Add folder

ll be uploaded.

< 1 >

▼ | Folder

▼ | Type

▼ | Size

▼

No files or folders

You have not chosen any files or folders to upload.

13 Click "Upload"

d in the specified destination.

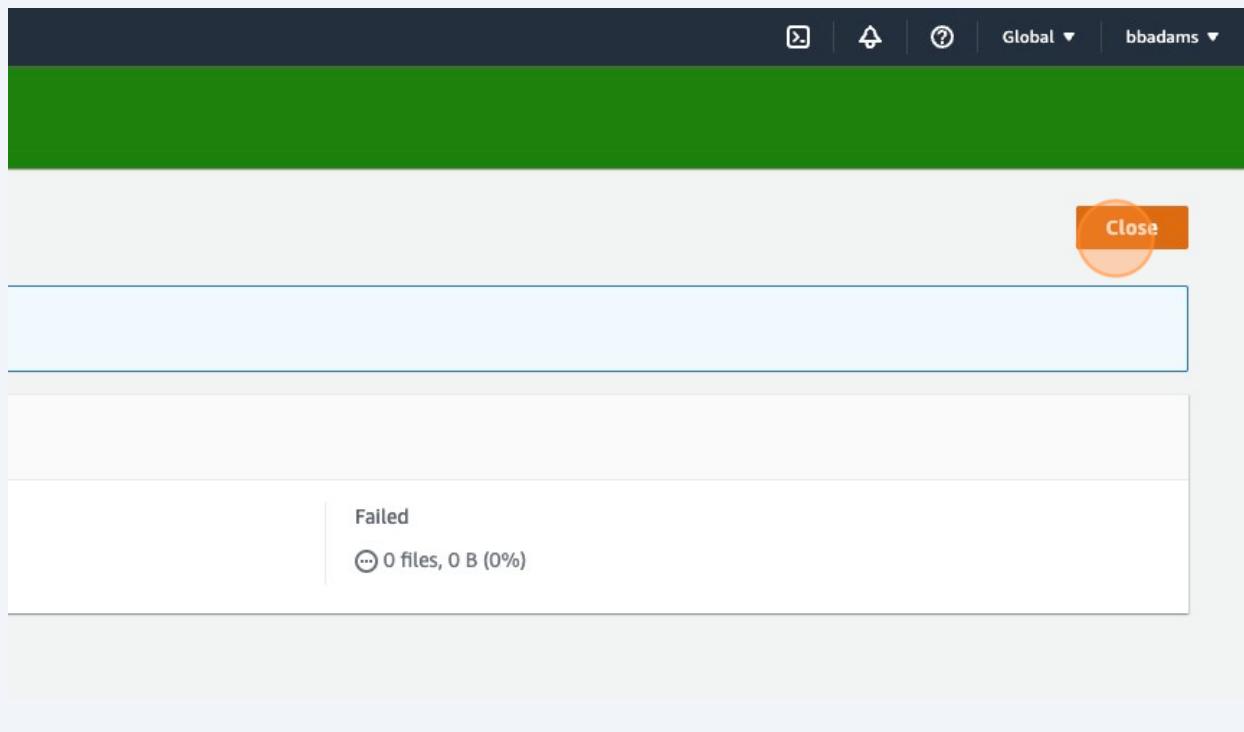
unts.

nd more.

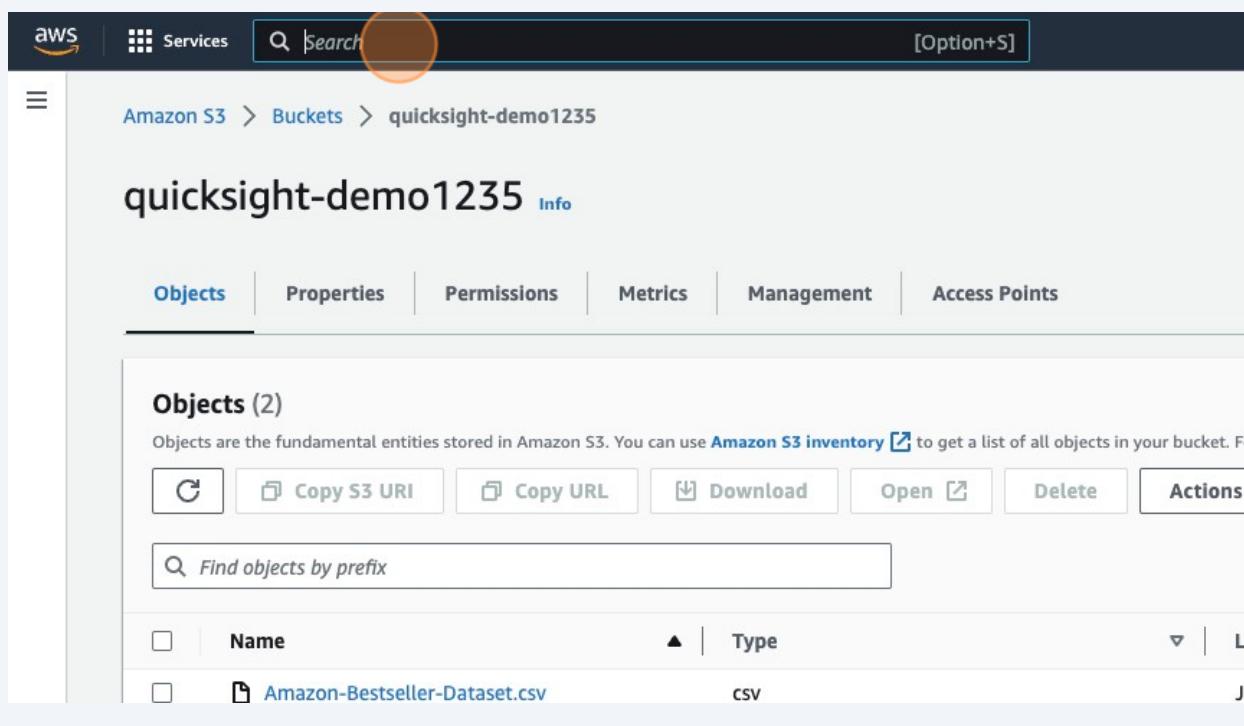
Cancel

Upload

- 14** See the files uploaded successfully and click "Close."



- 15** Click the "Search" field.



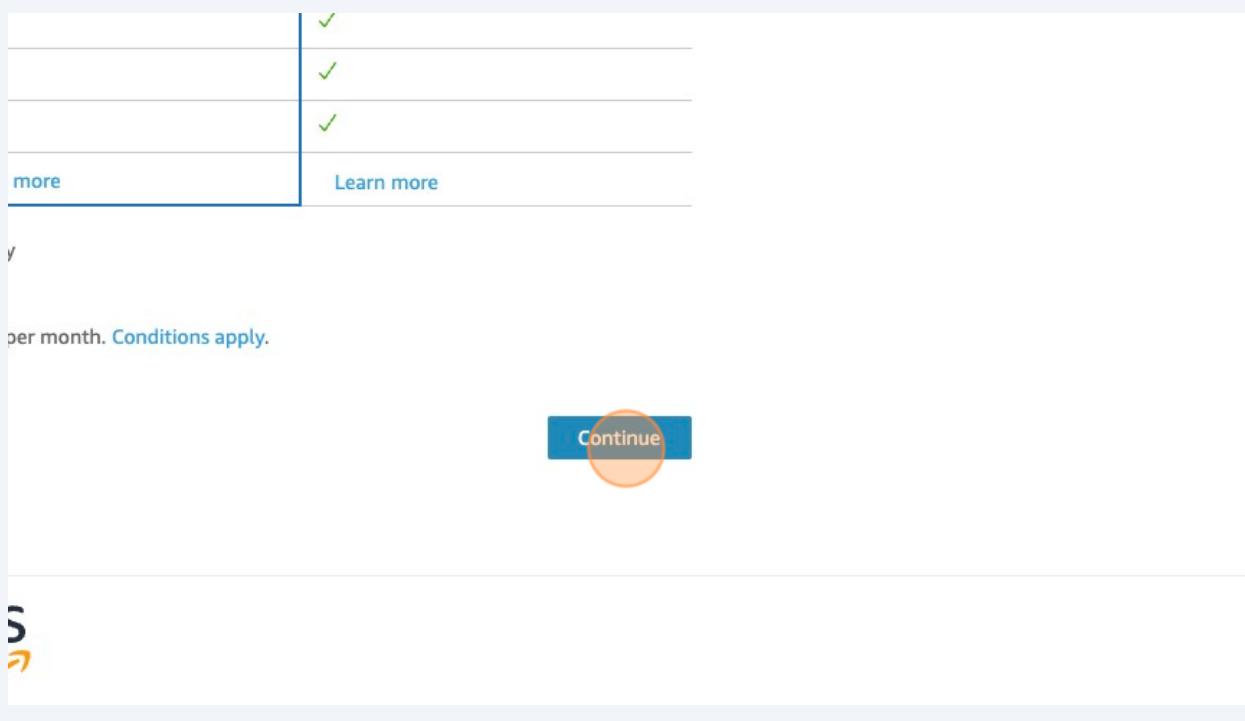
16 Type in "QuickSight" and click on it.

The screenshot shows the AWS search interface. In the top navigation bar, there is a 'Services' button and a search bar containing the text 'quick'. Below the search bar, a message says 'Search results for 'quick'' and 'Try searching with longer queries for more relevant results'. On the left side, there is a sidebar with sections for 'Amazon S3', 'quicksight', 'Objects', and 'Objects'. Under 'Objects', there are links for 'Documentation (18,343)', 'Knowledge Articles (20)', 'Marketplace (3,140)', 'Blogs (1,748)', 'Events (63)', and 'Tutorials (5)'. The main content area is titled 'Services' and lists several services. The 'QuickSight' service is highlighted with a large orange circle around its icon and title. Other listed services include 'Amazon Machine Learning', 'CodeStar', and 'Application Composer'. Each service entry includes a brief description and a star icon.

17 Click "Sign up for QuickSight"

The screenshot shows a confirmation page for signing up for QuickSight. It features a blue icon of a computer monitor displaying a network graph. To the right of the icon, the text reads: 'Your AWS Account is not signed up for QuickSight. Would you like to sign up now?'. Below this, it shows 'AWS Account' followed by the account ID '350151049716'. At the bottom of the page is a blue button with the text 'Sign up for QuickSight' in white. A large orange circle highlights this button. Below the button, a smaller note says 'To access QuickSight with a different account, [log in again](#)'.

18 Click "Continue"



19 Click "No, Maybe Later"

Automate delivery with schedules

- Send regular email reports with attachments and download links.
- Schedule data exports at scale in CSV format

Get started fast

- Build all insights from a single source of truth dataset.
- QuickSight offers one authoring experience for building and accessing dashboards and reports.
- No additional training or experience needed.



- 20 Click the "QuickSight account name" field and name the QuickSight.

QuickSight region

Select a region 

US East (N. Virginia) 

Account info

QuickSight account name 

You will need this for you and others to sign in

techclouds 

Notification email address 

For QuickSight to send important notifications

Enter account notification email address

QuickSight access to AWS services

Make your existing AWS data and users available in QuickSight. [Learn more](#)

- 21 Click the "Notification email address" field and add your email address.

US East (N. Virginia) 

Account info

QuickSight account name 

You will need this for you and others to sign in

techwithclouds

Notification email address 

For QuickSight to send important notifications

Enter account notification email address 

QuickSight access to AWS services

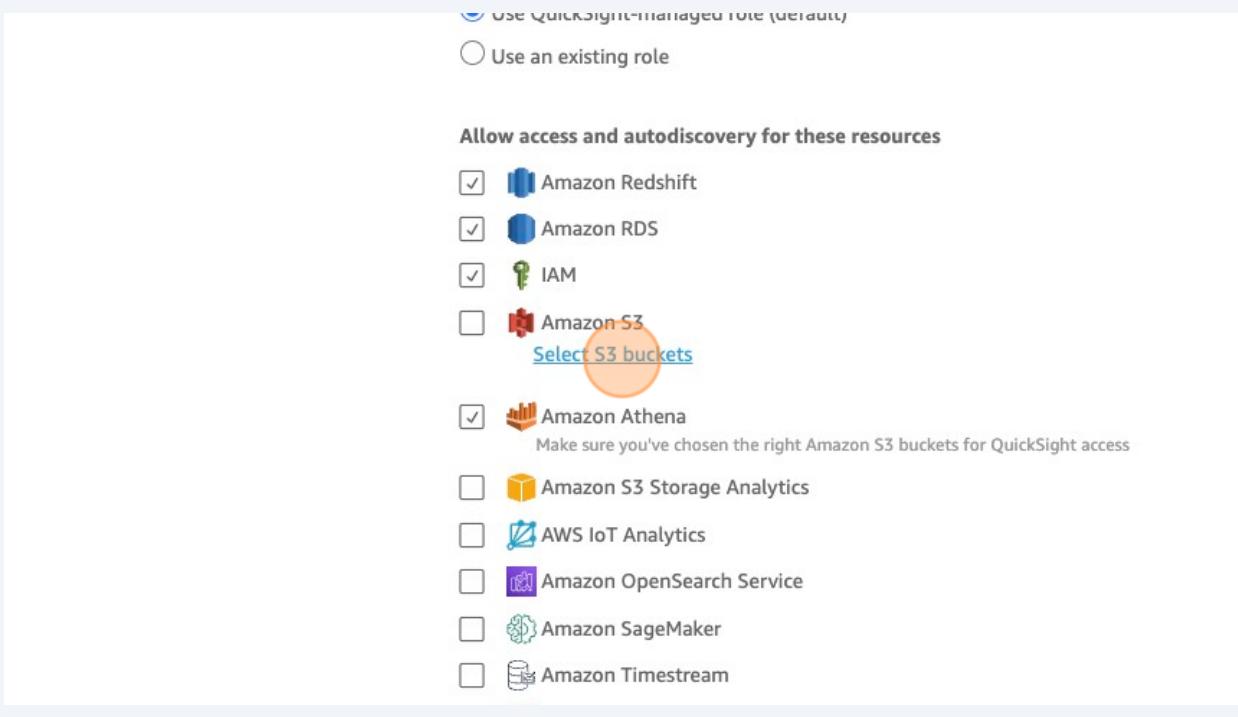
Make your existing AWS data and users available in QuickSight. [Learn more](#)

IAM Role

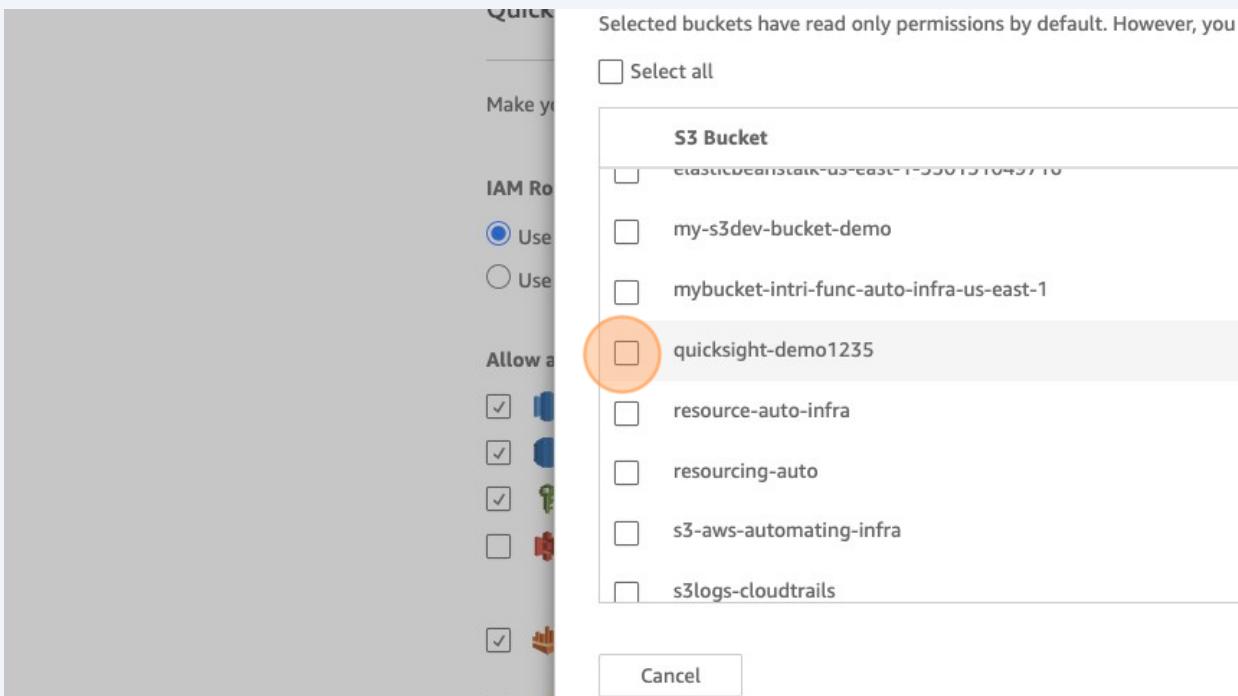
Use QuickSight-managed role (default)

...

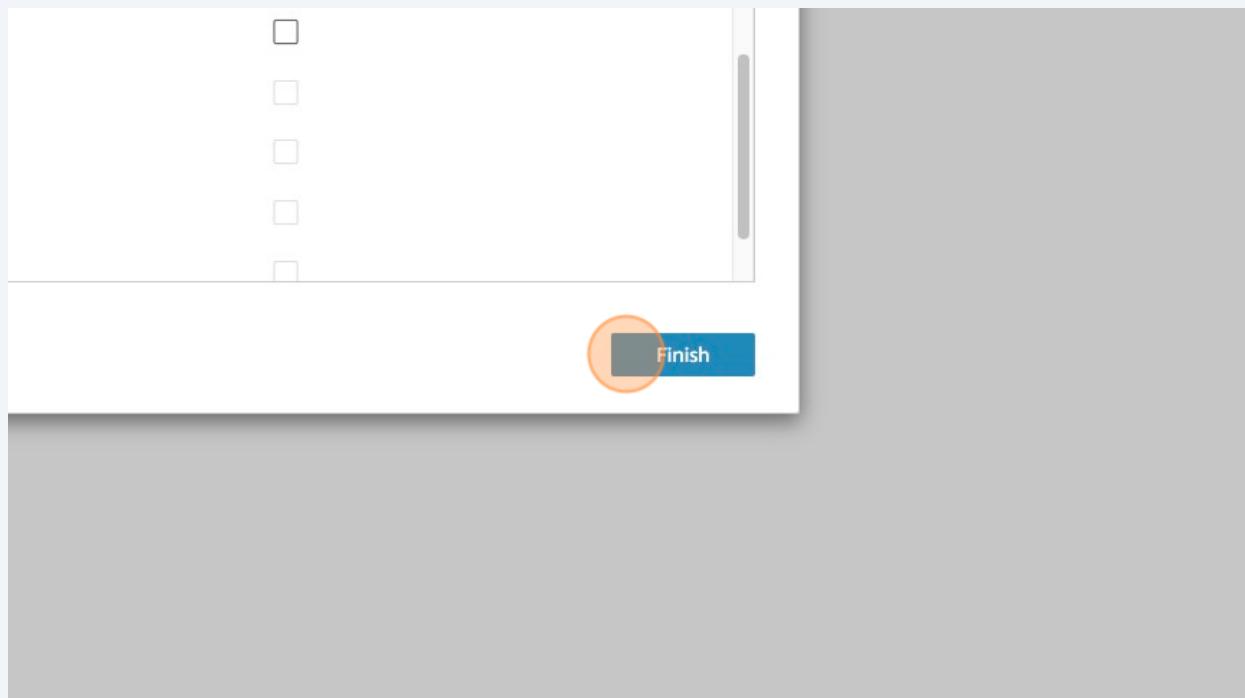
22 Click "Select S3 buckets"



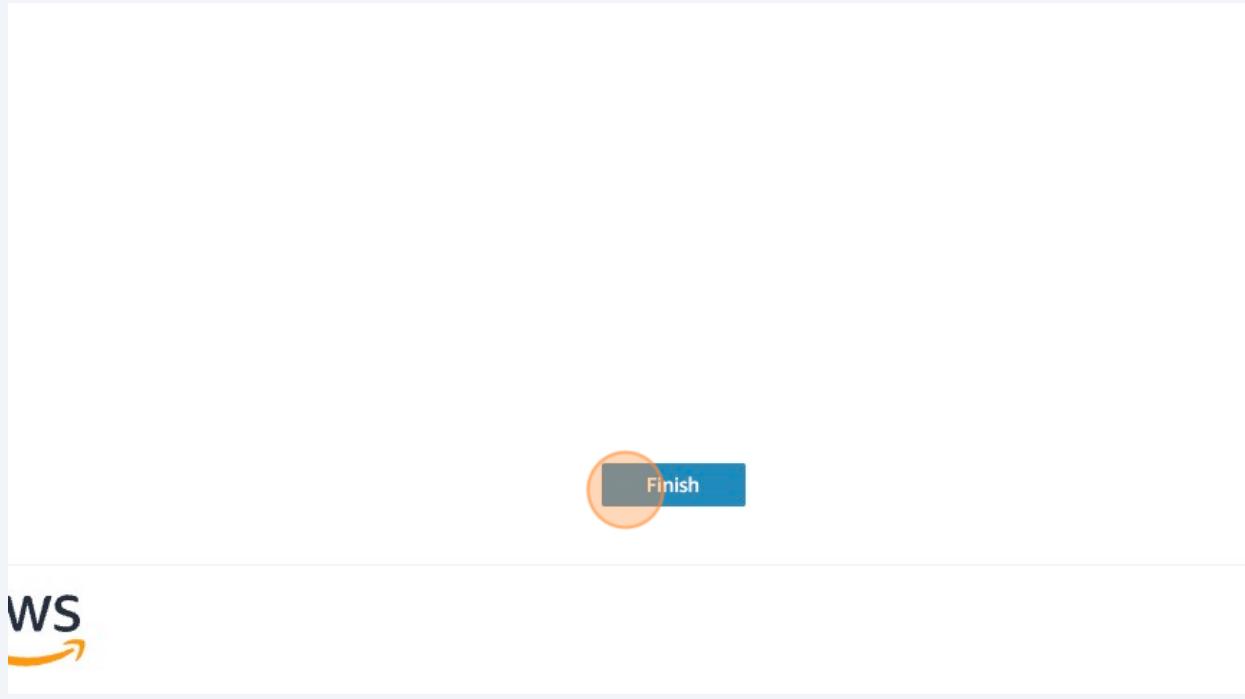
23 Click this checkbox for the S3 bucket you just created.



24 Click "Finish"



25 Click "Finish" again.



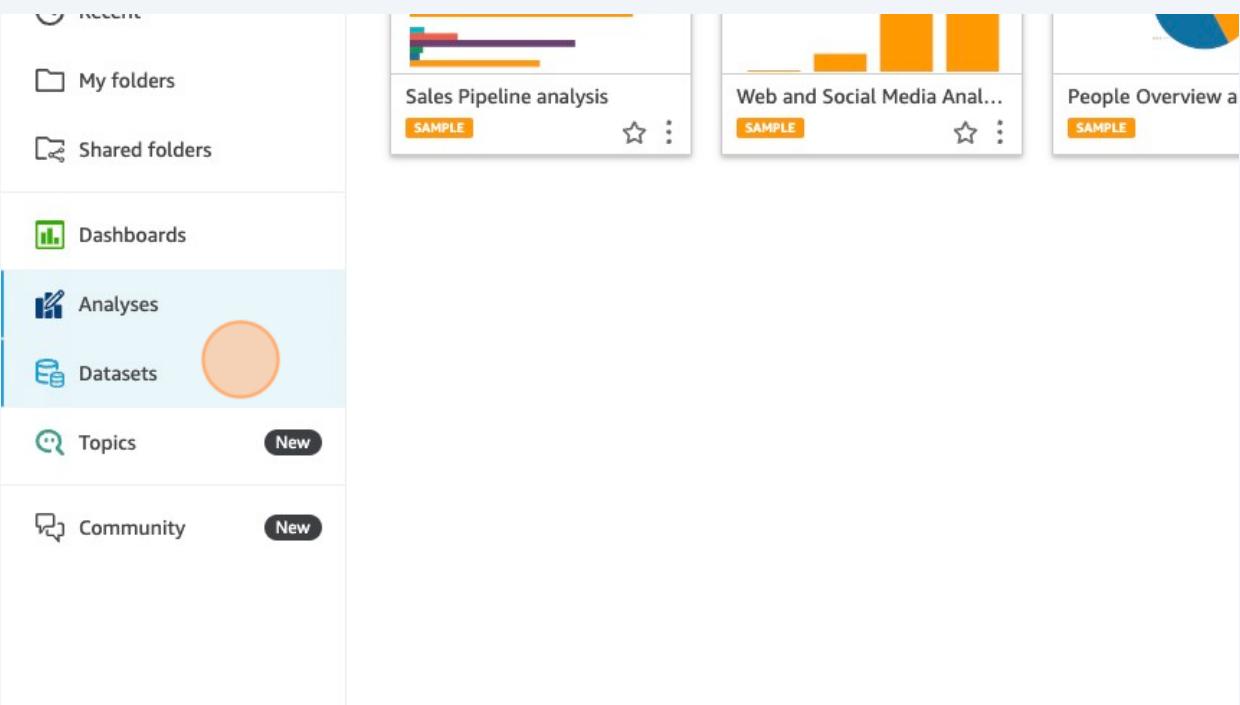
26 Click "Go to Amazon QuickSight"

Congratulations! You are signed up for Amazon QuickSight!

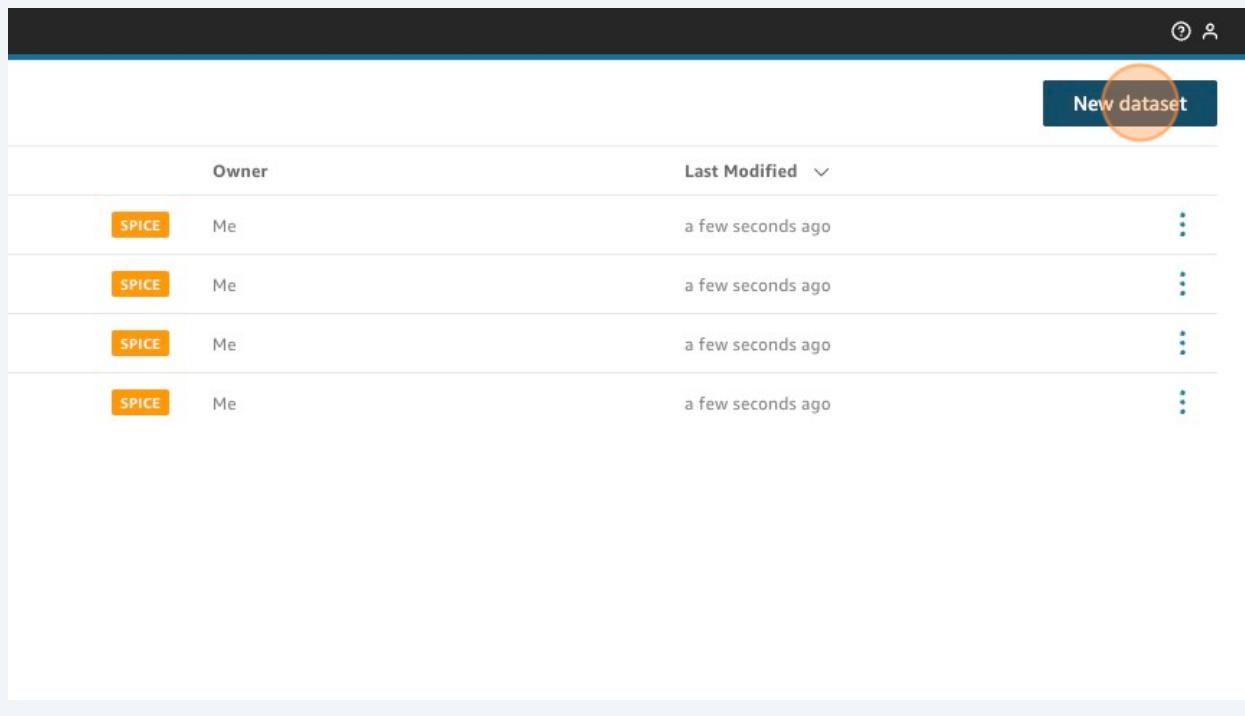
Access QuickSight with the following information
Account name: techwithclouds

[Go to Amazon QuickSight](#)

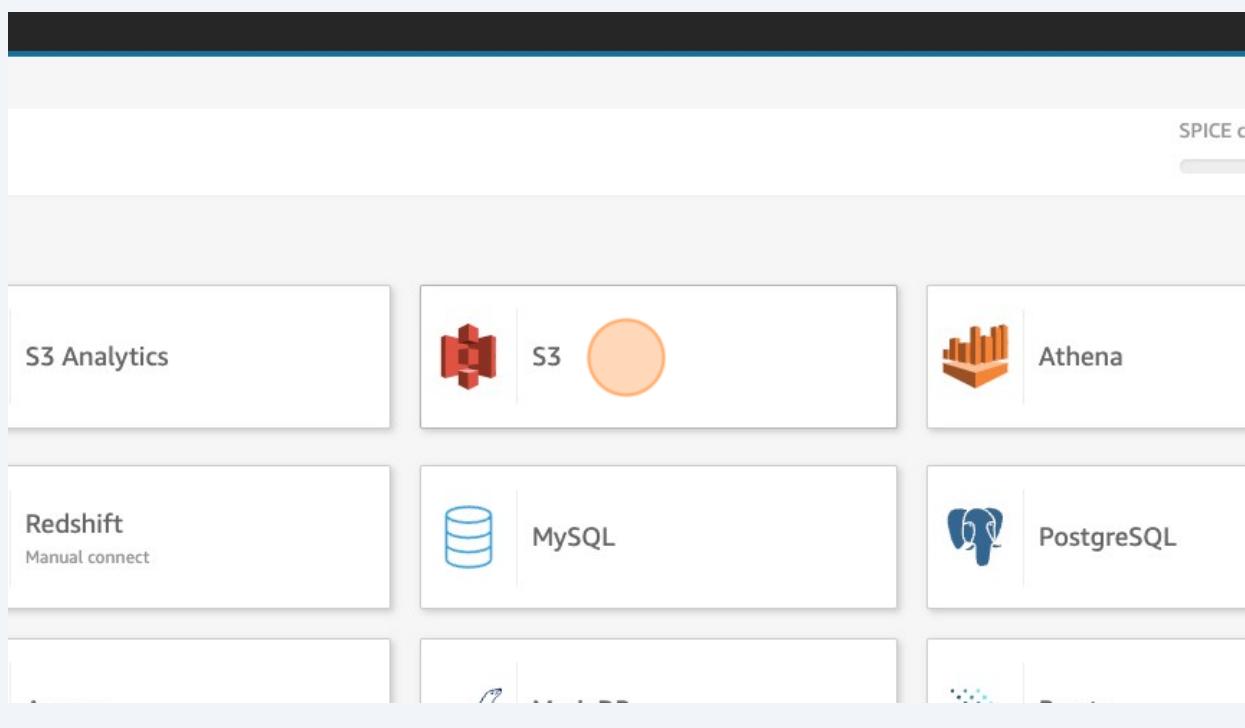
27 Click "Datasets"



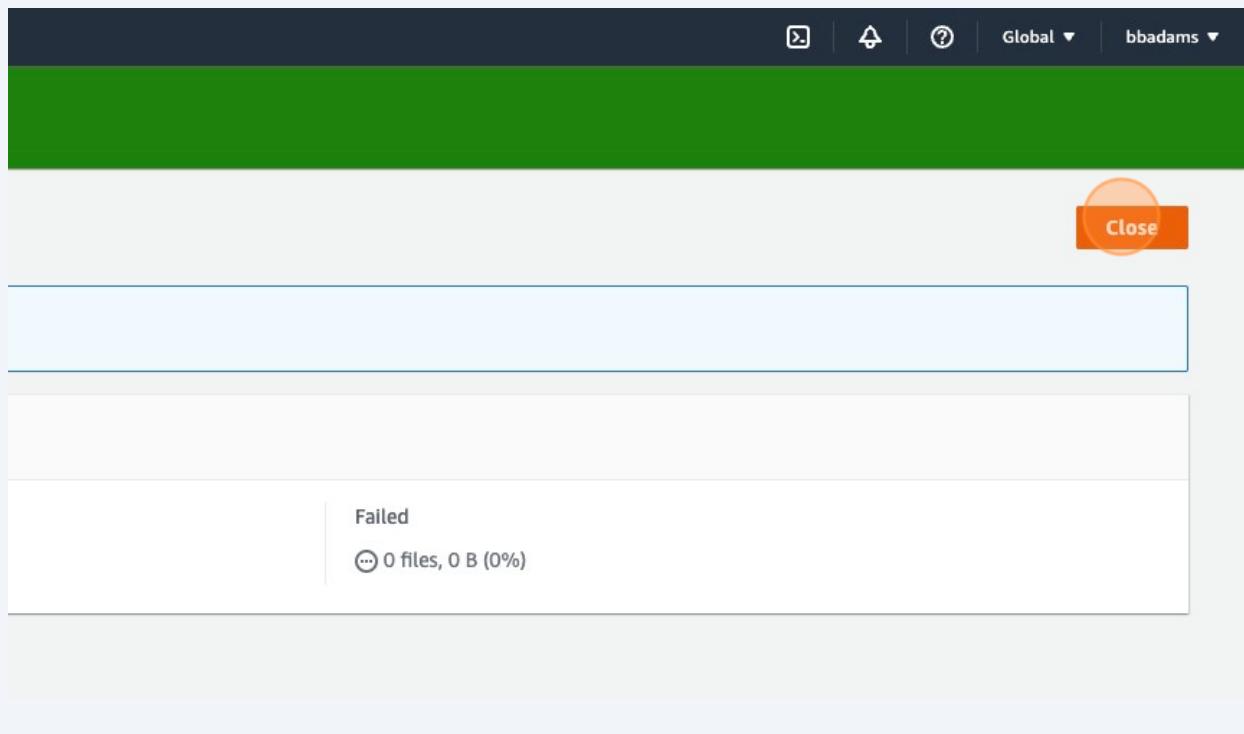
28 Click "New dataset"



29 Click "S3"



30 Click "Close"

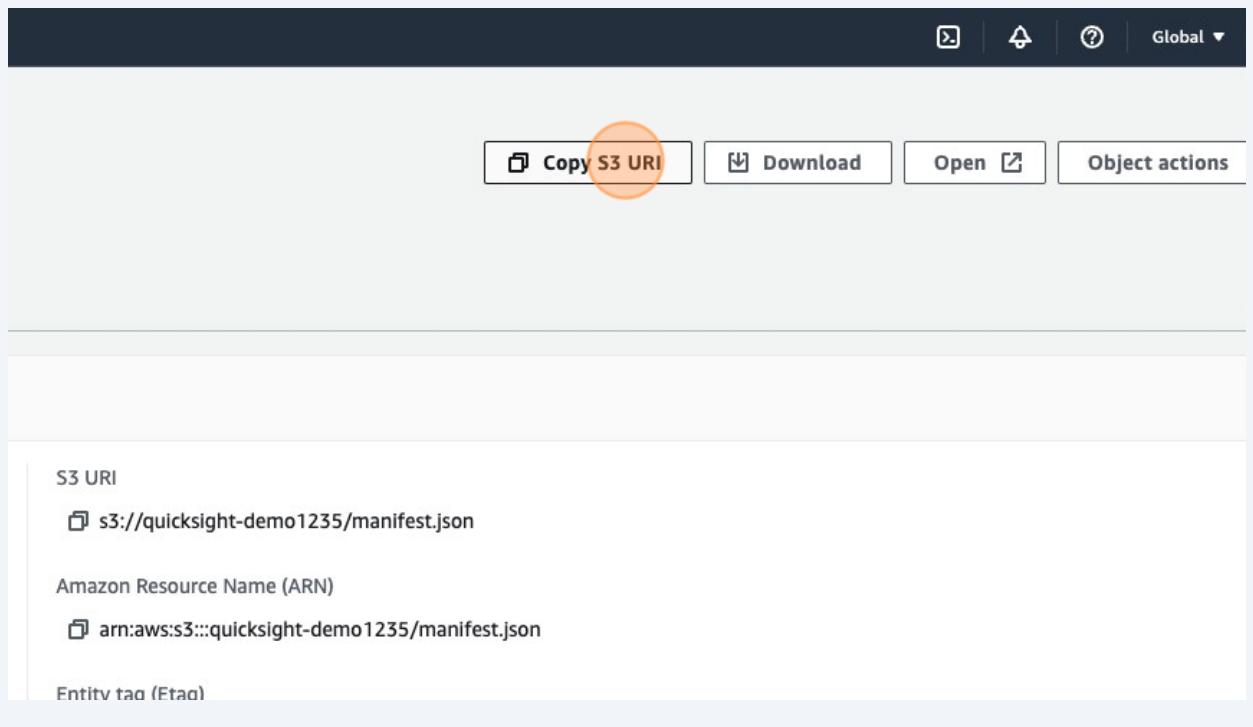


31 Click "manifest.json"

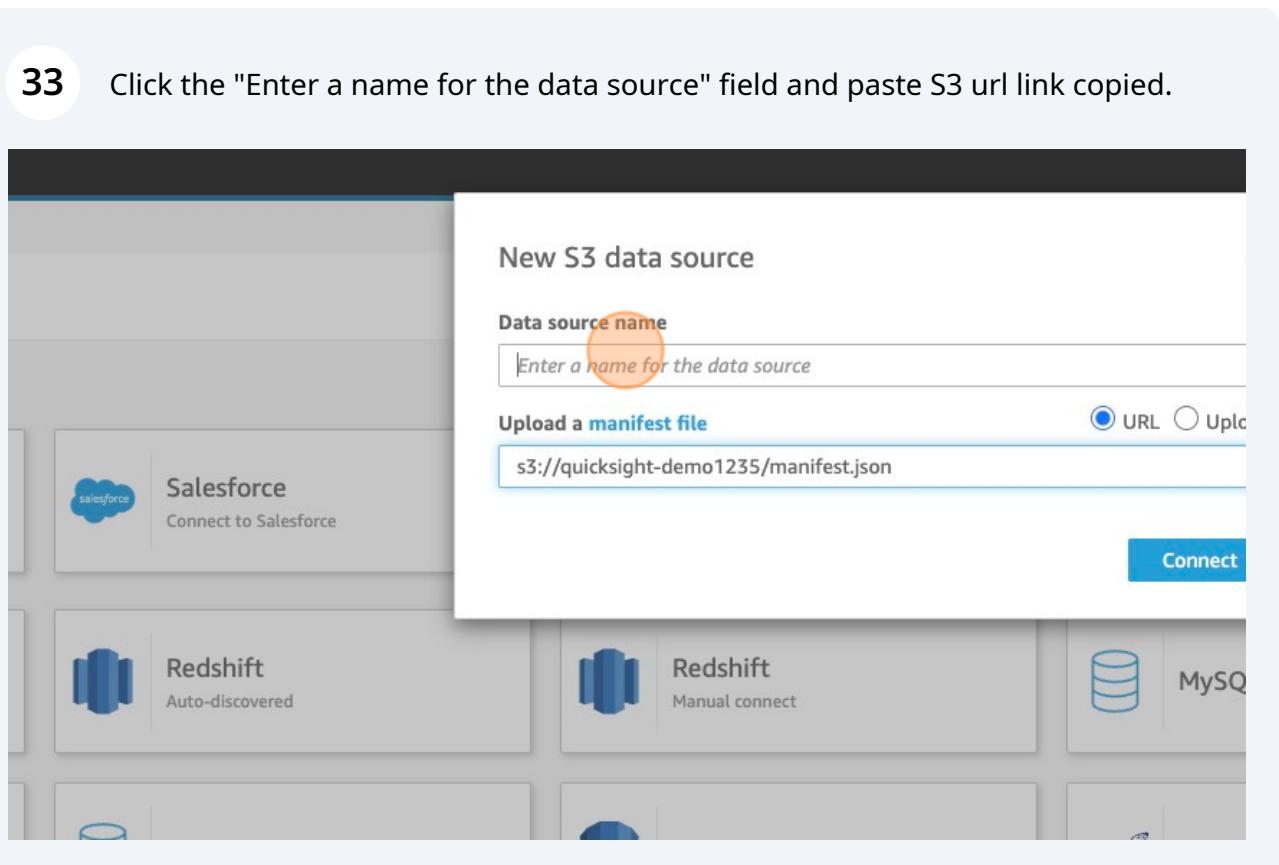
A screenshot of the AWS S3 console. The left sidebar shows a tree view with 'Amazon-Bestseller-Dataset' expanded. The main area is titled 'Objects (2)'. It displays two items: 'Amazon-Bestseller-Dataset.csv' (Type: csv) and 'manifest.json' (Type: json). The 'manifest.json' row is highlighted with a red circle. At the top of the object list, there are several buttons: 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', and 'Actions'. Below these buttons is a search bar with the placeholder 'Find objects by prefix'.

<input type="checkbox"/>	Name	Type
<input type="checkbox"/>	Amazon-Bestseller-Dataset.csv	csv
<input type="checkbox"/>	manifest.json	json

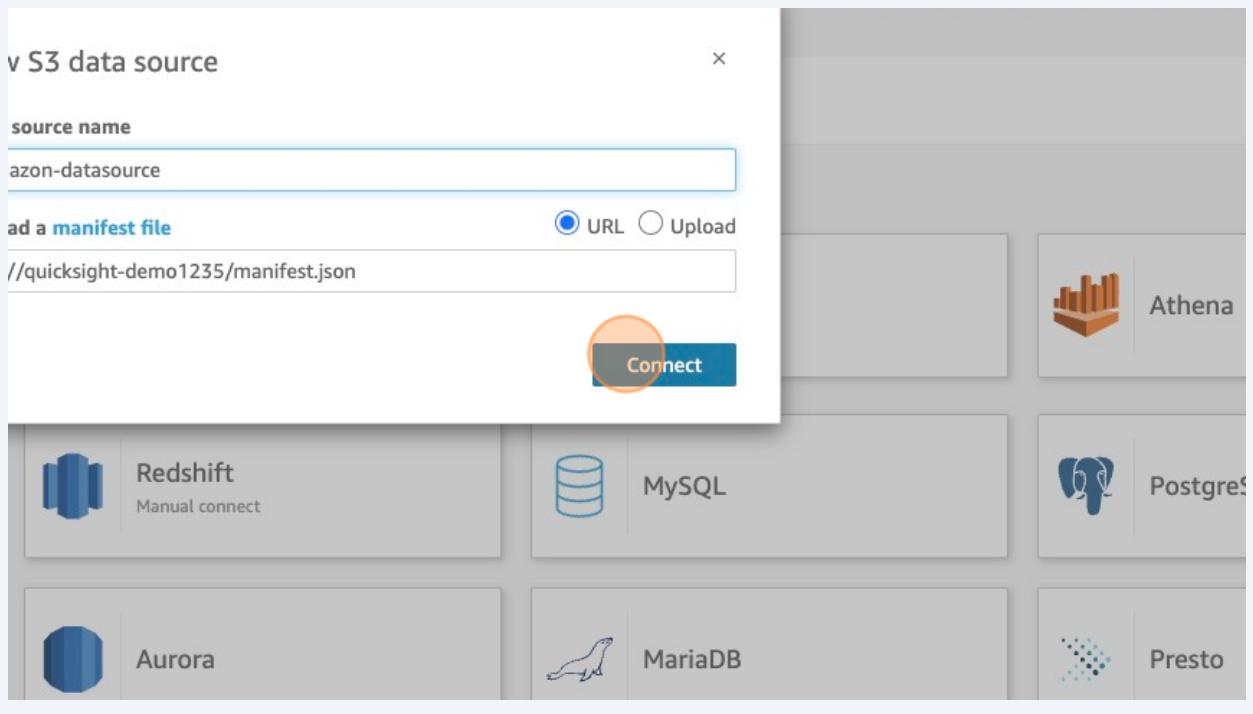
32 Click "Copy S3 URI"



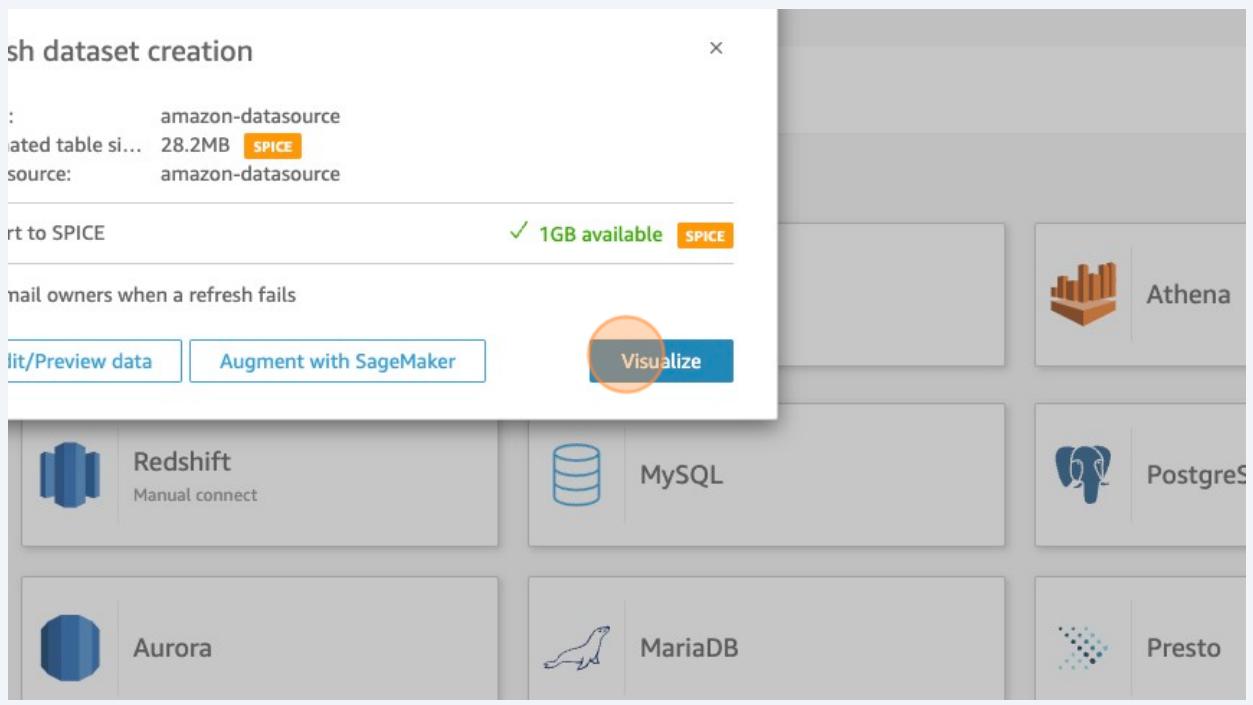
33 Click the "Enter a name for the data source" field and paste S3 url link copied.



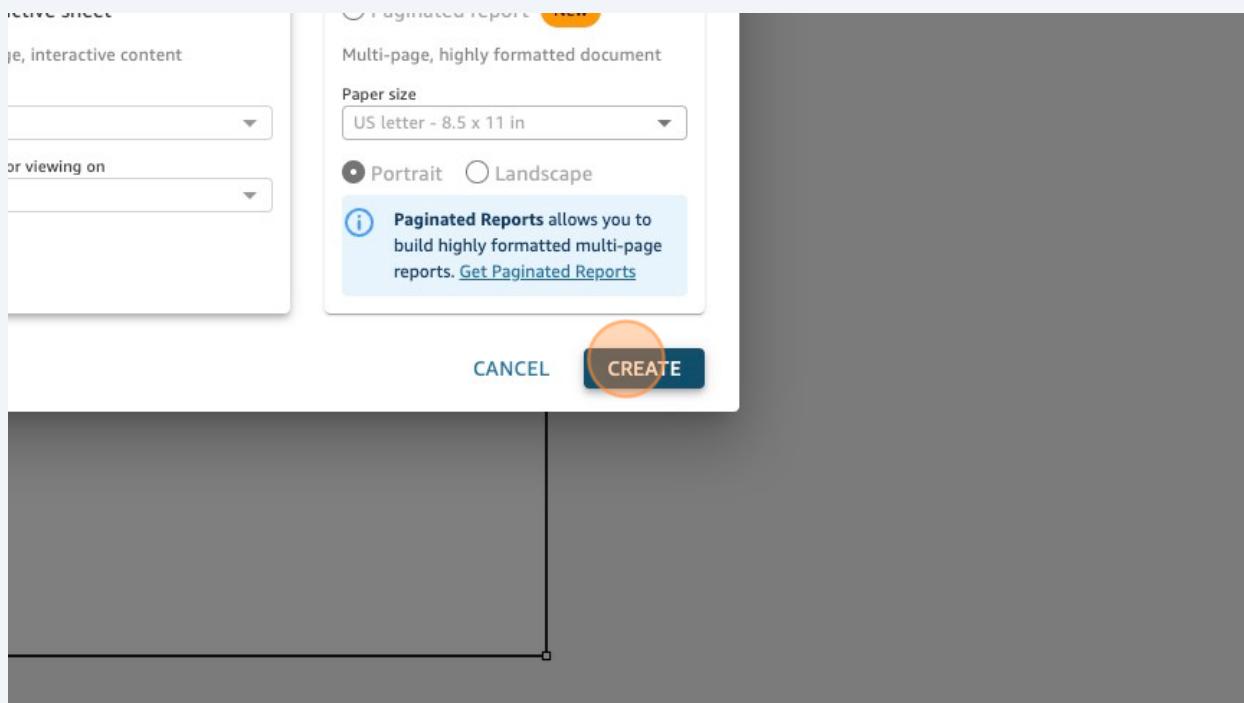
34 Click "Connect"



35 Click "Visualize"



36 Click "CREATE"



37 Click "Sheet 1" and rename accordingly.

The screenshot shows the QuickSight interface with a dark header bar. The main area has a sidebar on the left with icons for Visualize, Filter, Insights, Parameters, and Actions. The main workspace is titled "Field wells" and contains a "Dataset" dropdown set to "SPICE amazon-datasource analysis" and a "Fields list" search bar. Below the search bar is a list of fields: availability, brand, categories, price (USD), product_id, seller_id, seller_name, title, and url. A "Sheet 1" dropdown is highlighted with an orange circle. The text "AutoGraph" is visible in the bottom right corner of the workspace.

38 Click "brand"

The screenshot shows the QuickSight interface with the following components:

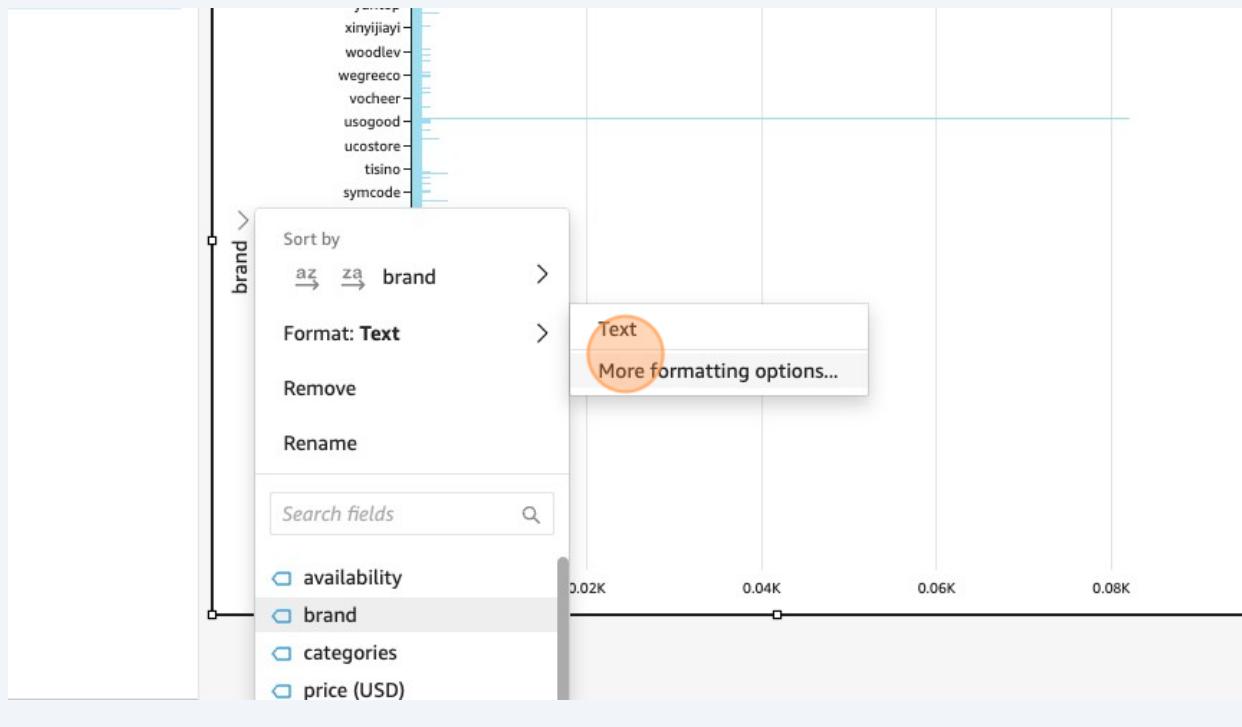
- File Edit Data Insert Sheets Objects**: The top navigation bar.
- + ADD**: A button to add new objects.
- Visualize**: A sidebar icon.
- Dataset**: Set to "SPICE amazon-datas...".
- Fields list**: A list of fields:
 - availability
 - brand** (highlighted with an orange circle)
 - categories
 - price (USD)
 - product_id
 - seller_id
 - seller_name
 - title
 - url
- Field wells**: A panel titled "Popular Brands".
- AutoGraph**: A placeholder text: "Choose 1 or more fields and let QuickSight choose the mos".

39 Click "brand"

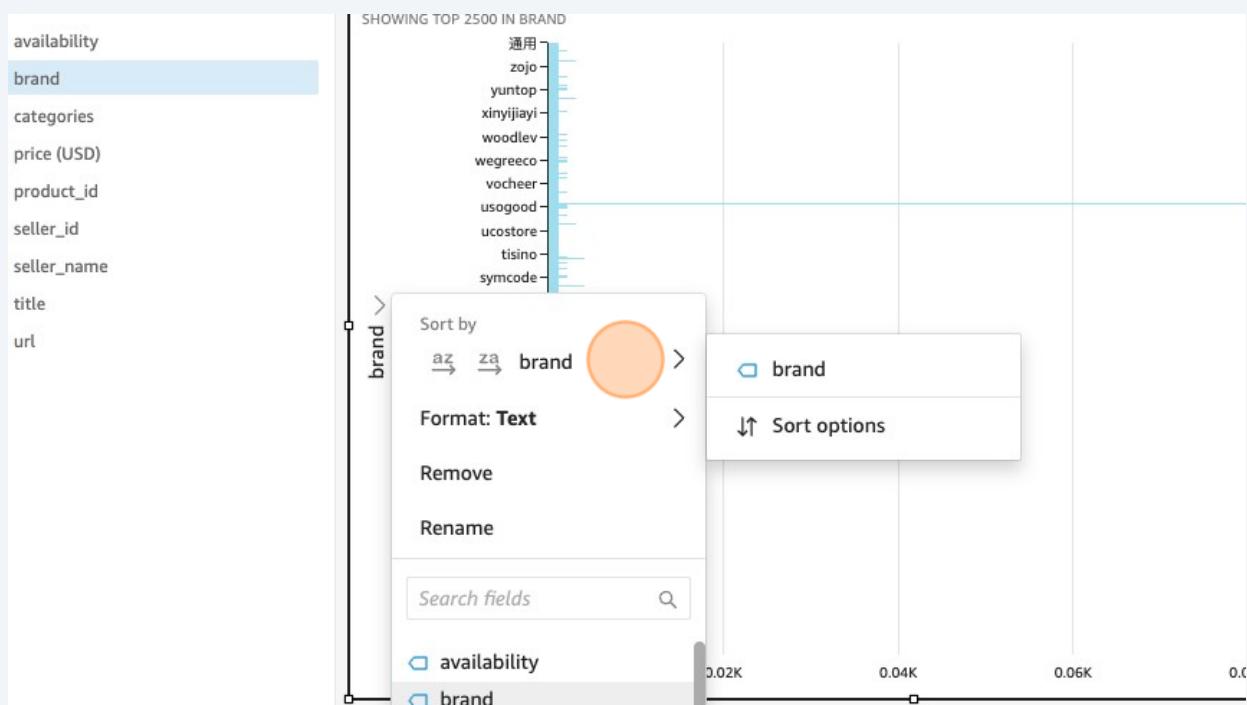
The screenshot shows the QuickSight interface with the following components:

- File Edit Data Insert Sheets Objects**: The top navigation bar.
- + ADD**: A button to add new objects.
- Visualize**: A sidebar icon.
- Dataset**: Set to "SPICE amazon-datas...".
- Fields list**: A list of fields:
 - availability
 - brand** (highlighted with an orange circle and has a blue background)
 - categories
 - price (USD)
 - product_id
 - seller_id
 - seller_name
 - title
 - url
- Field wells**: A panel titled "Popular Brands".
- Y axis**: A dropdown menu set to "brand".
- Value**: A dropdown menu set to "Count of Records by Brand".
- Group/Color**: A dropdown menu.
- Count of Records by Brand**: A placeholder text.

40 Click "More formatting options..."



41 Click "brand"



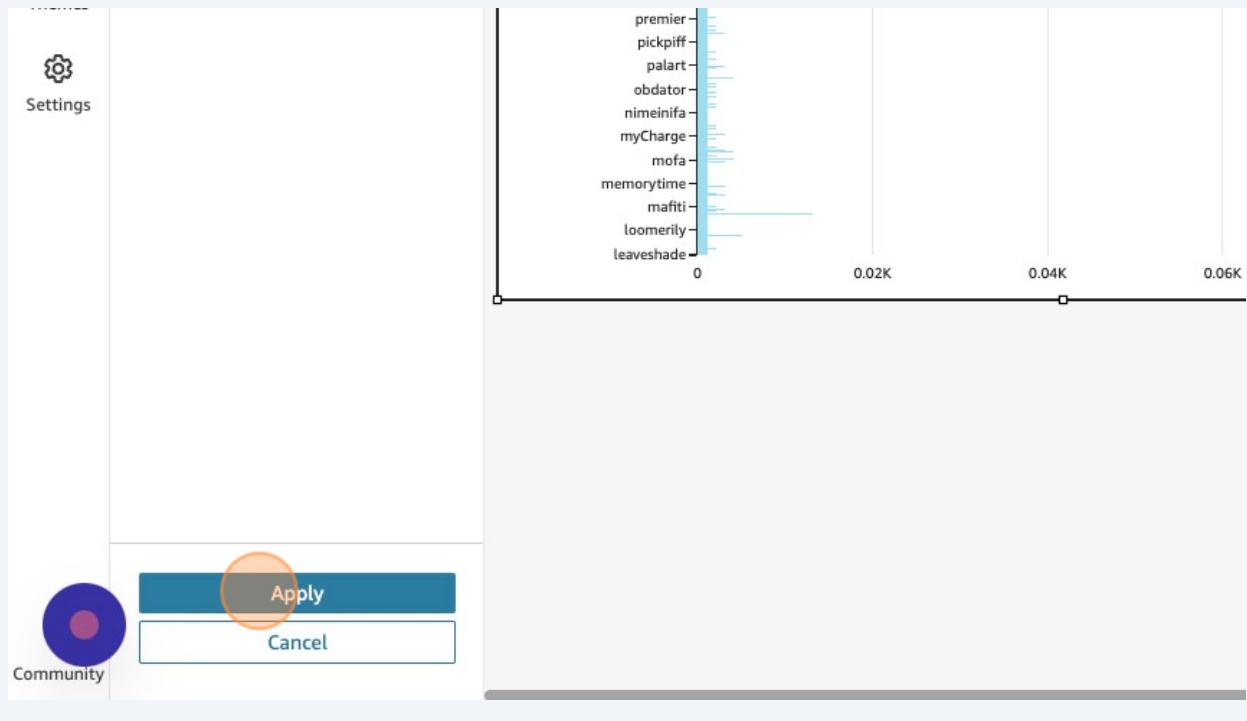
42 Click Sort options.

A screenshot of a data visualization tool's interface. On the left, there is a sidebar with icons for Visualize, Filter, Insights, Parameters, Actions, Themes, and Settings. The main area shows a list of brands on the left and a chart on the right. A context menu is open over a brand entry in the list, with 'Sort by' selected. A sub-menu for 'Sort by' is open, showing 'az' and 'za' options, with 'brand' selected. Another context menu is open over the 'brand' option in the sub-menu, with 'Sort options' highlighted and circled in orange. The chart on the right is a horizontal bar chart titled 'Count of Records by Brand' showing the top 2500 brands.

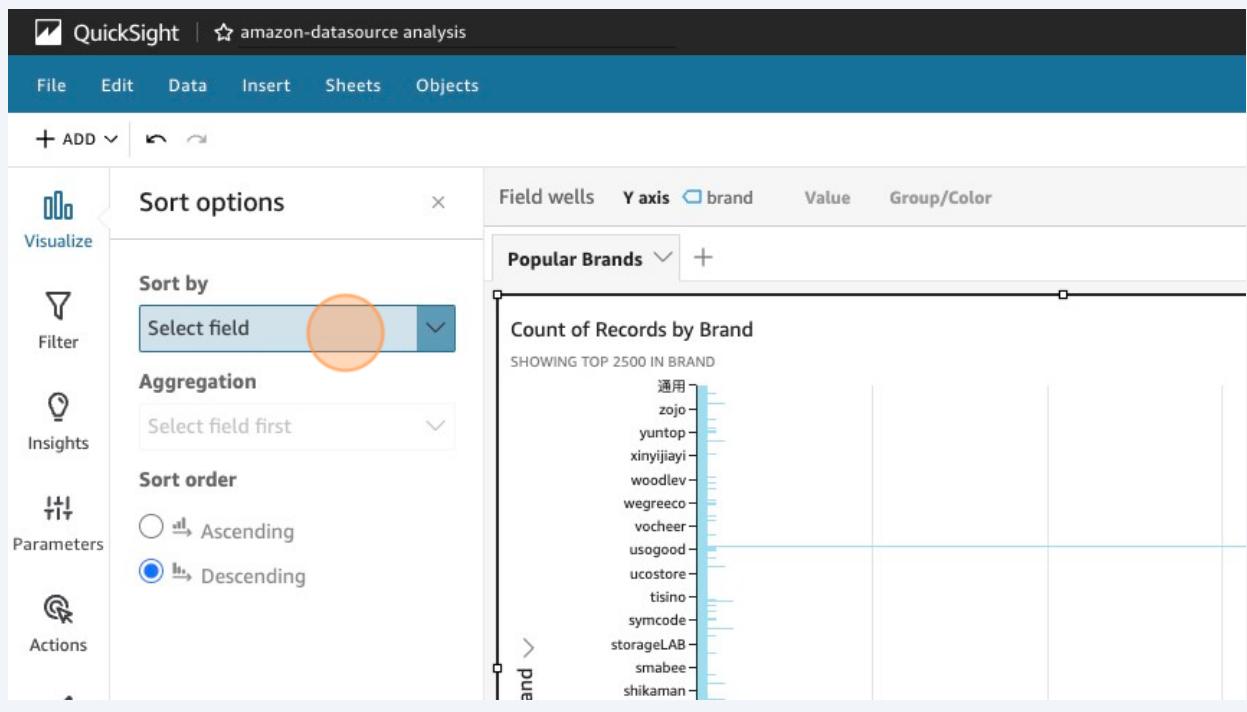
43 Click "Descending"

A screenshot of a data visualization tool's interface. On the left, there is a sidebar with icons for Visualize, Filter, Insights, Parameters, Actions, Themes, and Settings. The main area shows a list of brands on the left and a chart on the right. In the center, there is a 'Sort by' section with a dropdown for 'Select field'. Below it is an 'Aggregation' section with a dropdown for 'Select field first'. Underneath is a 'Sort order' section with two radio buttons: 'Ascending' (selected) and 'Descending', with 'Descending' circled in orange. To the right, there is a chart titled 'Popular Brands' showing the count of records by brand. The chart has a legend indicating 'brand' and shows a list of brands on the left side.

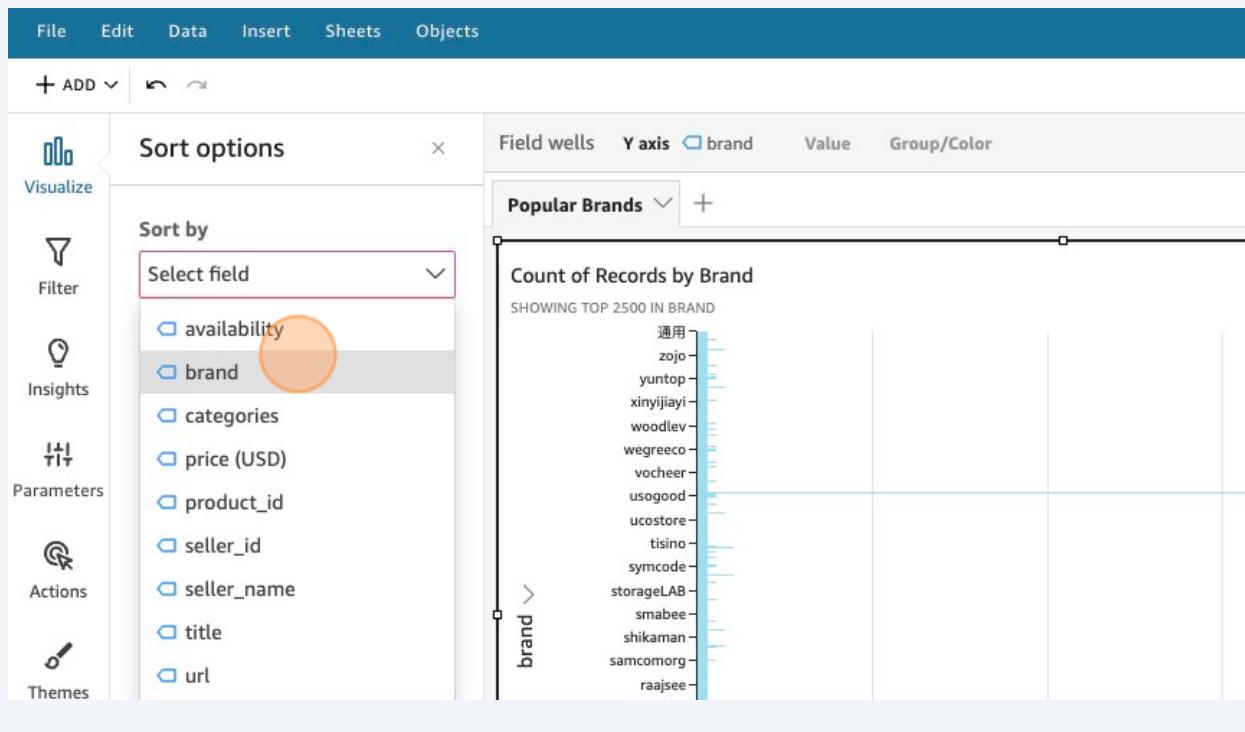
44 Click "Apply"



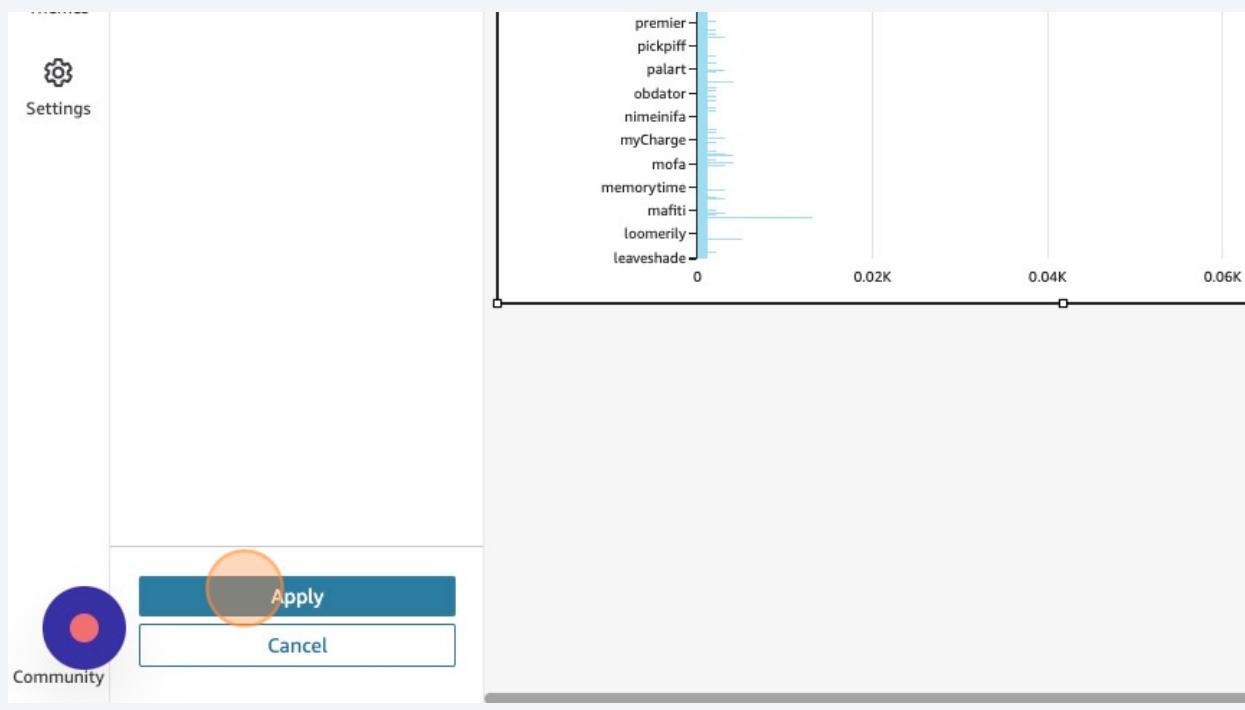
45 Click "Select field"



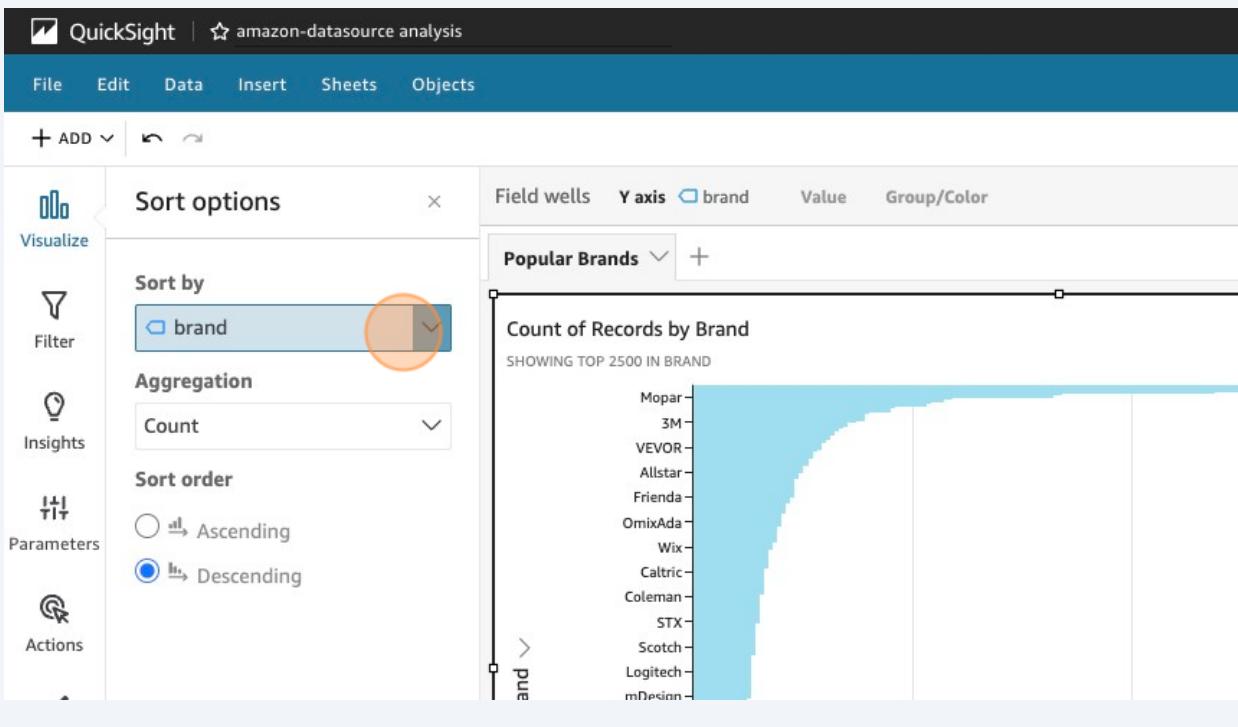
46 Click "brand"



47 Click "Apply"



48 Click here.



49 Click "Close"

