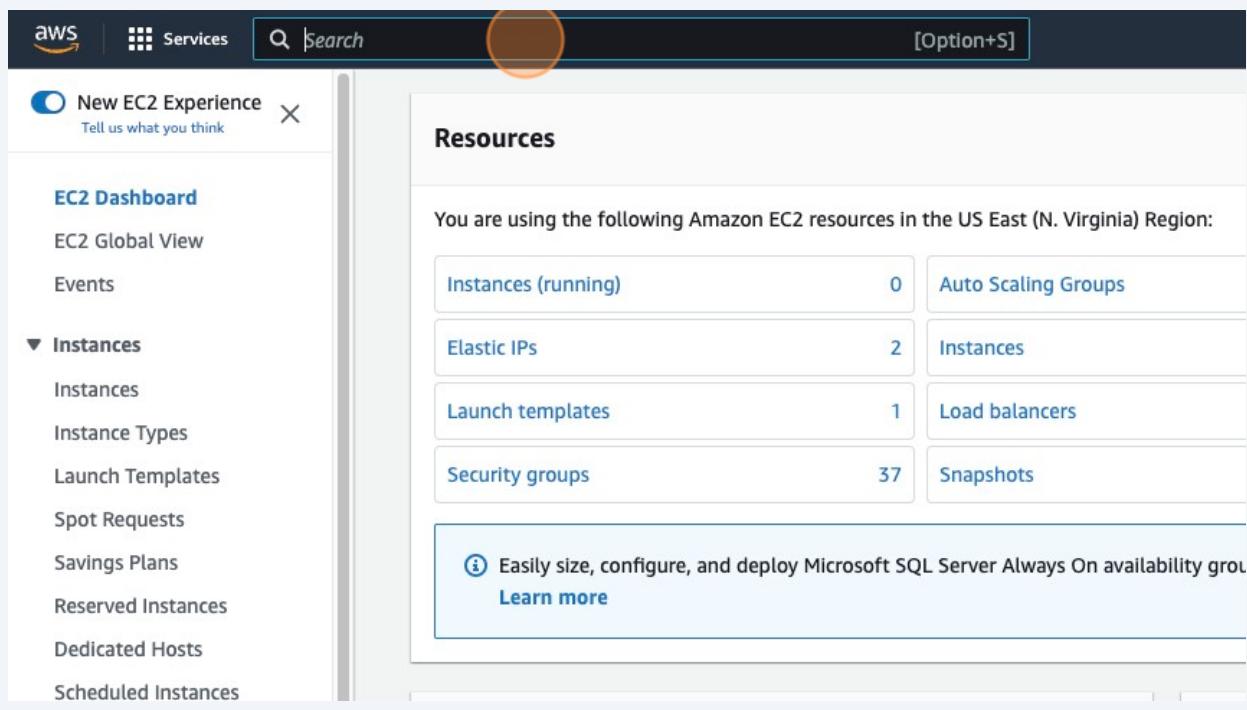


# Step-by-step guide to creating an S3 bucket and visualizing data in QuickSight

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](https://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 are buttons for navigation and filtering. 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.

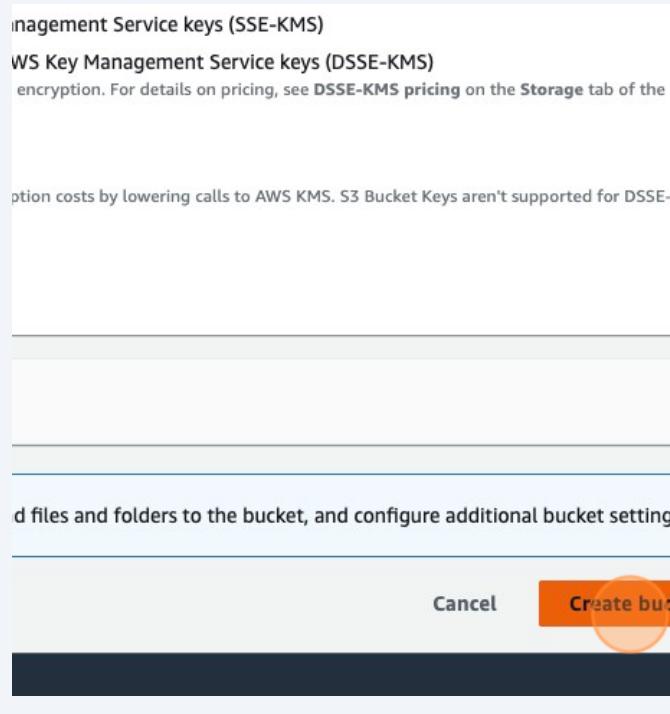
- 7 Click "Create bucket"

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"

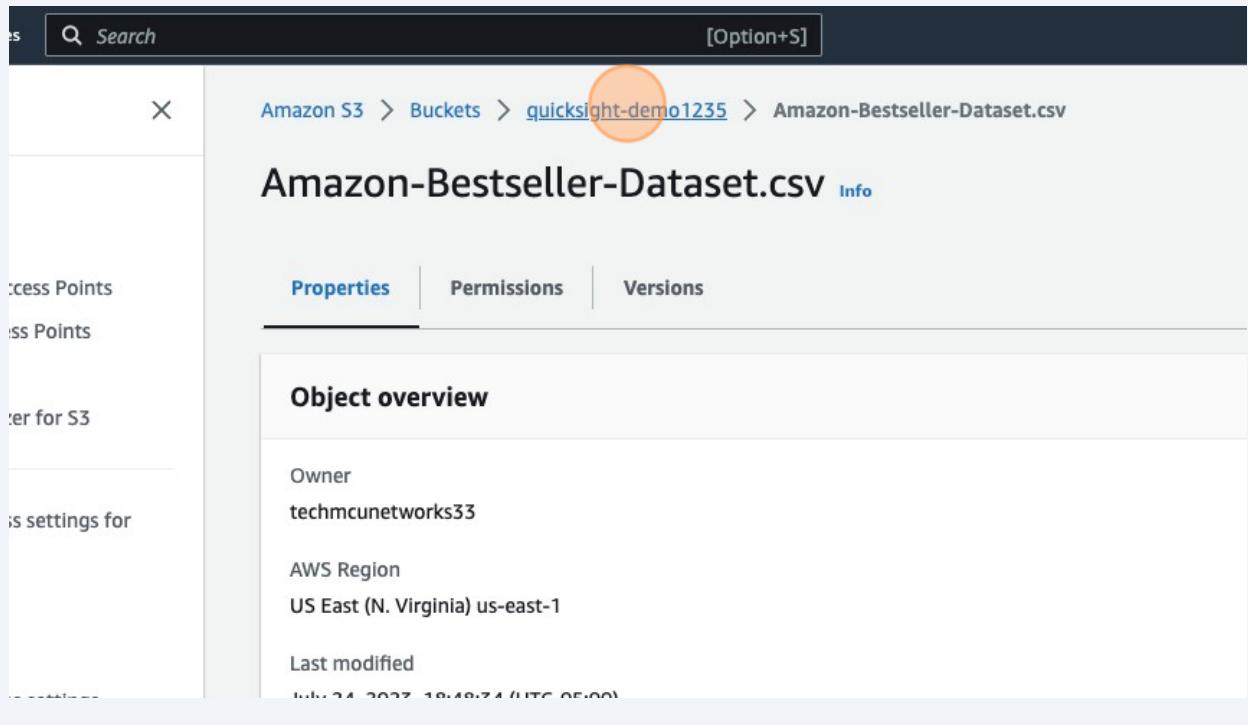


## 9 Click on the bucket you have created.

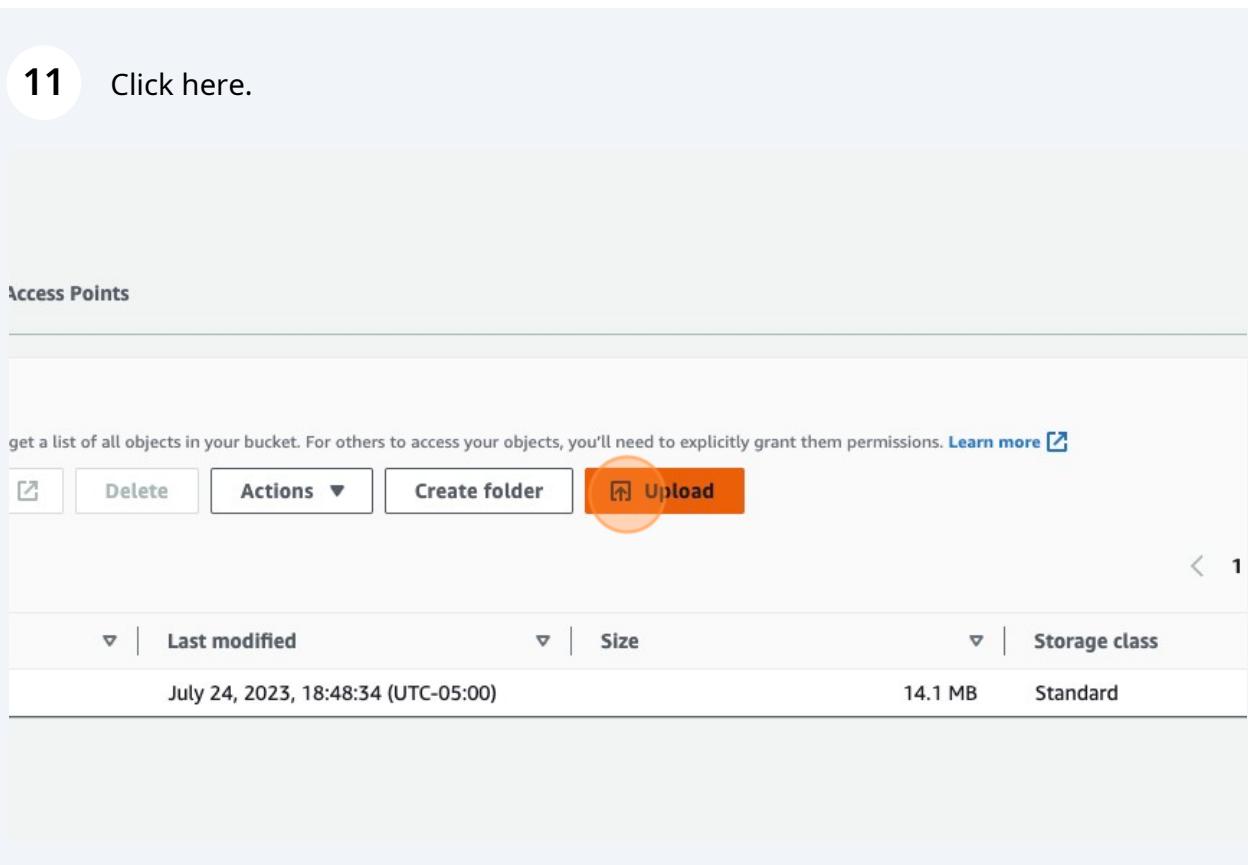
The screenshot shows the 'Buckets' section of the AWS S3 console. It lists 15 buckets, each with a checkbox, the bucket name, and its location. One bucket, 'quicksight-demo1235', is highlighted with a red circle. The table has three columns: the checkbox, the bucket name, and the location. The location column for all buckets is 'US East (Ohio) us-east-2' except for 'quicksight-demo1235' which is 'US East (N. Virginia) us-east-1'. The bucket names are: cloudformation-demo-set, codepipeline-us-east-1-320202070556, codepipeline-us-east-2-851739962552, config-bucket-350151049716, elasticbeanstalk-us-east-1-350151049716, my-s3dev-bucket-demo, mybucket-intri-func-auto-infra-us-east-1, quicksight-demo1235, resource-auto-infra, resourcing-auto, s3-aws-automating-infra, s3logs-cloudtrails, and s3trail-cloud.

	quicksight-demo1235	US East (Ohio) us-east-2
<input type="checkbox"/>	cloudformation-demo-set	US East (N. Virginia) us-east-1
<input type="checkbox"/>	codepipeline-us-east-1-320202070556	US East (N. Virginia) us-east-1
<input type="checkbox"/>	codepipeline-us-east-2-851739962552	US East (Ohio) us-east-2
<input type="checkbox"/>	config-bucket-350151049716	US East (N. Virginia) us-east-1
<input type="checkbox"/>	elasticbeanstalk-us-east-1-350151049716	US East (N. Virginia) us-east-1
<input type="checkbox"/>	my-s3dev-bucket-demo	US East (N. Virginia) us-east-1
<input type="checkbox"/>	mybucket-intri-func-auto-infra-us-east-1	US East (N. Virginia) us-east-1
<input type="checkbox"/>	quicksight-demo1235	US East (N. Virginia) us-east-1
<input type="checkbox"/>	resource-auto-infra	US East (N. Virginia) us-east-1
<input type="checkbox"/>	resourcing-auto	US East (N. Virginia) us-east-1
<input type="checkbox"/>	s3-aws-automating-infra	US East (N. Virginia) us-east-1
<input type="checkbox"/>	s3logs-cloudtrails	US East (Ohio) us-east-2
<input type="checkbox"/>	s3trail-cloud	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.

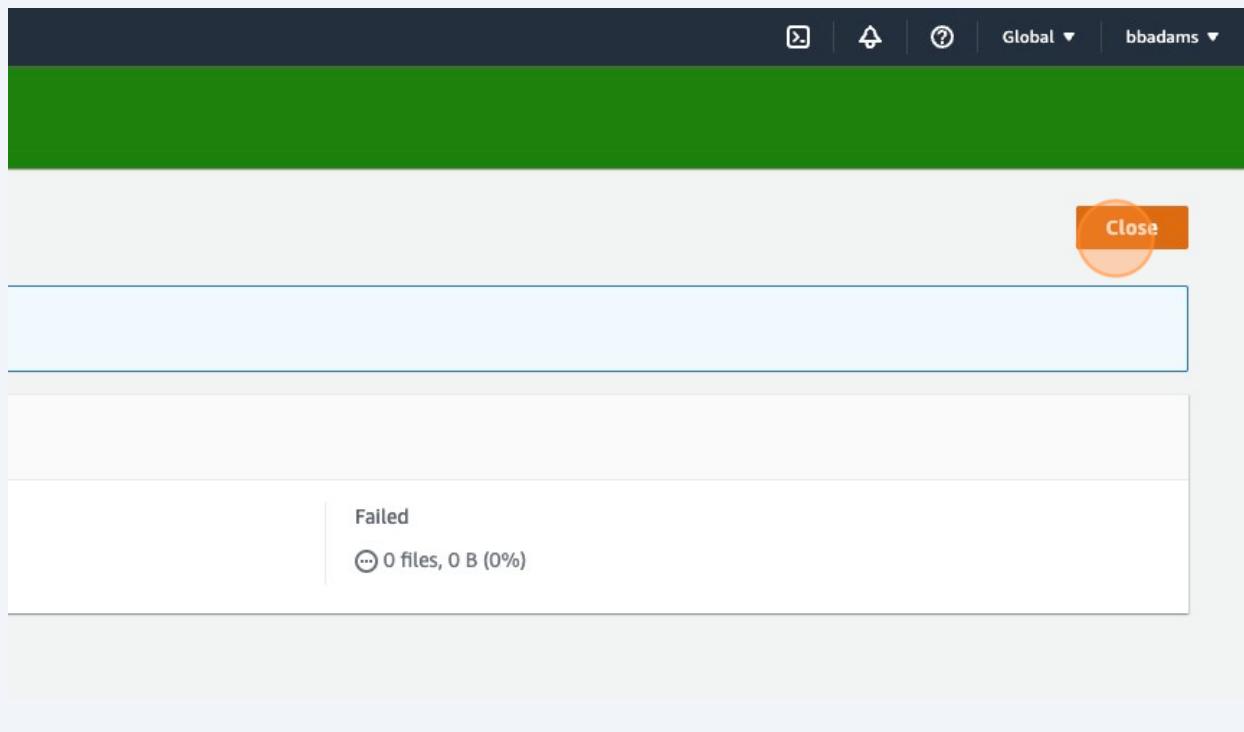
unts.

nd more.

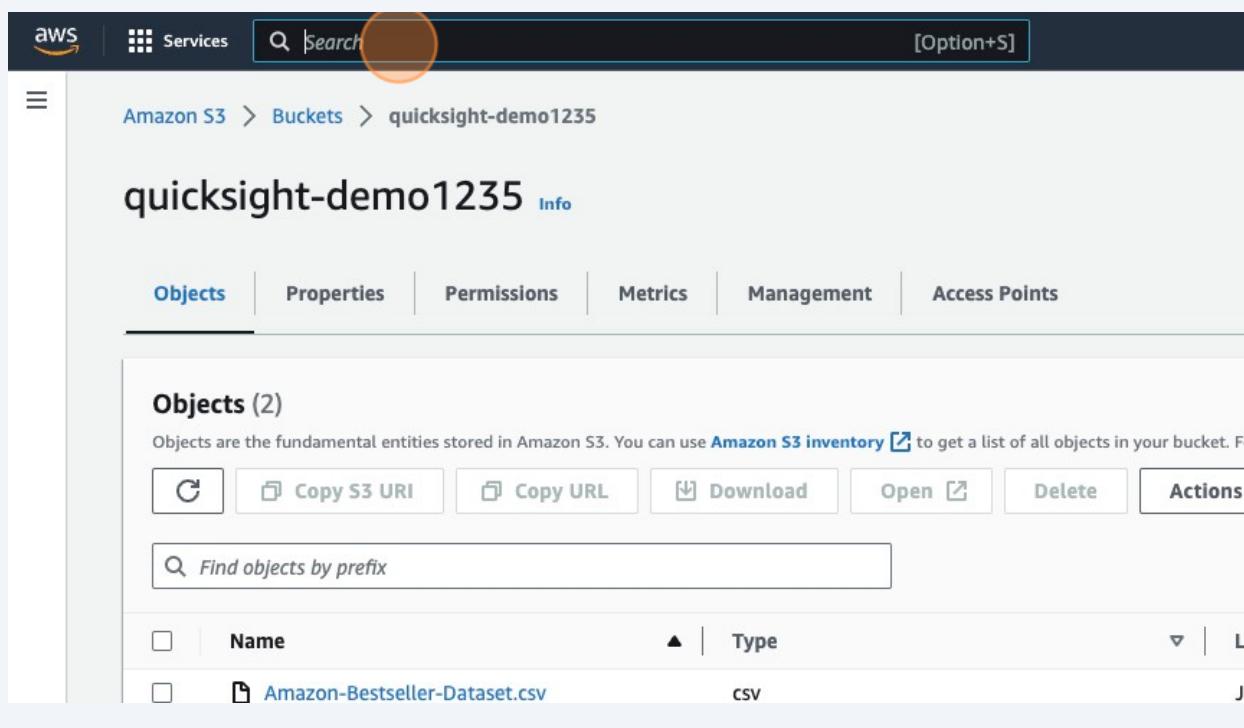
Cancel

Upload

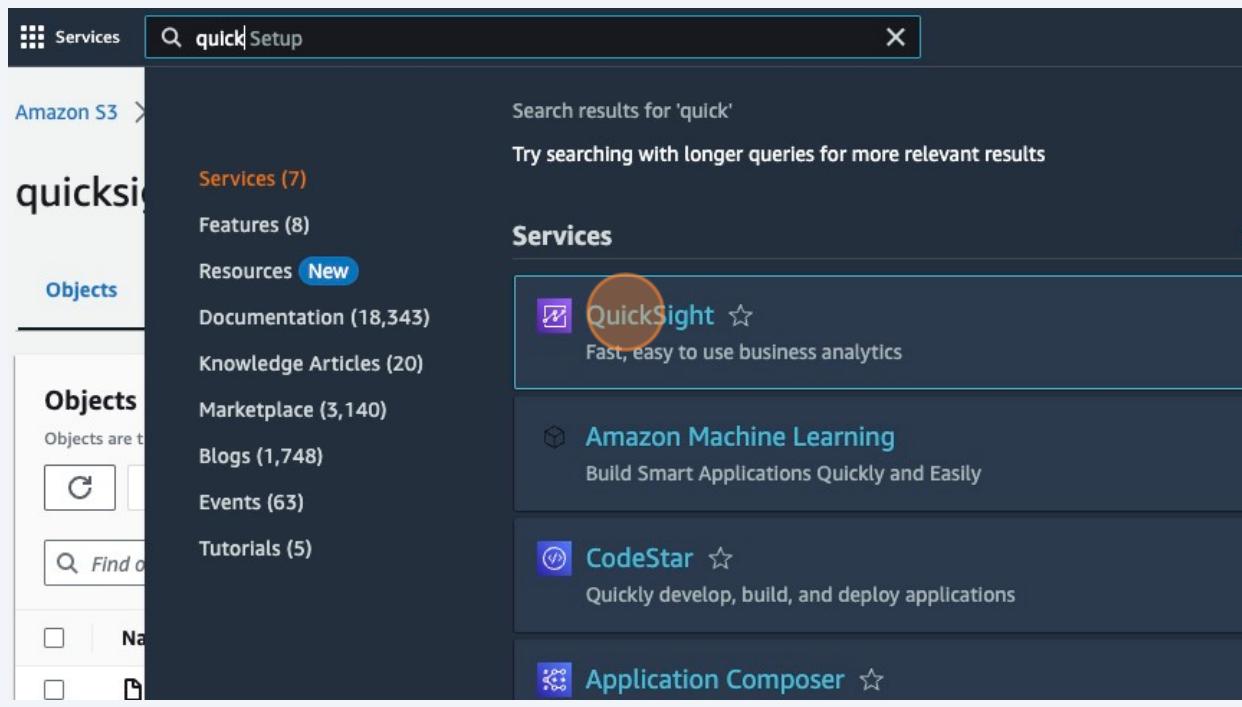
- 14 See the files uploaded successfully and click "Close."



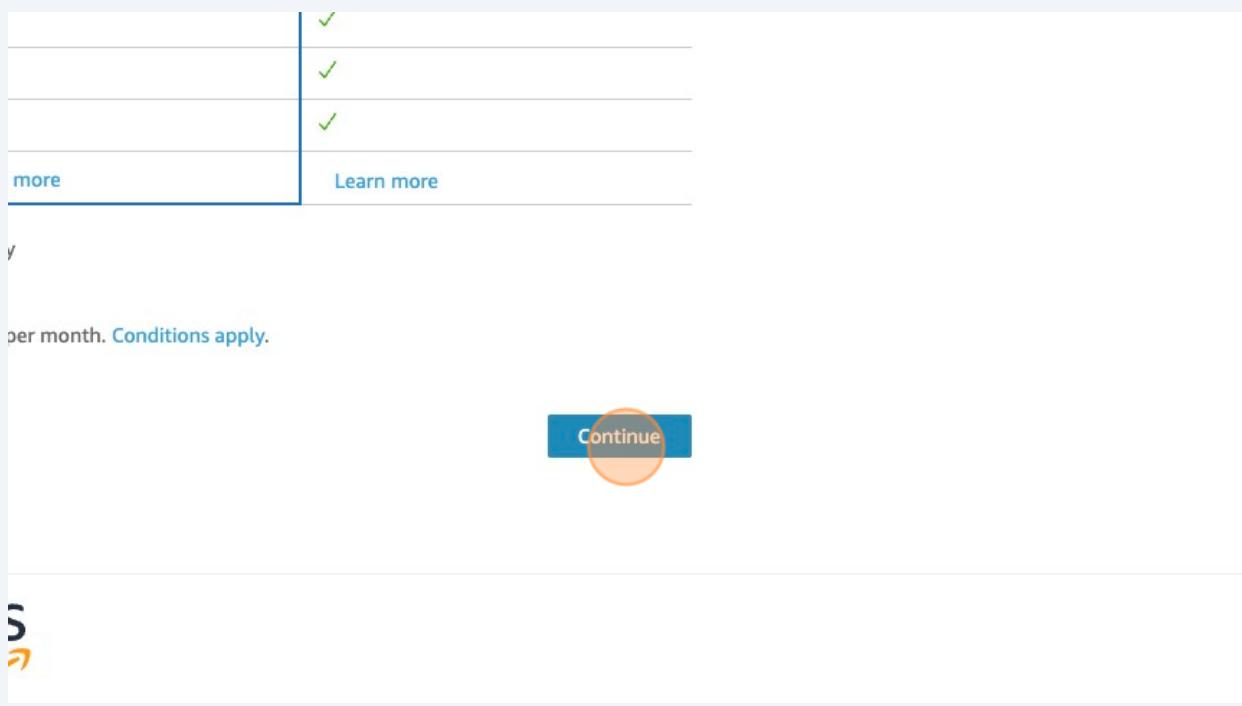
- 15 Click the "Search" field.



**16** Type in "QuickSight" and click on it.



**17** Click "Continue"



## 18 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.

[No, Maybe Later](#) [Yes](#)

i Monthly charges begin immediately

## 19 Click the "QuickSight account name" field and name the QuickSight.

### QuickSight region

Select a region i

US East (N. Virginia) v

### Account info

#### QuickSight account name

You will need this for you and others to sign in i

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](#)

- 20** 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 [i](#)  
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)  
 Use an existing role

- 21** Click "Select S3 buckets"

Use QuickSight-managed role (default)  
 Use an existing role

**Allow access and autodiscovery for these resources**

Amazon Redshift

Amazon RDS

IAM

Amazon S3  
[Select S3 buckets](#)

Amazon Athena  
Make sure you've chosen the right Amazon S3 buckets for QuickSight access

Amazon S3 Storage Analytics

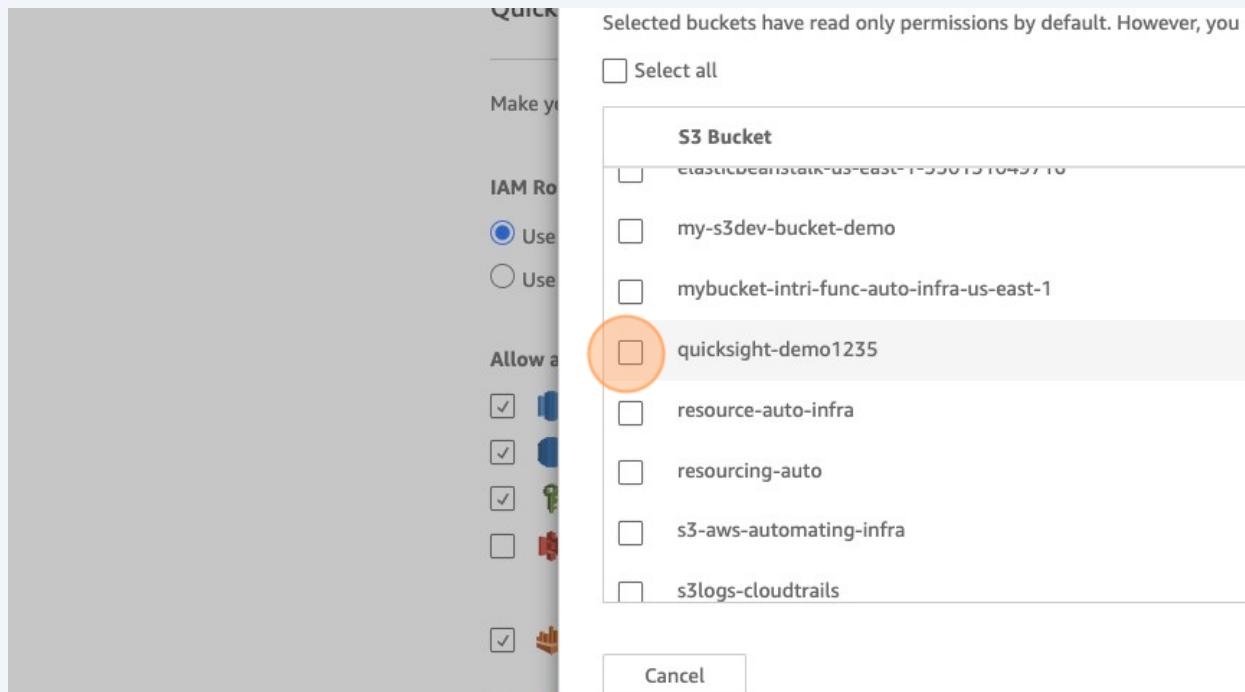
AWS IoT Analytics

Amazon OpenSearch Service

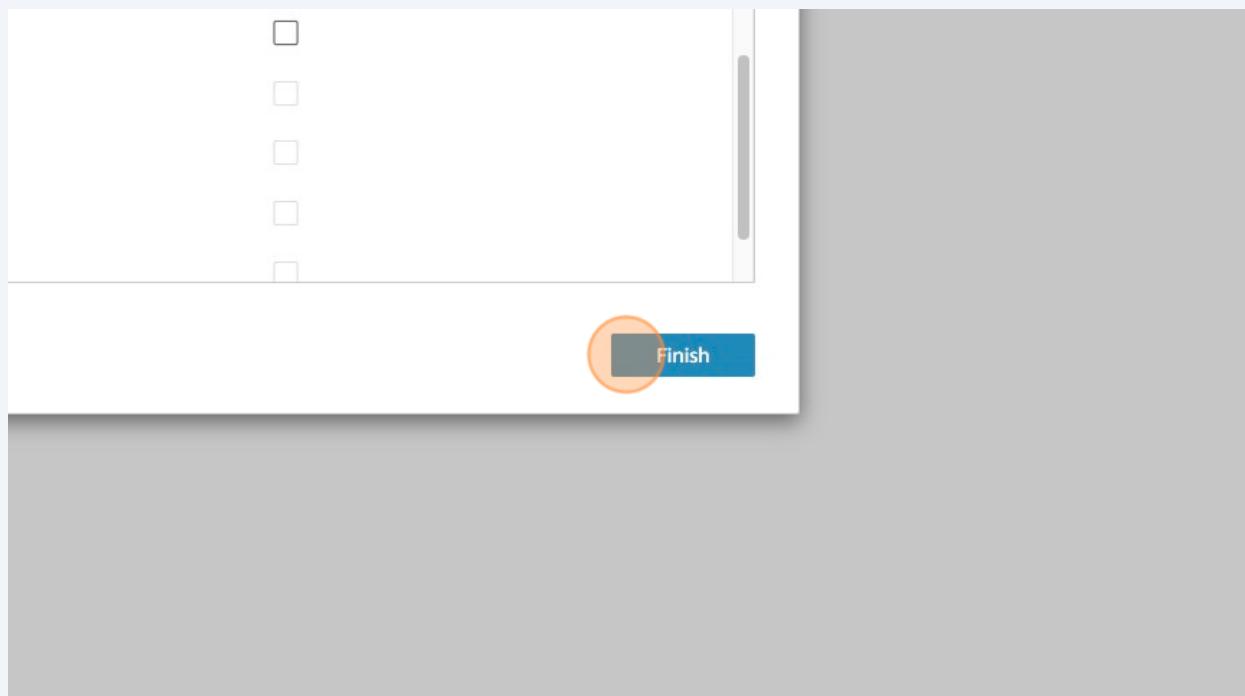
Amazon SageMaker

Amazon Timestream

**22** Click this checkbox for the S3 bucket you just created.



**23** Click "Finish"



**24** Click "Finish" again.



**25** Click "Go to Amazon QuickSight"

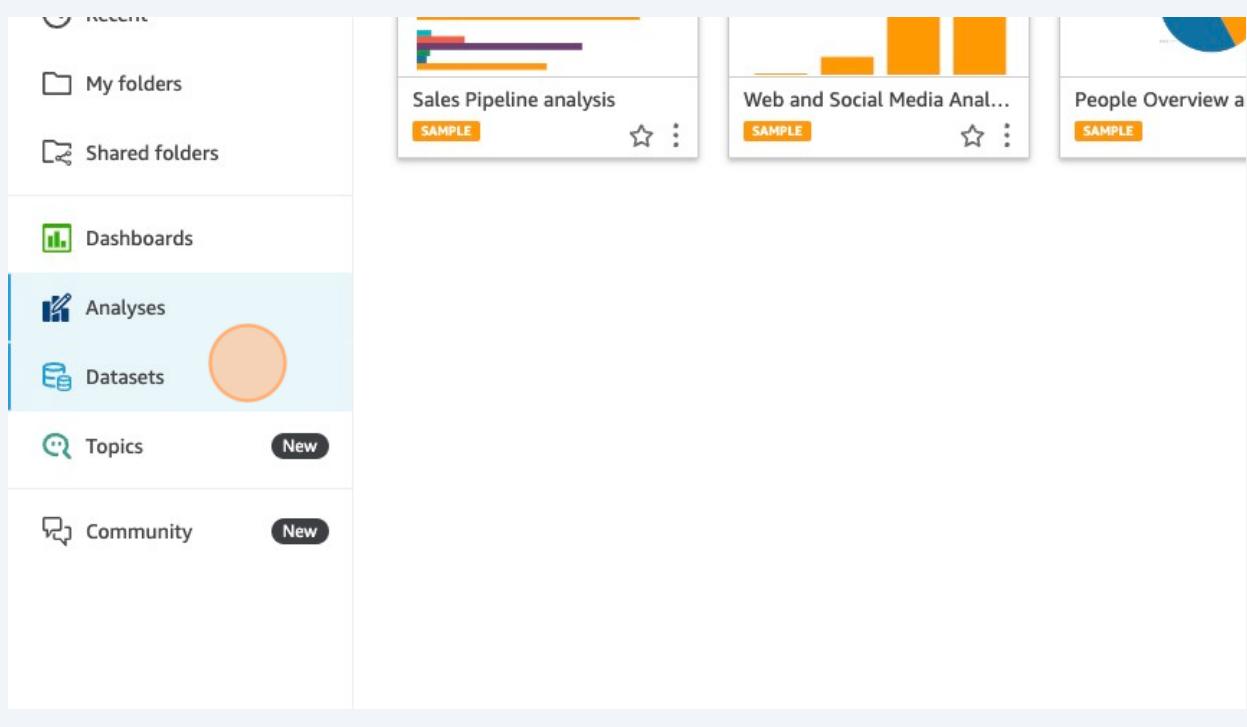
Congratulations! You are signed up for Amazon QuickSight!

Access QuickSight with the following information  
Account name: techwithclouds

[Go to Amazon QuickSight](#)



**26** Click "Datasets"

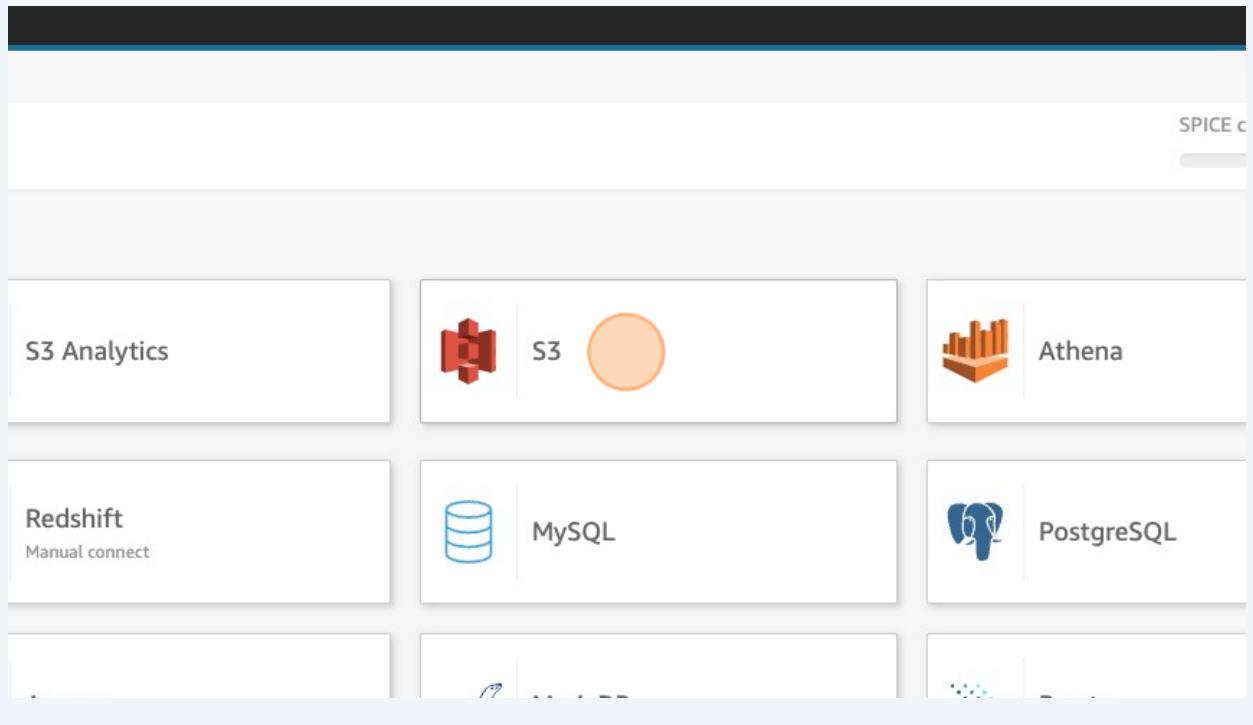


**27** Click "New dataset"

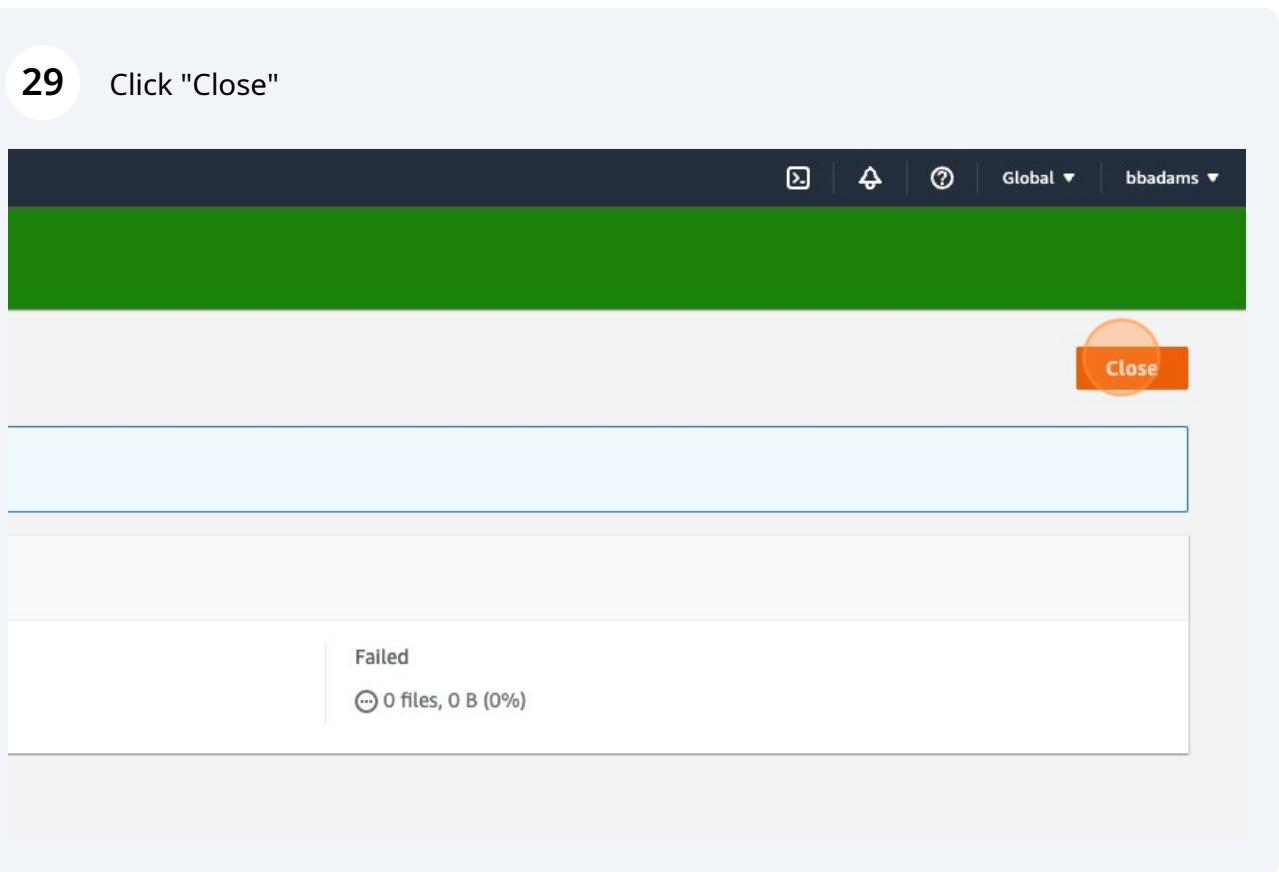
The screenshot shows a list of datasets. At the top right, there is a blue button labeled "New dataset" with an orange circle highlighting it. The table has the following columns:

Owner	Last Modified	More
SPICE	Me	a few seconds ago
SPICE	Me	a few seconds ago
SPICE	Me	a few seconds ago
SPICE	Me	a few seconds ago

**28** Click "S3"



**29** Click "Close"



**30** Click "manifest.json"

The screenshot shows the Amazon S3 'Objects' list interface. At the top, there are buttons for 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', and 'Actions'. Below is a search bar with placeholder text 'Find objects by prefix'. The main table lists two objects:

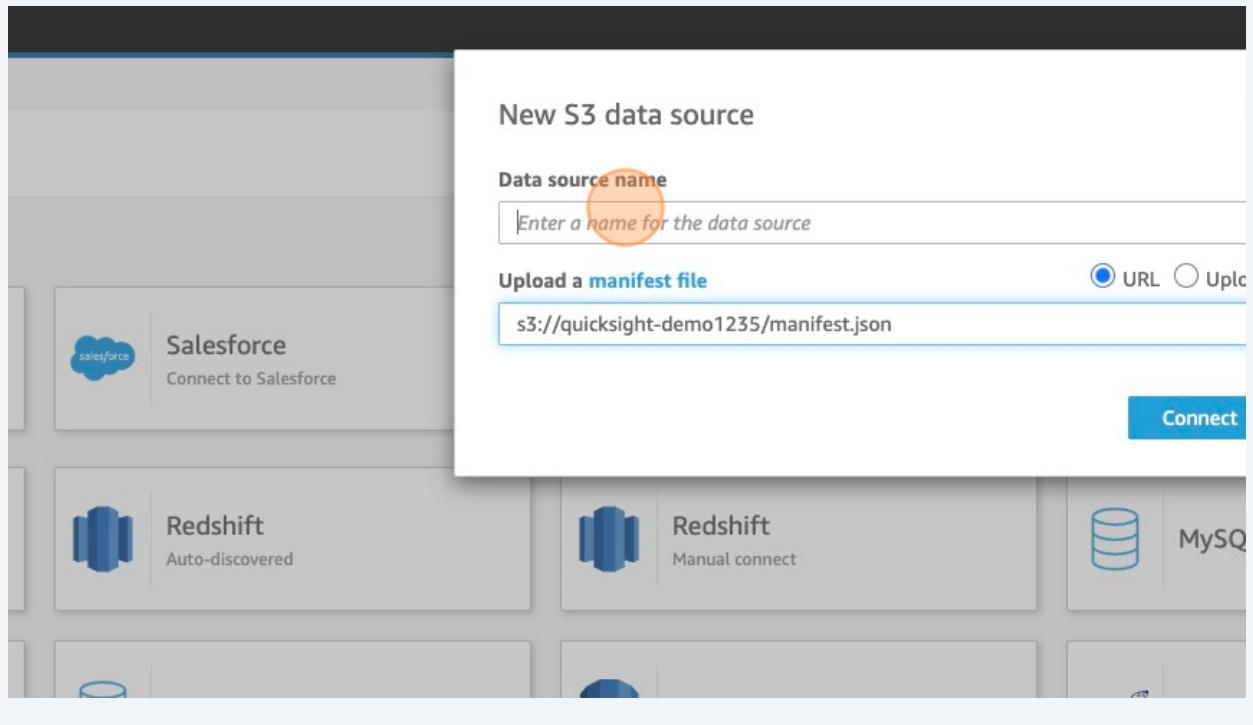
<input type="checkbox"/>	Name	Type
<input type="checkbox"/>	Amazon-Bestseller-Dataset.csv	csv
<input type="checkbox"/>	manifest.json	json

The 'manifest.json' row is highlighted with an orange circle around the file name.

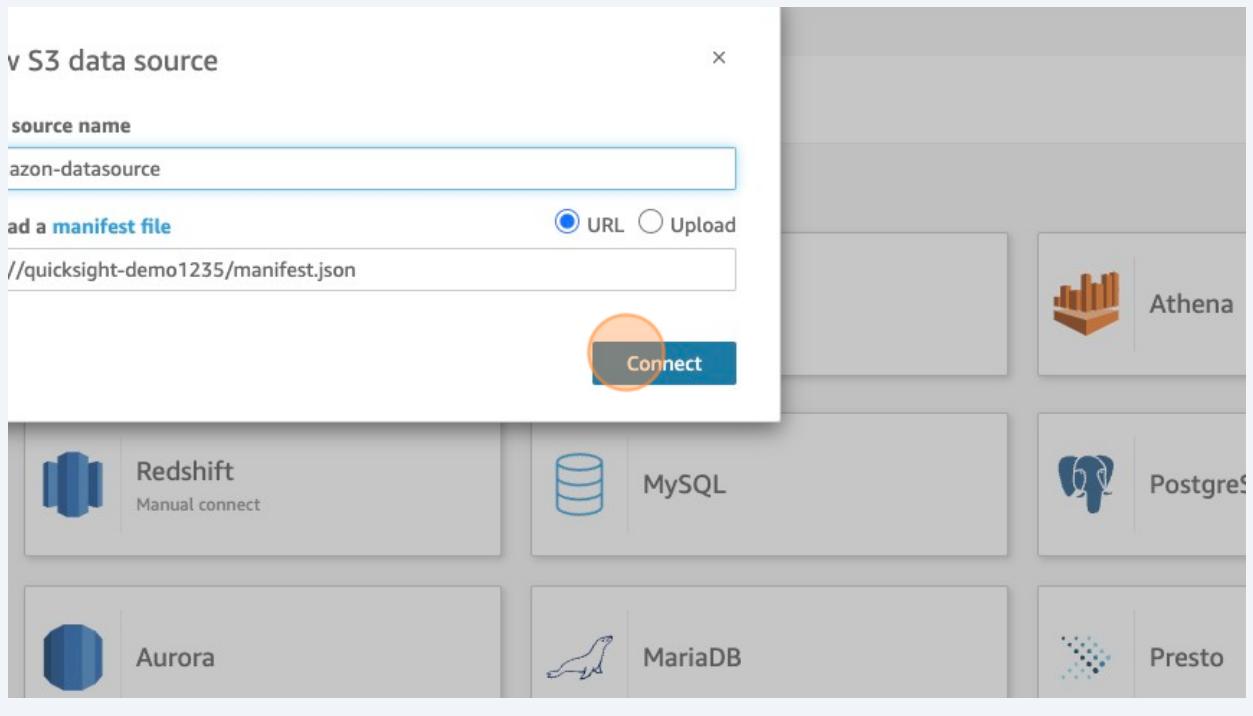
**31** Click "Copy S3 URI"

The screenshot shows the 'Copy S3 URI' dialog box. At the top, there are buttons for 'Copy S3 URI', 'Download', 'Open', and 'Object actions'. Below is a section labeled 'S3 URI' containing a copy link: 's3://quicksight-demo1235/manifest.json'. There are also sections for 'Amazon Resource Name (ARN)' and 'Entity tag (Eta)'. The 'Copy S3 URI' button is highlighted with an orange circle.

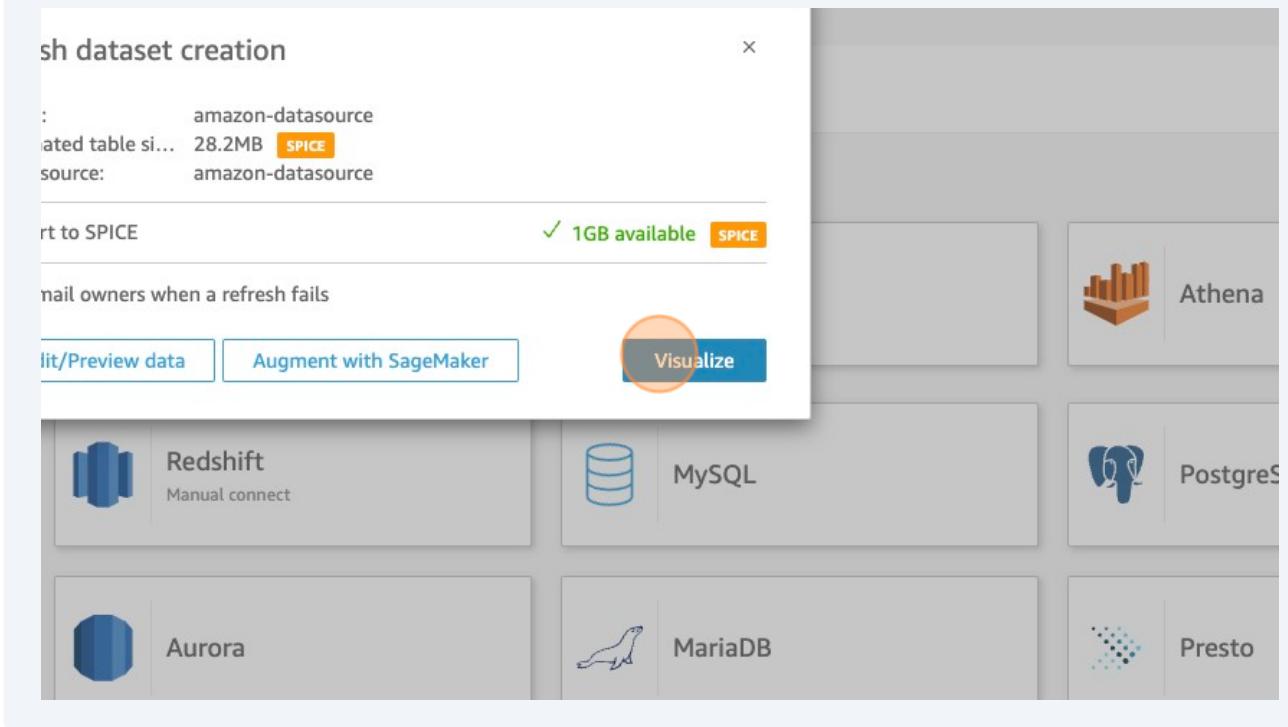
- 32** Click the "Enter a name for the data source" field and paste S3 url link copied.



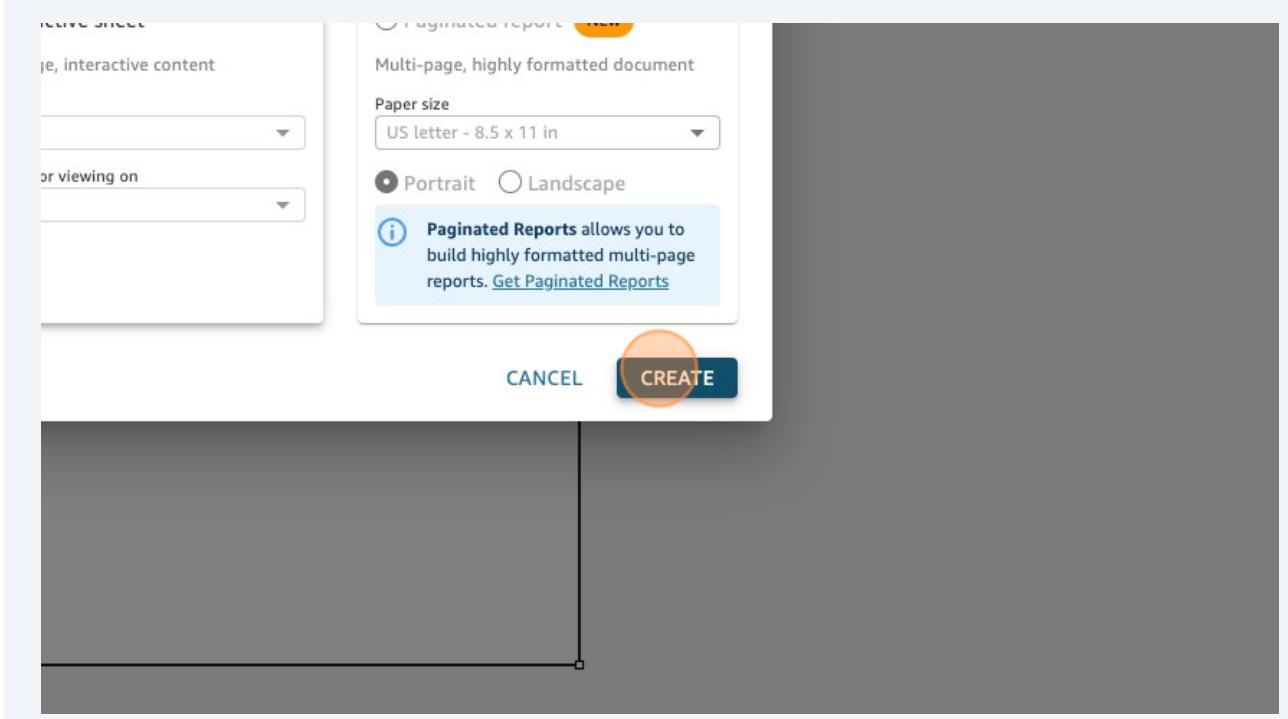
- 33** Click "Connect"



**34** Click "Visualize"



**35** Click "CREATE"



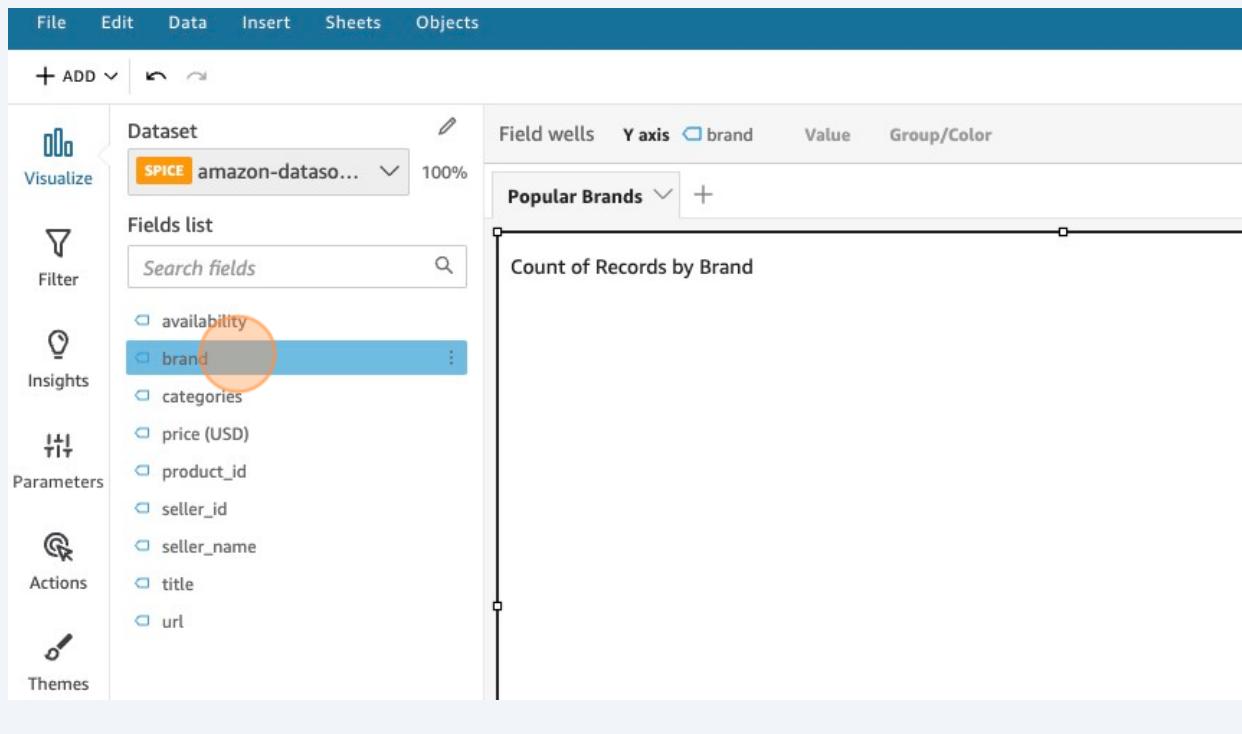
**36** Click "Sheet 1" and rename accordingly.

The screenshot shows the QuickSight interface. On the left, there is a sidebar with icons for Visualize, Filter, Insights, Parameters, Actions, and Themes. The 'Visualize' icon is highlighted. The main area has a dark header bar with 'File', 'Edit', 'Data', 'Insert', 'Sheets', and 'Objects' tabs. Below the header is a toolbar with '+ ADD' and other icons. The central part of the screen is the 'Field wells' panel. At the top of the panel, 'Dataset' is set to 'SPICE amazon-datasource analysis' and '100%'. A dropdown menu labeled 'Sheet 1' is open, with the first item 'Sheet 1' highlighted and circled in orange. To the right of the dropdown is a '+' button. Below the dropdown, there is a search bar labeled 'Search fields' and a list of fields: availability, brand, categories, price (USD), product\_id, seller\_id, seller\_name, title, and url. The word 'AutoGraph' is visible in the bottom right corner of the panel.

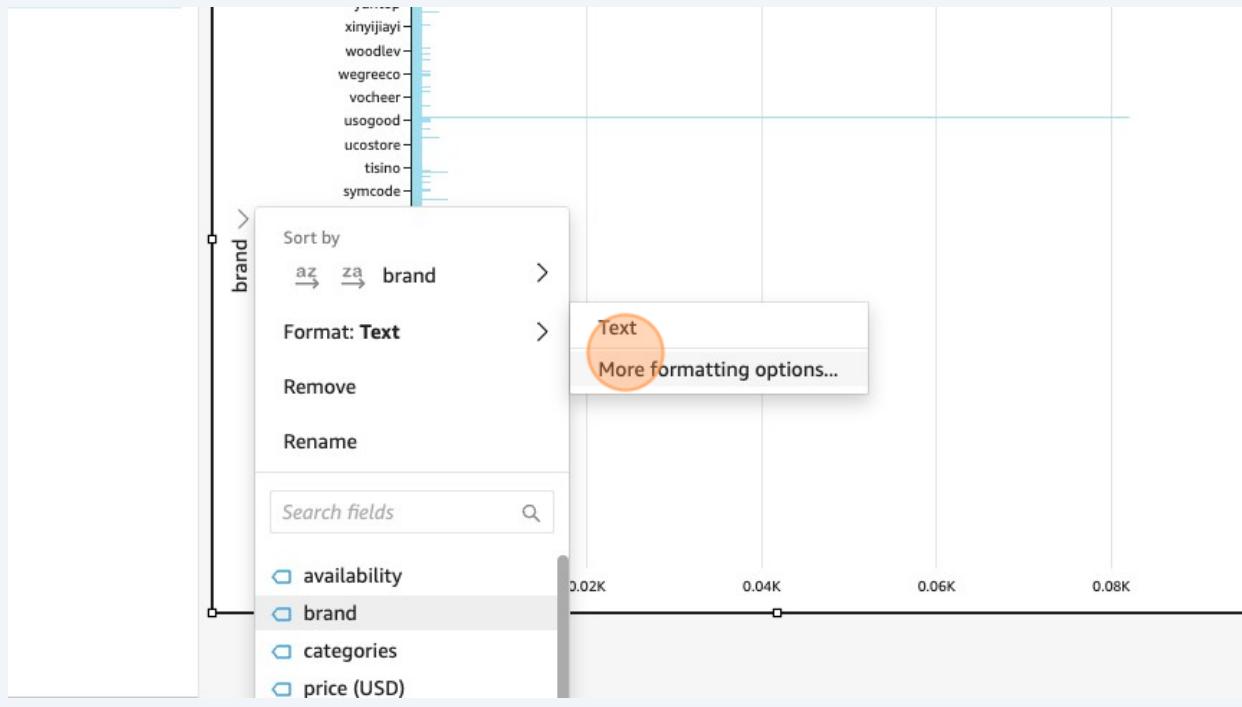
**37** Click "brand"

The screenshot shows the QuickSight interface. The layout is identical to the previous one, with the 'Visualize' icon in the sidebar highlighted. The 'Field wells' panel shows a dropdown menu labeled 'Popular Brands' with the first item 'Popular Brands' highlighted and circled in orange. Below the dropdown, there is a search bar labeled 'Search fields' and a list of fields: availability, brand, categories, price (USD), product\_id, seller\_id, seller\_name, title, and url. The word 'AutoGraph' is visible in the bottom right corner of the panel. A tooltip at the bottom right says 'Choose 1 or more fields and let QuickSight choose the mos'.

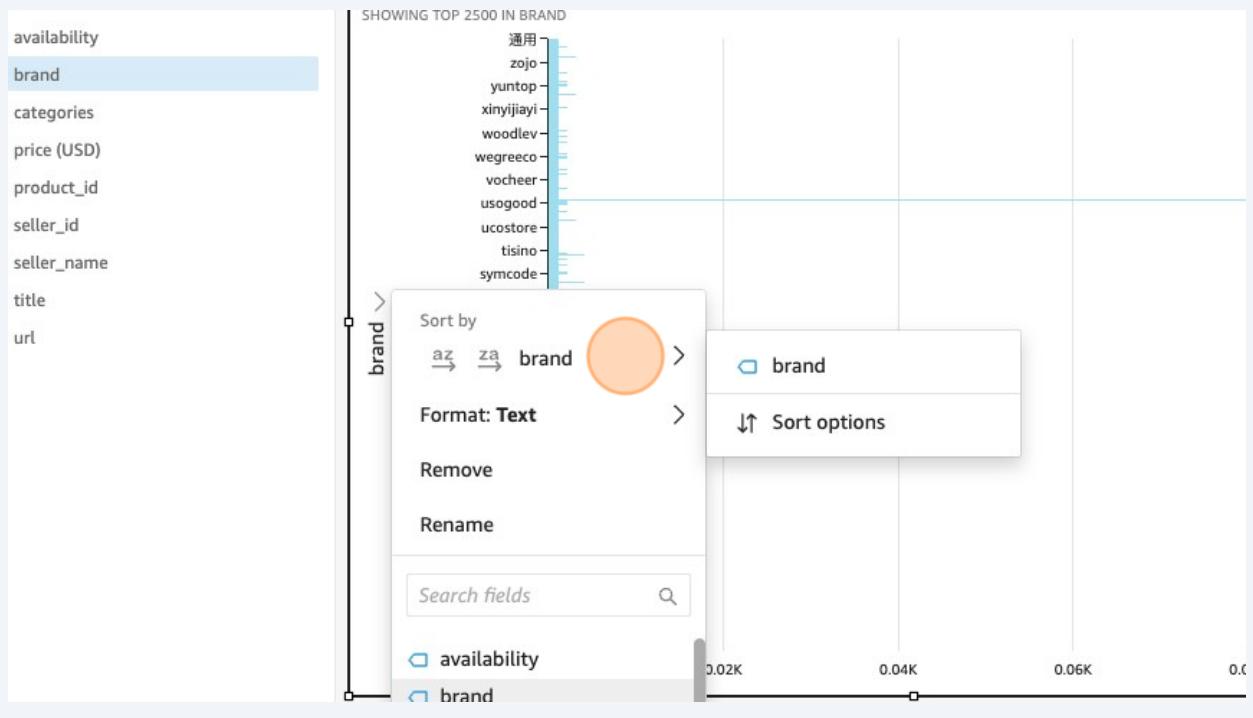
### 38 Click "brand"



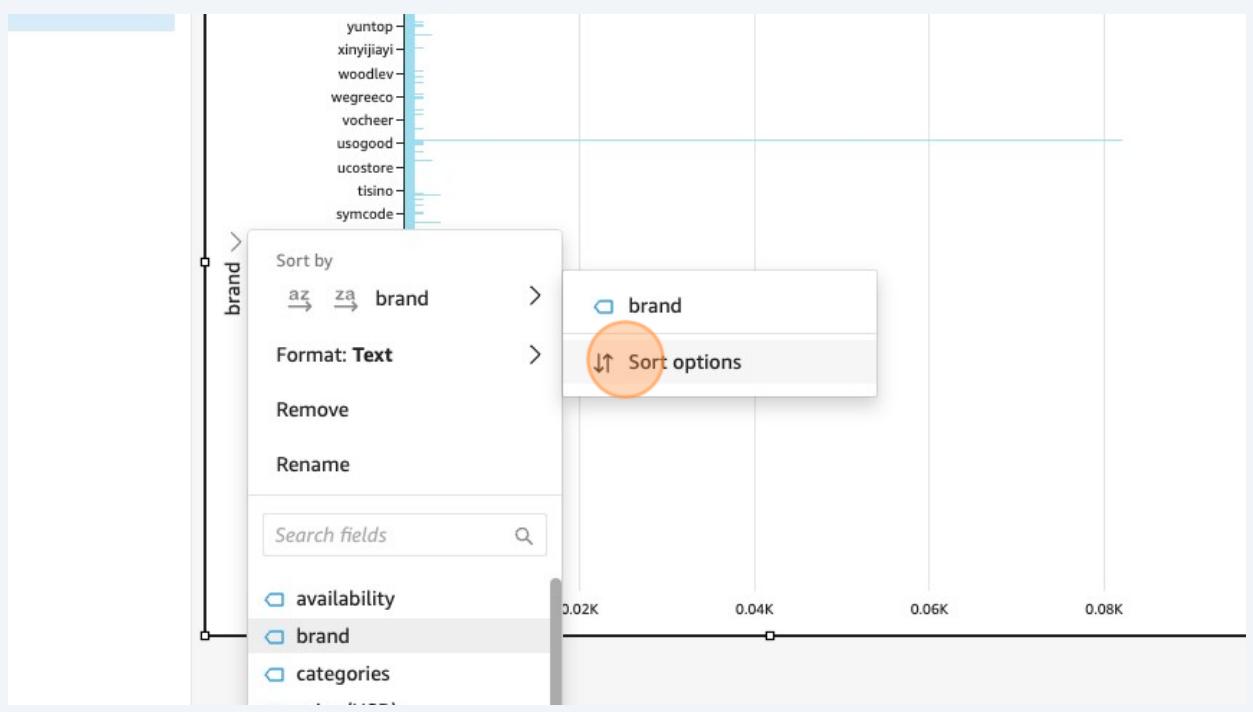
### 39 Click "More formatting options..."



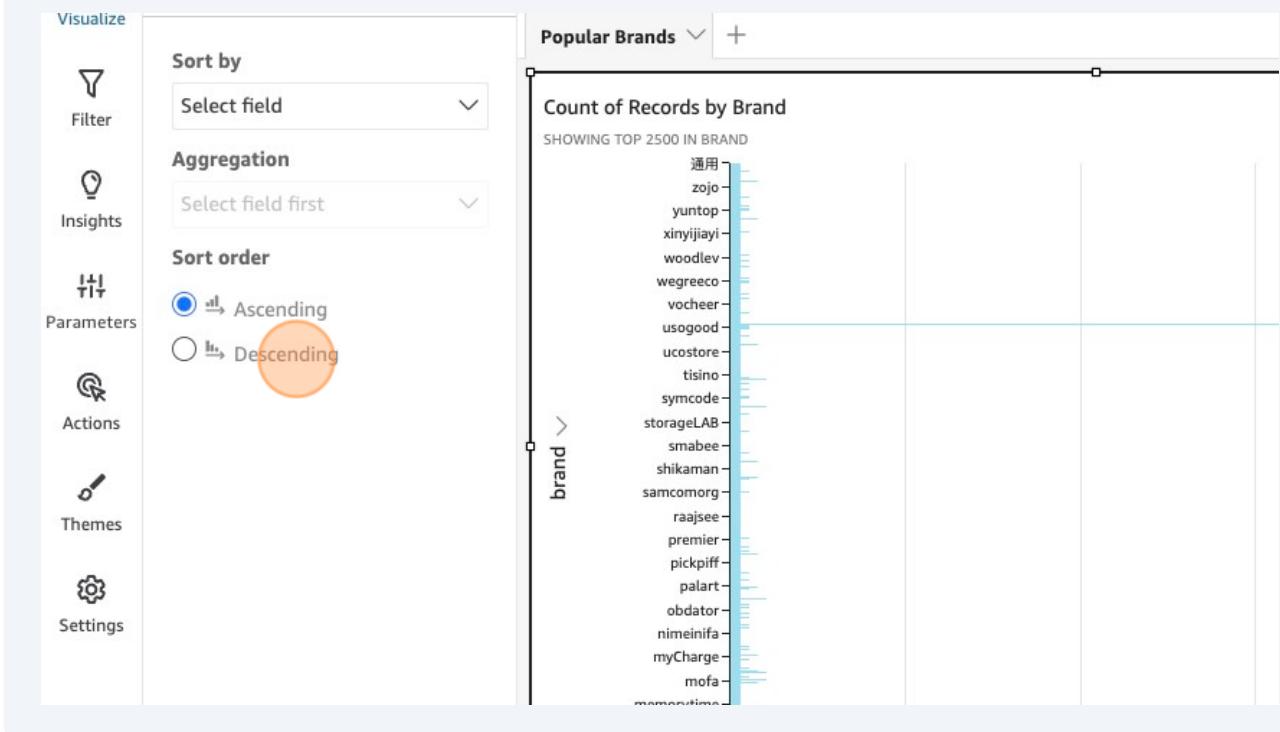
## 40 Click "brand"



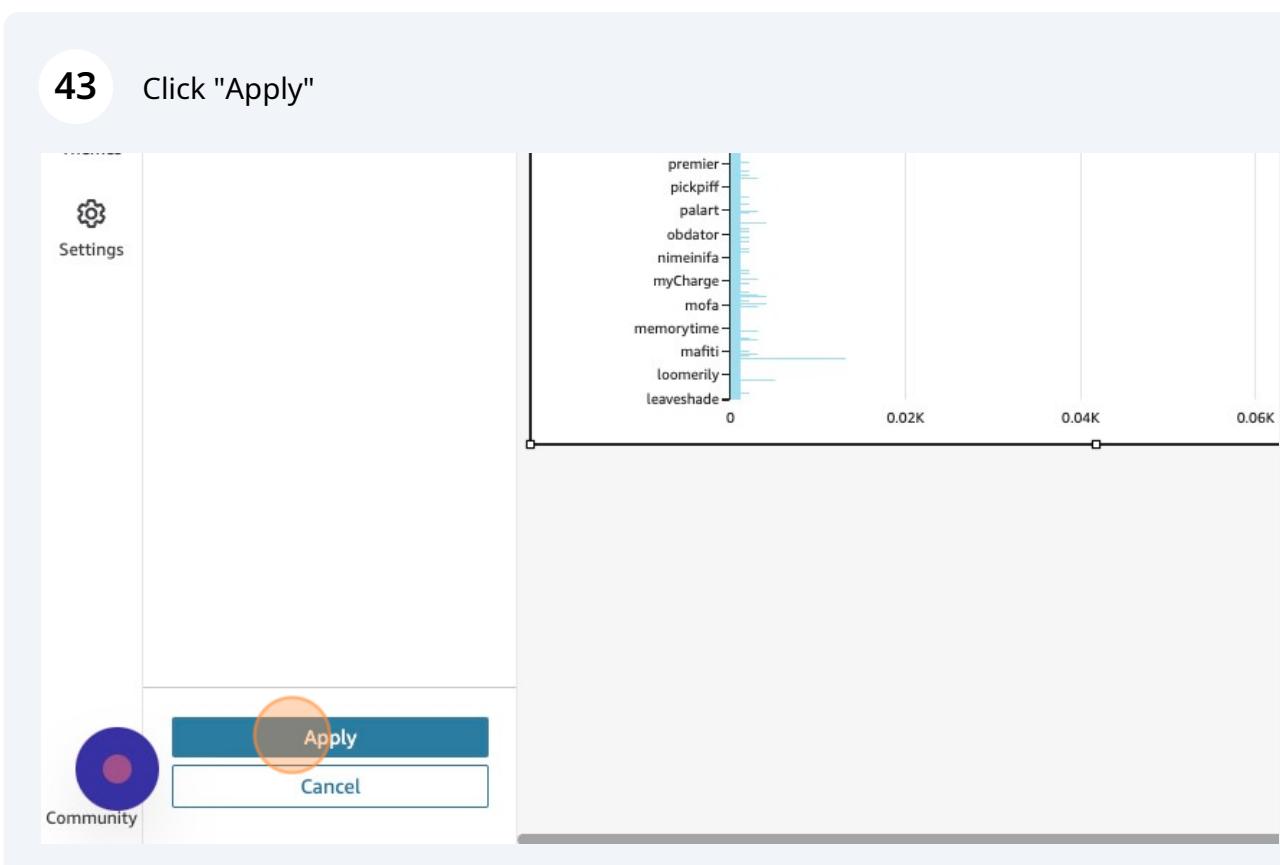
## 41 Click Sort options.



## 42 Click "Descending"



## 43 Click "Apply"



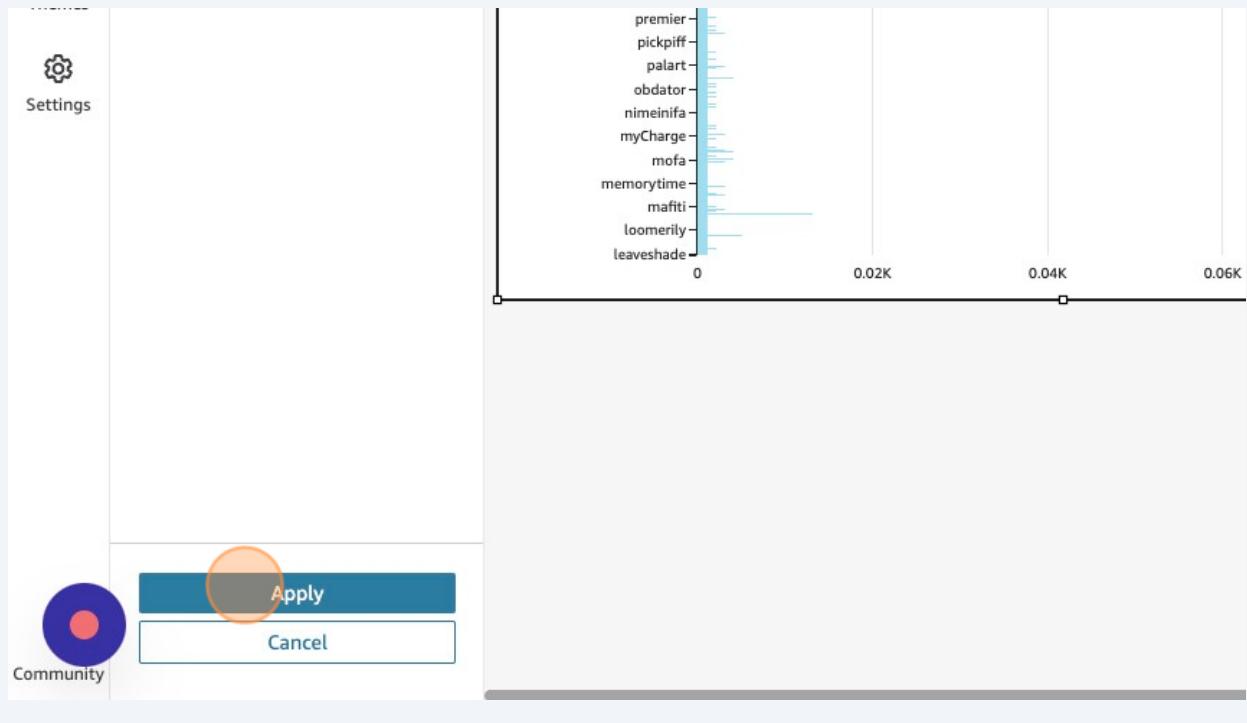
#### 44 Click "Select field"

The screenshot shows the QuickSight interface with a 'Sort options' dialog open. The 'Select field' dropdown is highlighted with an orange circle. The dialog also includes sections for 'Aggregation' (set to 'Select field first') and 'Sort order' (set to 'Descending'). To the right, a chart titled 'Count of Records by Brand' displays the top 2500 brands. The chart has a Y-axis labeled 'brand' and an X-axis labeled 'Value'. The brands listed are: 通用, zojo, yuntop, xinyijiaji, woodlev, wegreeco, vocheer, usogood, ucostore, tisino, symcode, storageLAB, smabee, shikaman, and raajsee.

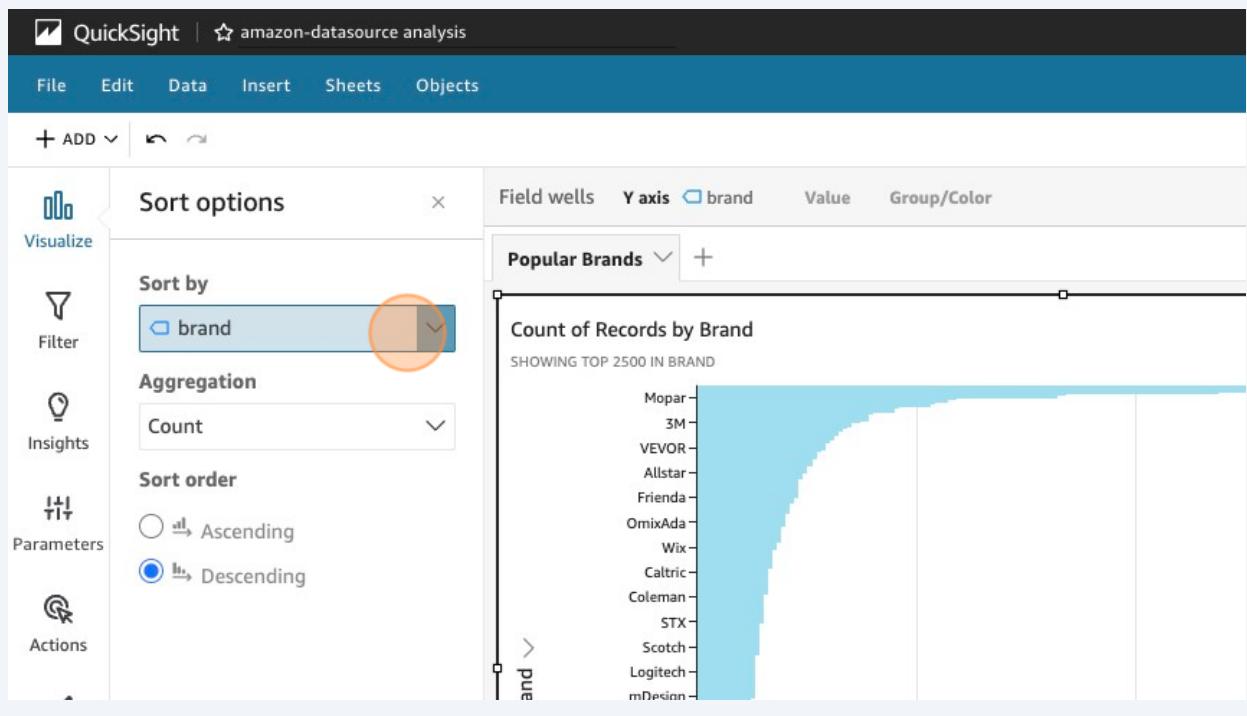
#### 45 Click "brand"

The screenshot shows the QuickSight interface with the 'Select field' dropdown expanded. The 'brand' option is selected and highlighted with an orange circle. Other available fields include availability, categories, price (USD), product\_id, seller\_id, seller\_name, title, and url. To the right, the same 'Count of Records by Brand' chart is displayed, showing the top 2500 brands.

**46** Click "Apply"



**47** Click here.



**48** Click "Close"

