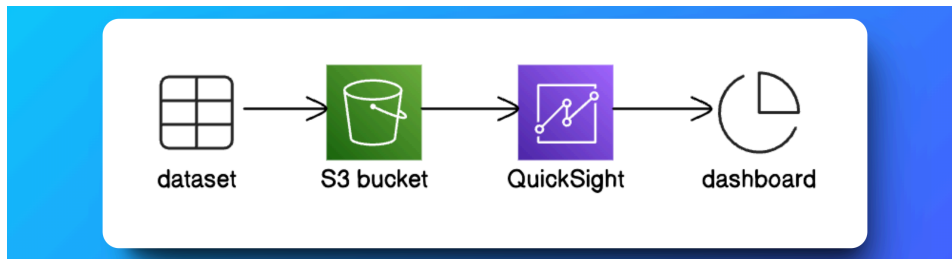


# Visualizing Netflix data and trends with QuickSight



Amazon **QuickSight** is a cloud-based business intelligence service from Amazon Web Services that allows you to create interactive dashboards and visualizations.

**Create an S3 Bucket :** Create an S3 bucket in your AWS account to store your Netflix data. Make sure to configure appropriate permissions for QuickSight to access the bucket.

**Upload Data to S3 :** Upload your Netflix data files (CSV, JSON, etc.) to the S3 bucket.

General purpose buckets | Directory buckets

**General purpose buckets (1)** [Info](#) [All AWS Regions](#)

Buckets are containers for data stored in S3.

[Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	<a href="#">netflix-bucket-sowmya</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	September 3, 2024, 19:04:34 (UTC-04:00)

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**netflix-bucket-sowmya** [Info](#)

[Objects](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

**Objects (2)** [Info](#) [Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">manifest.json</a>	json	September 3, 2024, 19:05:08 (UTC-04:00)	320.0 B	Standard
<input type="checkbox"/>	<a href="#">netflix_titles.csv</a>	csv	September 3, 2024, 19:05:09 (UTC-04:00)	3.2 MB	Standard

Open your `manifest.json` file in your laptop's text editor - for example, `TextEdit` (Mac) or `Notepad` (Windows). Replace the URL in the `manifest.json` file with the S3 URL of your dataset.

## Create your Amazon QuickSight account

Sign up for QuickSight

Contact information

Email for account notifications

sowmyavara7@gmail.com

Authentication method

- ☒ Use IAM federated identities & QuickSight-managed users  
Authenticate with single sign-on (SAML or OpenID Connect), AWS IAM credentials, or QuickSight credentials
- ☐ Use AWS IAM Identity Center  
Authenticate using AWS IAM Identity center  
**i** AWS IAM Identity Center is not enabled for this AWS account. [Go to IAM Identity Center console.](#)
- ☐ Use IAM federated identities only  
Authenticate with single sign-on (SAML or OpenID Connect) or AWS IAM credentials
- ☐ Use Active Directory  
Authenticate with Active Directory credentials

QuickSight region

Select a region

US East (N. Virginia) v

Account info

QuickSight account name

You will need this for you and others to sign in

sowmyaquicksight

IAM Role

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

Allow access and autodiscovery for these resources

- ☒ Amazon Redshift
- ☒ Amazon RDS
- ☒ IAM
- ☒ Amazon S3 (1 buckets selected)  
[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
- ☐ AWS SecretsManager  
[Select secrets](#)

Optional add-on

☐ Add Pixel-Perfect Reports

\$500 /month\* 500 unique report units \*\*/month

Create, schedule, and share operational reports and data exports from a [learn more](#)



## Account created successfully

Account name: sowmyavaraquicksight

GO TO QUICKSIGHT

## Connect S3 bucket to Amazon QuickSight

### Create a QuickSight Dataset :

- In QuickSight, go to "Datasets" and create a new dataset.
- Choose "Amazon S3" as the data source.
- Select the S3 bucket and the specific file or folder containing your Netflix data.
- Configure the dataset schema, specifying the data types for each column.

Go to Datasets then on S3 and then enter Source Name and Manifest.json URL or Upload

Finish dataset creation

×

Table:	Kaggle-data
Estimated table si...	6.5MB <span>SPICE</span>
Data source:	Kaggle-data

Import to SPICE

SPICE

☒ Email owners when a refresh fails

Edit/Preview data

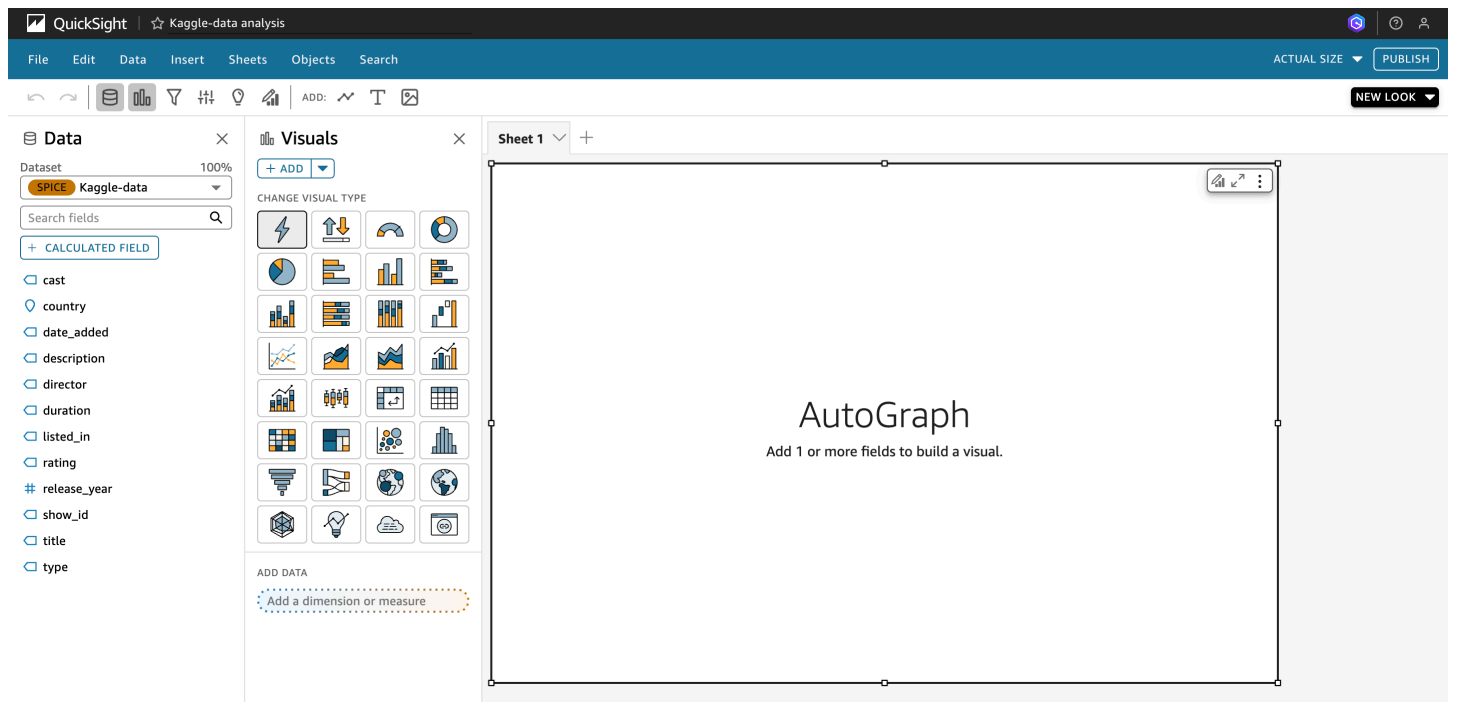
Augment with SageMaker

Visualize

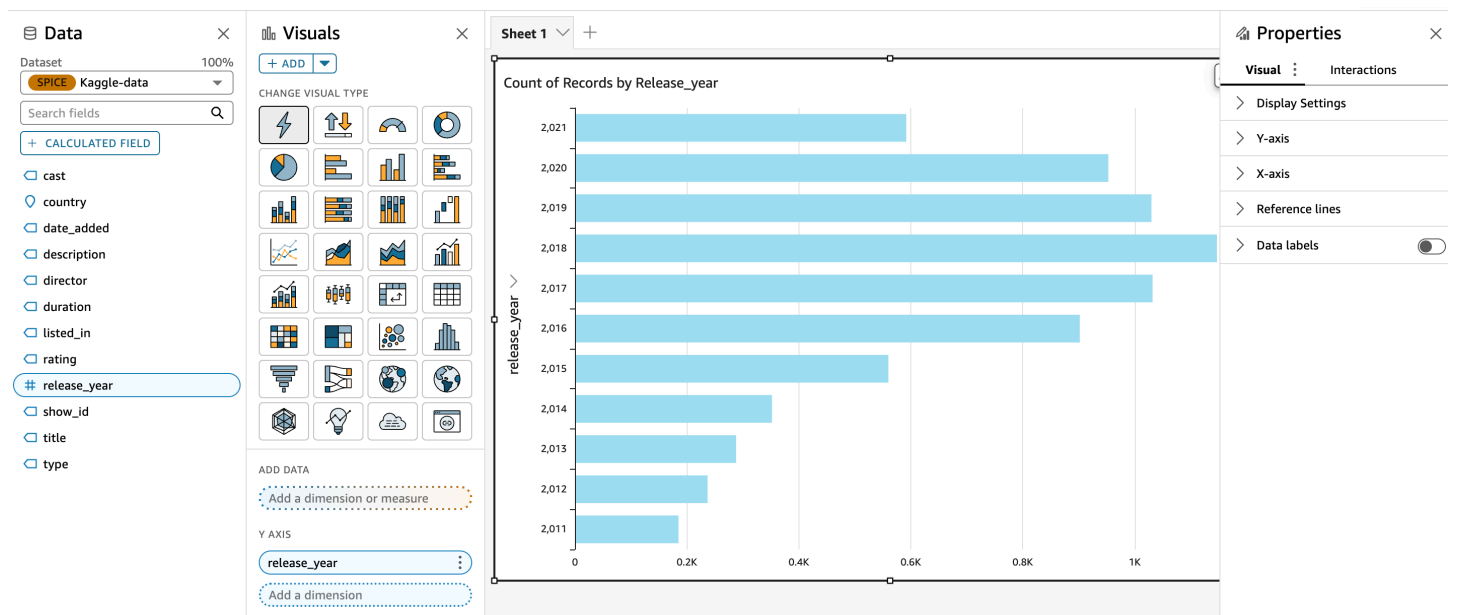
The **manifest.json** file is like a map that tells Amazon QuickSight where your data lives and how to read your data. Just like how people can speak in many different languages, data can come in all different kinds of forms!

**manifest.json** tells QuickSight what your dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs. Without this map, QuickSight might get confused and not show your data correctly! **manifest.json** tells QuickSight what your dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs. Without this map, QuickSight might get confused and not show your data correctly!

- Select Visualize.
- Select Create.
- Select Interactive sheet to start creating visualizations.



With QuickSight, you can sort, filter, and customize your data top create visualizations. You can also experiment with different types of graphs like bar charts, pie charts, line graphs, etc.



Check out the complete results in here

[🌐AWS\\_Mini\\_Projects/Netflix Data & Trends Visualization on Amazon Quicksight/...](#)