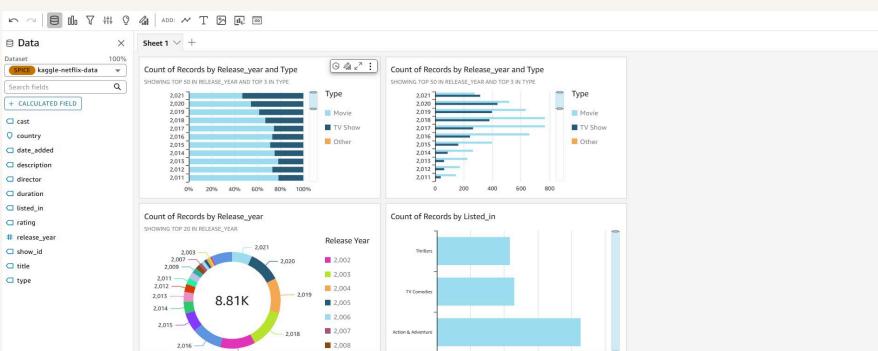




Visualize data with QuickSight



shravani durgi





Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight helps in analyzing the data and creating visualizations easily.

How I used Amazon QuickSight in this project

I have used QuickSight to Visualize Netflix data and Trends.

One thing I didn't expect in this project was...

I have also used Amazon S3 to store and retrieve the data.

This project took me...

The project took around 90- 120 minutes.



Upload project files into S3

S3 is used in this project to store two files, which are netflix_titles.csv, which contains the data we are going to analyze and manifest.json in which we update the S3 URI of my dataset.

'I edited the manifest.json file by... It's important to edit this file because keeping an outdated S3 URI means manifest.json points to the wrong address.

The screenshot shows the AWS S3 console interface. At the top, there is a navigation bar with the AWS logo, a search bar, and various icons. Below the navigation bar, the path 'Amazon S3 > Buckets > nextwork-quicksight-project-shravanidurgi' is displayed. The main content area is titled 'nextwork-quicksight-project-shravanidurgi' with a 'Info' link. Below the title, there are tabs for 'Objects', 'Metadata', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is selected. A sub-header 'Objects (2)' is shown, along with several actions buttons: 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. A search bar labeled 'Find objects by prefix' is present. The object list table has columns for 'Name', 'Type', 'Last modified', 'Size', and 'Storage class'. Two objects are listed:

Name	Type	Last modified	Size	Storage class
manifest.json	json	February 3, 2025, 18:15:35 (UTC-06:00)	312.0 B	Standard
netflix_titles.csv	csv	February 3, 2025, 18:05:02 (UTC-06:00)	3.2 MB	Standard

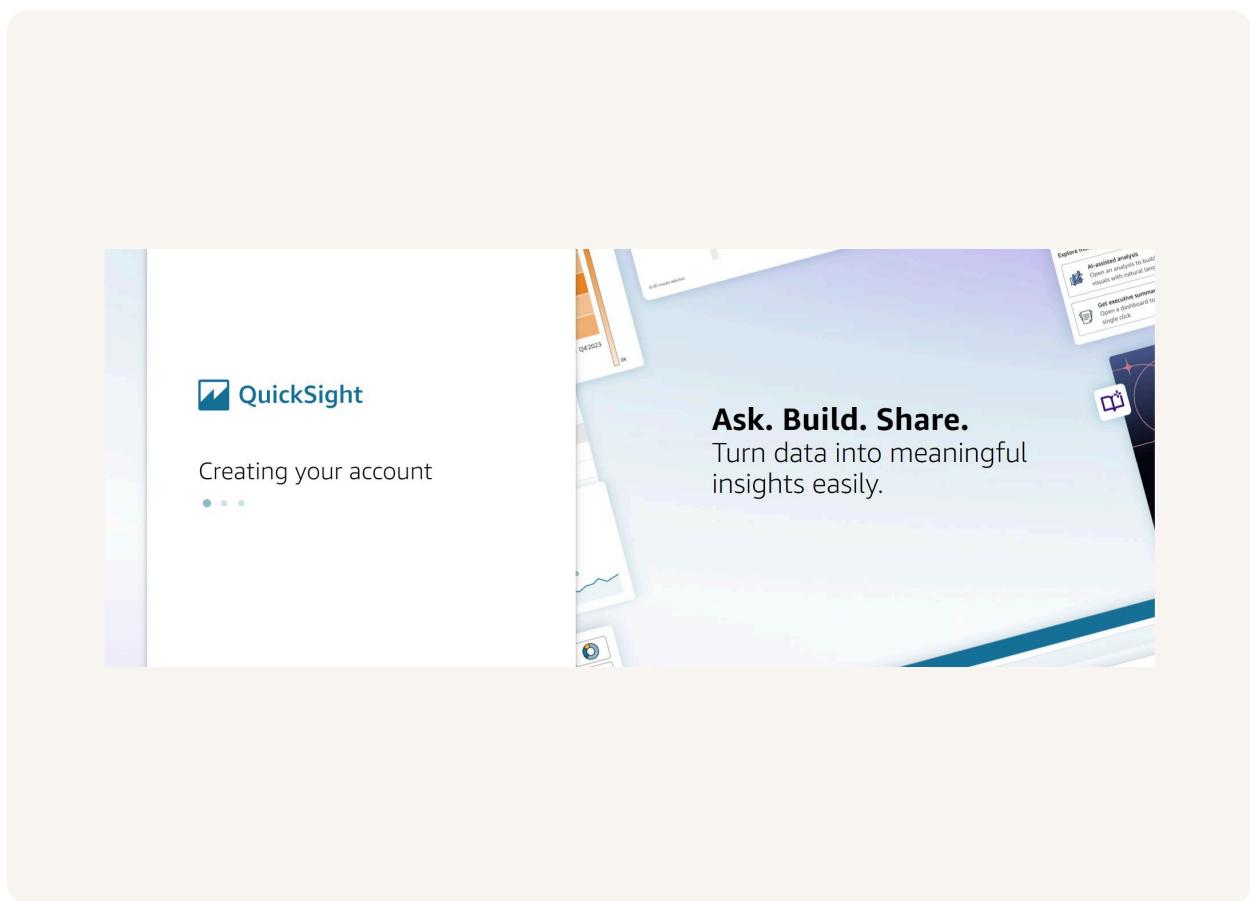
At the bottom of the page, there are links for 'CloudShell', 'Feedback', and copyright information: '© 2025, Amazon Web Services, Inc. or its affiliates.' followed by 'Privacy', 'Terms', and 'Cookie preferences'.



Create QuickSight account

Creating a QuickSight account doesn't cost you. The free trial ends in 30 days.

Creating an account took me around 1-2 minutes to set up and then the account was created.

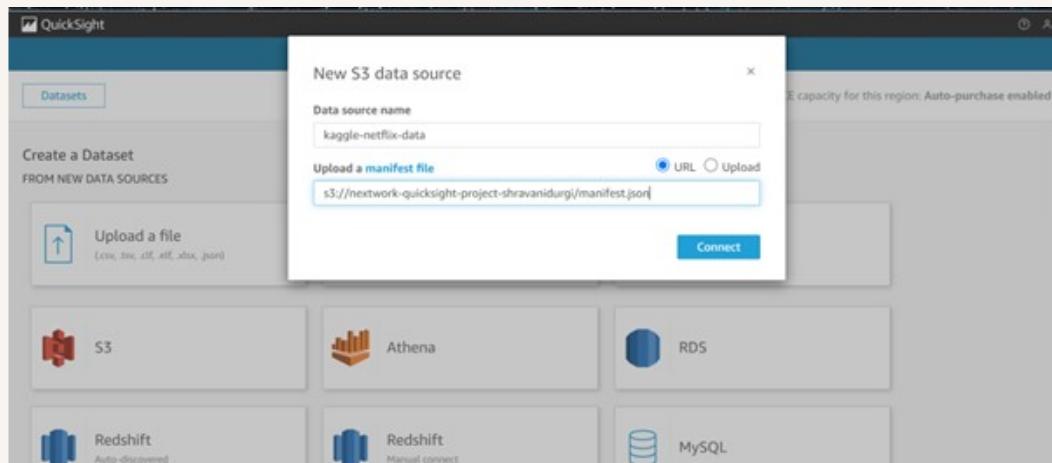




Download the Dataset

I connected the S3 bucket to QuickSight by visiting the DataSets from the QuickSight menu and then click New Dataset. Then select S3 and then enter the source name and copy the s3 URI of the manifest file from S3.

The manifest.json file is like a map that tells QuickSight where your data files are and how they are organized. It also describes what each piece of data looks like, so QuickSight knows how to understand the data and show it in charts or graphs.



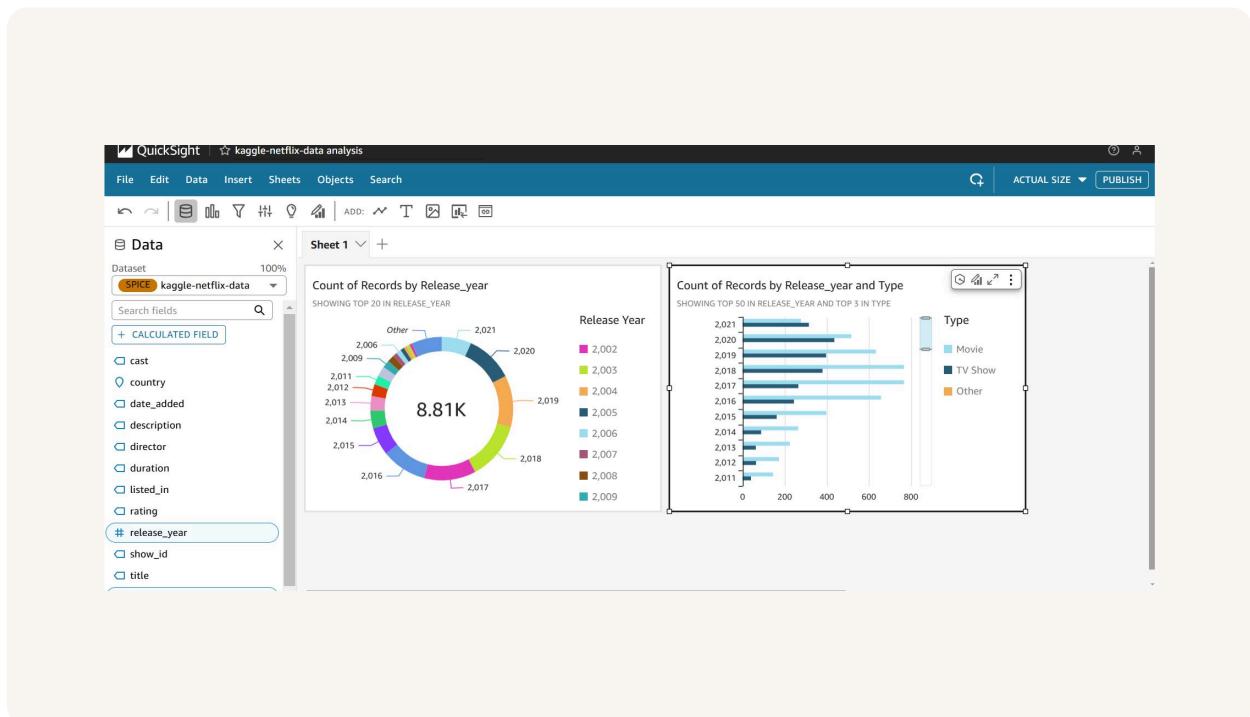


My first visualization

To create visualizations on QuickSight, I first connected S3 with QuickSight and we can see that dataset is already imported. Then I clicked the chart type I want and dragged the data.

I have uploaded both the visualizations. But let me explain the horizontal bar chart. It shows the count of movies released in that particular year.

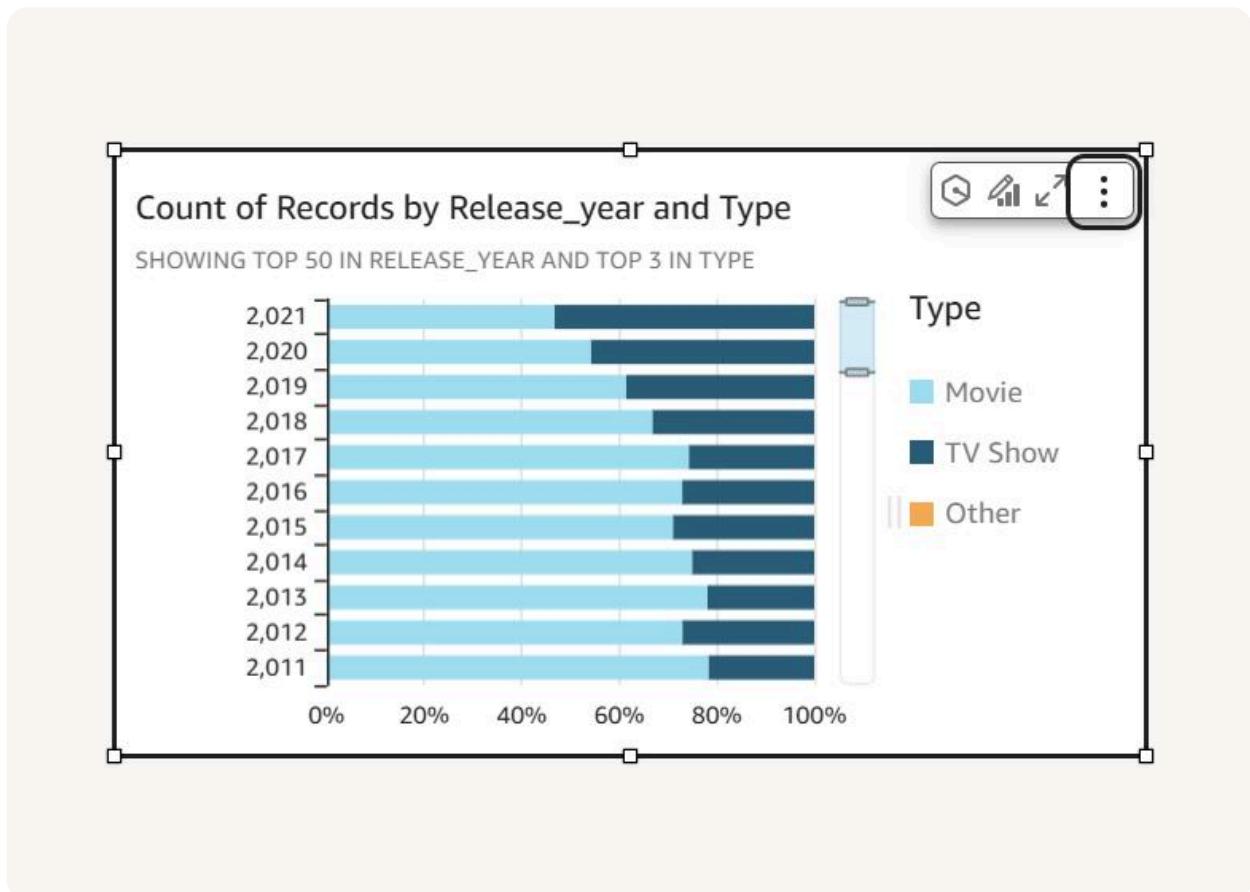
'I created this graph by dragging and dropping release_year into Y Axis heading.



Using filters

Using the filters we can display only the selected types.

This visualization is a Horizontal stacked 100% bar chart. Using this, we can show the number of movies and tv shows released in an year on the same table.

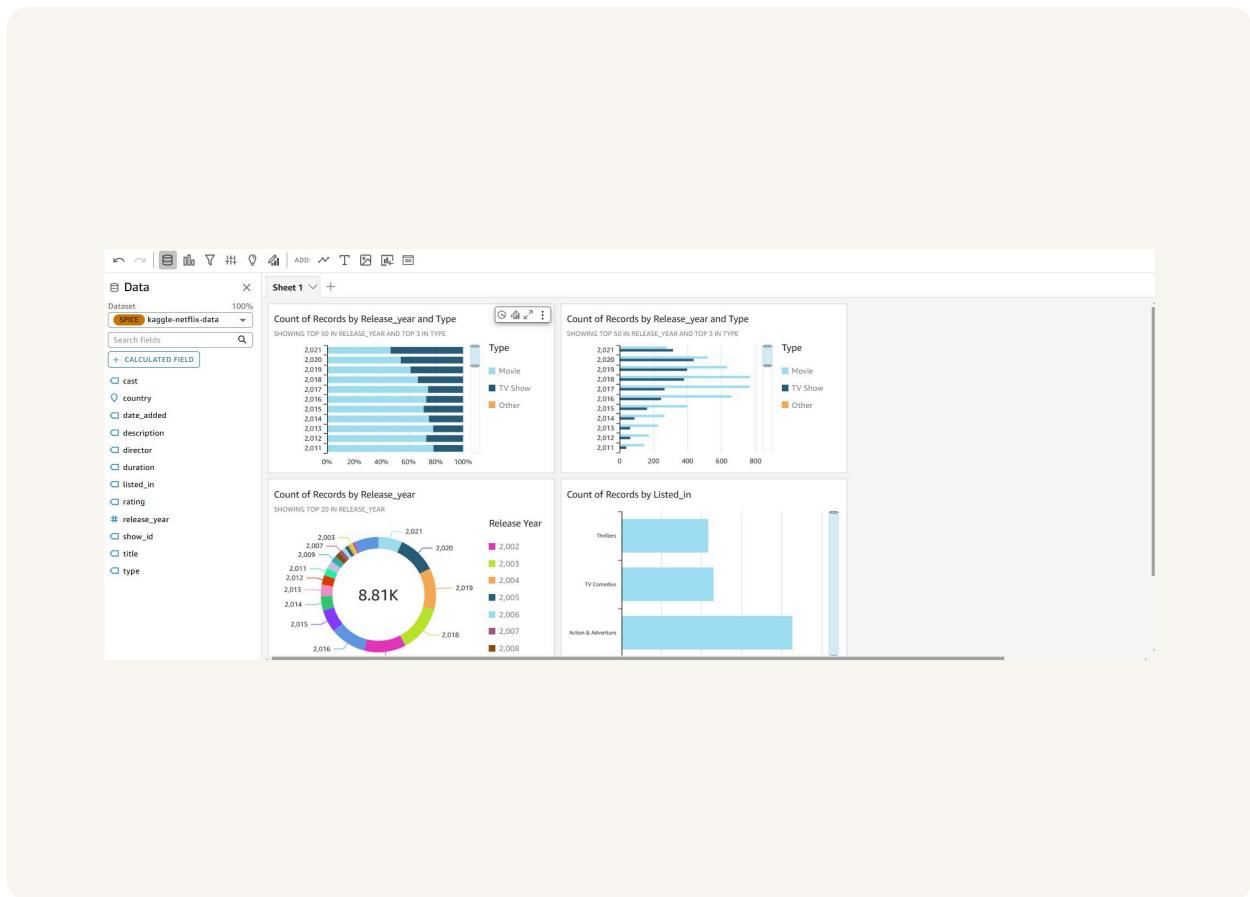




Setting up a dashboard

As a finishing touch, I added few visualizations so that it can be appealing to viewers.

Did you know you could export your dashboard as PDFs too? I did this by clicking File and then click 'File to PDF'. And, you will be notified when the file is ready to be downloaded.





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