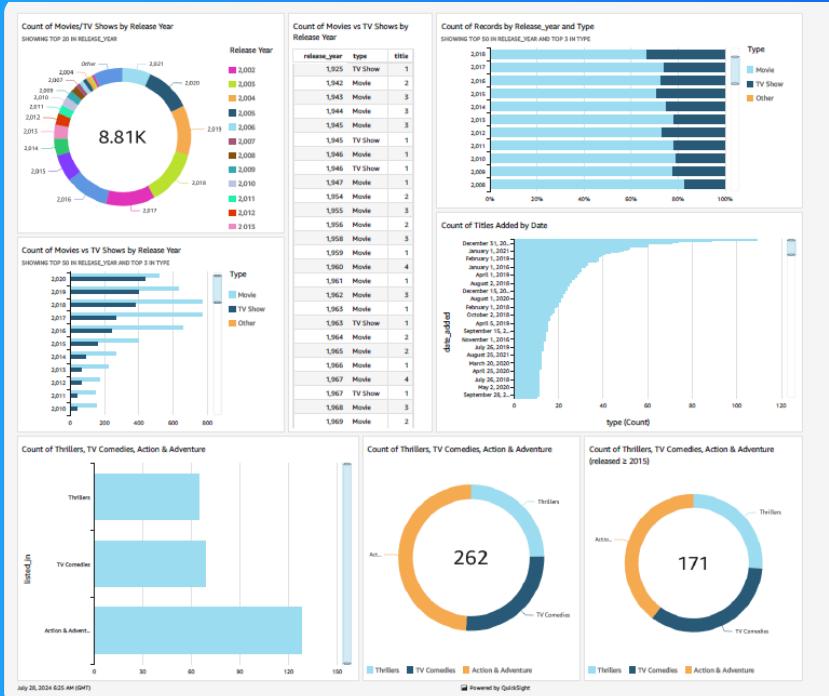




Visualize data with QuickSight



Roshan Thomas





Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a BI service from AWS that lets users analyze data and create visualizations like charts and graphs. It's fast, easy to use, and handles large data sets, helping users make better business decisions with visualized data insights.

How I used Amazon QuickSight in this project

I used Amazon QuickSight in today's project to create visualizations showing the count of movies and TV shows by release year. I applied filters to narrow down the data, making it easier to analyze and interpret.

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

One thing I didn't expect in this project was the large volume of data from different release years, which required extensive filtering and visualization to make the information manageable and useful.

This project took me...

About 1 hour and 30 mins

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Upload project files into S3

netflix_titles.csv and manifest.json

I edited the manifest.json file by updating s3 URI of my dataset. Its important to edit this file because keeping an outdated s3 URI means that manifest.json would be directing to the wrong address.

Objects (2) Info						
<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class	Actions
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"/>	manifest.json	json	July 27, 2024, 19:41:26 (UTC+05:30)	305.0 B	Standard	Copy S3 URI Copy URL Download Open Delete Actions Create folder
<input type="checkbox"/>	netflix_titles.csv	csv	July 27, 2024, 19:39:42 (UTC+05:30)	3.2 MB	Standard	Upload



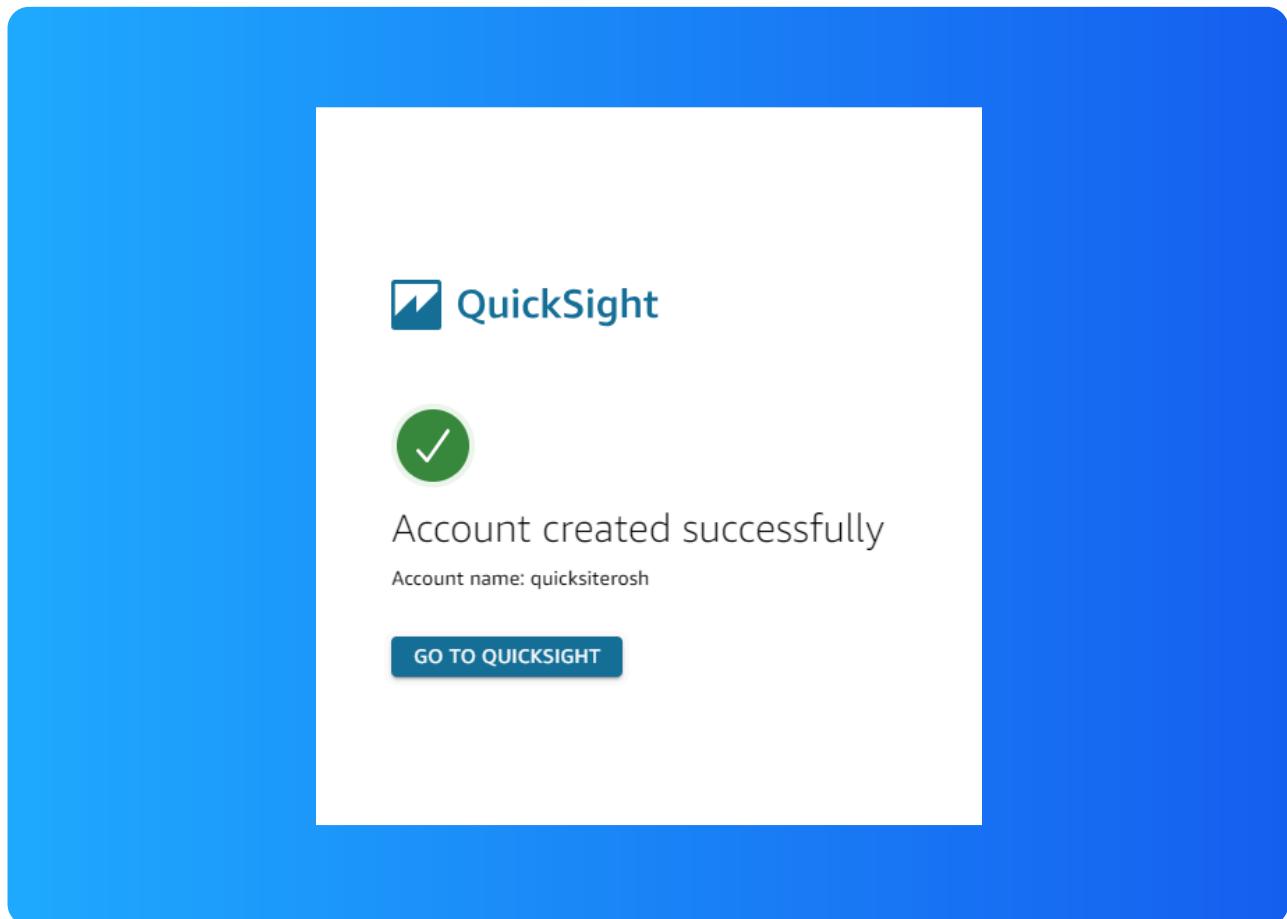
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Create QuickSight account

ZERO, as long as you delete the account after completing the project. The free trial lasts for 30 days.

2 minutes to setup the account



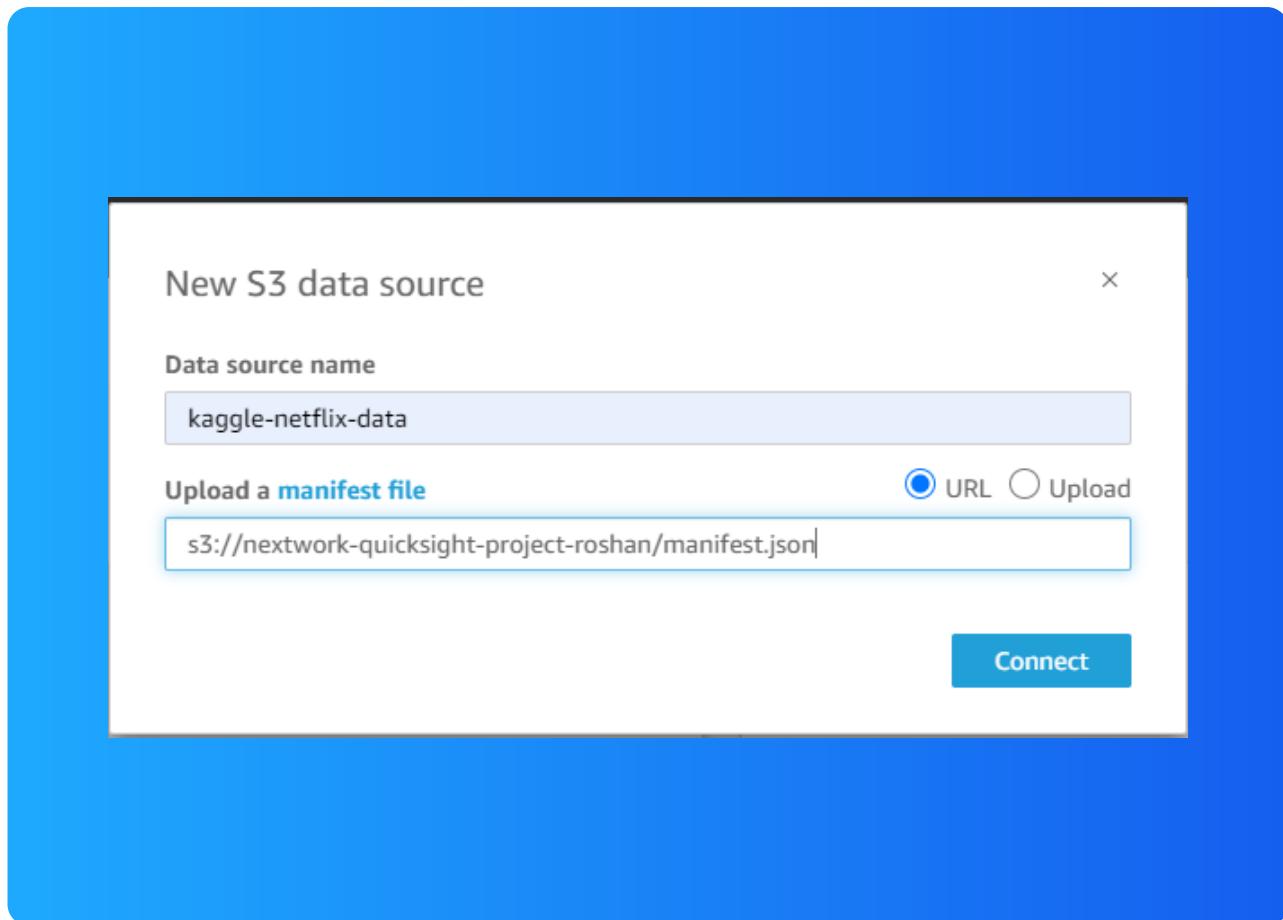
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Download the Dataset

I connected the S3 bucket to QuickSight by visiting the Dataset tab on the left navigation bar, Then select the New Dataset tab.

manifest.json tells QuickSight what your dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs.



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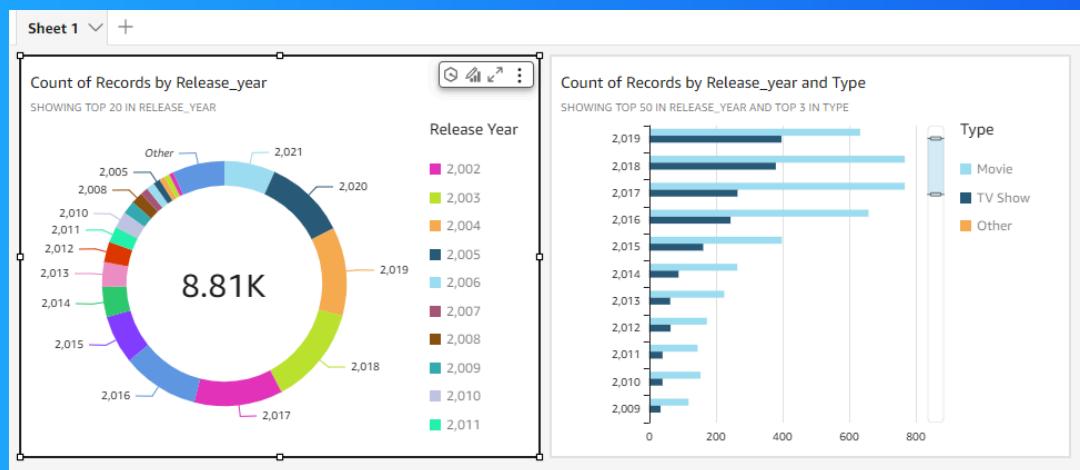
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My first visualization

To create visualizations on QuickSight, I uploading the Datasets and drag relevant fields into the QuickSight dashboard's AutoGraph space.

The chart/graph shown here is a breakdown of movies vs tv shows every year

the release year on the y-axis and type in the grouping variable.



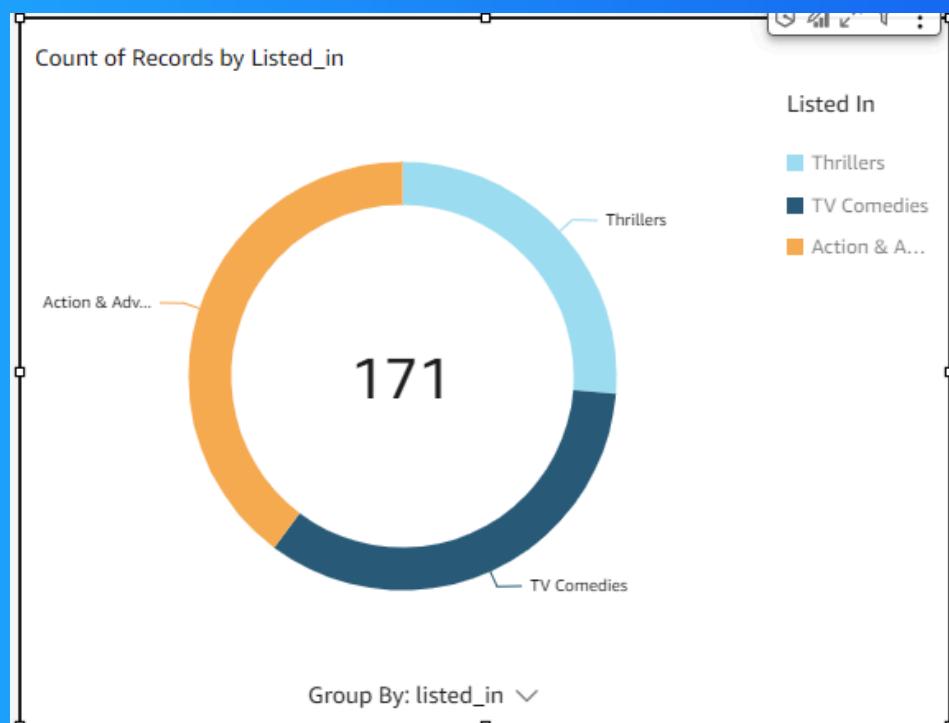
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Using filters

Filters are useful for Narrowing down large datasets to specific criteria, Improving data analysis by focusing on relevant information and Simplifying data visualization and interpretation

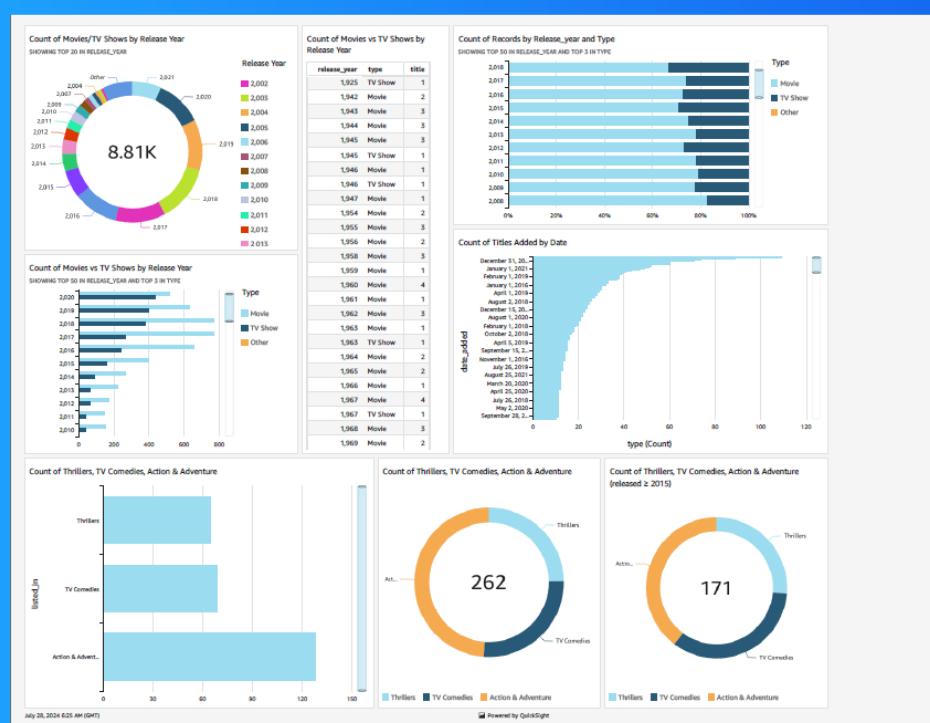
This visualization is a breakdown of movie and TV show releases by year. Here I added a filter by release year to narrow down the data to specific criteria, improving the focus on relevant information and simplifying the analysis.



Setting up a dashboard

As a finishing touch, I renamed the char names for easier understanding and resized the charts for better visual

Did you know you could export your dashboard as PDFs too? I did this by clicking the export button on top right corner and selecting Generate PDF option, wait for few minutes until its ready for download.





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job they love.**

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