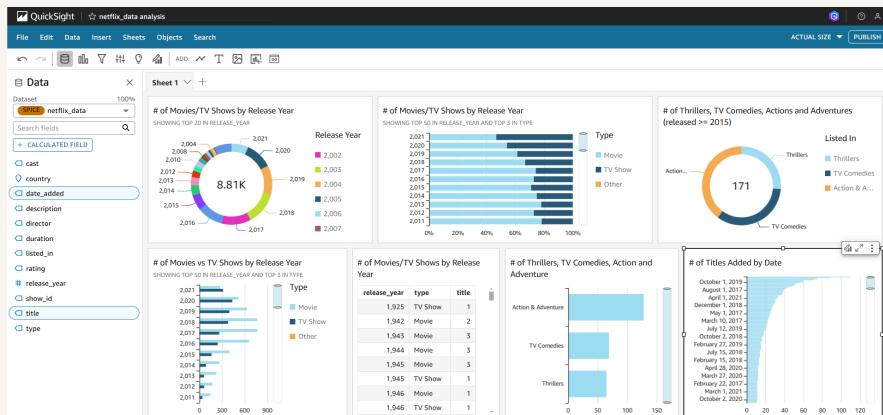


Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based BI tool that turns data into interactive dashboards and reports. It's fast, scalable, and cost-effective, with built-in AI insights. No servers to manage just connect your data and start visualizing trends easily.

How I used Amazon QuickSight in this project

I used Amazon QuickSight to connect my S3 data, create a dataset, and build interactive visualizations. It helped me spot trends quickly and turn raw data into clear insights all without complex setup.

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

One thing I didn't expect in this project was how quickly QuickSight processes and visualizes data. I thought it would take longer to set up, but the speed and ease of creating dashboards surprised me!

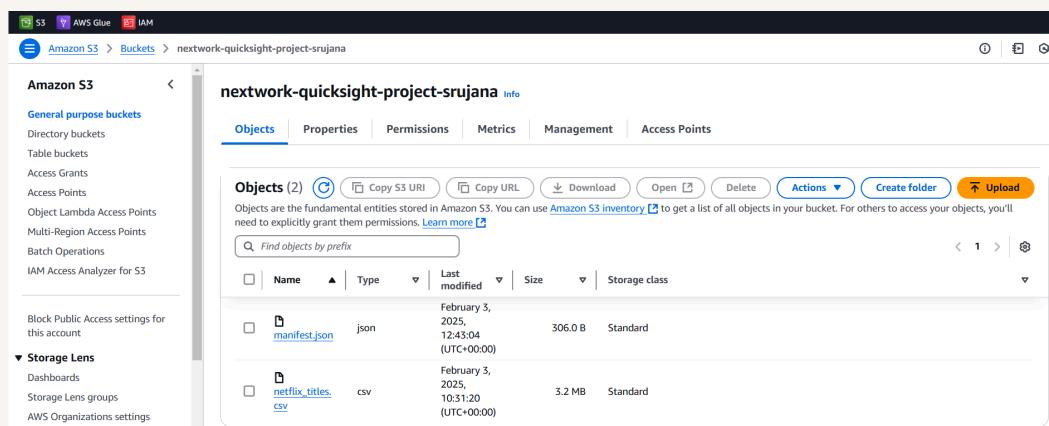
This project took me...

This project took me around 1-2 hours, including setting up the data source, configuring permissions, and creating visualizations in QuickSight. It was faster than expected, and the insights were totally worth it!

Upload project files into S3

S3 is used in this project to store two files, which are my dataset and manifest.json file.

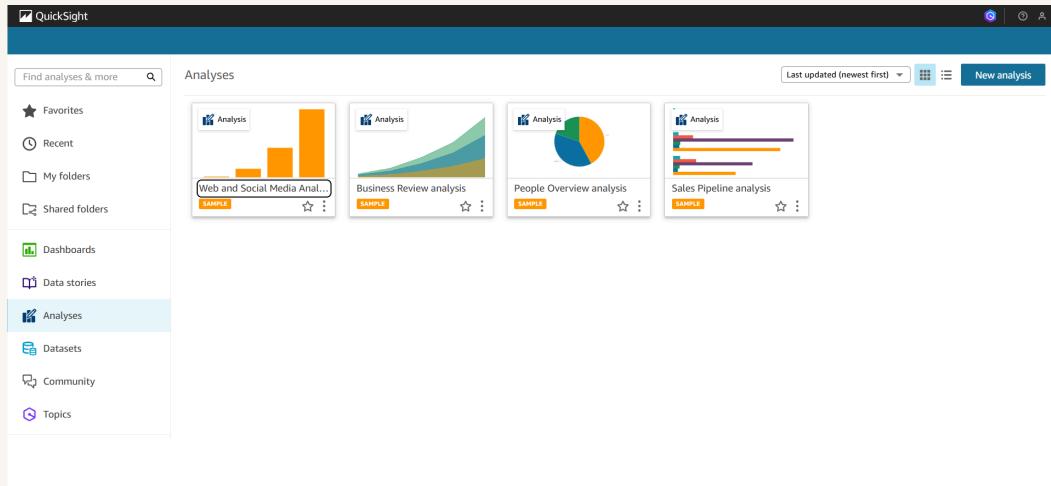
I edited the manifest.json by updating the S3 URI of my dataset. Its important to edit this file because keeping an outdated S3 URI means that manifest.json would be directing to the wrong address.



Create QuickSight account

It is free to make a QuickSight account (the free trial lasts for 30 days), and it took two minutes to set up and wait for account creation - pretty fast!

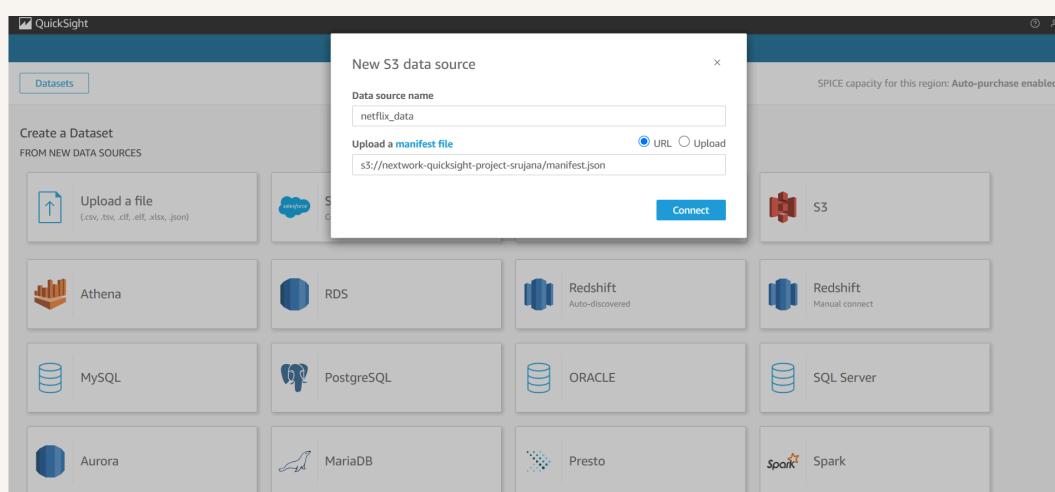
Creating an account took me about 10-15 minutes, including setting up permissions and choosing the right subscription. Pretty quick and easy.



Download the Dataset

I connected the S3 bucket to QuickSight by visiting the “Manage Data Sources” page, selecting “S3” and granting permissions in the IAM settings to enable access.

The manifest.json file was important in this step because it tells QuickSight where to find the data in my S3 bucket, including file paths, formats, and permissions. It acts as a roadmap for importing structured data.

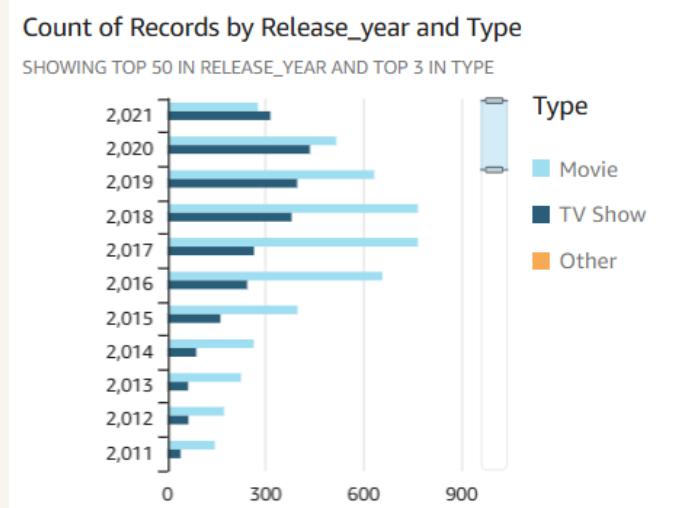


My first visualization

To create visualizations on QuickSight, I have to drag relevant fields into the QuickSight dashboard's AutoGraph space.

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

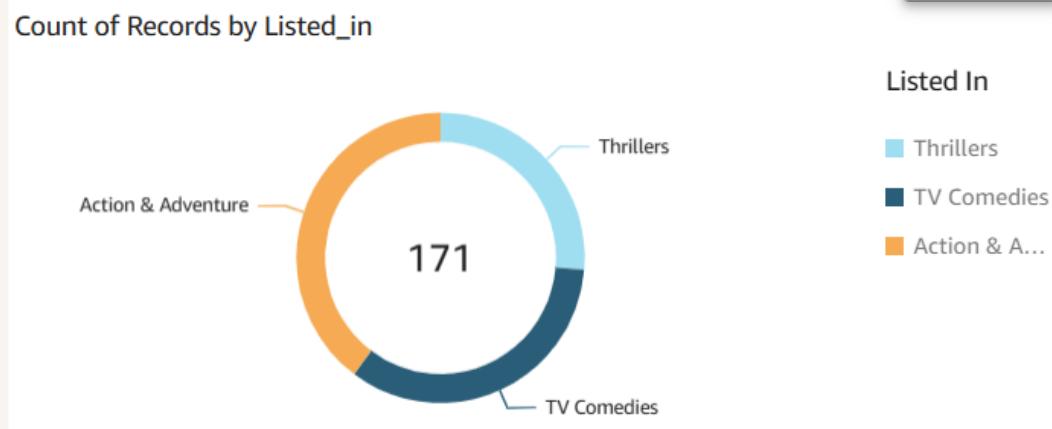
I created this graph by dragging and dropping the release year on the y-axis, and making the type(i.e movie, or tv show) grouping variable.



Using filters

Filters are useful for specifying the exact subset of data that you are wanting to analyse - effectively excluding any irrelevant data.

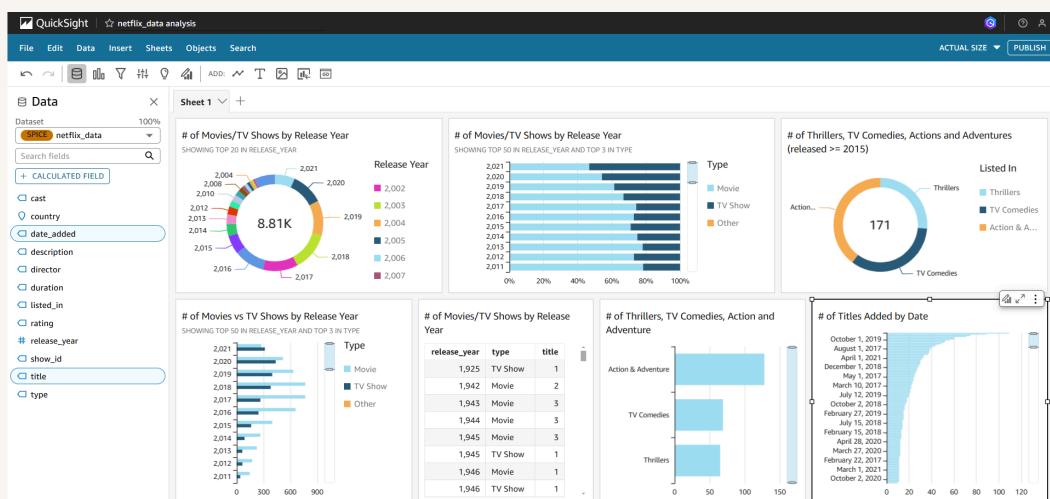
Here I added a filter by excluding movies and TV shows that were released before 2015. This helped me create a visualization on movies and TV shows of the three genres I specified that were released from 2015 onwards.



Setting up a dashboard

As a finishing touch, I edited the titles of my graphs so that the purpose of each chart is clear to the reader.

Did you know you could export your dashboard as PDFs too? I did this by publishing my dashboard, and using the export function.





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