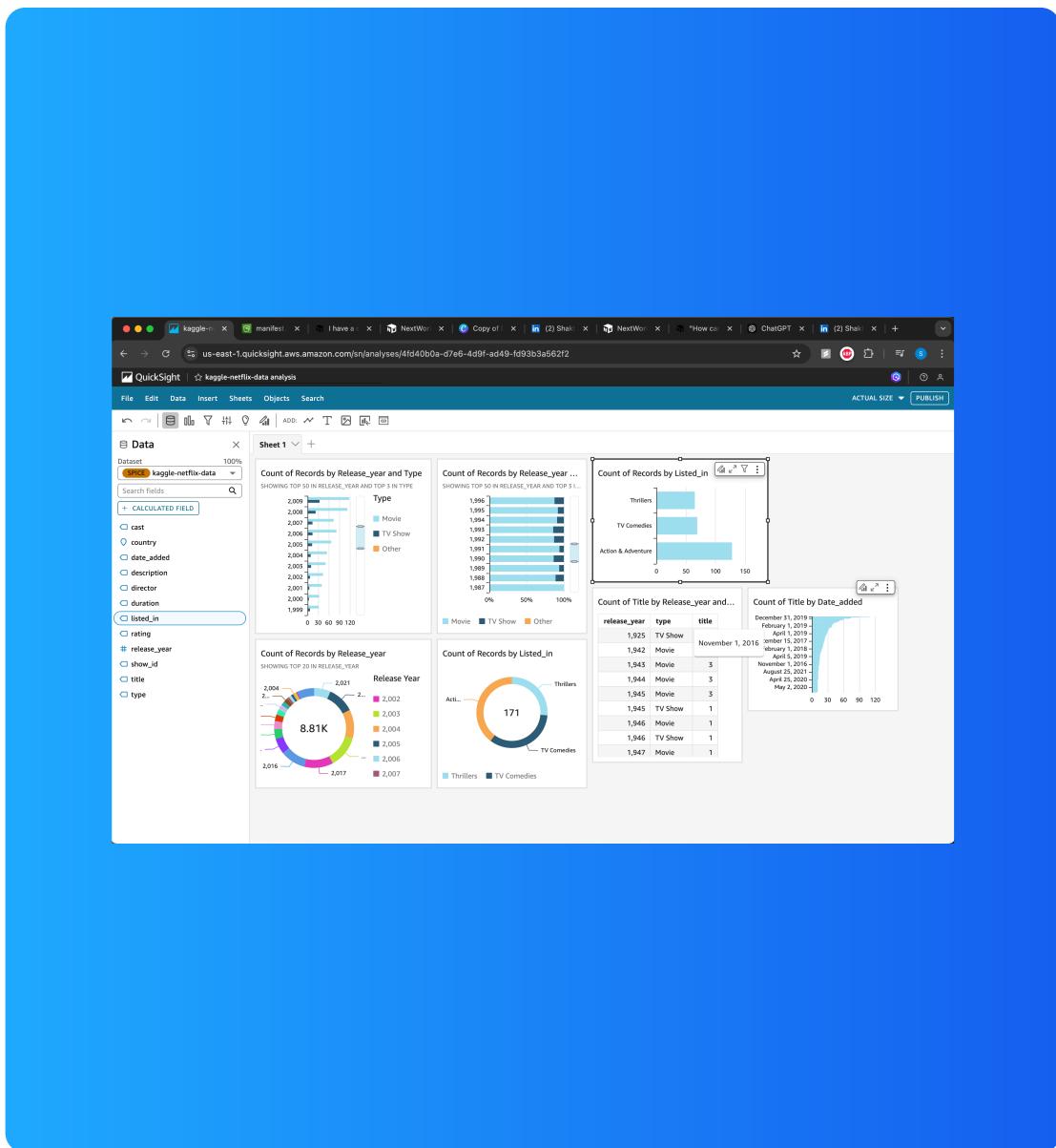




Visualize data with QuickSight



Shakti Patel





Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud BI tool from AWS for creating interactive dashboards and visualizations. It integrates with various data sources, uses ML for insights, scales serverlessly, and offers embedded analytics for apps, making data-driven decisions.

How I used Amazon QuickSight in this project

Used Amazon QuickSight to analyze Netflix data stored in S3, creating visualizations like release trends, genre breakdowns, and movies vs. TV shows. Built an interactive dashboard to showcase insights and explore patterns effectively.

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

I didn't expect how much data cleaning was needed before creating visualizations, especially handling inconsistent genres and missing values in the Netflix dataset.

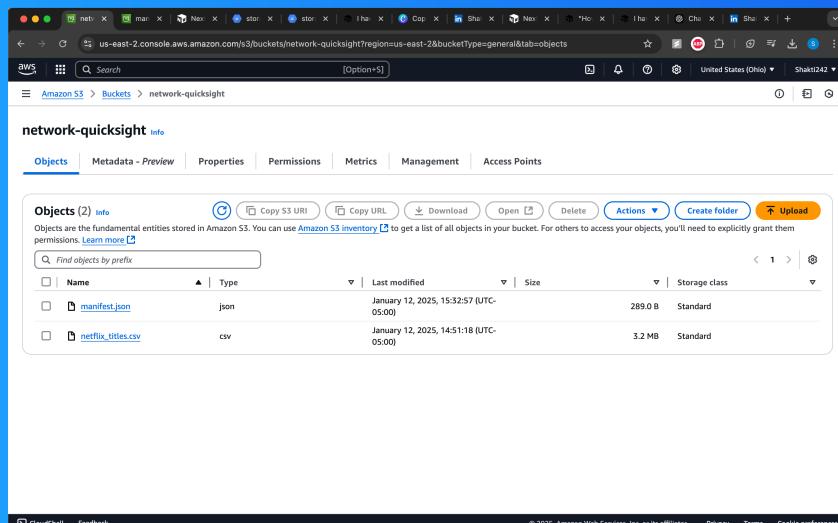
This project took me...

It took me 2hrs to complete it

Upload project files into S3

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

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 It's important to edit this file because keeping an outdated s3 URI means that manifest.json would be directing to the wrong address.

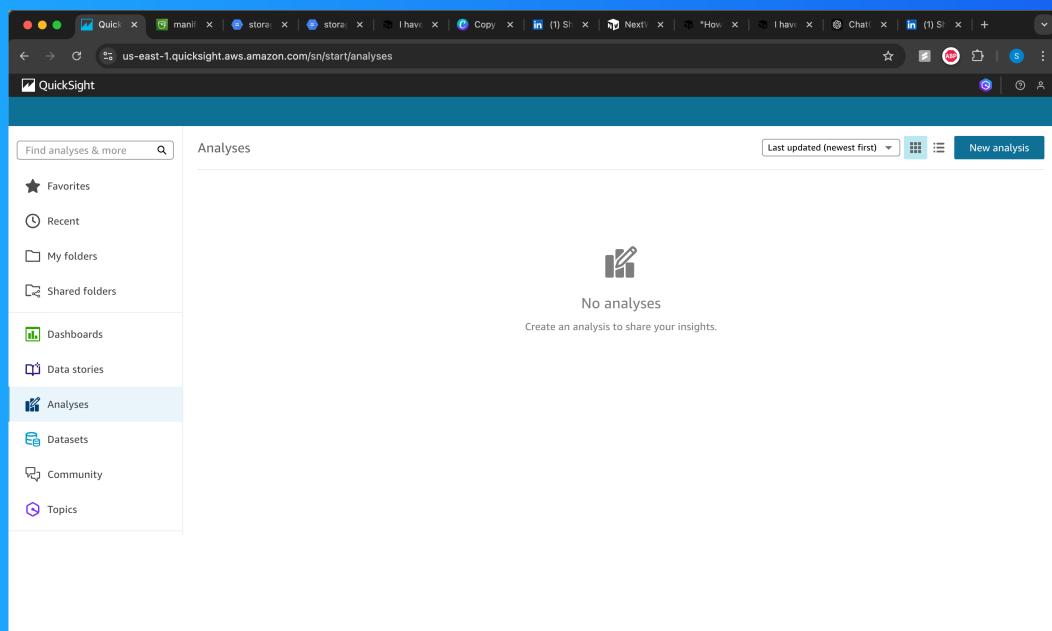




Create QuickSight account

It is free to make a Quick sight account.

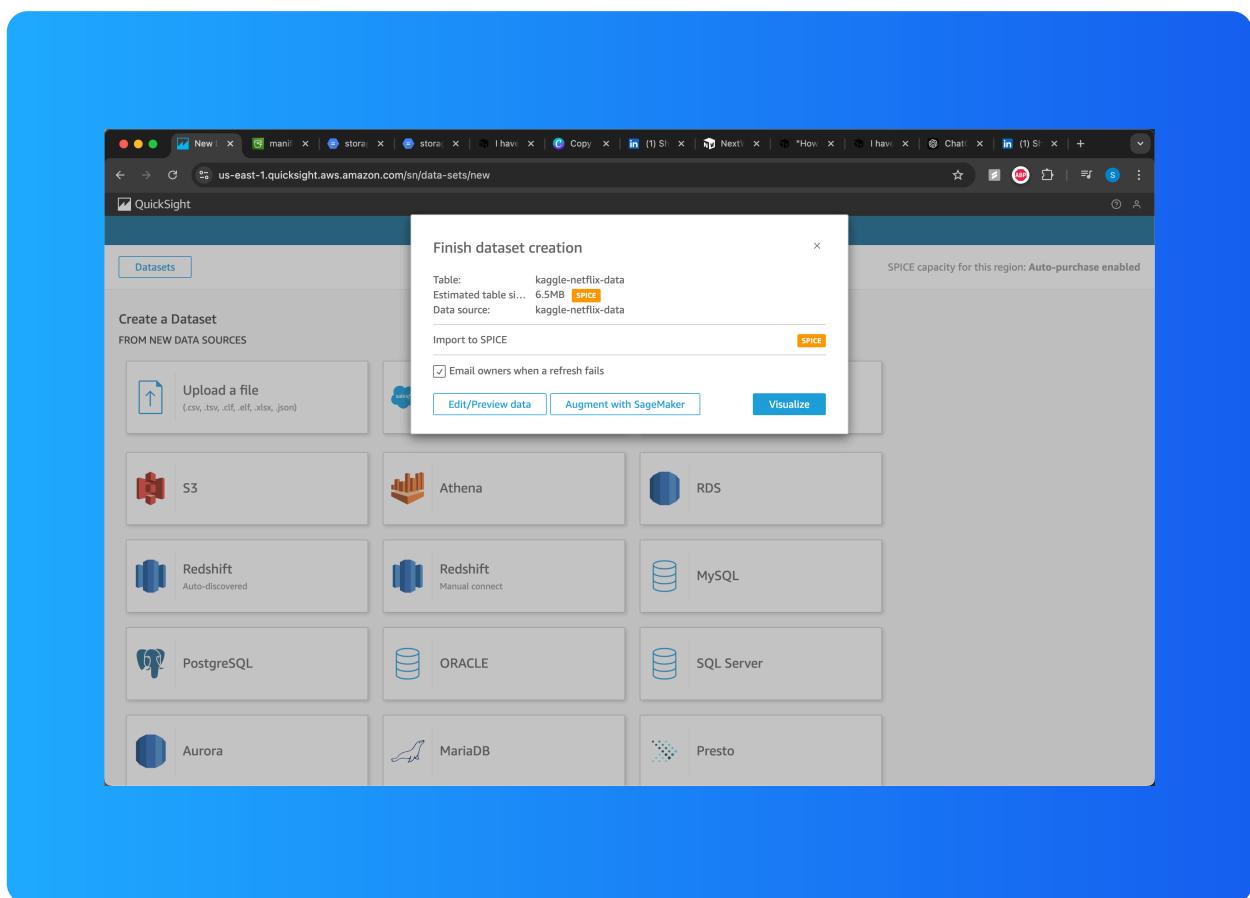
Creating an account took me a minute.



Download the Dataset

I connected the S3 bucket to QuickSight by visiting Datasets

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

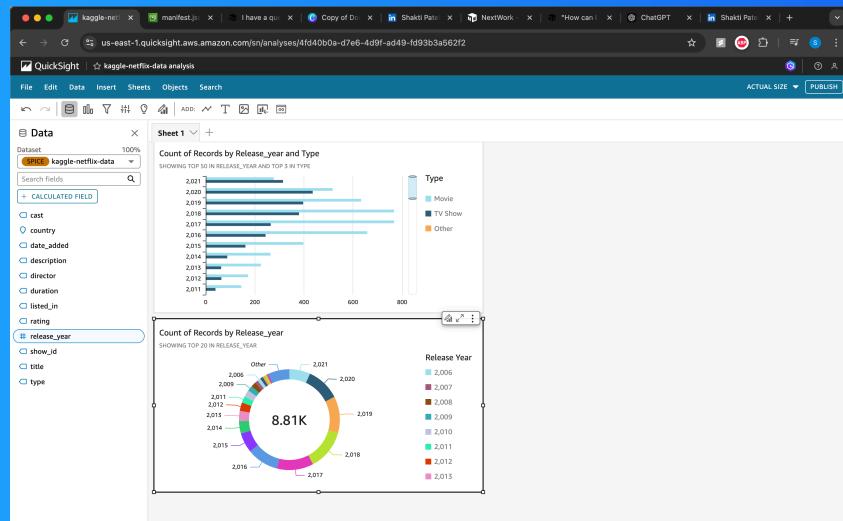


My first visualization

To create visualizations on QuickSight, you'll have to drag relevant fields into Quickstart dashboard Autograph's space.

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

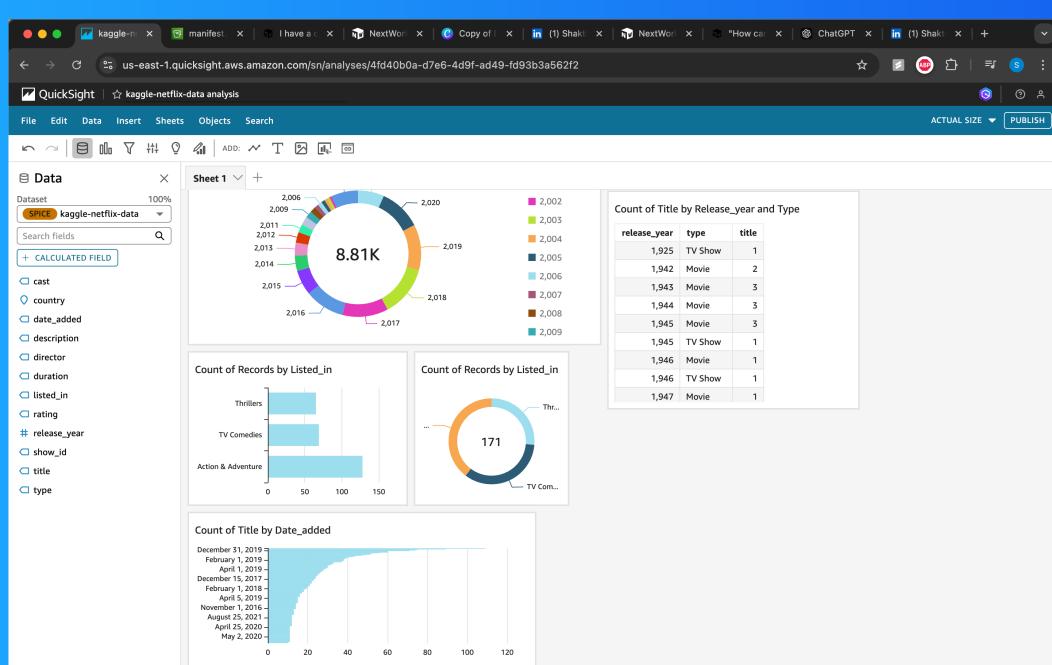
I created this graph by putting the release year on the y axis, and making type(i.e. Movies or TV shows) the grouping variable.



Using filters

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

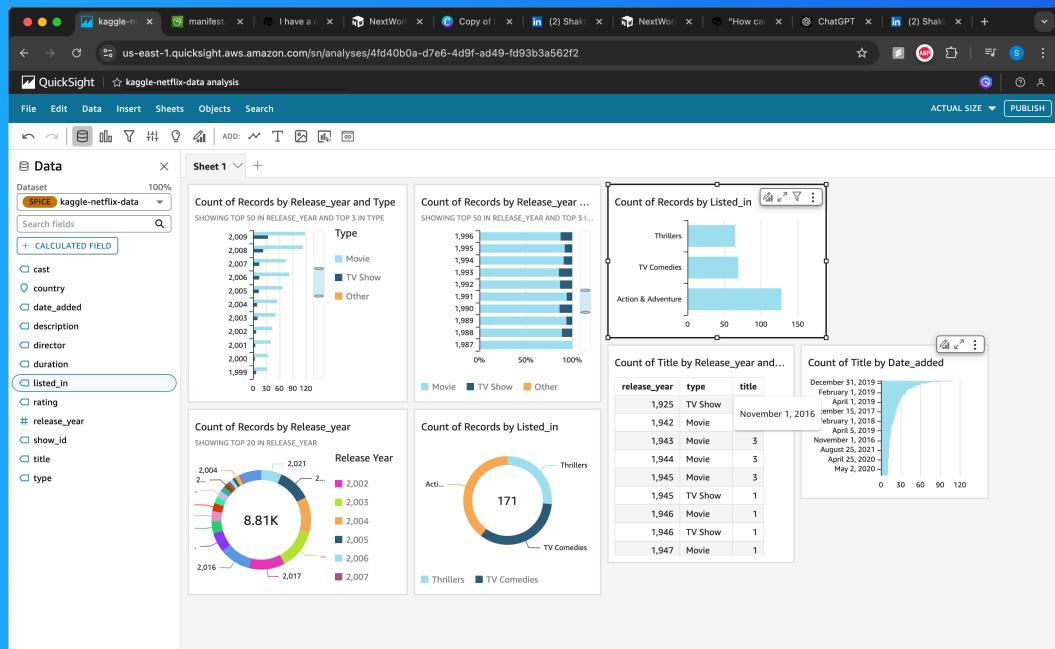
Here I added a filter by excluding movies and TV shows that were released before 2015. This helped me create a visualisation for the three genres I specified that were released from 2015 onwards.



Setting up a dashboard

As a finishing touch, I rearranged the visuals

Did you know you could export your dashboard as PDFs too? I did this by clicking generate PDF.





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