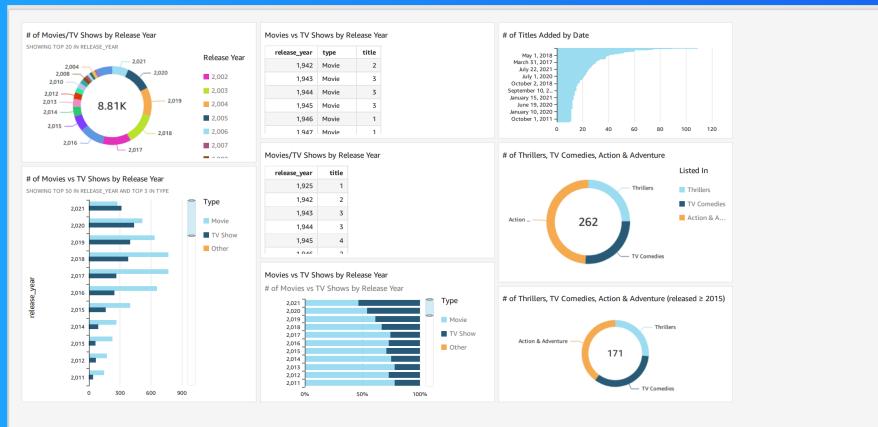




Visualize data with QuickSight



nihitha40633@gmail.com



Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based business intelligence service for creating interactive visualizations and dashboards to facilitate data-driven decision-making.

How I used Amazon QuickSight in this project

I used Amazon QuickSight to visualize the netflix_titles data by connecting to the S3 bucket and creating interactive charts to analyze genre distribution and viewership trends.

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

I didn't expect how quickly Amazon QuickSight could process and visualize large datasets, making it easy to uncover insights in real-time.

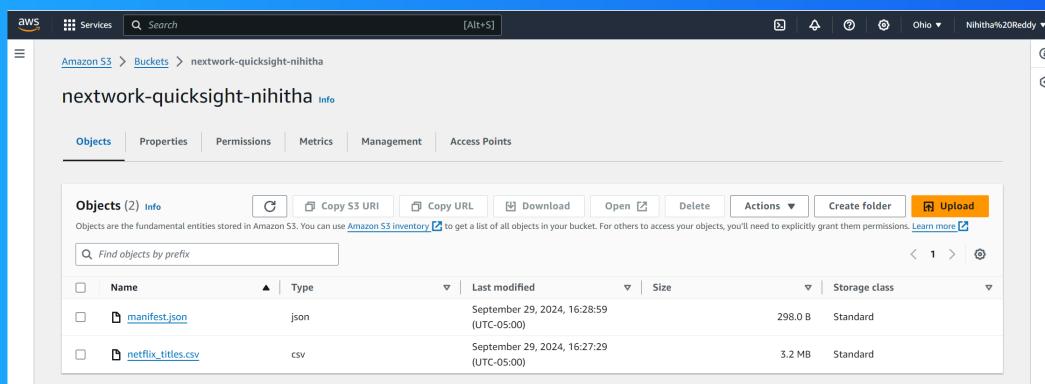
This project took me...

It took me around 90 minutes to finish this project.

Upload project files into S3

S3 is used in this project to store two files, which are manifest.json and netflix_titles.csv

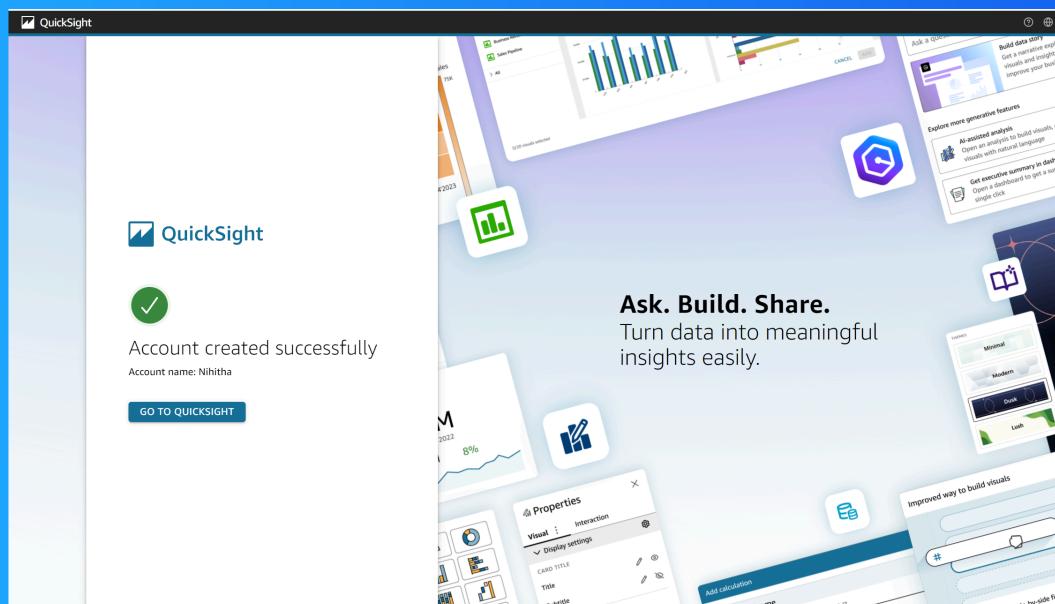
I edited the manifest.json file by changing the URI of netflix_titles in S3 bucket. It's important to edit this file because it defines the structure and location of data in the S3 bucket.



Create QuickSight account

Creating a QuickSight account costs zero dollars.

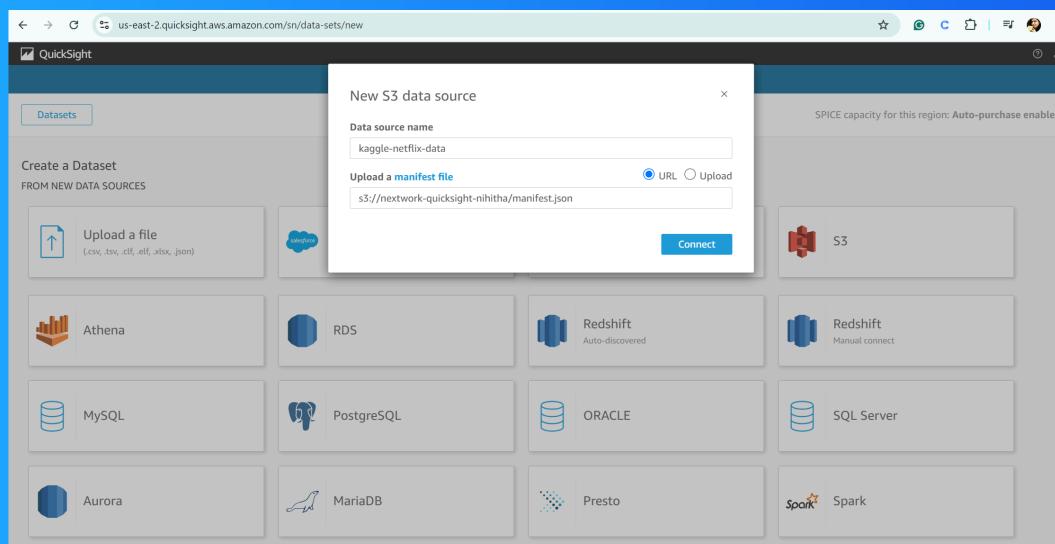
Creating an account took me 2 minutes.



Download the Dataset

I connected the S3 bucket to QuickSight by visiting datasets in the left panel selecting a new dataset and selecting S3.

The manifest.json file was important in this step because it defines the structure and location of the data files you want to analyze in Amazon QuickSight.

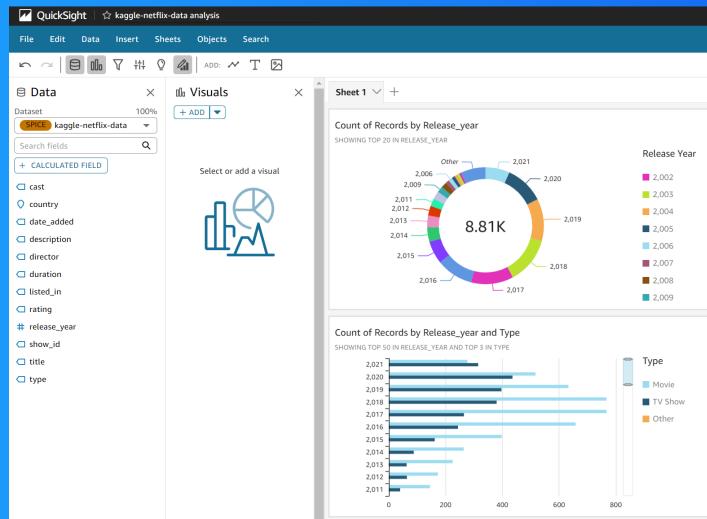


My first visualization

To create visualizations on QuickSight, I connected to an S3 bucket where my data is present and visualized using different graphs and charts.

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

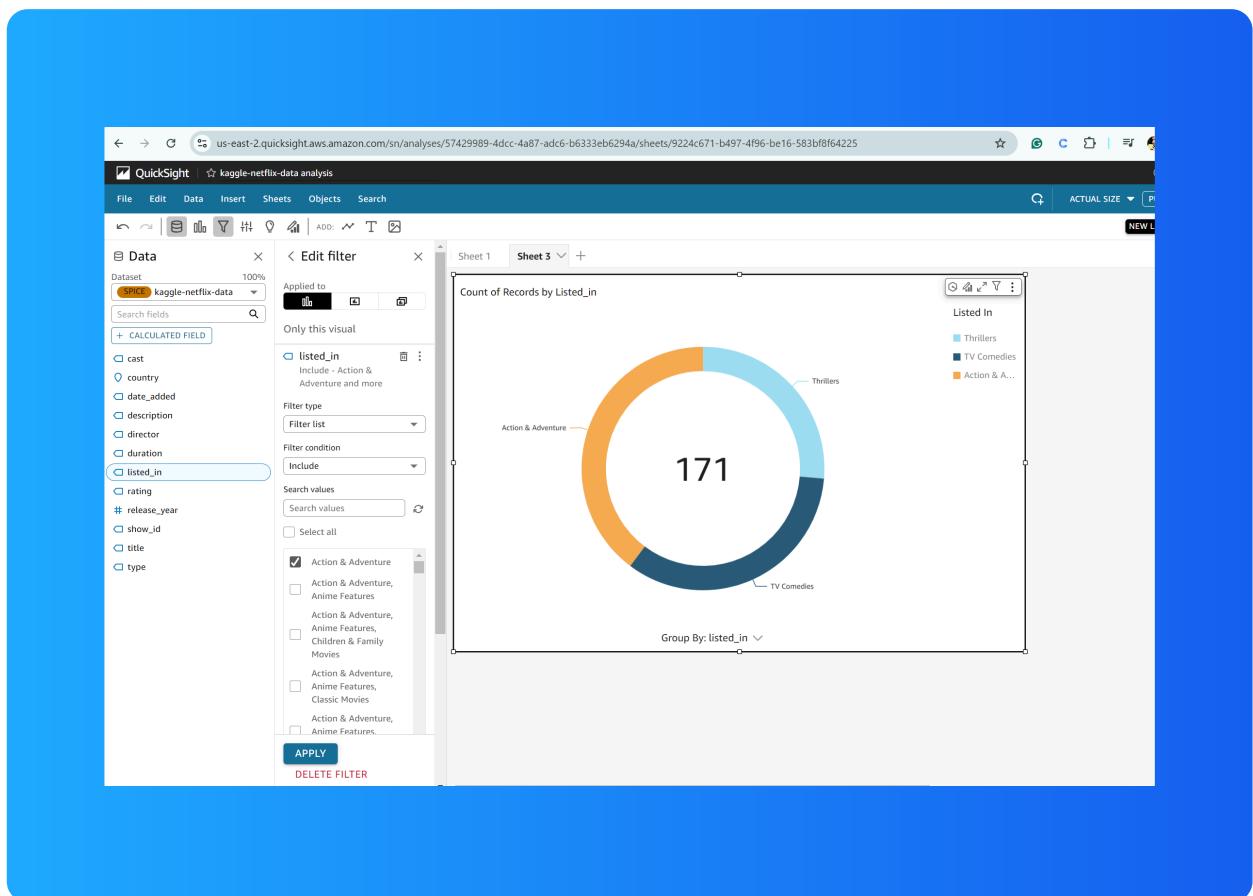
I created this graph by dragging and dropping the release_year label into the Y-Axis heading and type label into the Group/Color heading.



Using filters

Filters are useful for refining your analysis, making your visualizations more effective, and enabling interactive data exploration.

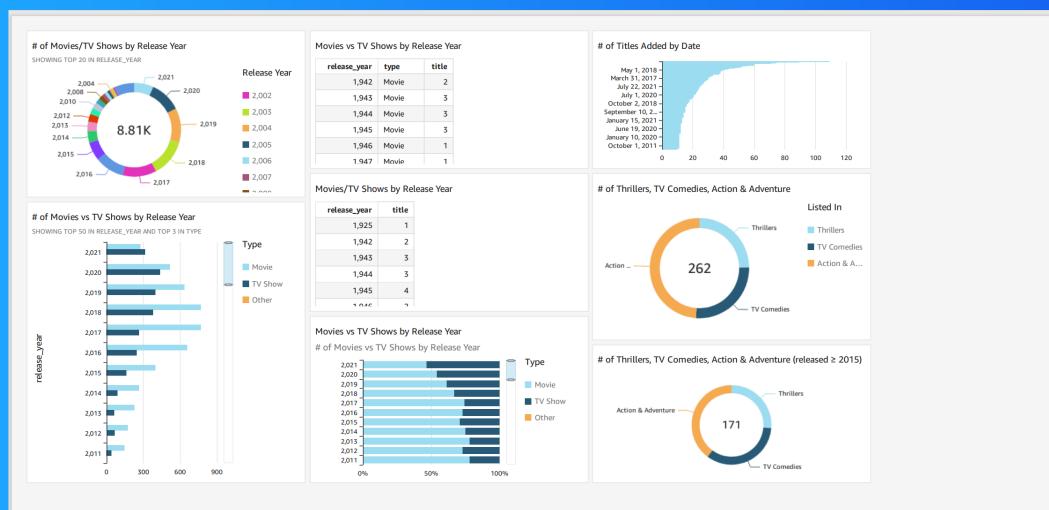
This visualization provides a breakdown of the TV shows and movies featured, specifically highlighting the number categorized as 'Action & Adventure,' 'TV Comedies,' or 'Thrillers.' I added a filter to focus on these specific genres.



Setting up a dashboard

As a finishing touch, I have added titles and readjusted the sizes of all charts.

Did you know you could export your dashboard as PDFs too? I did this by selecting the export icon on the top right-hand corner and clicking on generate pdfs, this will generate a pdf which can also be downloaded.





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