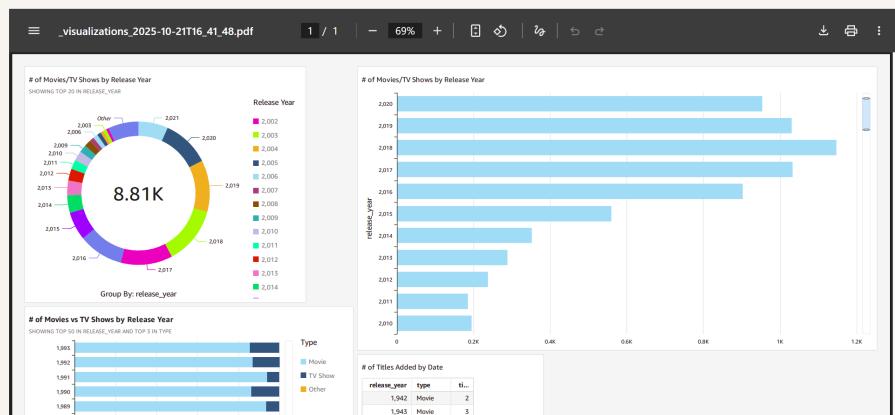




Visualize data with QuickSight



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Introducing Today's Project!

In this project, I will create an S3 bucket and upload files, Create an account on Amazon QuickSight, Connect my dataset (in the S3 bucket) to Amazon QuickSight and Create a variety of graphs. This will help me to analyse and visualize the dataset.

Tools and concepts

Services I used were amazon simple storage service(s3) for storing the data to be analyzed and also the manifest.json file for showing the structure of the data and amazon quicksight for visualization of the data.

Project reflection

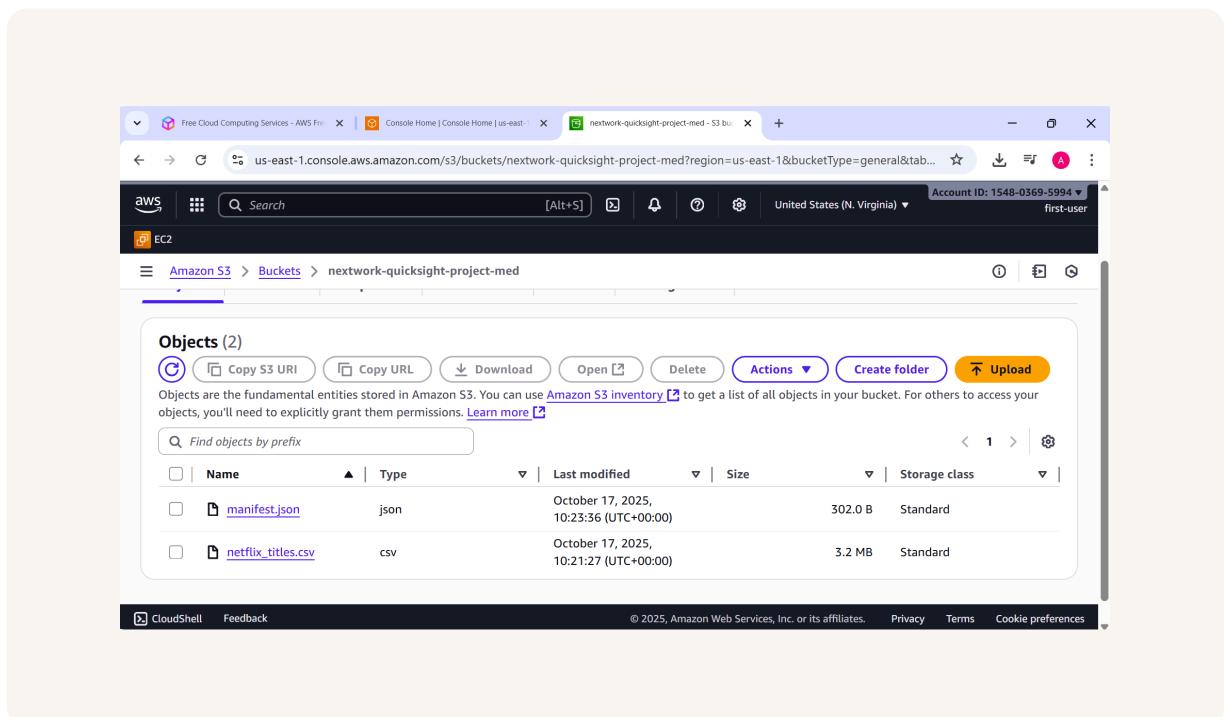
This project took me approximately 2-3 hours. The most challenging part was when the connection between my quicksight and s3 was not working due to the incorrect naming of the manifest.json file. It was most rewarding to finally finish this project.

After this project, I plan to work on the next beginner project and I will start this project as soon as possible.

Upload project files into S3

S3 is used in this project to store two files, which are netflix.csv which has dataset for analysis and visualization and a manifest.json file for showing Amazon Quicksight the information about the csv file.

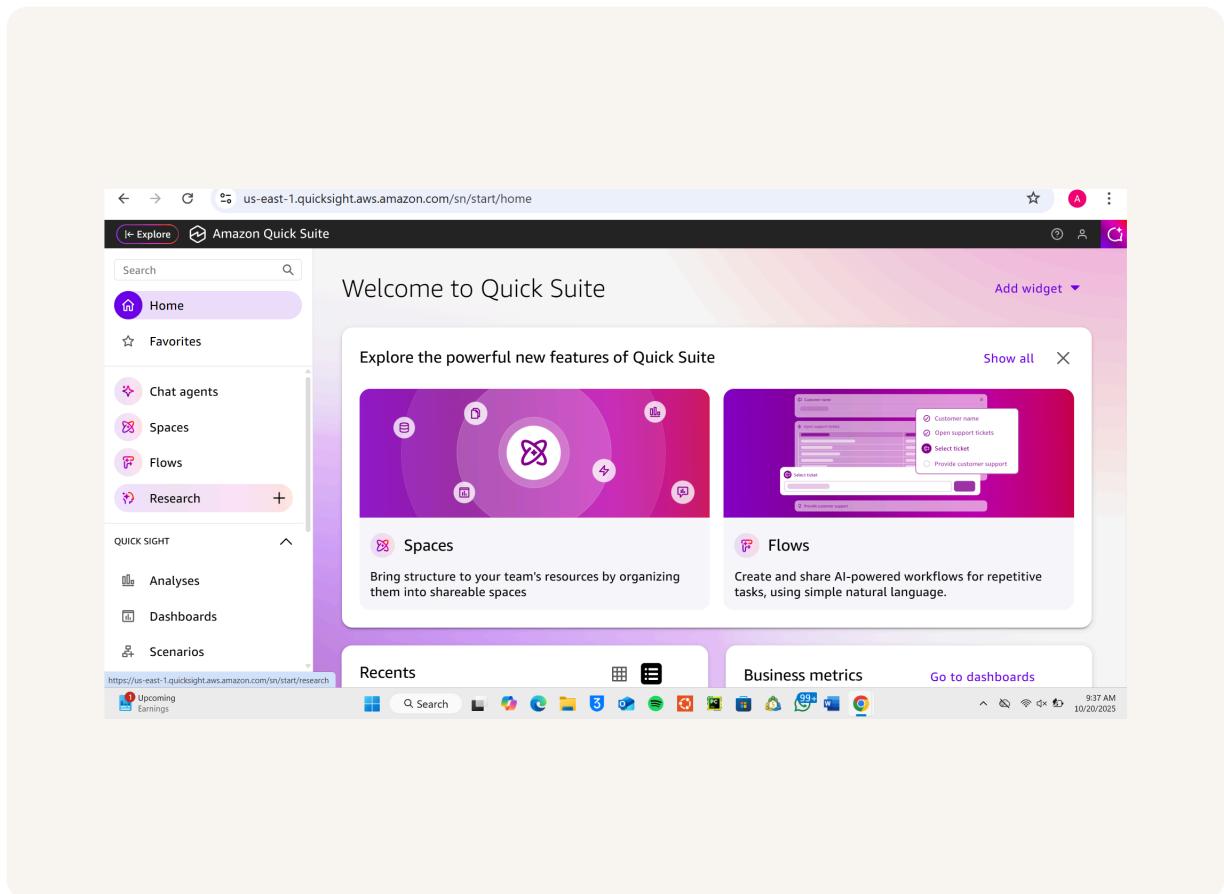
I edited the manifest.json file by updating with my dataset's URI .It's important to edit this file because it will direct the manifest.json to the exact file it is supposed to work on and contains the information like the dataset structure etc.



Create QuickSight account

Creating a QuickSight comes with a free trial. I Just made sure that i was using the AWS Paid Plan and i unchecked add to pixel-perfect reports to avoid incurring additional charges.

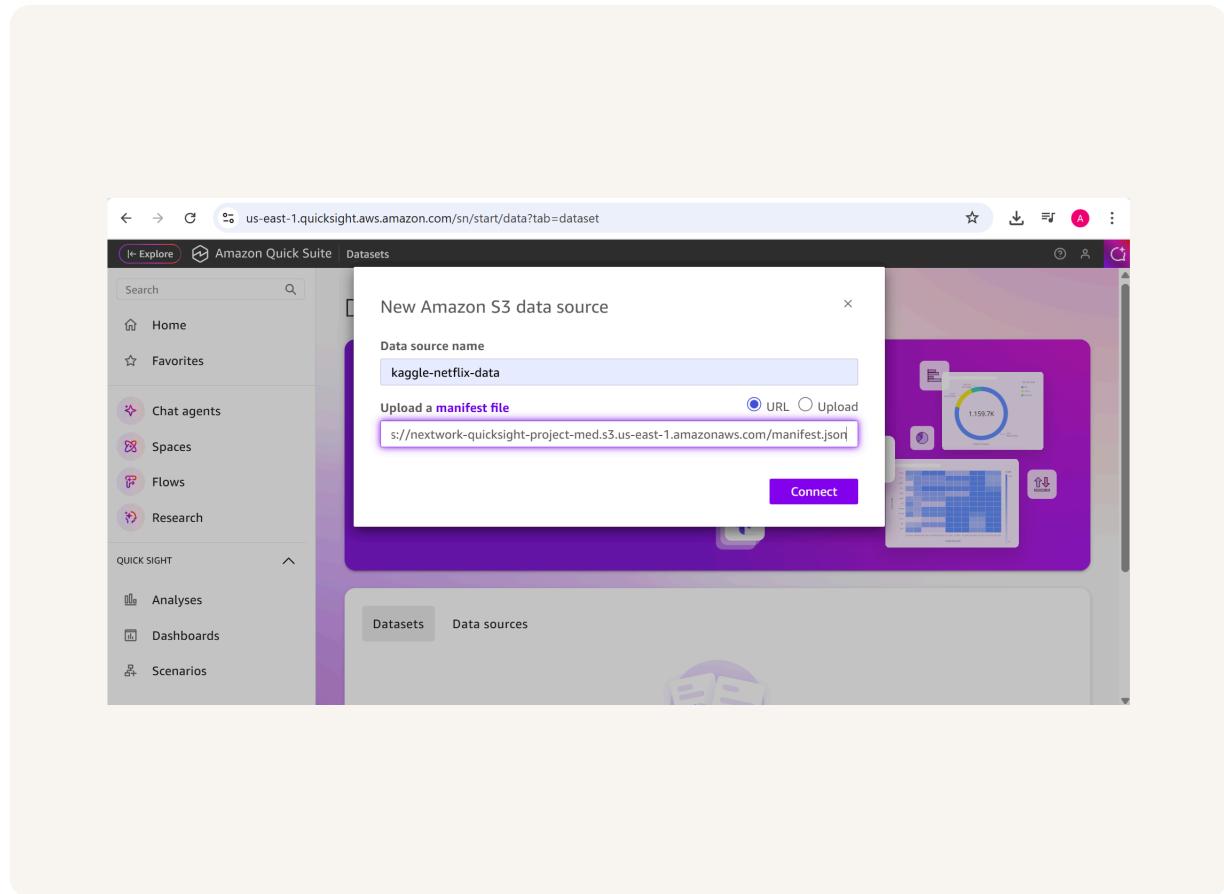
Creating an account took me just 2-3 minutes



Download the Dataset

I connected the S3 bucket to QuickSight by visiting datasets page.

The manifest.json file was important in this step because it showed the structure of the .csv file and how Quicksight should communicate with it

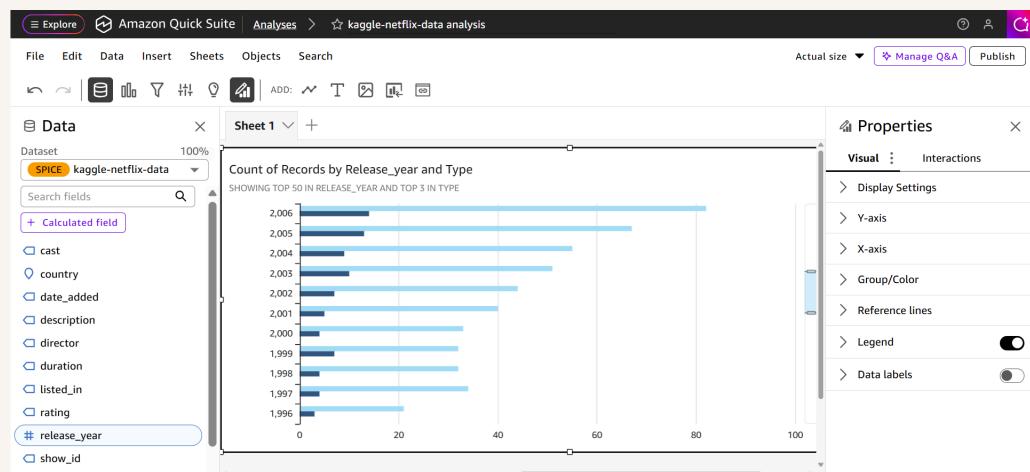


My first visualization

To create visualizations on QuickSight, I created a dataset by choosing datasets on the homepgae and following the necessary steps,i connected my manifest.json file to create my dataset.After succesful connection,i created my visualisations.

The chart/graph shown here is a breakdown of release_year data and Type data.

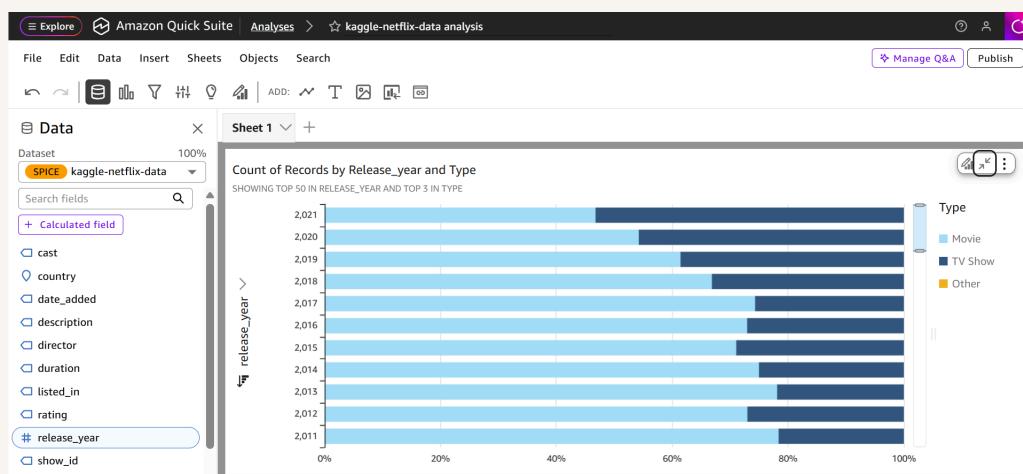
I created this graph by dragging and dropping the release year into the y-axis heading and type into the group/color heading



Using filters

Filters are useful for narrowing down on searching for a particular set of data within a large dataset.

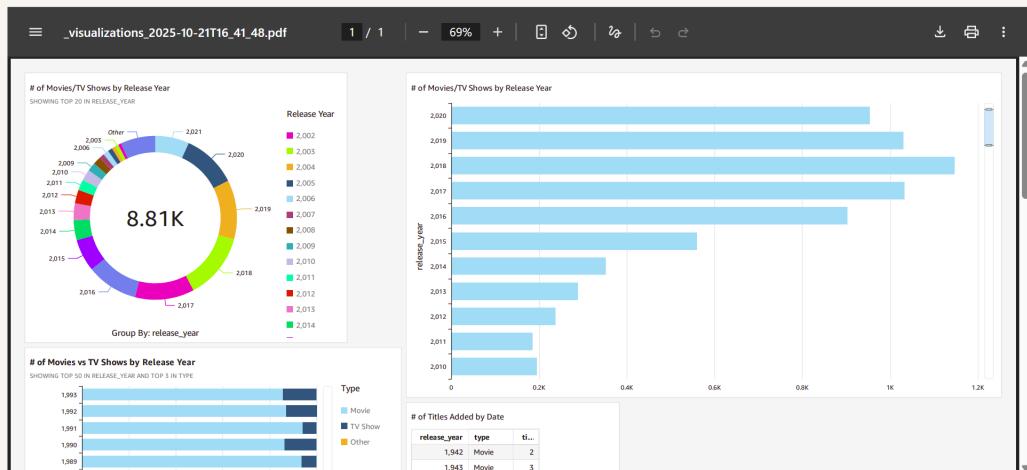
This visualization is a breakdown of release_year and type of movies by each year. Here I added a filter by adding the release_year and type showing the types of movies released each year.

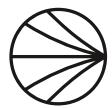


Setting up a dashboard

As a finishing touch, I just chose a name for the dashboard and enabled the sharing of my data.

Did you know you could export your dashboard as PDFs too? I did this by selecting the export icon on the toolbar and choosing pdf as means of exporting.





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