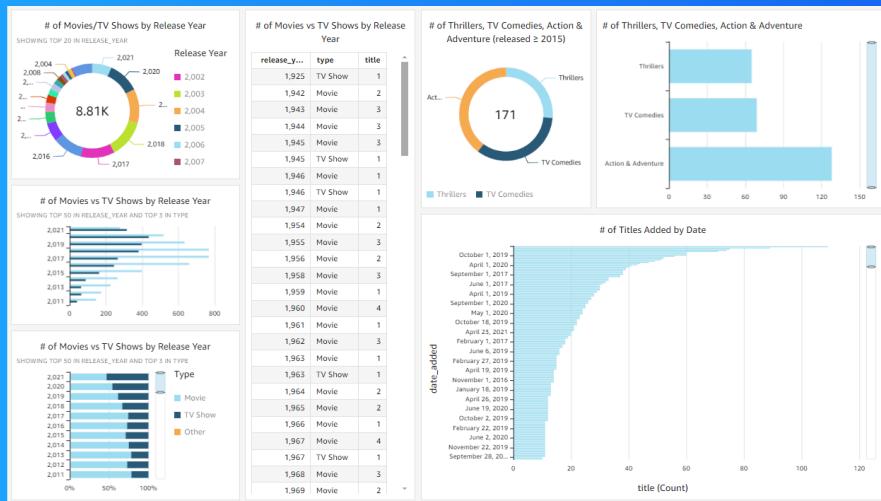




Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-scale business intelligence (BI) service that you can use to deliver easy-to-understand insights to the people who you work with, wherever they are and its intuitive interface and drag-and-drop features make it accessible

How I used Amazon QuickSight in this project

I used Amazon QuickSight to create a visual from that Netflix Title Analysis dataset

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

The one thing I didn't expect from this project was how easy and efficient this visualization tool was.

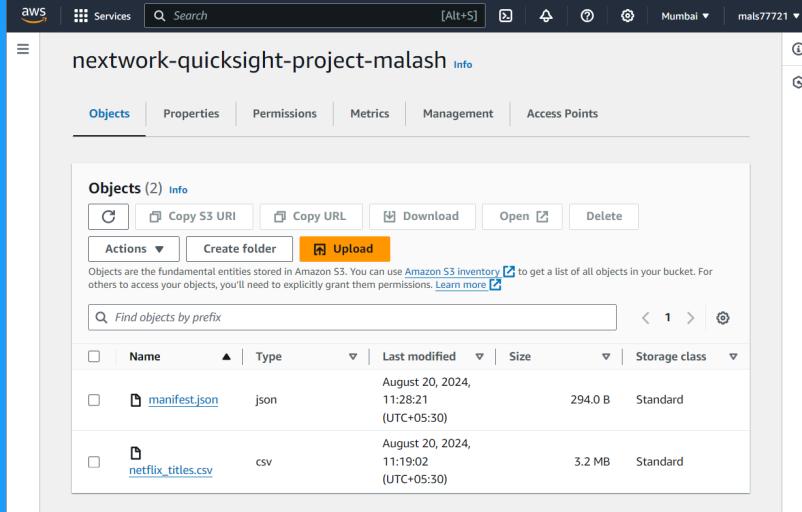
This project took me...

The whole project including understanding the features and creating documentation took almost 2 hours

Upload project files into S3

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

I edited the "manifest.json" file by opening the file on Visual Studio Code. It's important to edit this file because the file needs to have the current S3 URI link to function properly





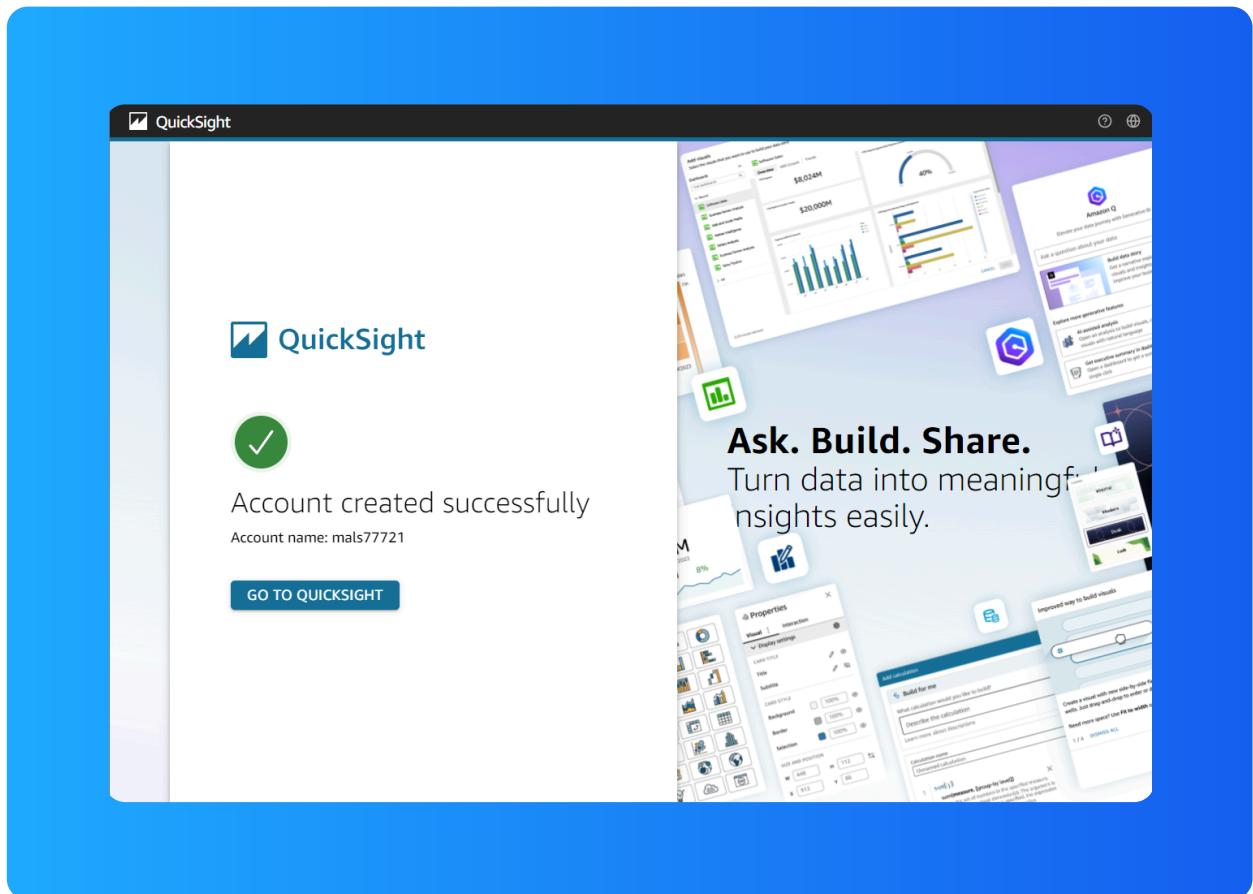
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Create QuickSight account

It is free to make a QuickSight account (the free trial lasts for 30 days)

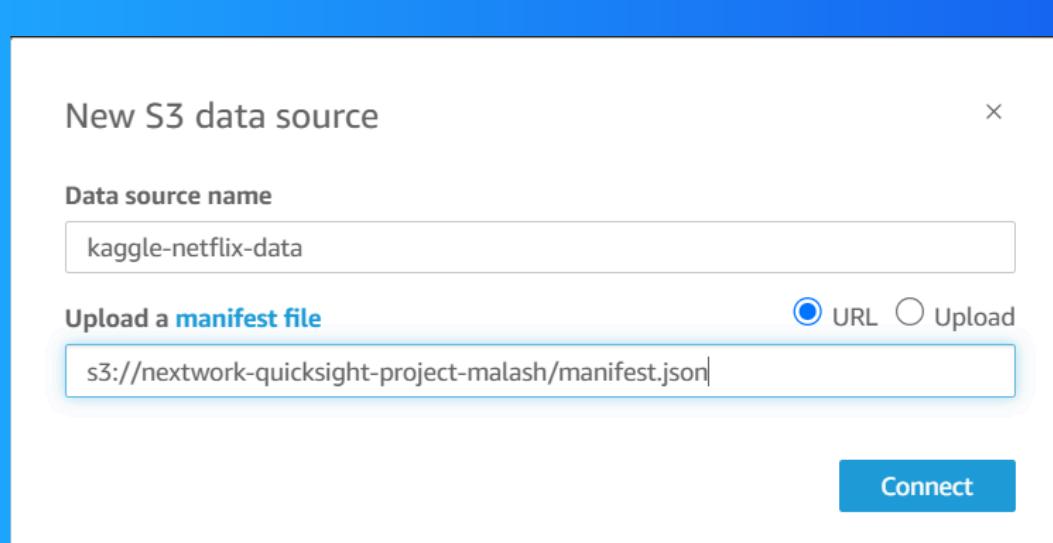
It took two minutes to set up and wait for account creation-pretty fast!



Download the Dataset

I connected the S3 bucket to QuickSight by clicking on the "Datasets" Tab on the left side navigation bar then clicked "New Dataset" and clicked on S3 then I had to enter a name for the data source and upload the URL for the JSON manifest file

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

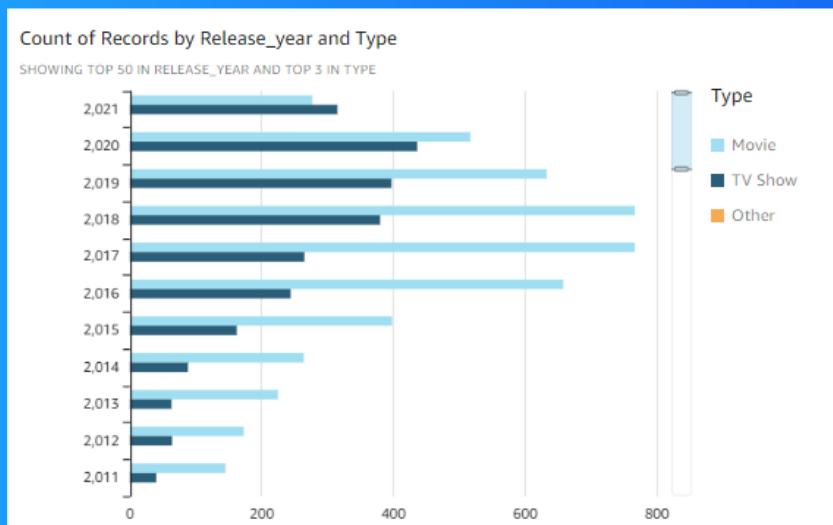


My first visualization

To create a visualization on QuickSight, you'll have to drag relevant fields into the QuickSight dashboard's AutoGraph space.

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

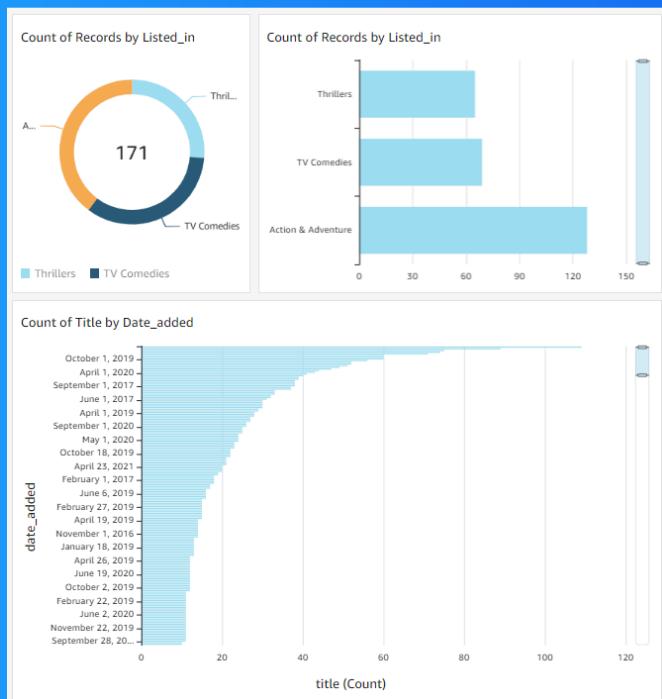
I created this graph by dragging the release year on the y-axis and making the type that is the movie or TV show the grouping variable.



Using filters

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

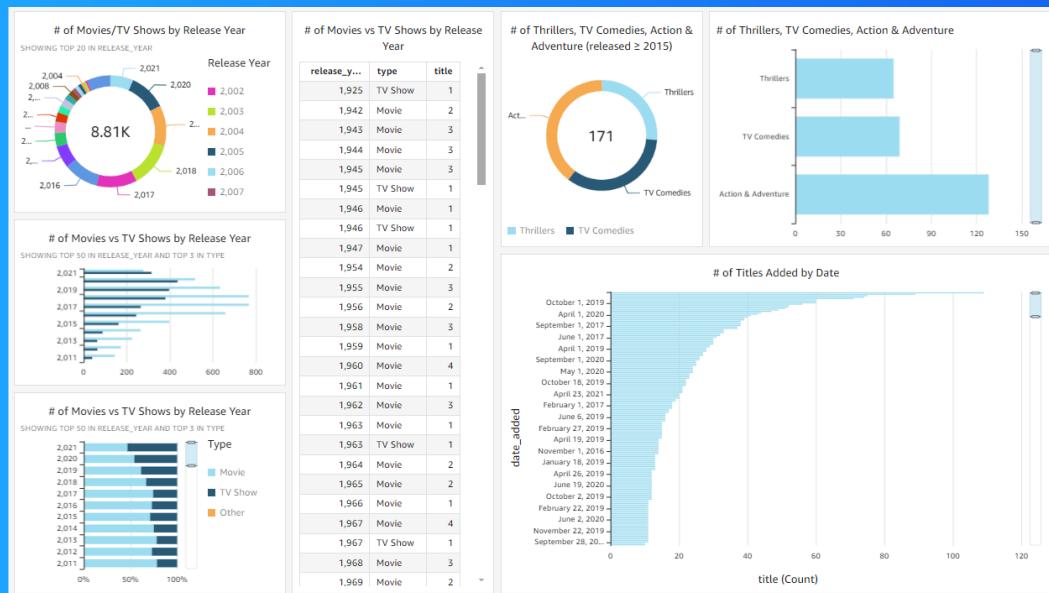
The donut chart visualization helped me create a visualization of movies and TV shows of the three genres I specified that were released from 2015 onwards. Here I added a filter by excluding movies and TV shows that were released before 2015



Setting up a dashboard

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

I did this by publishing my dashboard and using the export function.





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