

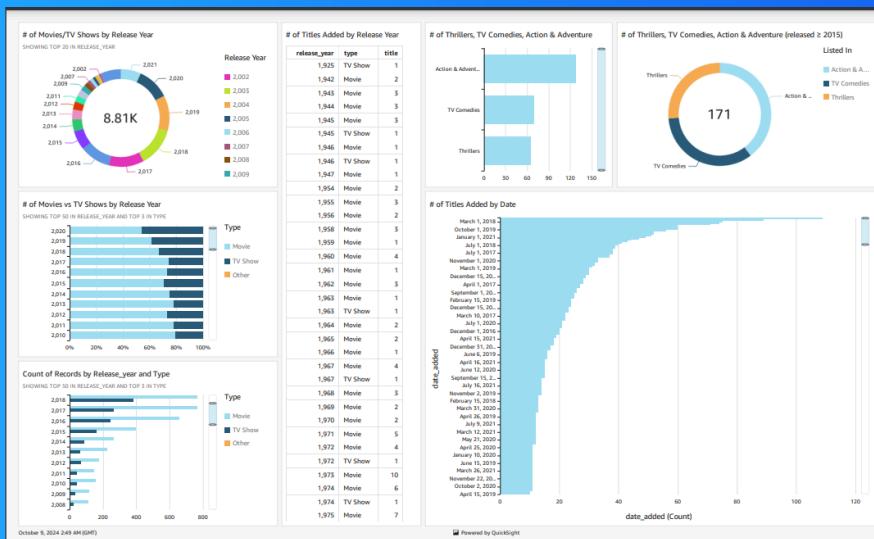


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Visualize data with QuickSight



Duke Nurrein





Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based BI service by AWS that is used to analyze and share data insights through interactive dashboards.. It intergrates with AWS services like S3, DRS, RedShift as well as 3rd party software like Salesforce or on-prem DBs

How I used Amazon QuickSight in this project

I used Amazon QuickSights to analayze Netflix repository data and present it in visual dashboards which I then published so the rest of my team can have a visibility over the data.

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

I got an error when setting up Amazon QuickSight. This was because of character mismatch in the name of the QuickSights account. However, this was a quick fix!

This project took me...

This project took me approximately 20 mins to do and 30 mins documenting the entire project. So I would say roughly 1 hour.



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 opening it using my local editor in my case I used VS code and replaced the S3 URL with the URL of my S3 bucket. It's important to edit this file because bucket names have to be globally unique.

Name	Type	Last modified	Size	Storage class
manifest.json	json	October 9, 2024, 04:32:23 (UTC+03:00)	303.0 B	Standard
netflix_titles.csv	csv	October 9, 2024, 04:26:43 (UTC+03:00)	3.2 MB	Standard



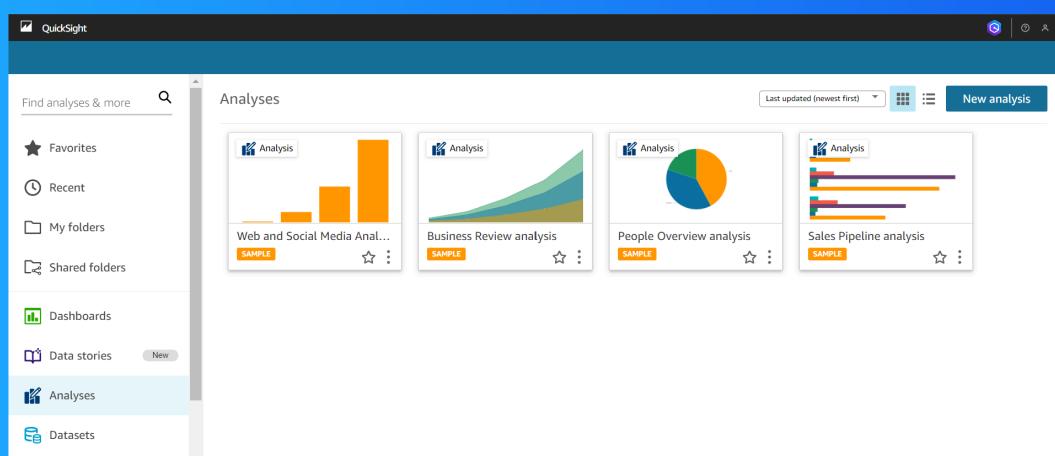
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Create QuickSight account

Creating a QuickSight account costs zero dollars. QuickSights has a free trial as long as you delete any resources you use.

Creating an account took me 3 mins.

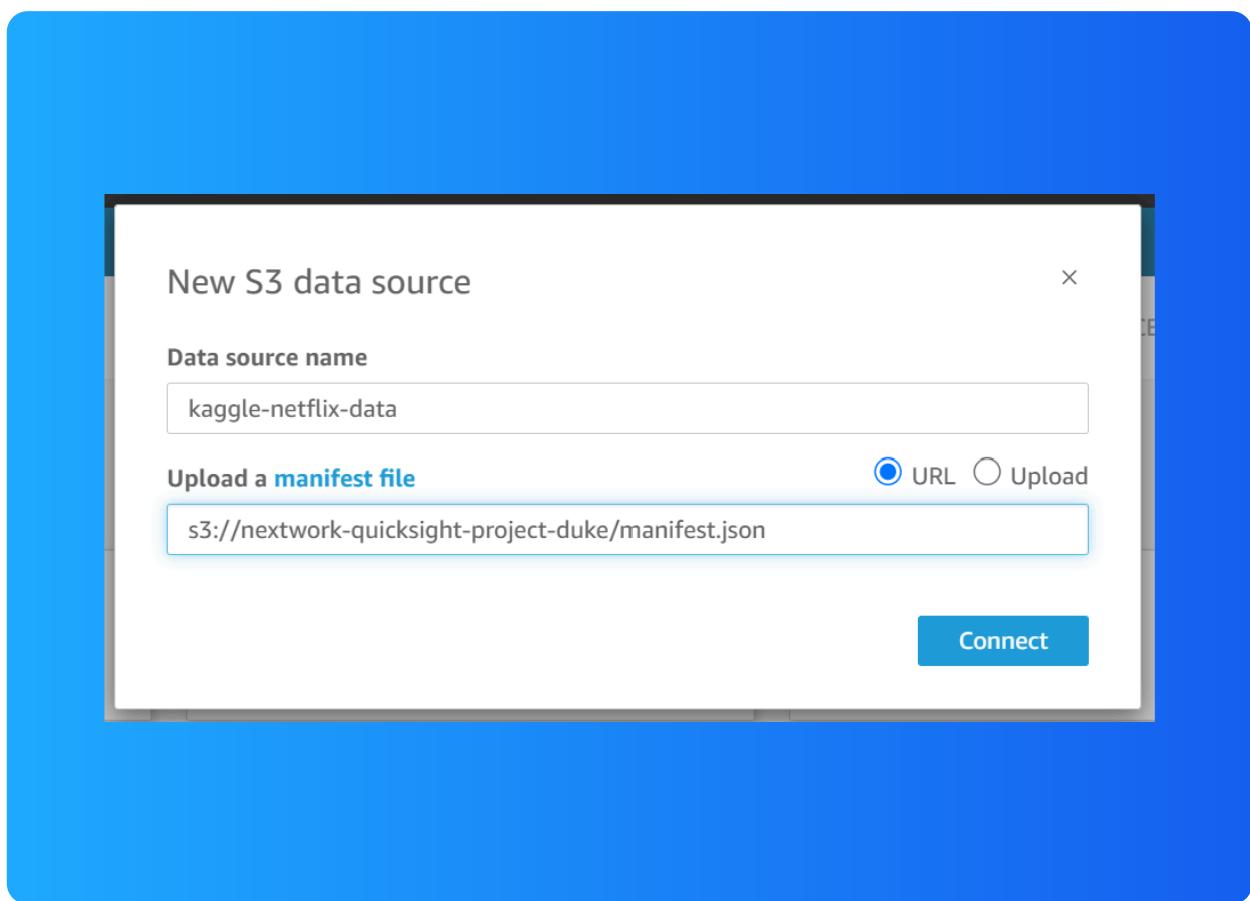




Download the Dataset

I connected the S3 bucket to Quicksight by visiting my s3 bucket and copying the manifest S3 URL. Specific access to that bucket is required for QuickSights to access that data.

The manifest.json file was important in this step because the manifest .json file acts like a map that tells QuickSights where my data lives and how to read it.





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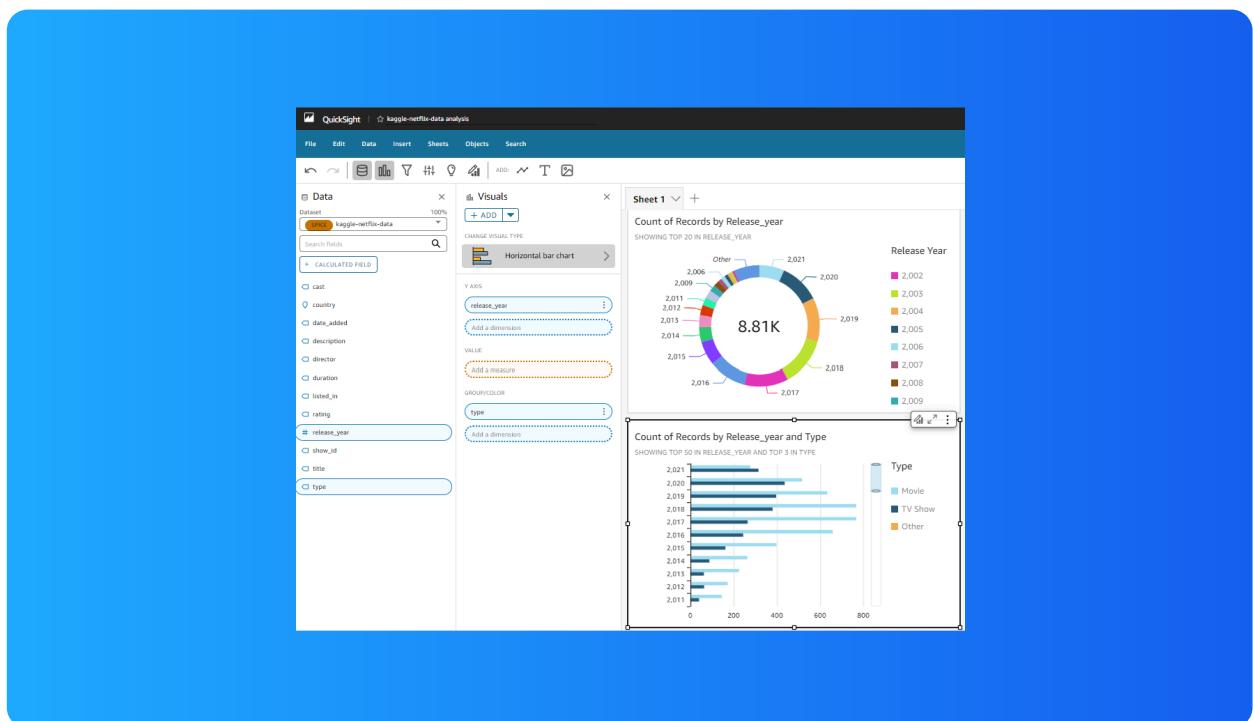
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My first visualization

To create visualizations on QuickSight, I dragged the column of my dataset I was interested in viewing into the canvas. I also selected the chart type I wanted. QuickSight applies these visuals on the data.

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

I created this graph by dragging and dropping the release year on the Y-axis and putting the movie type as the group variable.

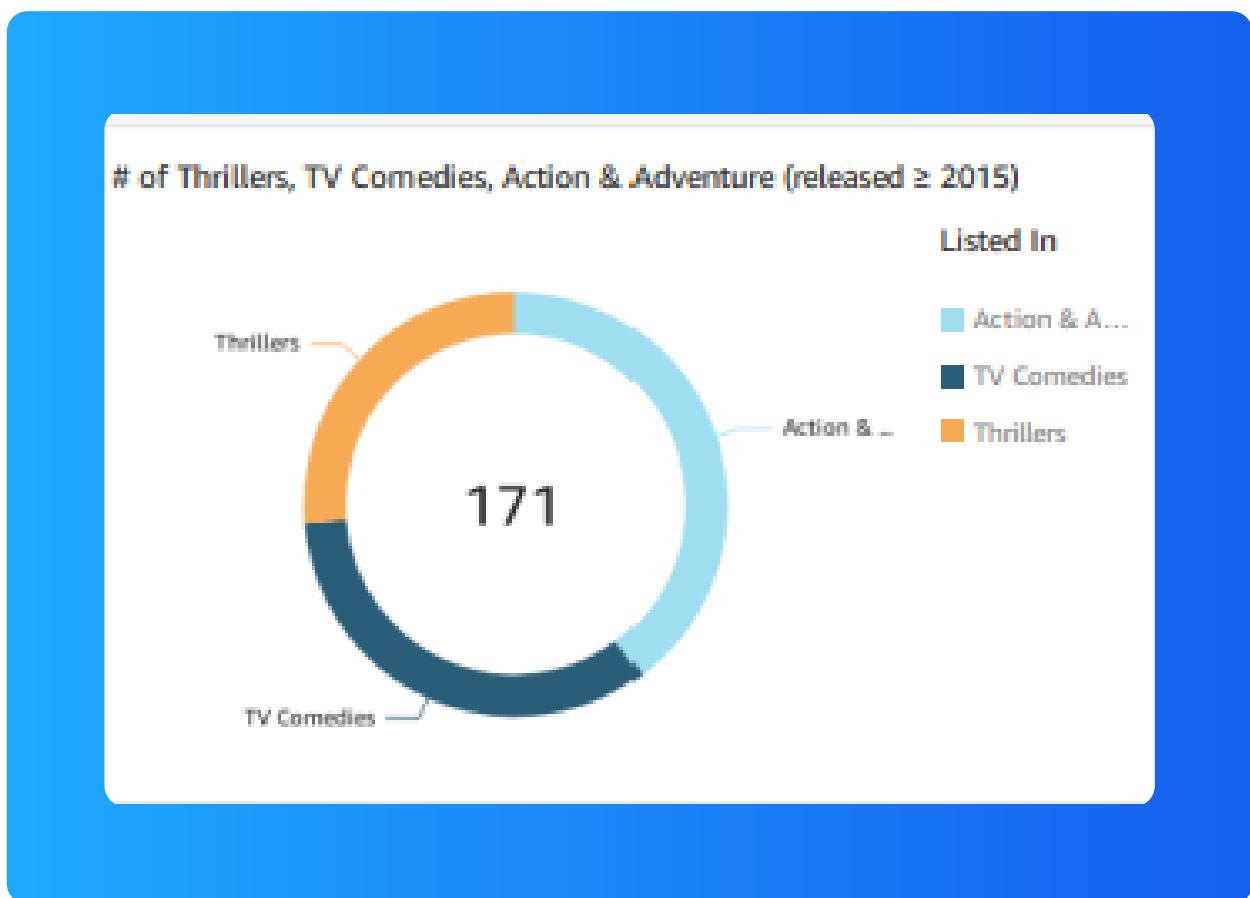




Using filters

Filters are useful for refining data views and tailoring visualizations to specific needs.

This visualization is a breakdown of # of Thrillers, TV Comedies, Action & Adventure. Here I added a filter by Release Year ≥ 2015 to select only the titles that were released during and after 2015.





Setting up a dashboard

As a finishing touch, I renamed the titles of each graph to give a reflection of the visualization that is being depicted.

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





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