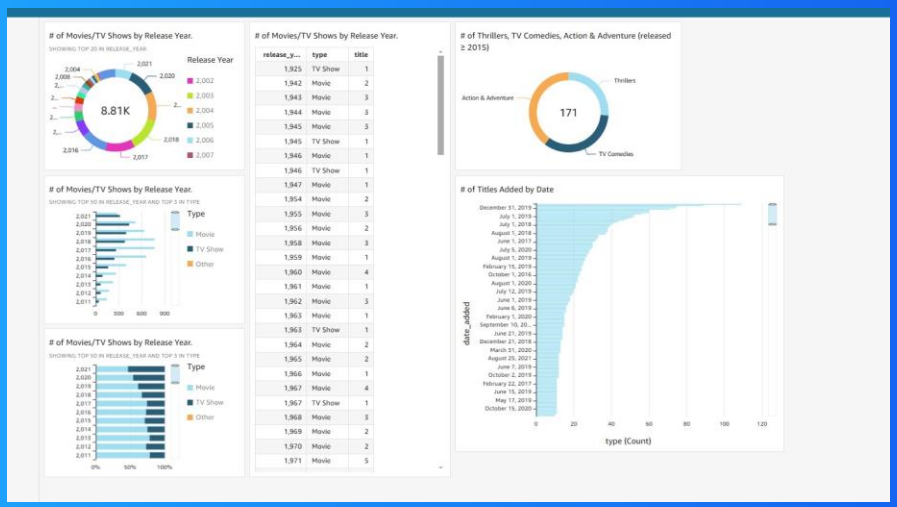
Visualize data with QuickSight

Maulik Patel



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based business intelligence service that allows users to create interactive visualizations and reports from their data.

How I used Amazon QuickSight in this project

In today’s project, I used Amazon QuickSight to showcase Netflix data by creating visualizations that highlight viewing trends and genre breakdowns.

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

One thing I didn't expect in this project was that some of the charts would be hard to understand. Despite having clear data, the visualizations became cluttered or lacked intuitive clarity, making it challenging to convey the insights effectively.

This project took me...

The project took me only one hour to complete, including data analysis and creating the visualizations.

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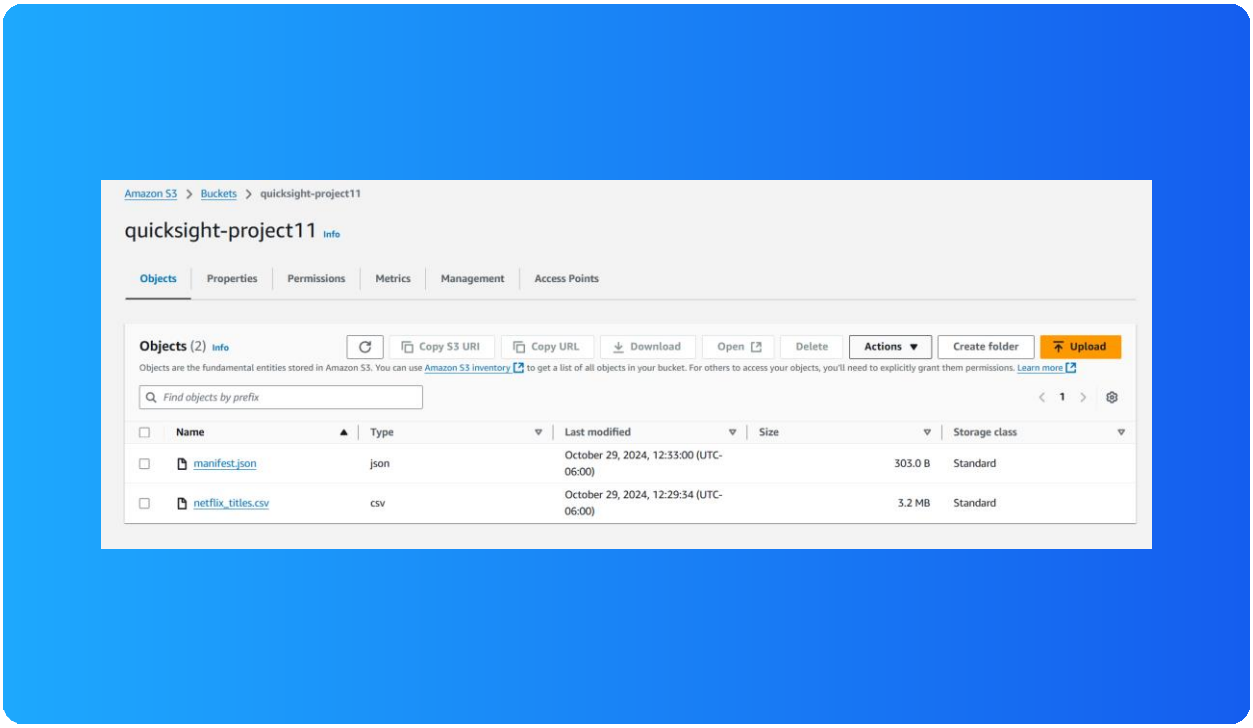
Upload project files into S3

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

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 It's important to edit this file because keeping an outdated s3 URI means that manifest.json would be directing to the wrong address.



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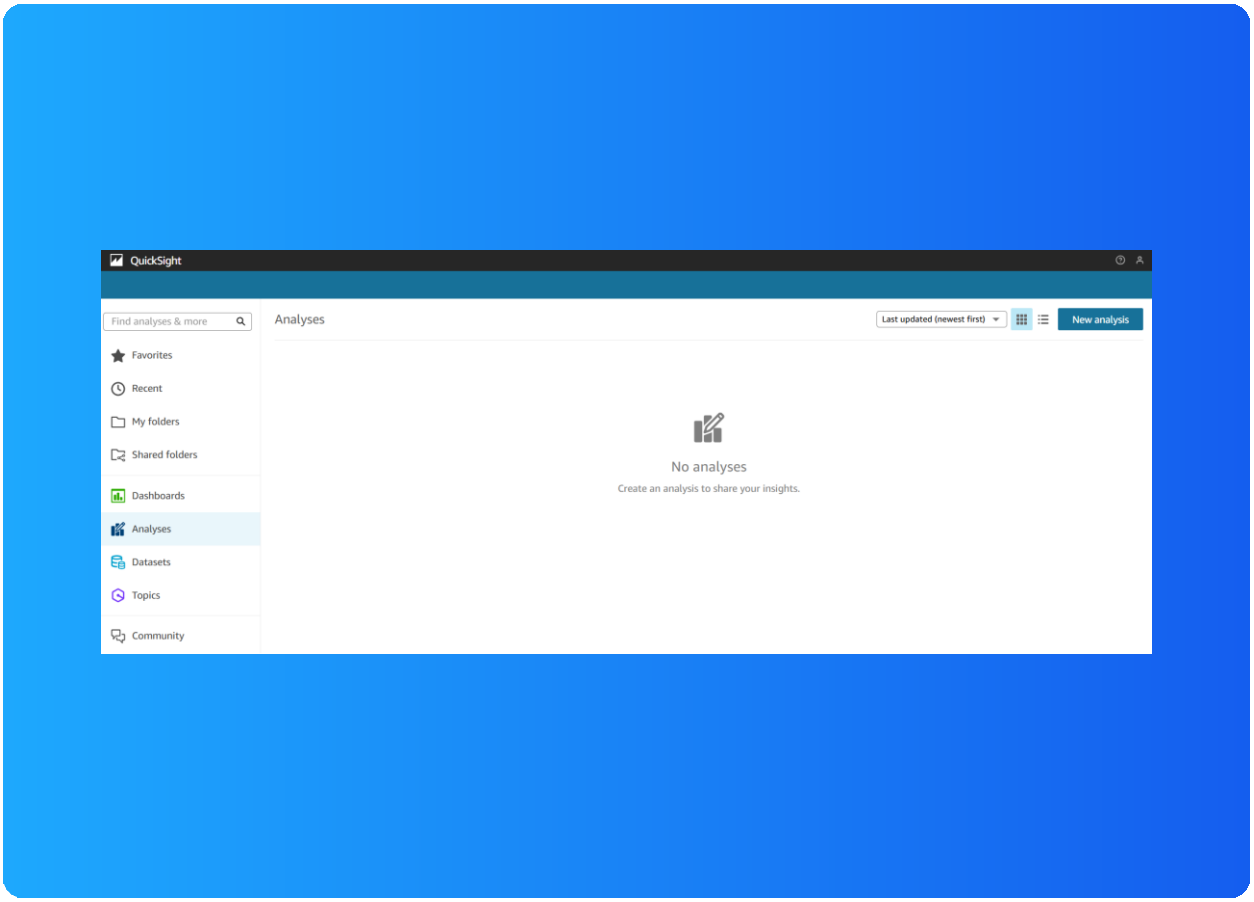
Create QuickSight account

Creating a QuickSight account cost is nothing, as it is free (Free trial 30 days).

Creating an account took me two minutes to set up and wait for account creation.



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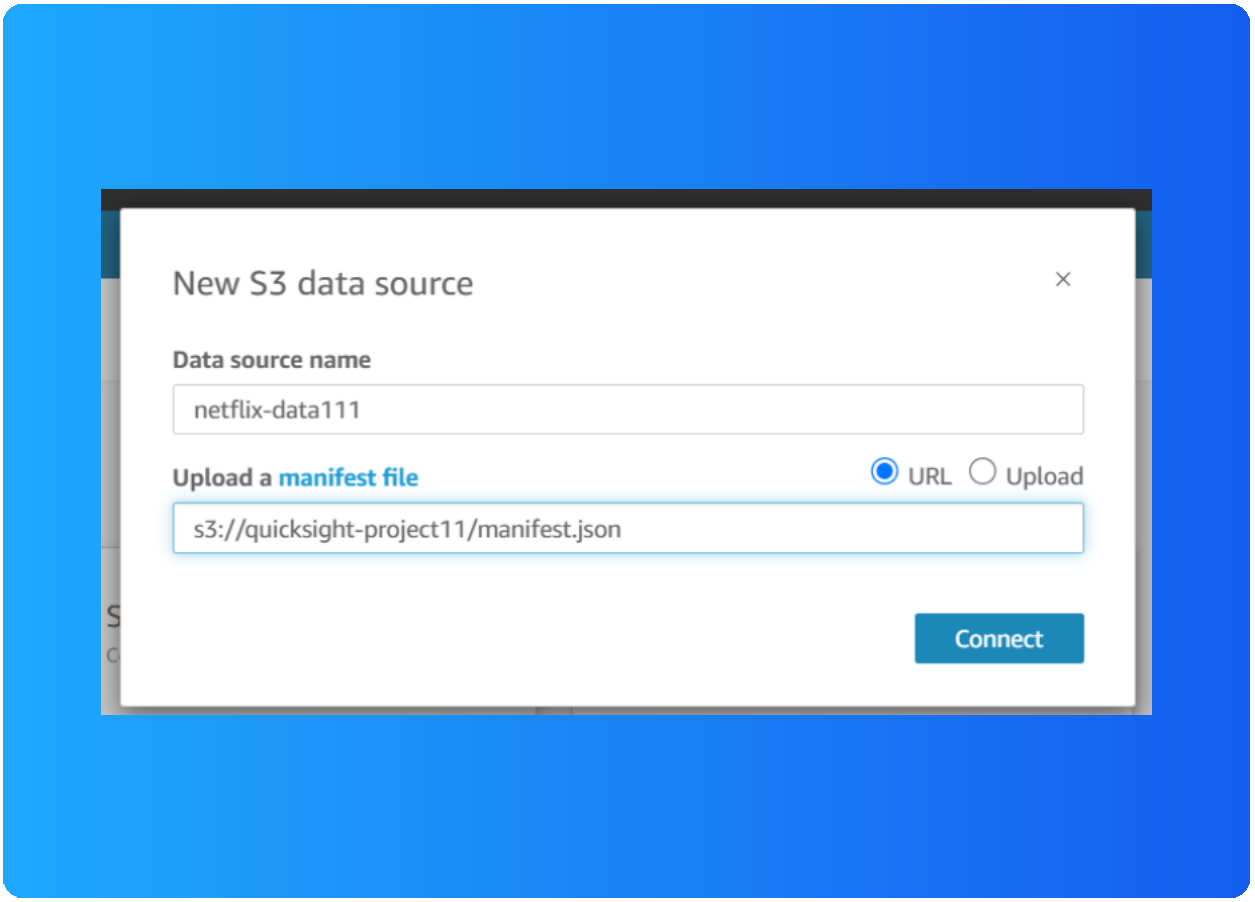
Download the Dataset

I connected the S3 bucket to QuickSight by visiting the Datasets page, selecting "New Dataset," and then choosing "S3" as the data source to configure the connection.

The manifest.json file was important in this step because it provided essential metadata about the data files in the S3 bucket, including their locations, formats, and schema definitions.



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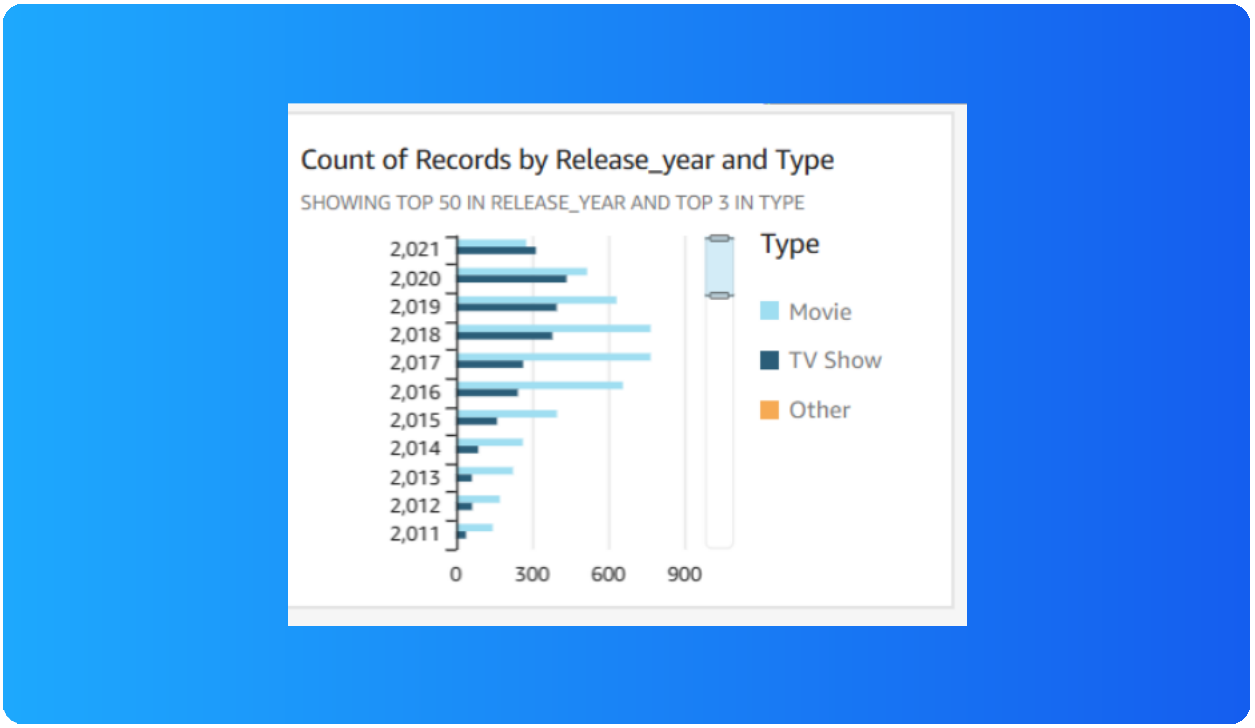
My first visualization

To create visualizations on QuickSight, I have to drag relevant field 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 putting the release year on the y-axis, and making the type the grouping variable.



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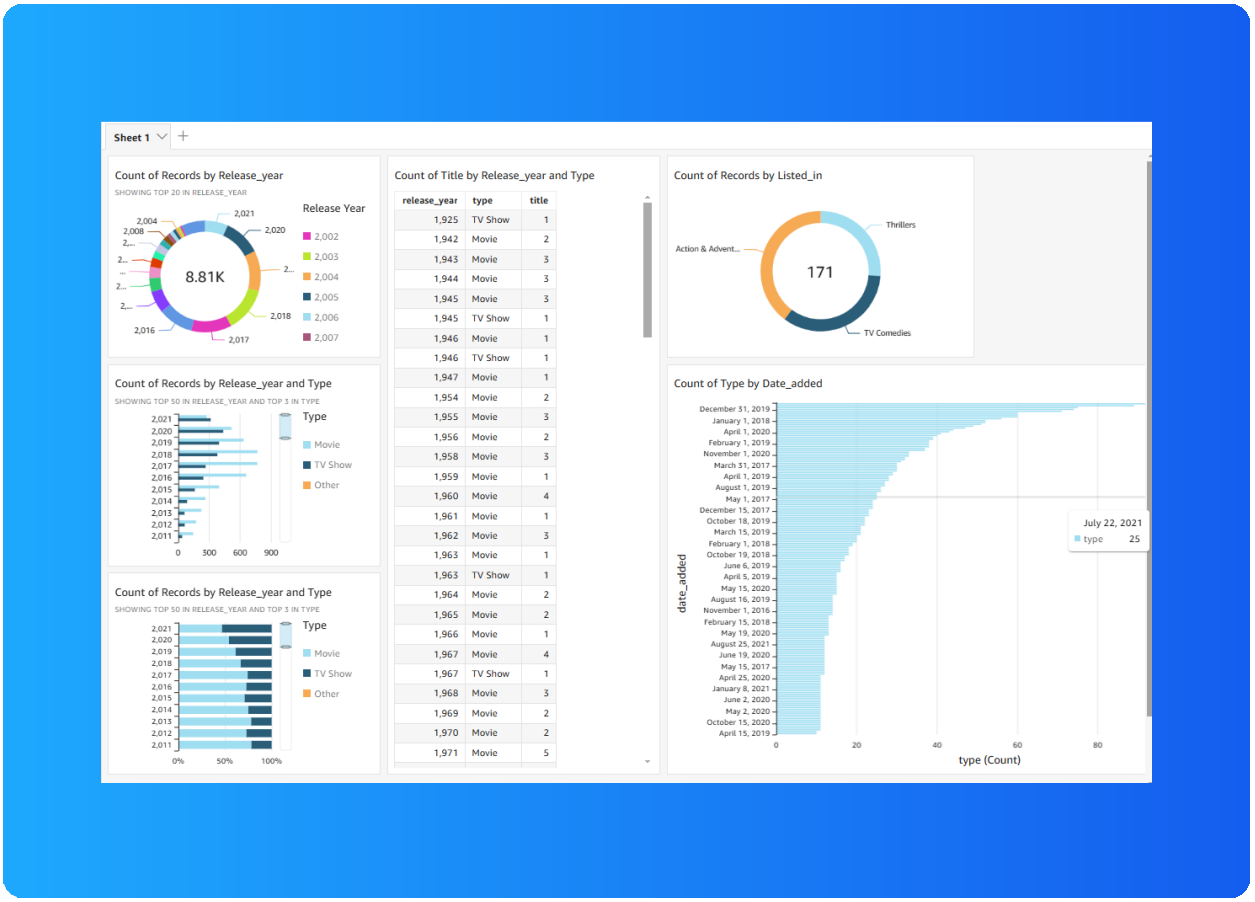
Using filters

Filters help specify the exact subset of data for analysis by excluding irrelevant information. This enables a more focused and relevant examination of the data displayed.

This visualization breaks down movies and TV shows, excluding those released in 2015. This filter allowed me to focus on the specified three genres released from 2015 onward.



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Setting up a dashboard

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

Did you know you could export your dashboard as PDFs too? I did this by publishing my dashboard, and using the export function