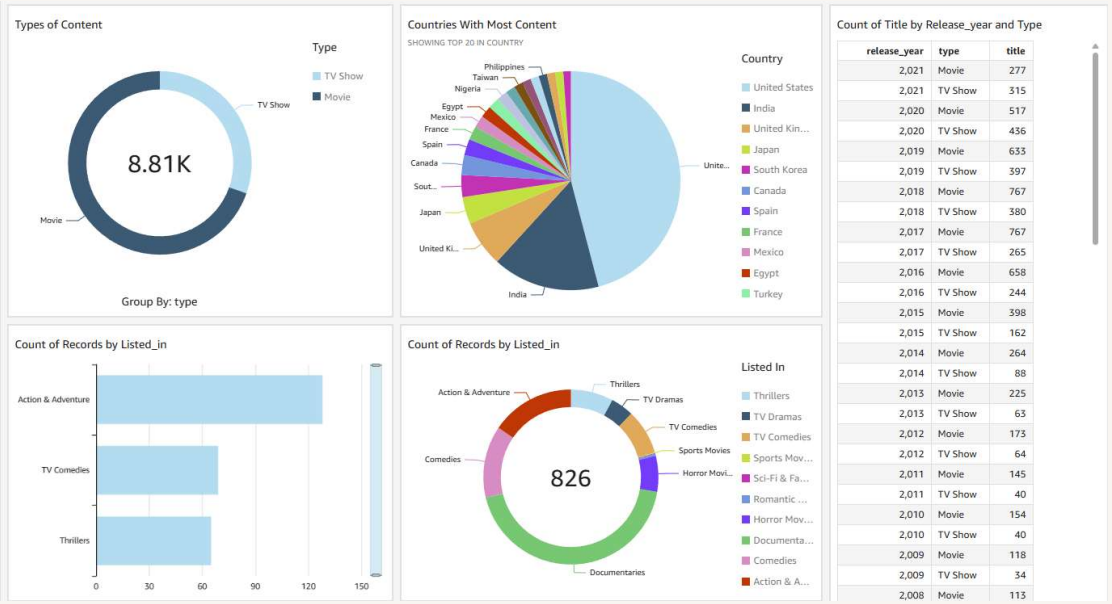
Visualize data with QuickSight

Shivam Rai



Shivam Rai
NextWork Student

Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based business intelligence (BI) service that allows users to create visualizations and dashboards to gain insights from data, and it's useful because it's easy to use, scalable, and supports various data sources.

How I used Amazon QuickSight in this project

I used AWS service to add the datasets and create visualisation dashboard out of it.

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

This being so easy.

This project took me...

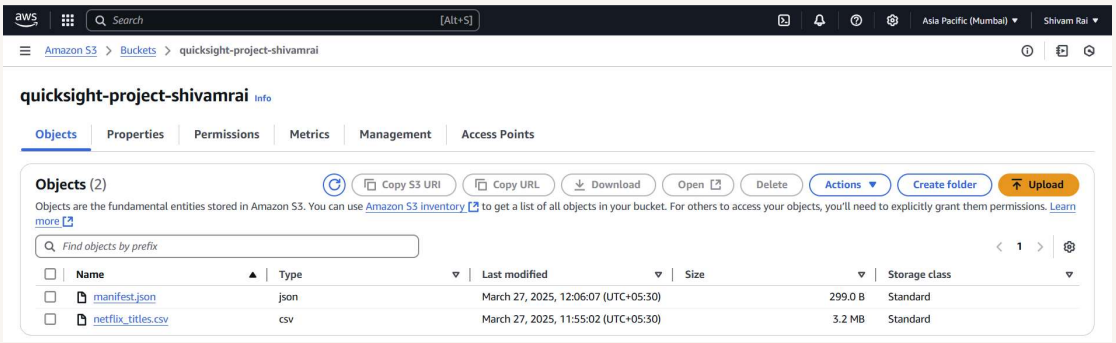
2 hours

Shivam Rai
NextWork Student

Upload project files into S3

S3 is used in this project to store my dataset of netflix titles and manifest.json file.

I edited the json file by updating the S3 URI of my dataset. It's important to edit this file because keeping the outdated S3 URI means that json file would be directing to the wrong address.



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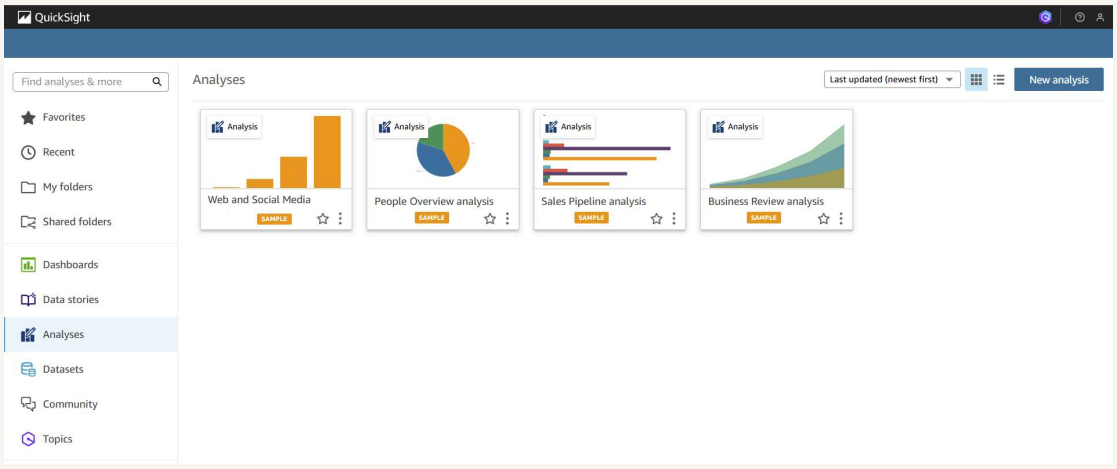
Create QuickSight account

It's free to make a Quicksight account (the free trial lasts for 30 days).

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



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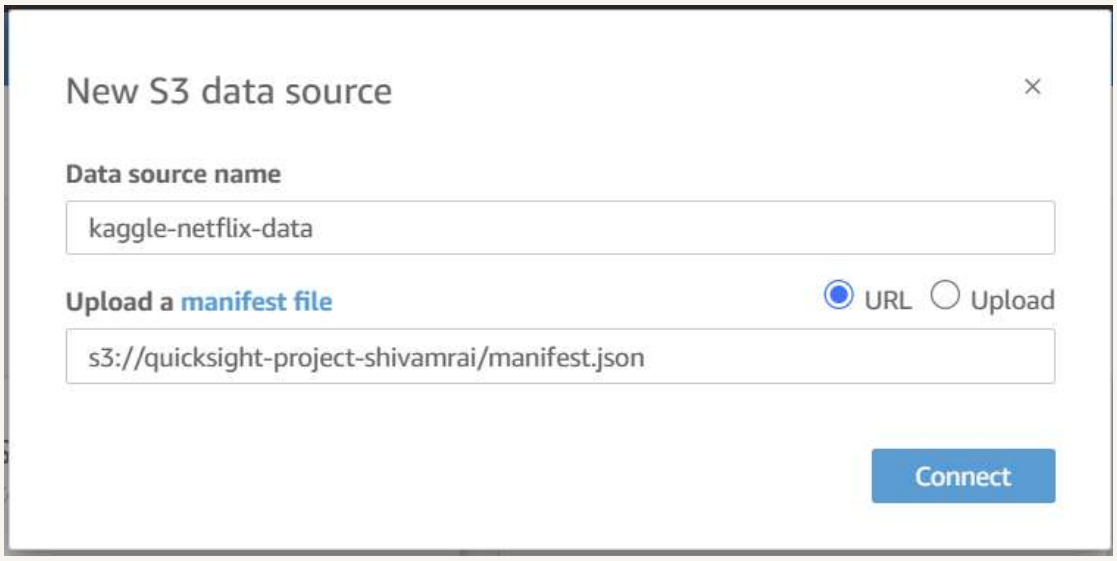
Download the Dataset

I connected the S3 bucket to QuickSight by visiting the available options to add source page

The manifest.json file was important in this step because it helped to guide the file towards right destination



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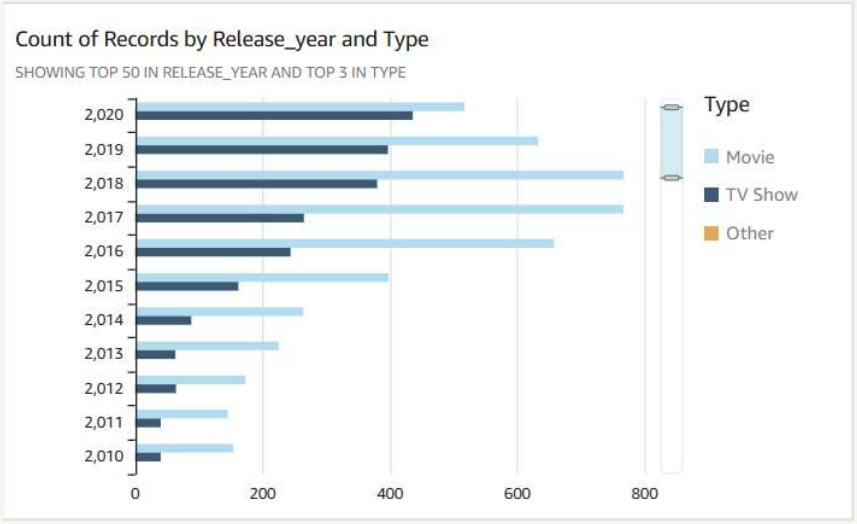
My first visualization

To create visualisation on QuickSight, you'll have to drag relevant field into the QuickSight dashboard's AutoGraph space.

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

I created this graph by dragging and dropping the release year on the y-axis and making the type on the grouping variable.



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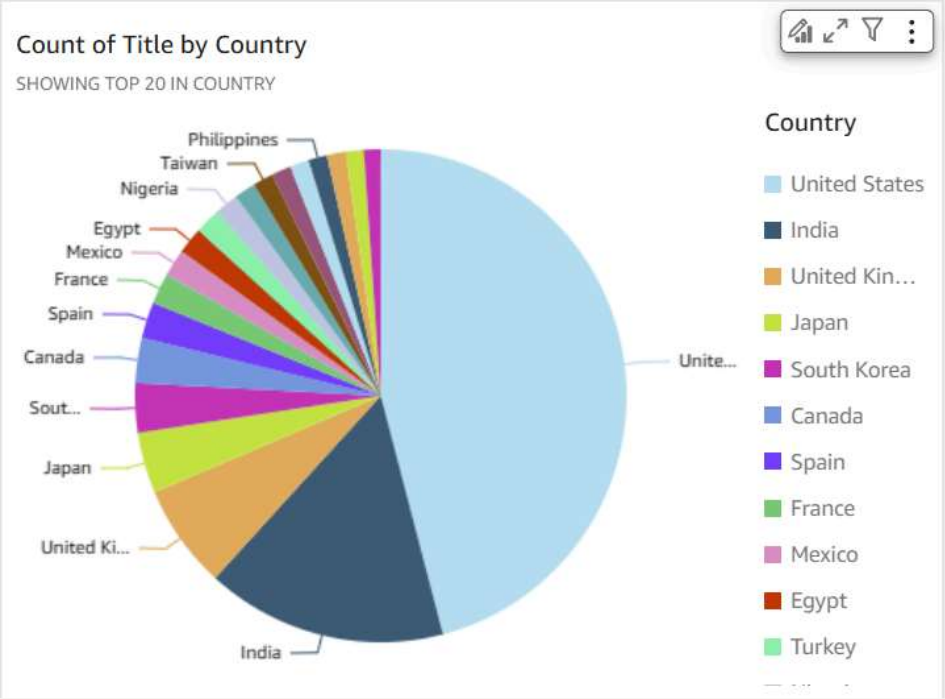
Using filters

Filters are useful for specifying the exact subset of data that I want to analyze effectively excluding any irrelevant data.

This visualization is a breakdown of countries with most number of content available on netflix. Here I added a filter by removing all the irrelevant data.



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Setting up a dashboard

As a finishing touch, I edited the titles of 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 exported using export function.