

Visualize data with QuickSight

TA

tarun.cl07@gmail.com



Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a tool in AWS that is used to visualize the data which are there in CSV format and make changes to the visuals as per our need by connecting the S3 bucket in this task

How I used Amazon QuickSight in this project

In today's project i used Amazon QuickSight for visualization of the dataset called Netflix_title_analysis by connecting the S3 bucket in which i have added the CSV file and JSON file into the bucket.

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

the one thing that i didn't expected in this project is that it felt so easy to do this project by the guidance of NextWork and at sometime it felt break in adding graphs and editing them but is gets easier.

This project took me...

This project took me nearly 2 hour 30 minutes as i took break but if we did it in single stretch it would have taken around 1 hour and 30 minutes only.....!

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 changing the uri because the old one URL was not aligned with the title of my bucket which i have created

The screenshot shows the AWS S3 console interface. At the top, there's a navigation bar with tabs: Objects (which is selected), Metadata, Properties, Permissions, Metrics, Management, and Access Points. Below the navigation bar, there's a toolbar with buttons for Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload. A message below the toolbar says: "Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)". There's also a search bar labeled "Find objects by prefix". The main area displays a table of objects:

| Name | Type | Last modified | Size | Storage class |
|---|------|---|---------|---------------|
| <input checked="" type="checkbox"/> manifest.json | json | February 21, 2025, 21:55:22 (UTC+05:30) | 301.0 B | Standard |
| <input type="checkbox"/> netflix_titles.csv | csv | February 21, 2025, 21:50:59 (UTC+05:30) | 3.2 MB | Standard |

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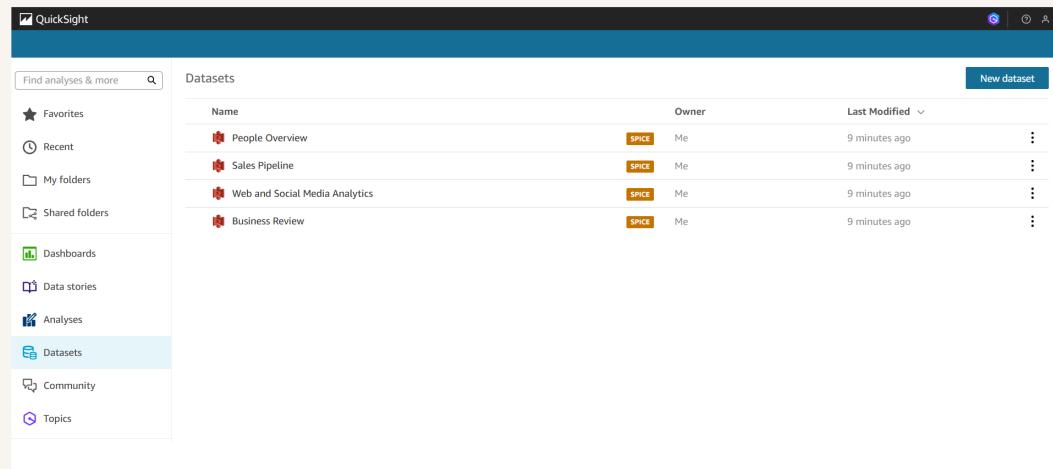
tarun.cl07@gmail.com
NextWork Student

NextWork.org

Create QuickSight account

Creating a QuickSight account cost me nothing because i deselected the option which was in the time of creating a account

Creating an account took me creating an account took me less than 5 minutes that's it.



The screenshot shows the QuickSight web interface. The left sidebar has a navigation menu with options like Favorites, Recent, My folders, Shared folders, Dashboards, Data stories, Analyses, Datasets (which is selected and highlighted in blue), Community, and Topics. The main content area is titled 'Datasets' and lists four datasets: 'People Overview', 'Sales Pipeline', 'Web and Social Media Analytics', and 'Business Review'. Each dataset entry includes a small icon, the name, the owner (SPICE or Me), and the last modified time (9 minutes ago). There is also a 'New dataset' button at the top right of the list.

| Name | Owner | Last Modified |
|--------------------------------|-------|---------------|
| People Overview | SPICE | 9 minutes ago |
| Sales Pipeline | SPICE | 9 minutes ago |
| Web and Social Media Analytics | SPICE | 9 minutes ago |
| Business Review | SPICE | 9 minutes ago |

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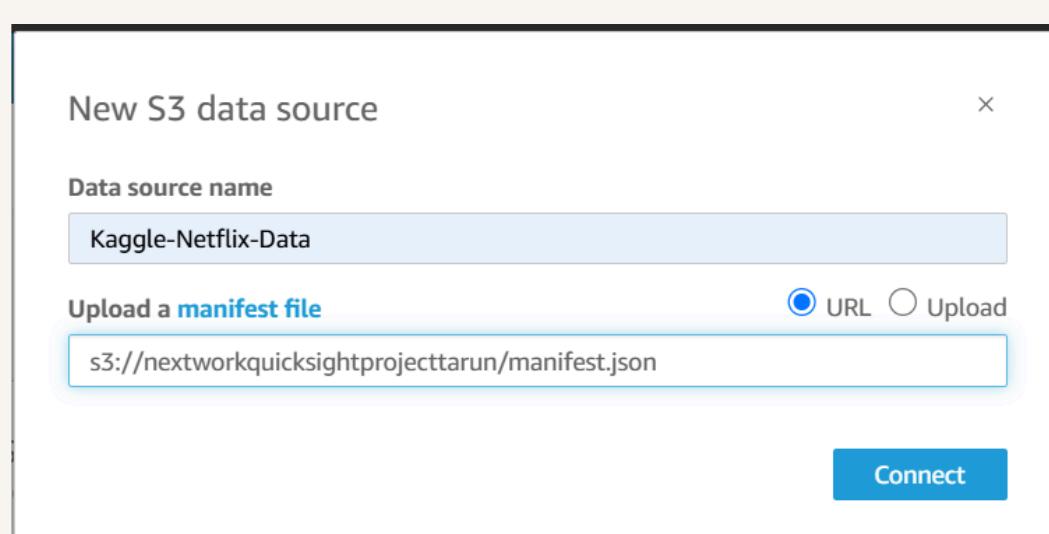
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Download the Dataset

I connected the S3 bucket to QuickSight by visiting the create tab then S3 page

The manifest.json file was important in this step because it tells the Quicksight how our dataset looks like and how to understand the data and show it in charts or graphs.

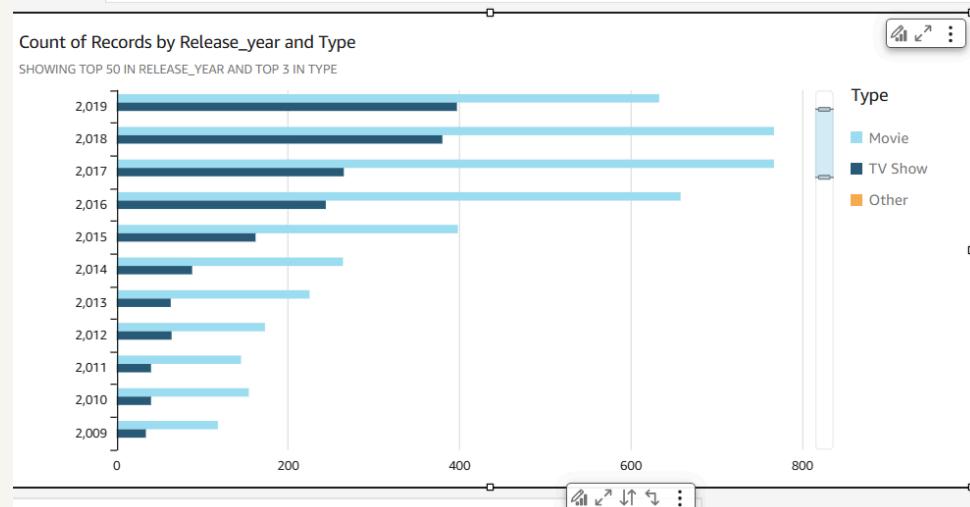


My first visualization

To create visualizations on QuickSight i just select a visualize button and drag the buttons that are relevant to my needs.

The chart/graph shown here is a breakdown of netflix datasets by year that are by movies or tv shows by release date

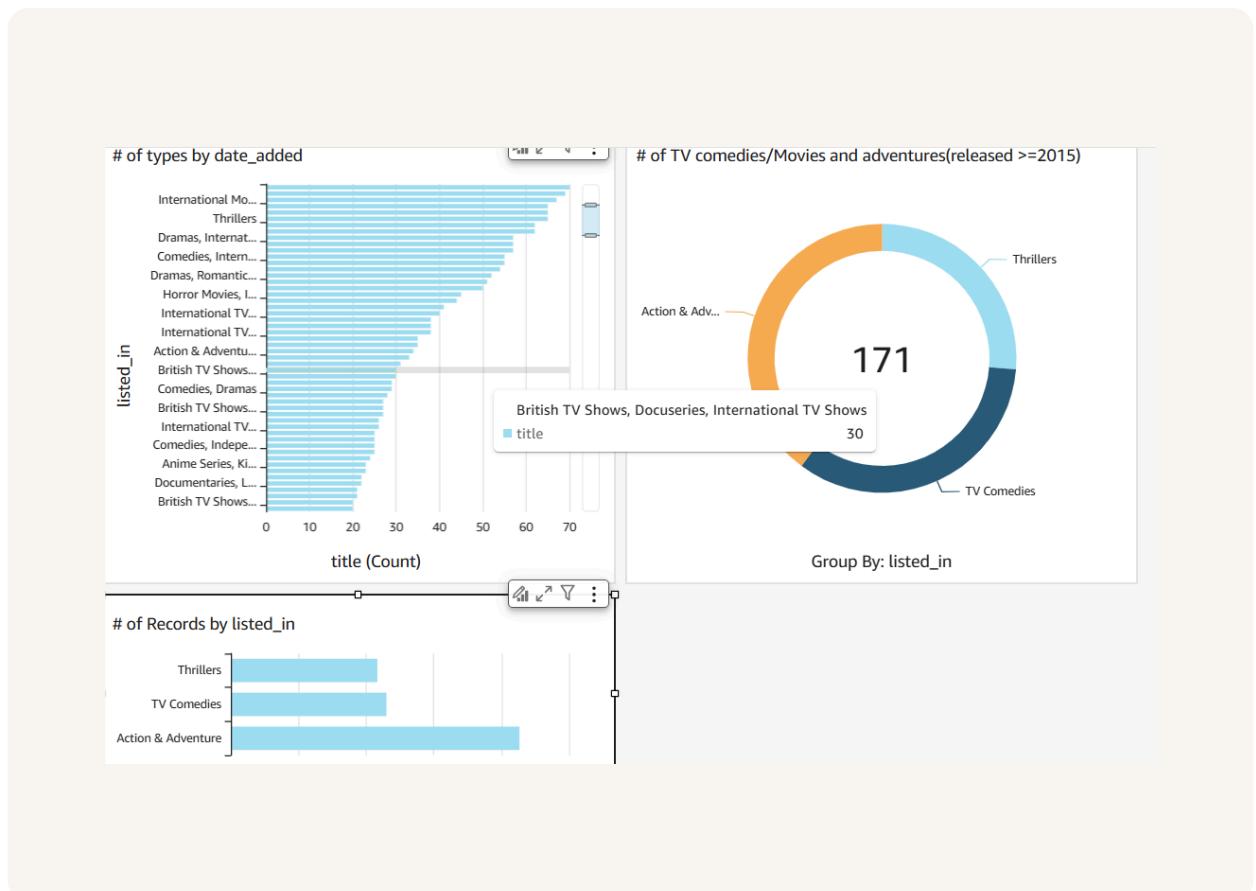
I created this graph by dragging and dropping the Listed_in and count buttons



Using filters

Filters are useful for creating the visuals or graphs and charts as per our desired visuals

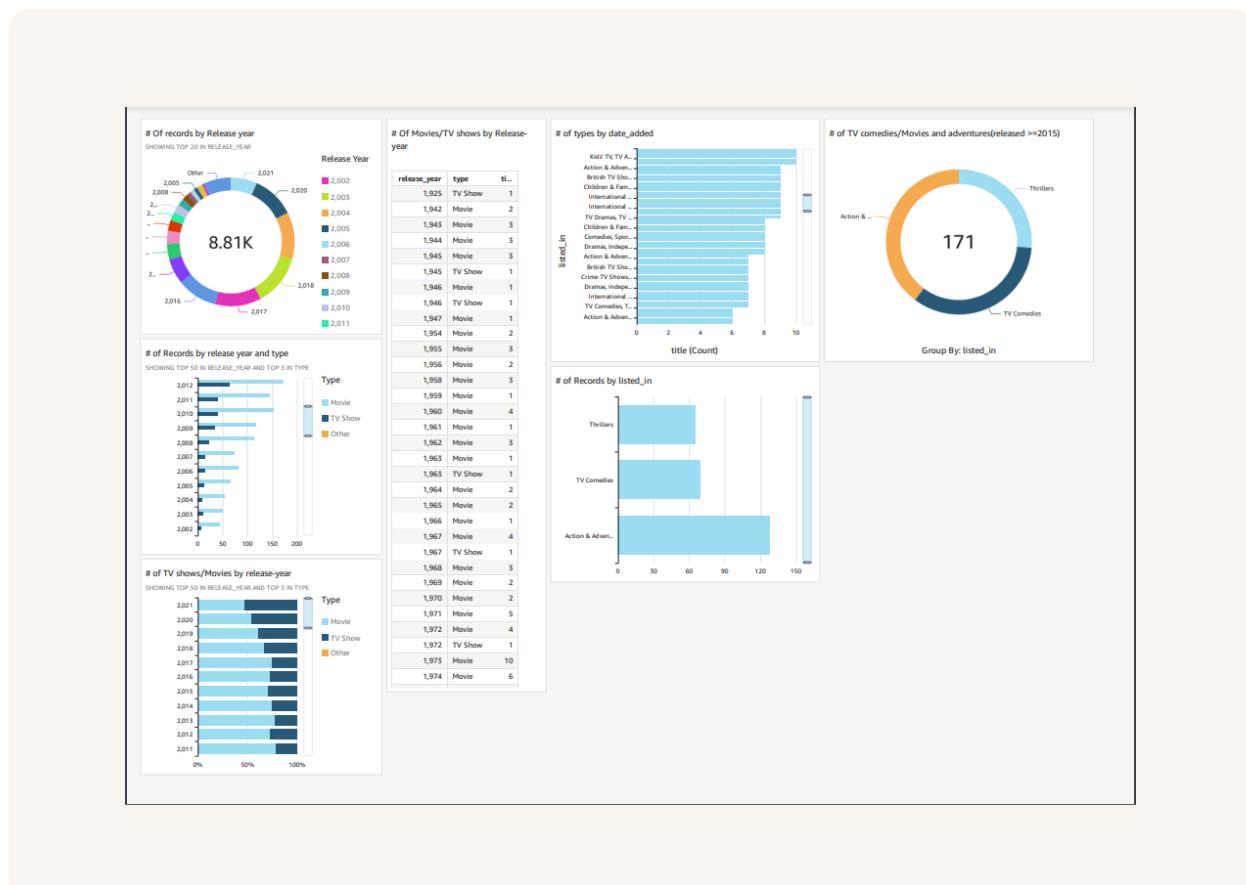
This visualization is a breakdown of all the charts that are to be added and visualized here i added a filter by selecting the graph which i have to modify and select the filter after adding the disired fields and change the filter to anything.



Setting up a dashboard

As a finishing touch, I did publish the visualization and downloaded the visuals for my reference.

Did you know you could export your dashboard as PDFs too? I did this by selecting the export tab and selected the generate PDF option.





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