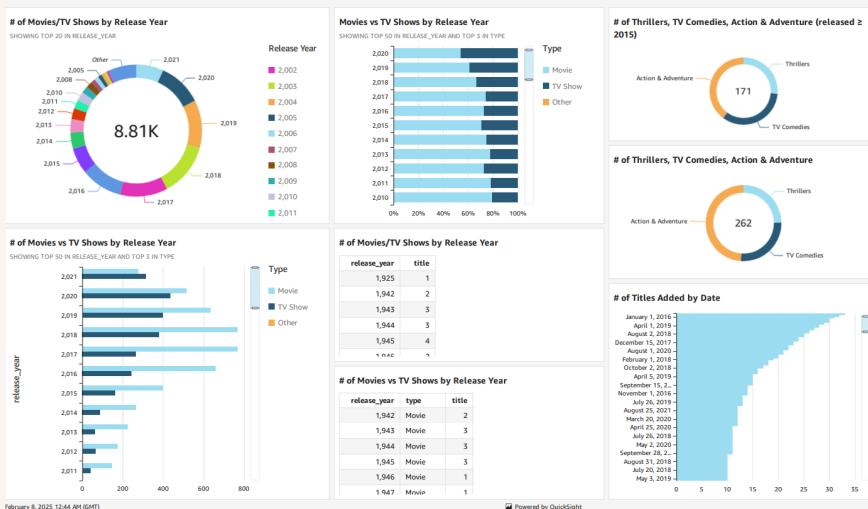




# Visualize data with QuickSight



Naga Akhila Janapati



# Introducing Today's Project!

## What is Amazon QuickSight?

Amazon QuickSight is a scalable business intelligence (BI) service that helps you visualize and analyze your data. It's useful because it allows quick, interactive dashboards, easy sharing, and integrates seamlessly with AWS data, making insights acc

## How I used Amazon QuickSight in this project

In today's project,I used Amazon QuickSight to build interactive dashboards from data in S3. It made analyzing and visualizing data super quick and sharing insights with the team was a breeze,helping everyone make better decisions fast!

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

One thing I didn't expect in this project was how seamlessly Amazon QuickSight could integrate with our existing AWS data sources. It made the process of creating dashboards and visualizing data so much smoother than I anticipated!

## This project took me...

It took me around 40 minutes to complete the project from the start.



# Upload project files into S3

S3 is used in this project to store two files, which are manifest.json and netflix\_titles.csv files.

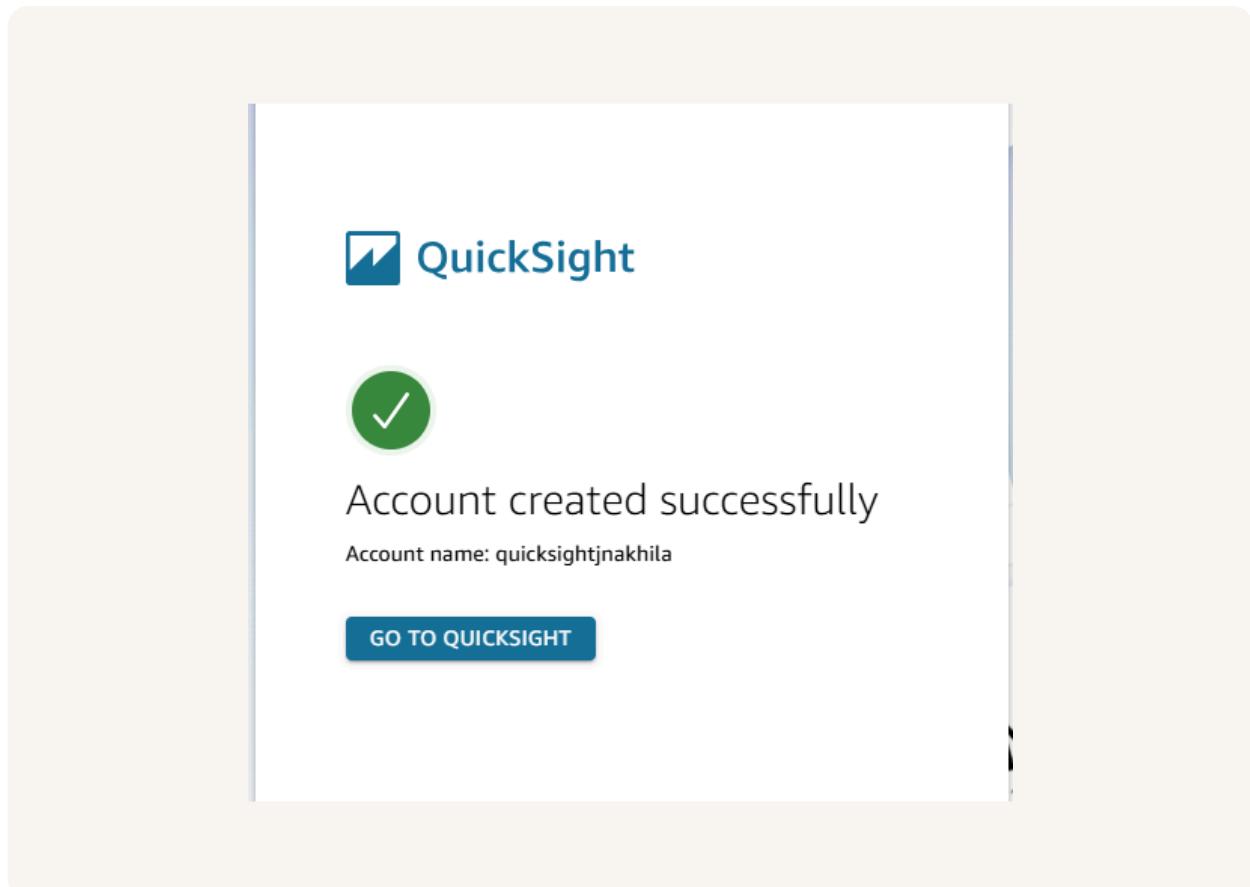
I edited the manifest.json file by updating the URL to point to the S3 bucket where my dataset is stored. It's important to edit this file because it ensures the dataset is correctly linked, allowing the application or service to access and use the u

Name	Type	Last modified	Size	Storage class
manifest.json	json	February 7, 2025, 17:28:11 (UTC-06:00)	308.0 B	Standard
netflix_titles.csv	csv	February 7, 2025, 17:28:11 (UTC-06:00)	3.2 MB	Standard

# Create QuickSight account

Creating a QuickSight account costs money, but AWS offers a free trial for new users. After the trial, pricing is based on user type (Standard or Enterprise) and usage, including data queries and dashboards viewed.

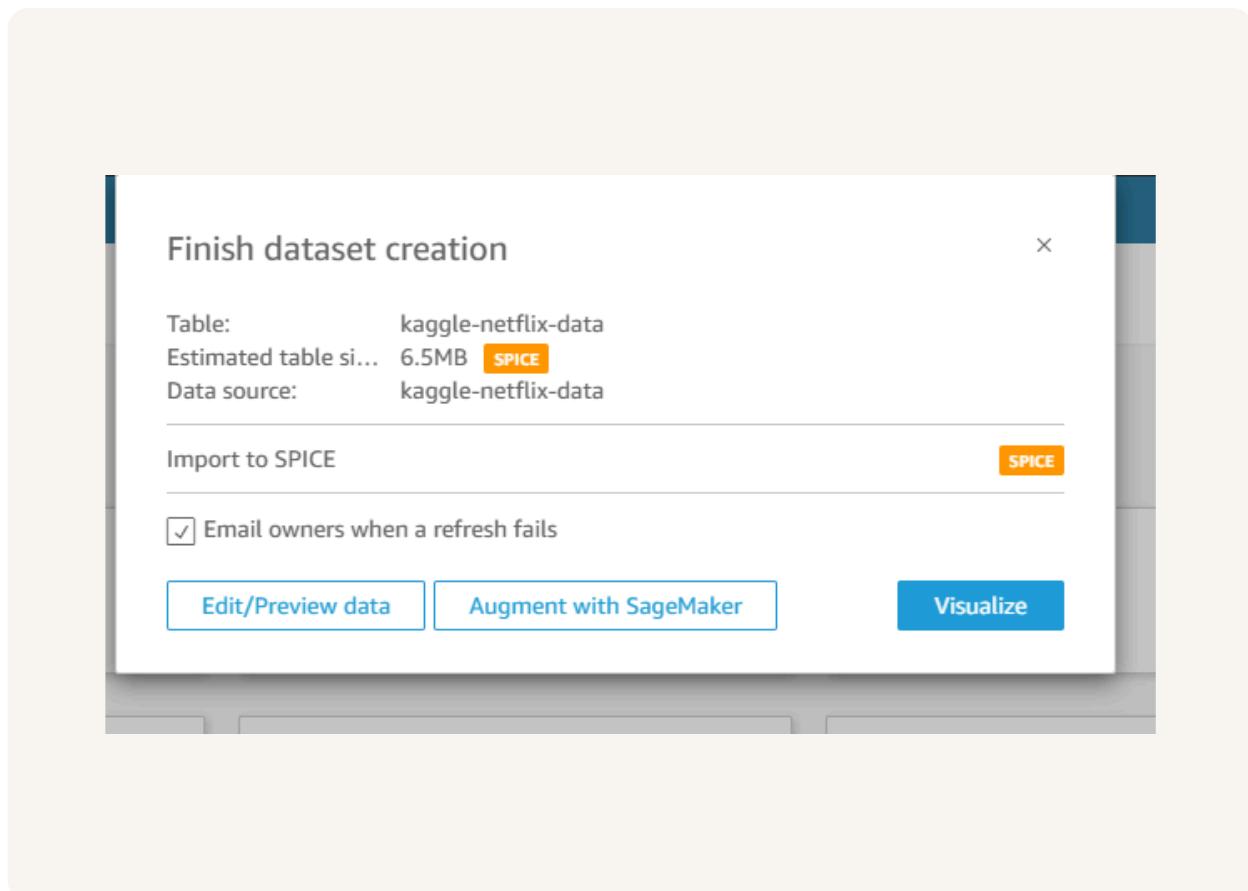
Creating an account took me only a few minutes. I signed in to AWS, selected QuickSight, chose a subscription plan, configured settings, and completed the setup.



# Download the Dataset

I connected the S3 bucket to QuickSight by visiting the "Data Sets" page, choosing Amazon S3, and entering the S3 URL of manifest.json file to link my dataset for analysis.

The manifest.json file was important in this step because it tells QuickSight how to interpret the dataset from S3. It defines the data structure, file locations, and format, ensuring QuickSight correctly processes and visualizes the data.

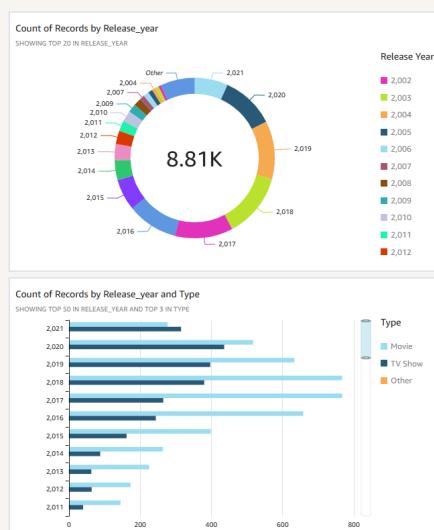


# My first visualization

To create visualizations on QuickSight, I connected my dataset, selected a chart type, and dragged fields onto the visual canvas. I then customized the visuals by adjusting filters, aggregations, and formatting to better analyze the data.

The donut chart shown here is a breakdown of the number of shows released in each year, and the horizontal bar chart is a breakdown of TV shows vs Movies for every year.

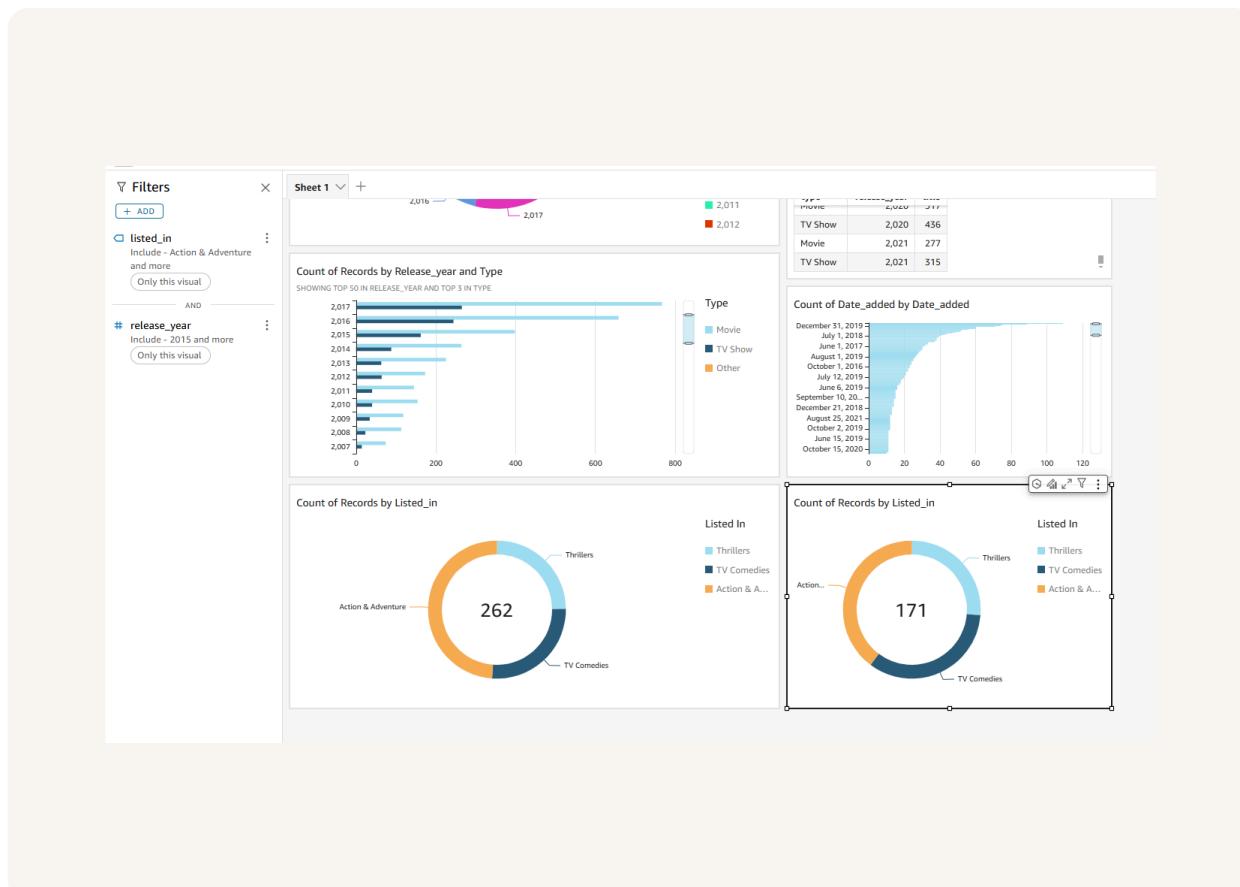
I created the chart by dragging and dropping the release year to the Y-axis and the bar graph by dragging and dropping the release\_year to the Y Axis and type label to the Group/Color.



# Using filters

Filters are useful for narrowing down data to focus on specific insights, removing irrelevant information, and making visualizations more meaningful. They help refine analysis by showing only the data that matters.

This visualization is a breakdown of records by release year, type, date added, and categories. Here, I added a filter by "Listed\_in" to show genres like Thrillers, TV Comedies, and Action & Adventure. The charts highlight content distribution trends



# Setting up a dashboard

As a finishing touch, I reviewed all visualizations for accuracy, adjusted colors and labels for clarity, ensured filters worked correctly and resized charts for clean layout. Finally, I added a title and verified dataset connections before publish.

Did you know you could export your dashboard as PDFs too? I did this by clicking on export on top right side and downloaded the file when its ready.





NextWork.org

# Everyone should be in a job they love.

Check out nextwork.org for  
more projects

