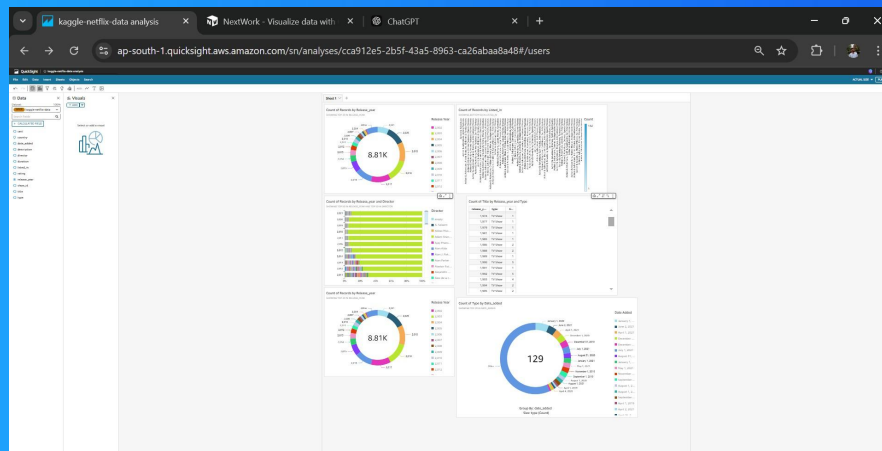# Visualize data with QuickSight

Dilan Rodrigues

Caysus Dilan Rodrigues

Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based business intelligence (BI) service offered by AWS. It allows users to easily create and publish interactive dashboards that include visualizations, charts, and reports.

How I used Amazon QuickSight in this project

I used Amazon QuickSight to create an interactive dashboard for visualizing project data, integrating it with AWS S3 and Athena for seamless querying. The dashboard provides real-time insights, trends analysis, and supports sharing with stakeholders

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

I didn't expect the data integration step to be so seamless with Amazon QuickSight. Using Athena to query large datasets directly from S3 made it much faster and easier than anticipated, especially when handling complex joins and filters.

This project took me...
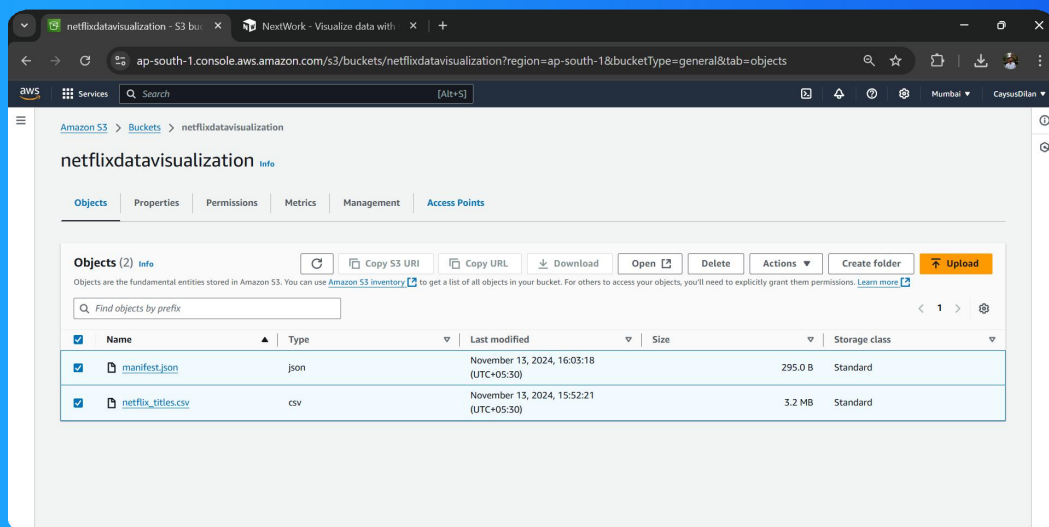
It took me round 30 minutes.

Caysus Dilan Rodrigues

Upload project files into S3

S3 us used in this project to store two files, which are netflix_titles.csv and manifest.json files.

I edited the manifest.json file by copying the s3 bucket uri and pasting it in the manifest.json file. Its important to edit this file because it is helpful in linking the the manifest.json file to the netflix_titles.csv file
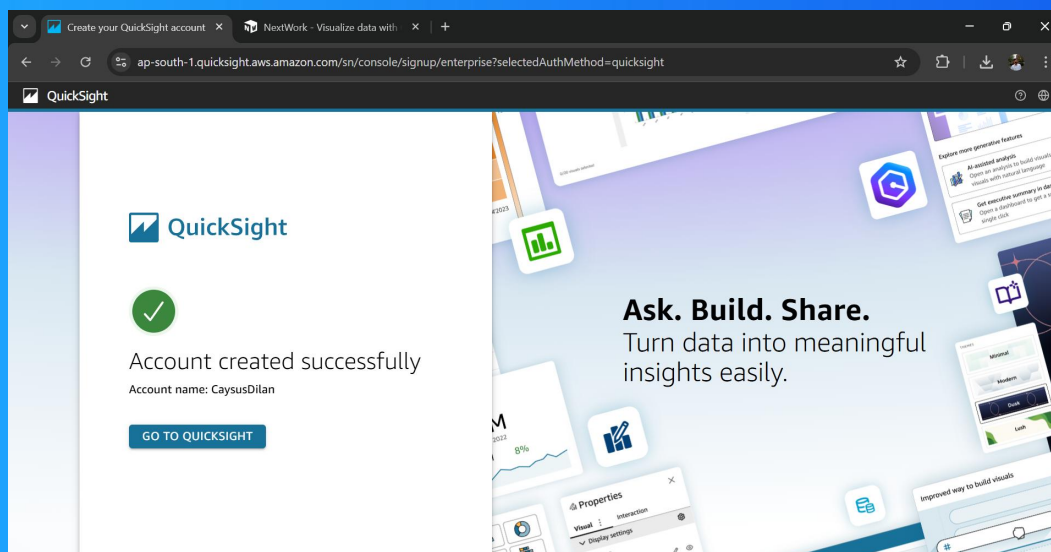
Caysus Dilan Rodrigues

Create QuickSight account

Creating a Quicksight account cost os free. The free tial lasts for 30 days.

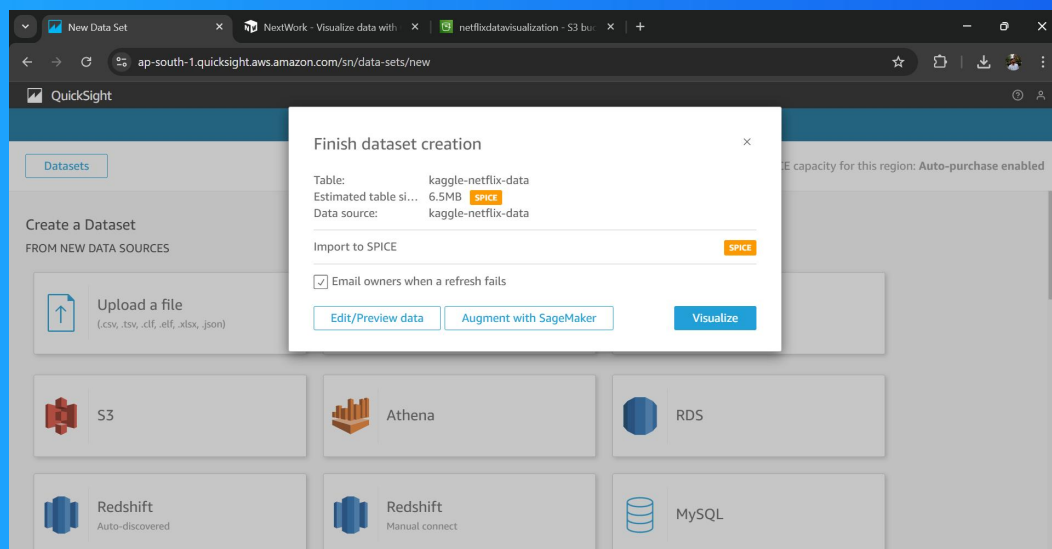It took 2 minutes to set up and account creation - pretty fast!

Caysus Dilan Rodrigues

Download the Dataset

I connected the S3 bucket to QuickSight by visiting the s3 bucket I created earlier , select the manifest.json file click on coppy s3 uri and paste in the quicksight dataset linking page.

he manifest.json file was important in this step because manifest.json tells QuickSight what your dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs. Without this map, QuickSight might get confused and
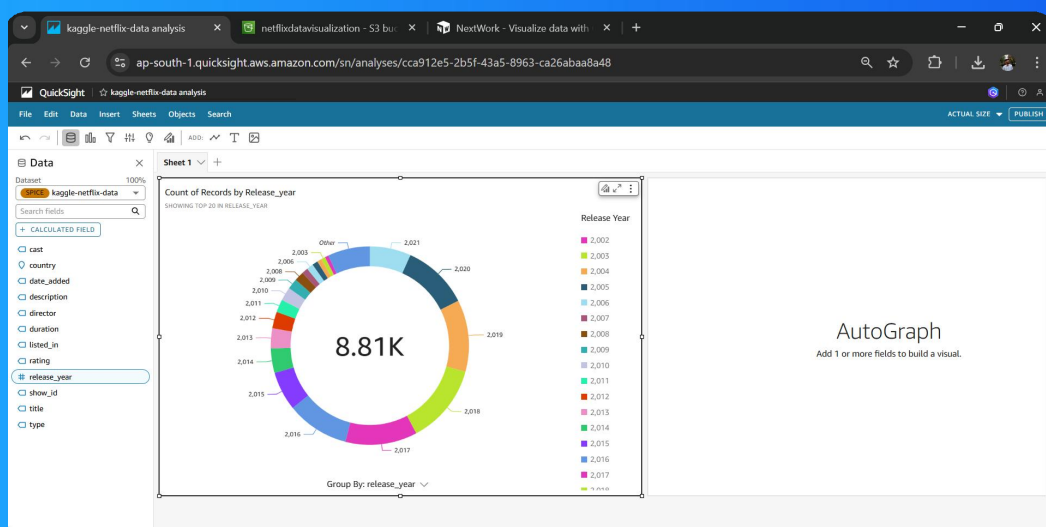
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My first visualization

To create visualizations on QuickSight, I have to drag relevent fields into the Quicksight dashboard's AutoGraph space.

The chart/graph shown here is a breakdown of all the release years of the shows on netflix. The graph i have used is a Donut Chart.

I created this graph by dragging and dropping the release_year field to the y axis of the visual section. Autimatically it gave me the count of the shows released every year from 1925 tp 2021.
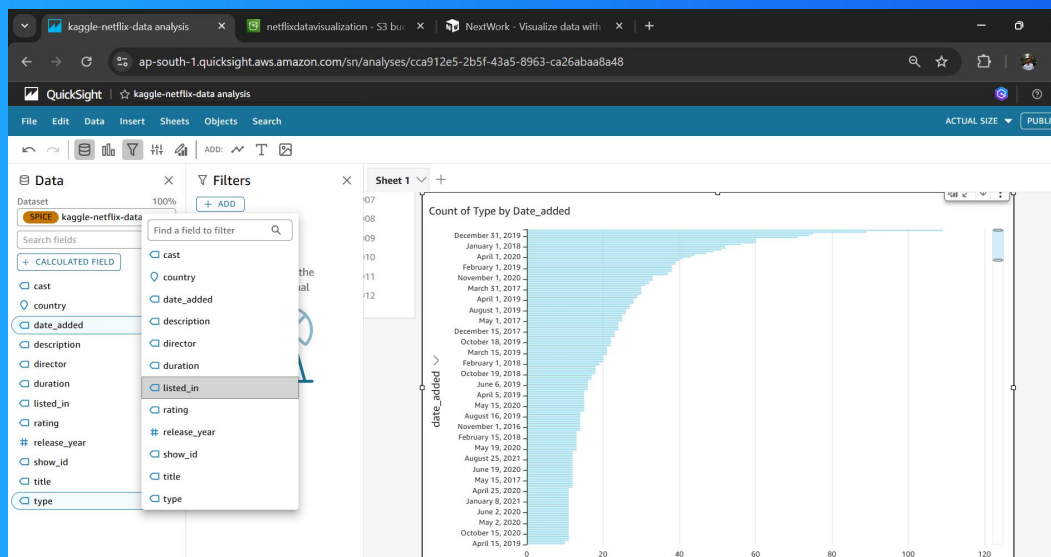
Caysus Dilan Rodrigues

Using filters

Filters are useful for specifying the exact subset of data that you want to analyse - effectively excluding any irrelevant data.

This visualization is a breakdown of total count of the content by date it was added . Here I added a filter by selecting the desired type of data i wanted to visualise

CaysusDilan Rodrigues

Setting up a dashboard

As a finishing touch, I edited the titles in my charts so that anyone can understand them at a glance.

Did you know you could export your dashboard as PDFs too? I did this by going on to the top right hand corner, select Publish. This will make your dashboard public so you can share it with your data . Then name your data and click export.