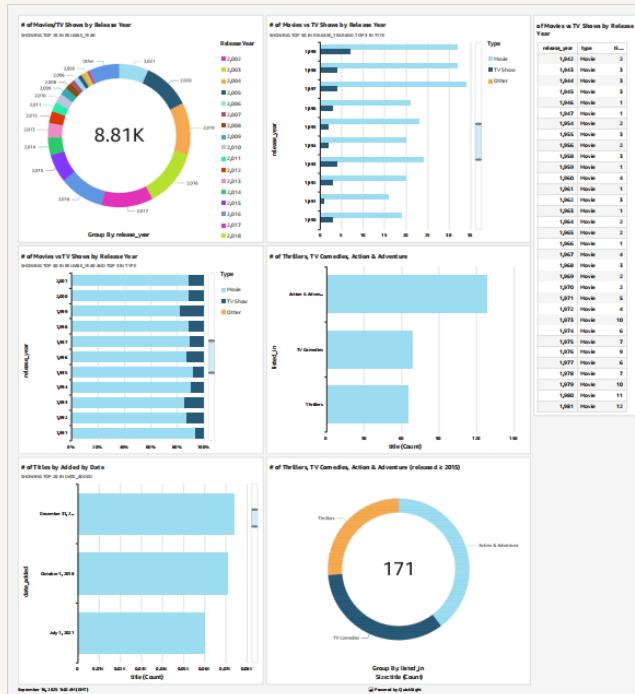




# Visualize data with QuickSight

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Okoye chiamaka Rachael



# Introducing Today's Project!

In this project, I will demonstrate how to use Amazon Quicksight to analyze Netflix data. I'm doing this project to learn how to use cloud services for data analysis and to create a stunning dashboard of graphs and visualisation

## Tools and concepts

Services I used were QuickSight and S3. Key concepts I learnt include manifest.json files, data visualization techniques (eg; charts, filters) and how to perform data refresh in QuickSight

## Project reflection

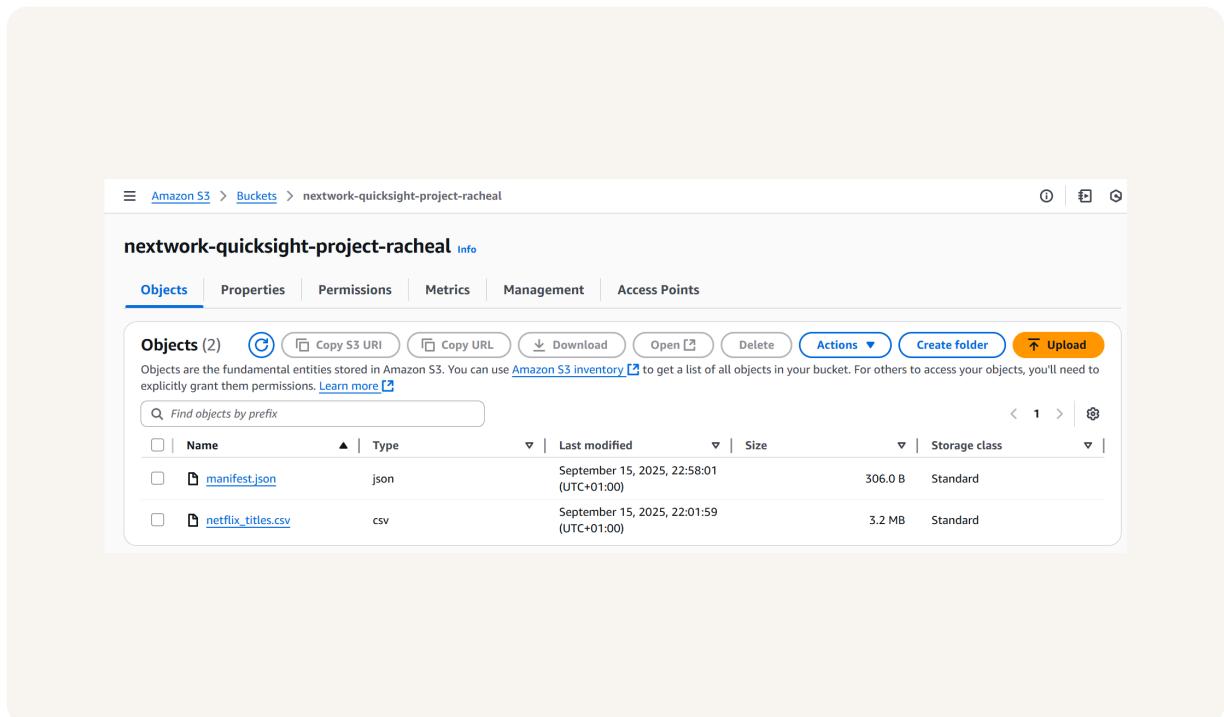
This project took me approximately 15 hours. The most challenging part was creating QuickSight account and how manifest.json works. It was most rewarding to set up the QuickSight carefully and finish the dashboard.

After this project, I plan to work on day 3 of AWS Beginner Challenge. I will start this project on tomorrow.

# Upload project files into S3

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

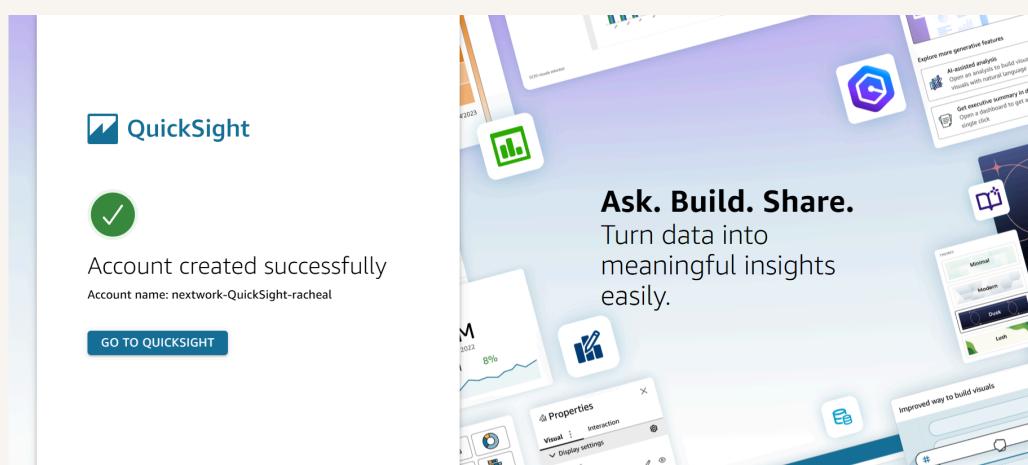
I edited the manifest.json file by updating the S3 URI that corresponds to our dataset file location. It's important to edit this file because it is how QuickSight will find and analyze the data.



# Create QuickSight account

Creating a QuickSight account cost \$0 as it comes with a 30days free trail. Make sure you uncheck an add-on in the sign up flow called Pixel-Perect Reports so you don't get charged.

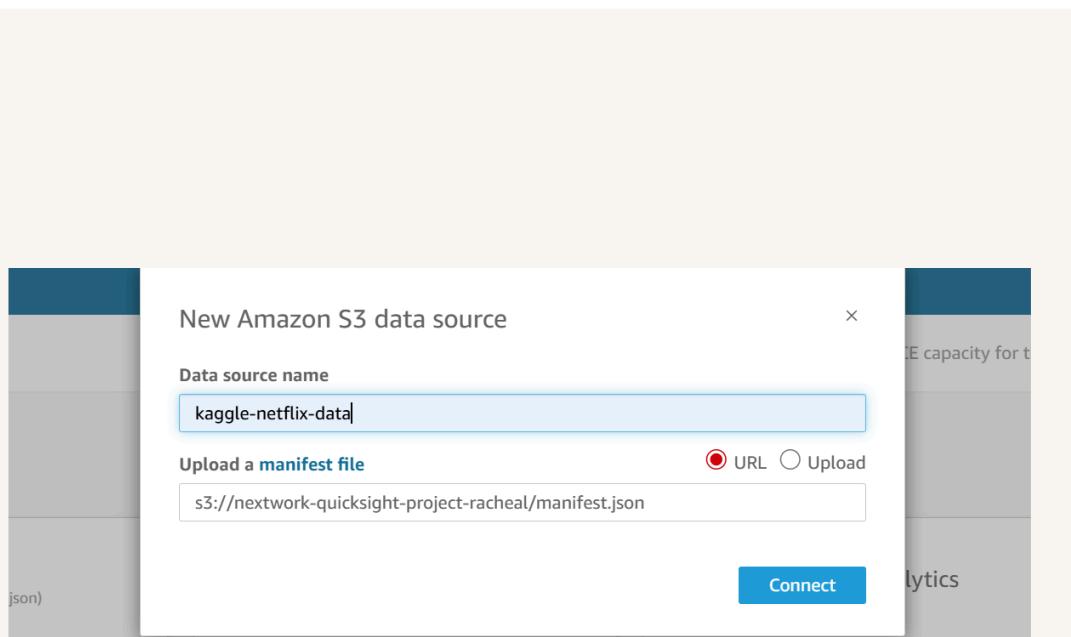
Creating an account took me 30minus.



# Download the Dataset

I connected the S3 bucket to QuickSight by visiting the datasets page.

The manifest.json file was important in this step because it tells QuickSight what your dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs.

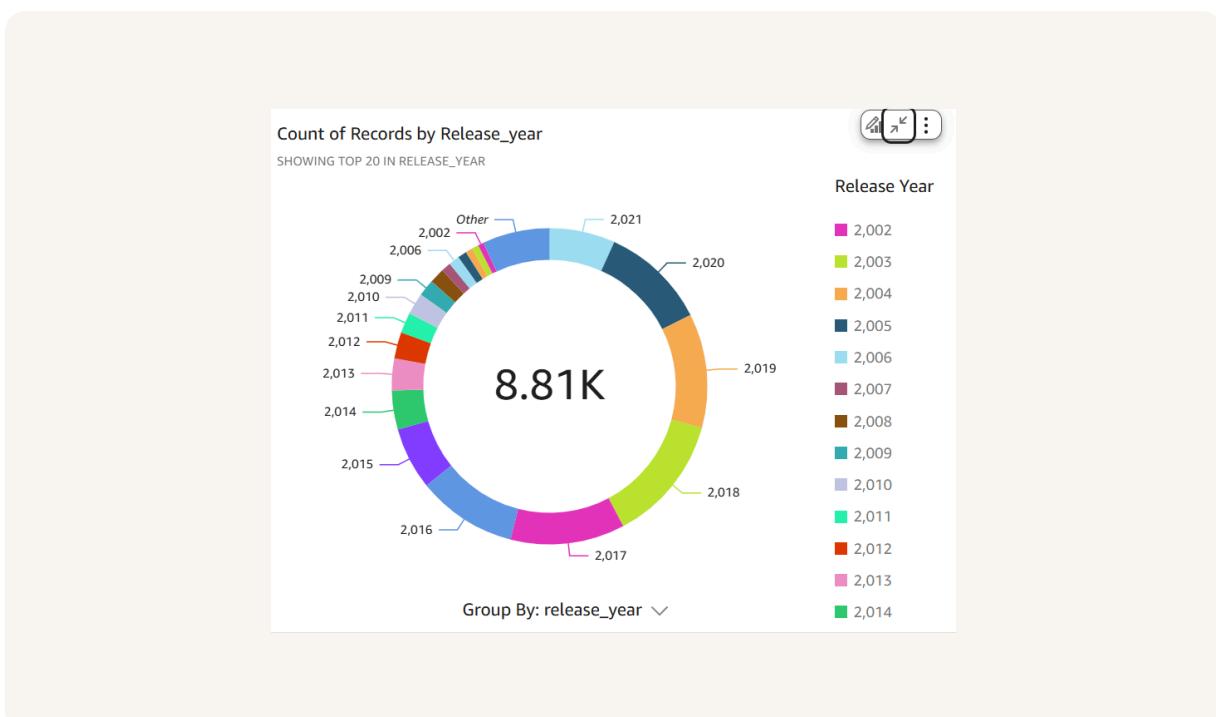


# My first visualization

To create visualizations on QuickSight, I've to click on data fields to generate a graphic that best suits that type of data.

The chart/graph shown here is a breakdown of the release years of the content inside netflix i.e how many TV shows or movies a certain year?

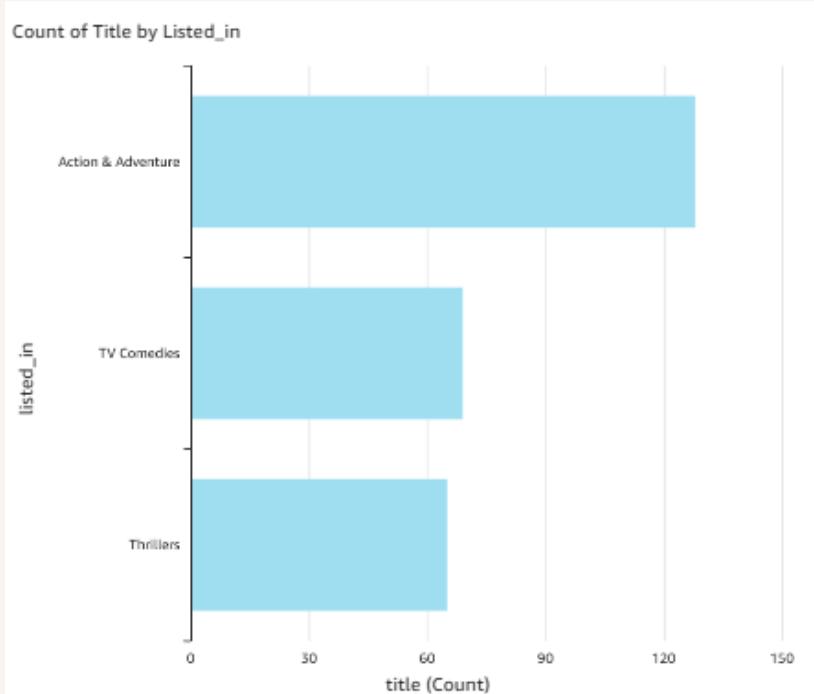
I created this graph by dragging and dropping the release year and changing automatically generated chart from a bar chart to donut chart.



# Using filters

Filters are useful for narrowing down our data to the subset we want to focus on

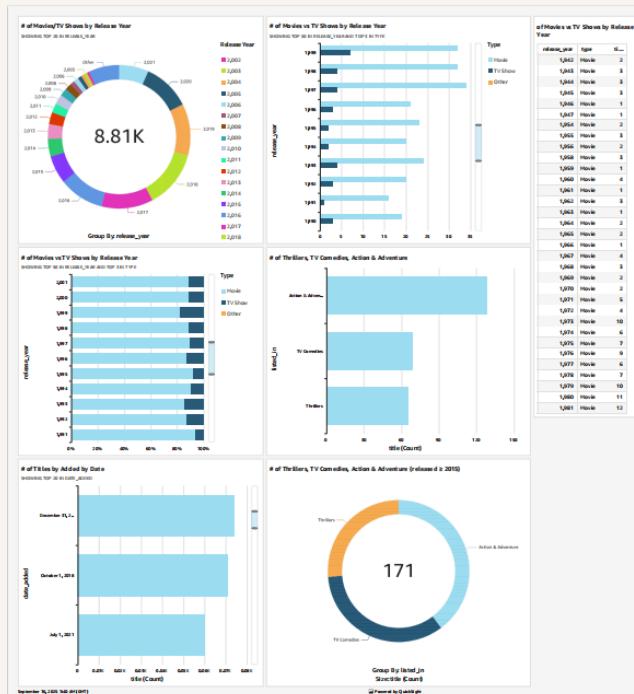
This visualization is a breakdown of TV shows and movies in one of three categories; action and adventure, tv comedies and thrillers. Here I added a filter based on the 'listed on' data label.



# Setting up a dashboard

As a finishing touch, I updated the titles of the charts to make it easily readable when made public.

Did you know you could export your dashboard as PDFs too? I did this by selecting publish and then 'generate PDF' on the top right hand of the QuickSight analysis.





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