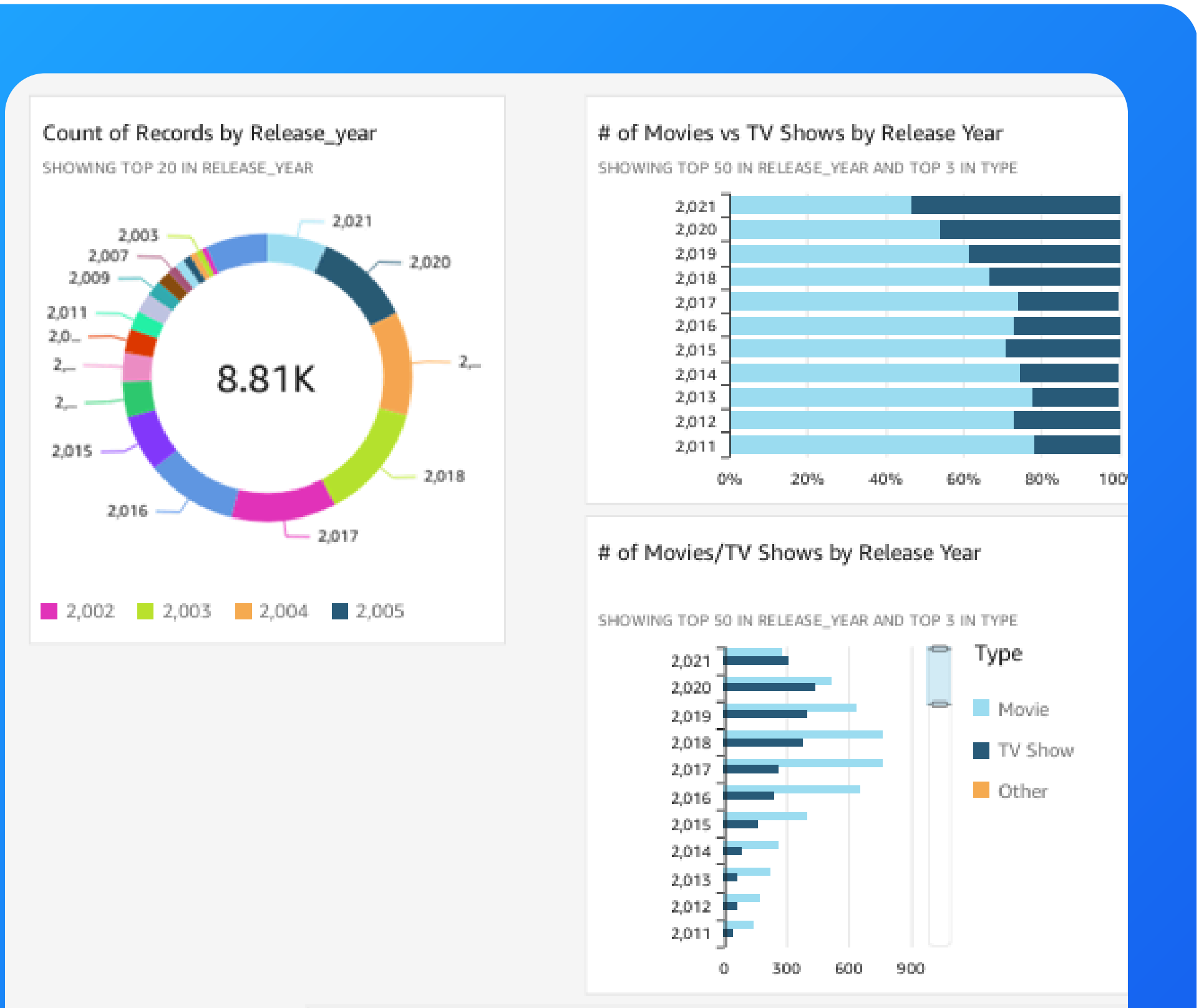
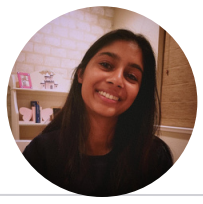
NextWork.org

# Visualize data with QuickSight

Ridhi Tamirasa





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# Introducing Amazon QuickSight!

## What it does & how it’s useful

Amazon QuickSight is a way of visualizing data in AWS to enable one to get insights from a dataset.

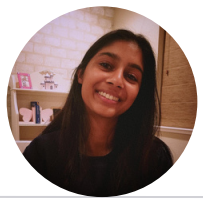
Developers and teams use Amazon QuickSight because it allows for collaboration via the cloud.

## How I’m using it in today’s project

I’m using Amazon QuickSight in this project to visualize a Netflix dataset

## This project took me...

It took me an hour to finish the project
Documentation took me an hour as I was documenting after completing each step.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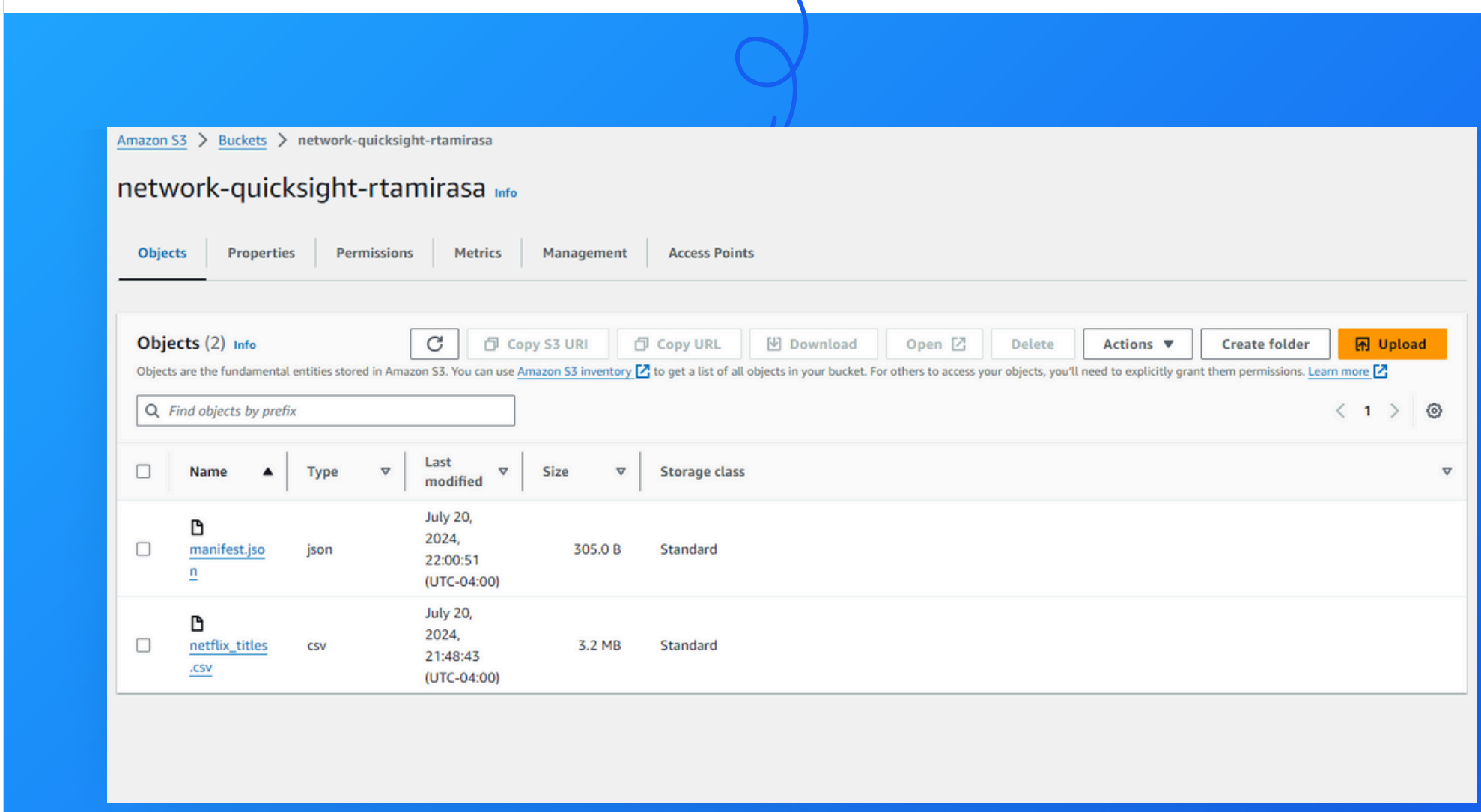
# Upload project files into S3

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

- I edited the manifest.json file by changing the URI name to the one in my bucket.
- It’s important to edit this file because it would be directing to a wrong address without changes.

Here’s my bucket with the CSV file and manifest.json!

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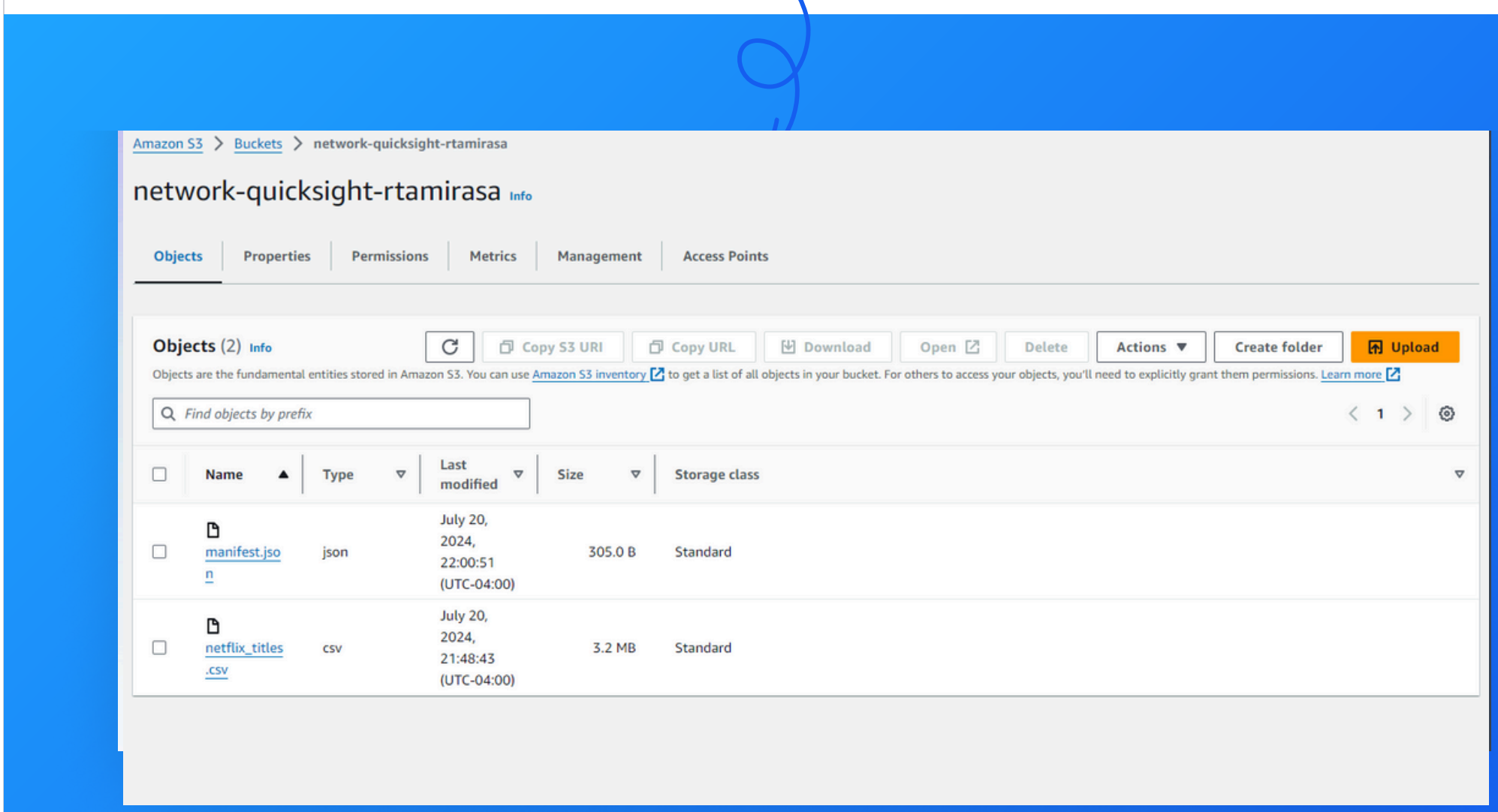
# Create QuickSight account

- It costed $0 to make my Quicksigh account

- Creating a QuickSight account took me less than 5 minutes

- I also had to enable QuickSight's access to S3 to ensure we have access to the datasets in the selected buckets for visualization purposes.

Voila! I created my QuickSight account successfully.

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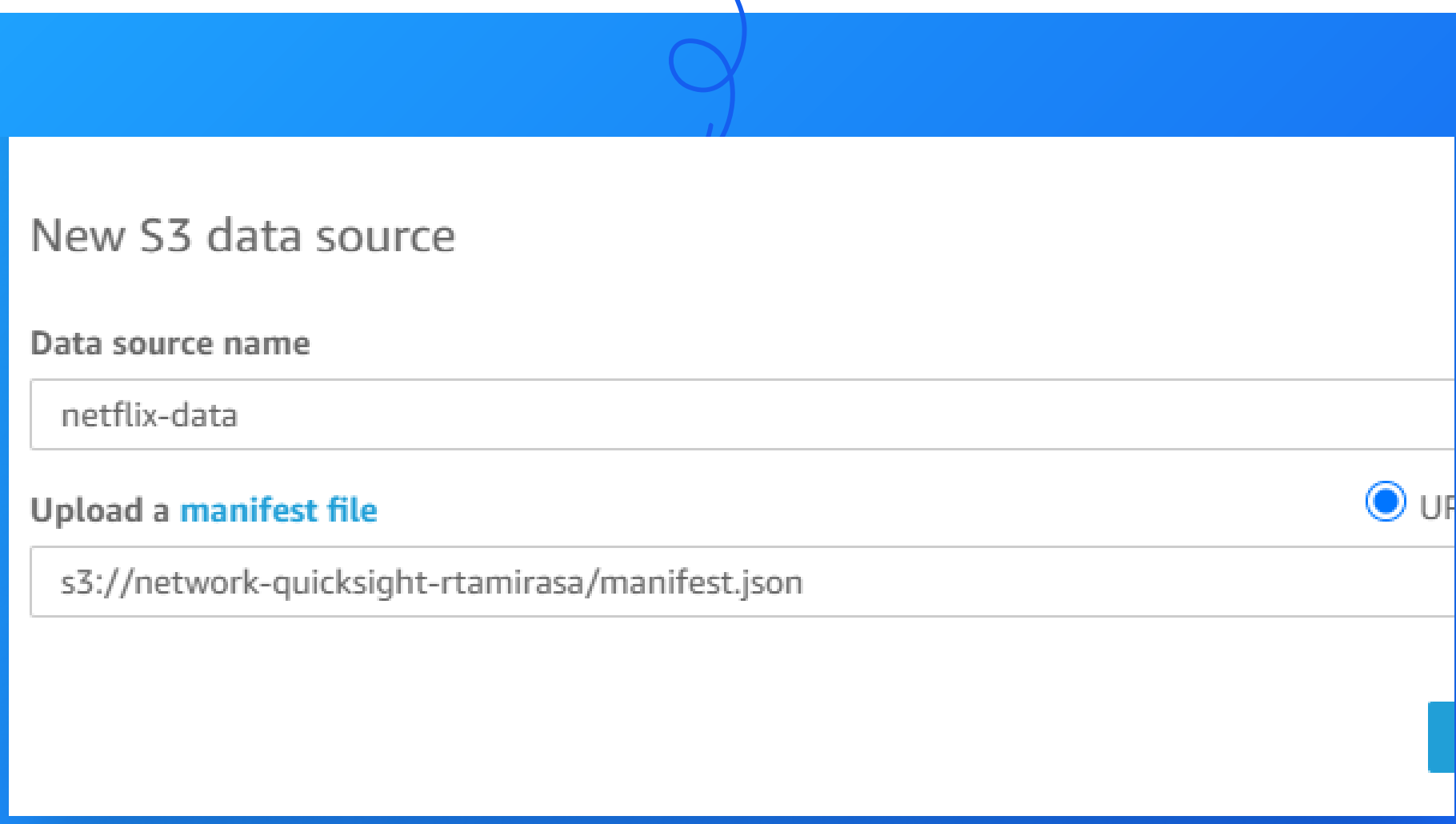
# Connect S3 + QuickSight

I connected the S3 bucket to QuickSight by copying the manifest.json URI.

- The manifest.json file was important in this step because it helps Quicksight find our dataset in our bucket and understand our data so it can represent i in charts and graphs.


Entering the manifest.json URL.



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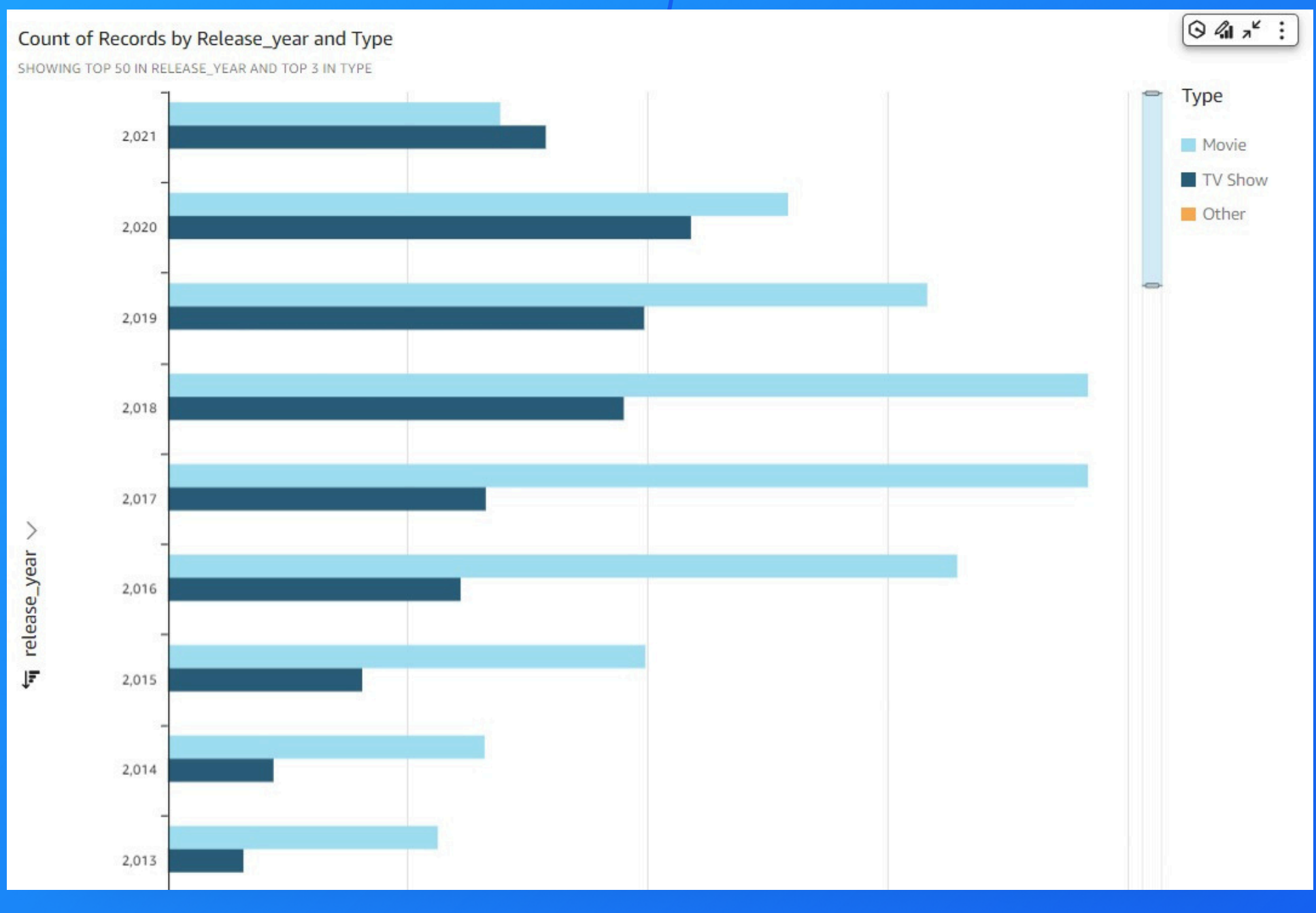
# Let’s make visualisations!

- To create visualisation on QuickSight, you’ll have to drag a category to the AutoGraph dashboard

- The chart/graph shown here is a breakdown of the number of movies released each year by their categories(movies/tv show)

- I created this graph by having the release year on the y-axis and having the Type on group to show different colors for each category.

One of my first visualisations.



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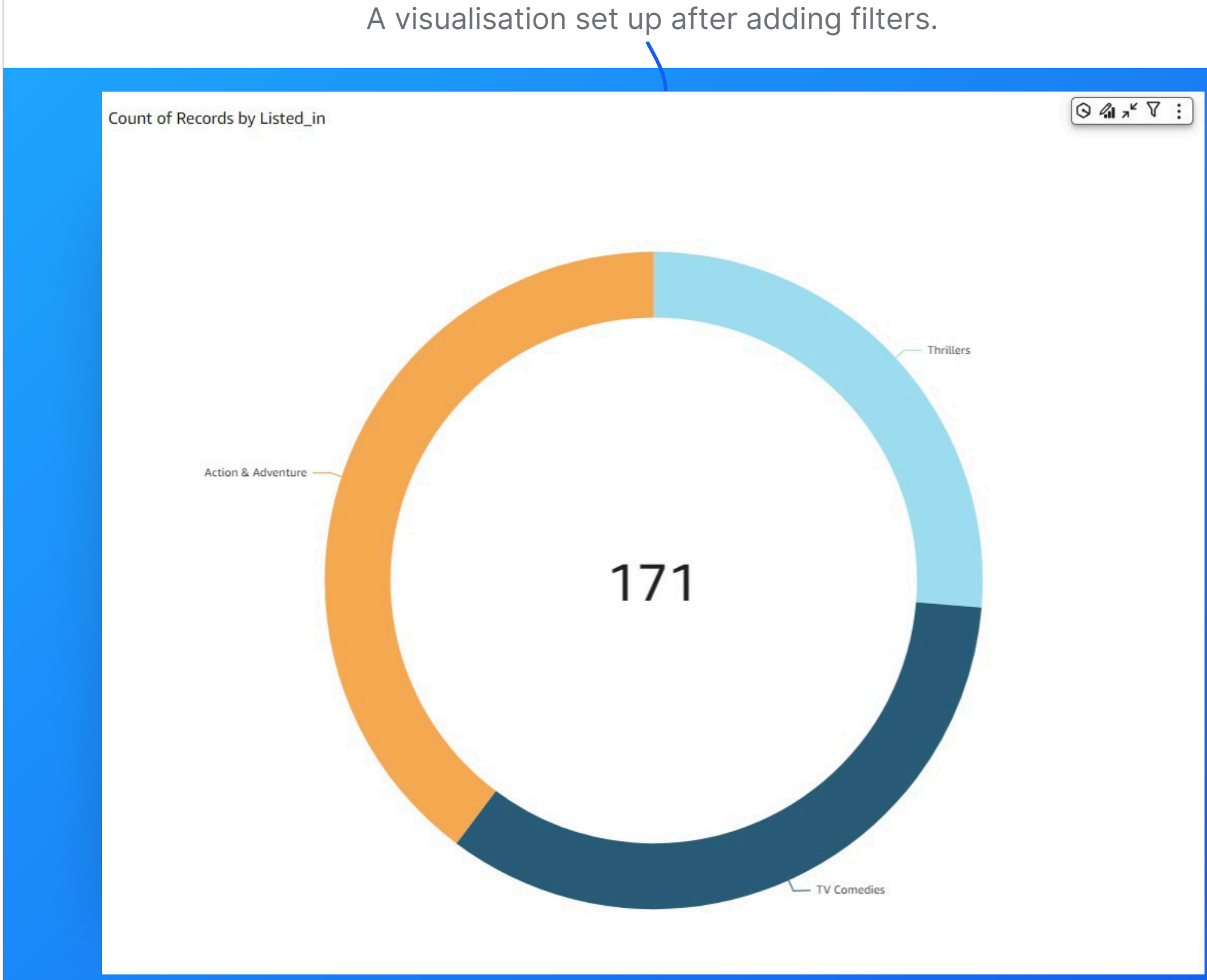
# Using filters

- Filters are useful for specifying the variables and exact values you want to compare while excluding what you don’t want.

- Here I added a filter by excluding movies and TV shows released before 2015.This helped me create a visualization on the three genres released from 2015.

A visualisation set up after adding filters.

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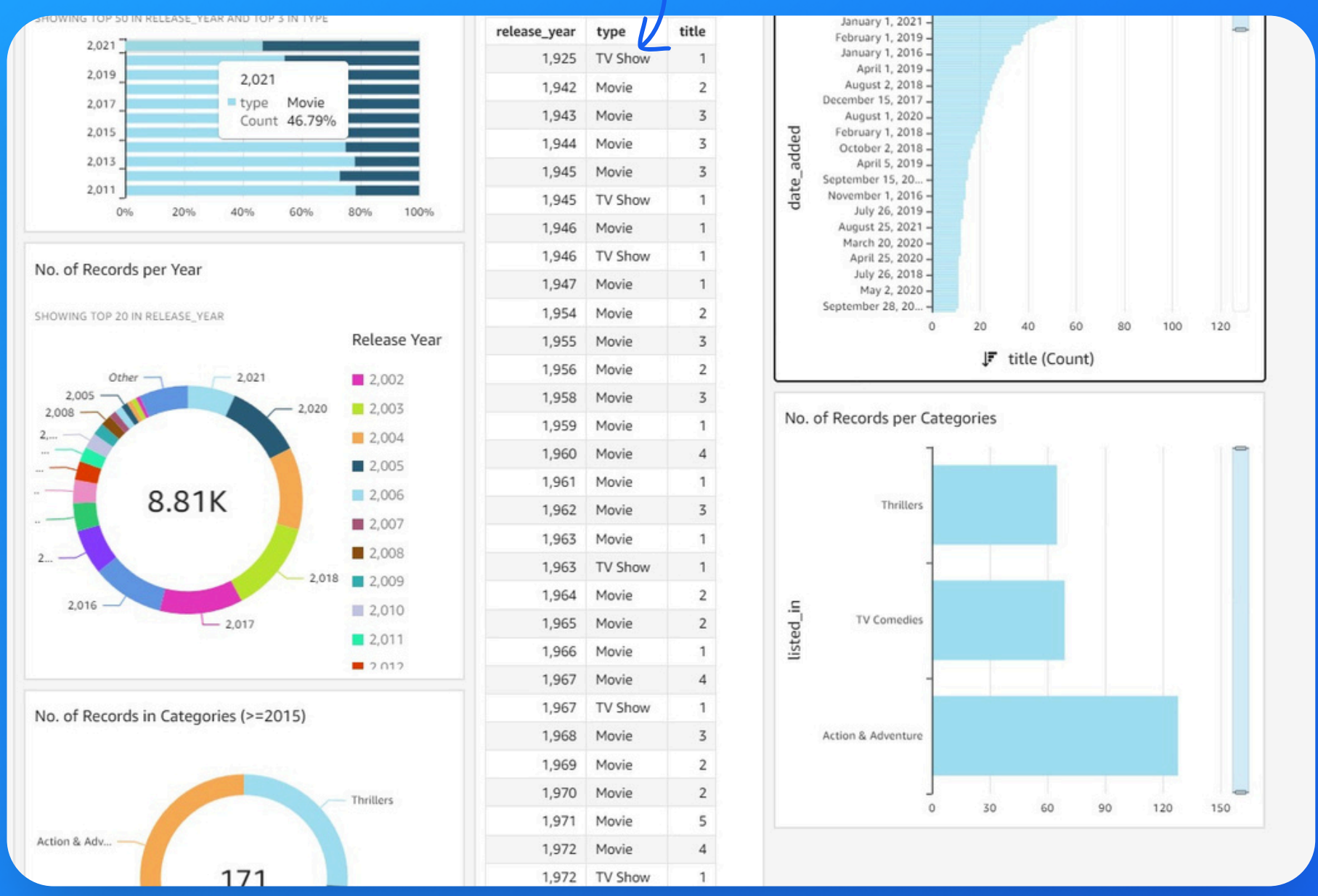
# Set up your dashboard!

- As a finishing touch, I arranged my visuals in a good looking format

- Did you know you could export your dashboard as PDFs too? I did this by clicking ‘Export’ and ‘Generate PDF’ then waiting for it to prepare download.

Voila! Here’s the finished dashboard!

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# My key learnings

1. An S3 bucket was used in this project to store the dataset and manifest.json file.

2. To connect the data stored in S3 with QuickSight, I had to link the manifest.json file URI to Quicksight

3. It is easy to create visualizations in Quicksight and it is easy to navigate different toggles.

4. One thing I didn’t expect was the ease in creating visualizations and how it recommends if you put a graph in the Autograph.