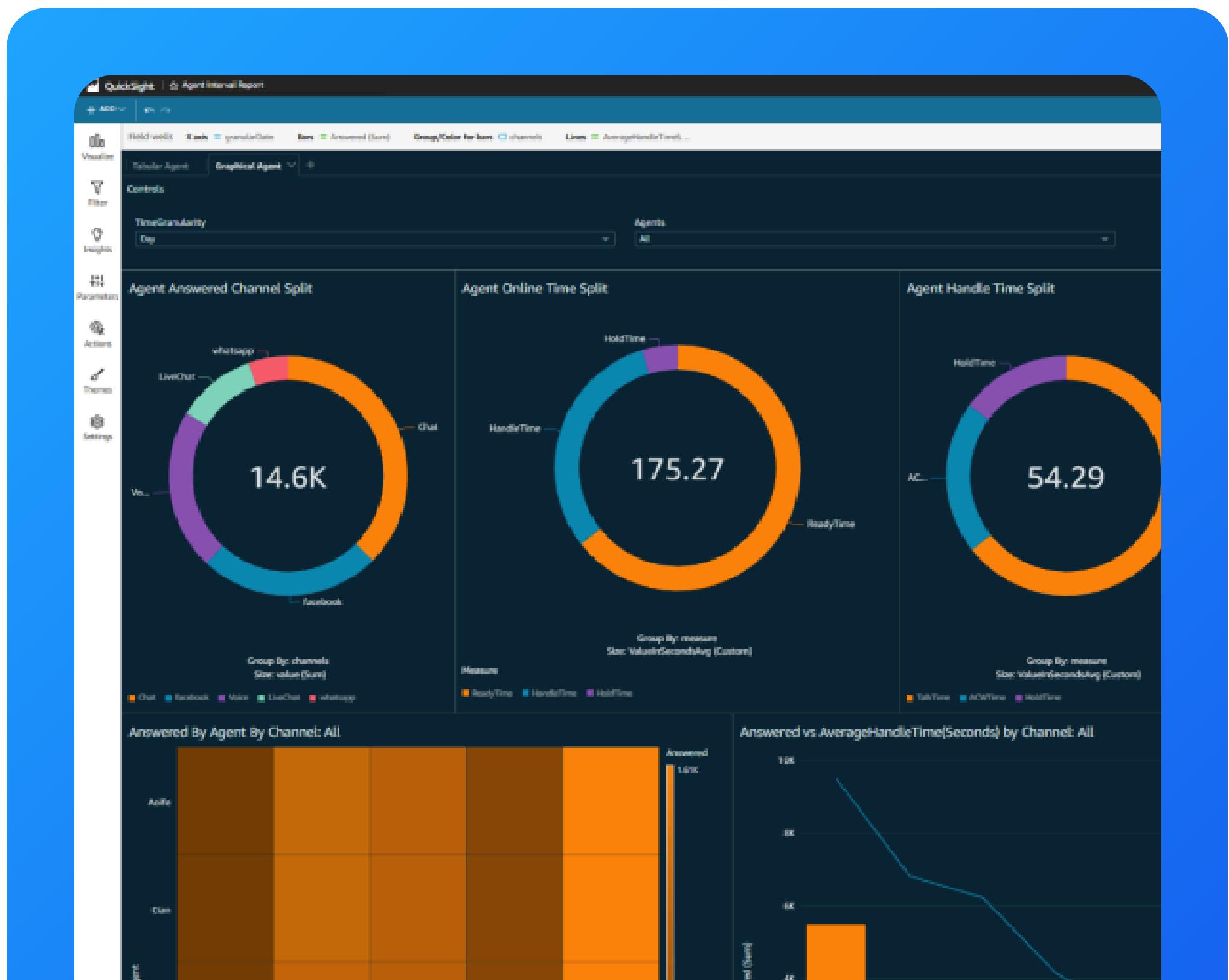




# Visualize data with QuickSight



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# Introducing Amazon QuickSight!

## What it does & how it's useful

Amazon QuickSight is a scalable, serverless business intelligence service by AWS. Developers and teams use Amazon QuickSight because it offers fast, easy-to-use data visualization, interactive dashboards, and integrated machine learning insights.

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

I'm using Amazon QuickSight in this project to visualize the Netflix database with graphs and charts and build a comprehensive dashboard.

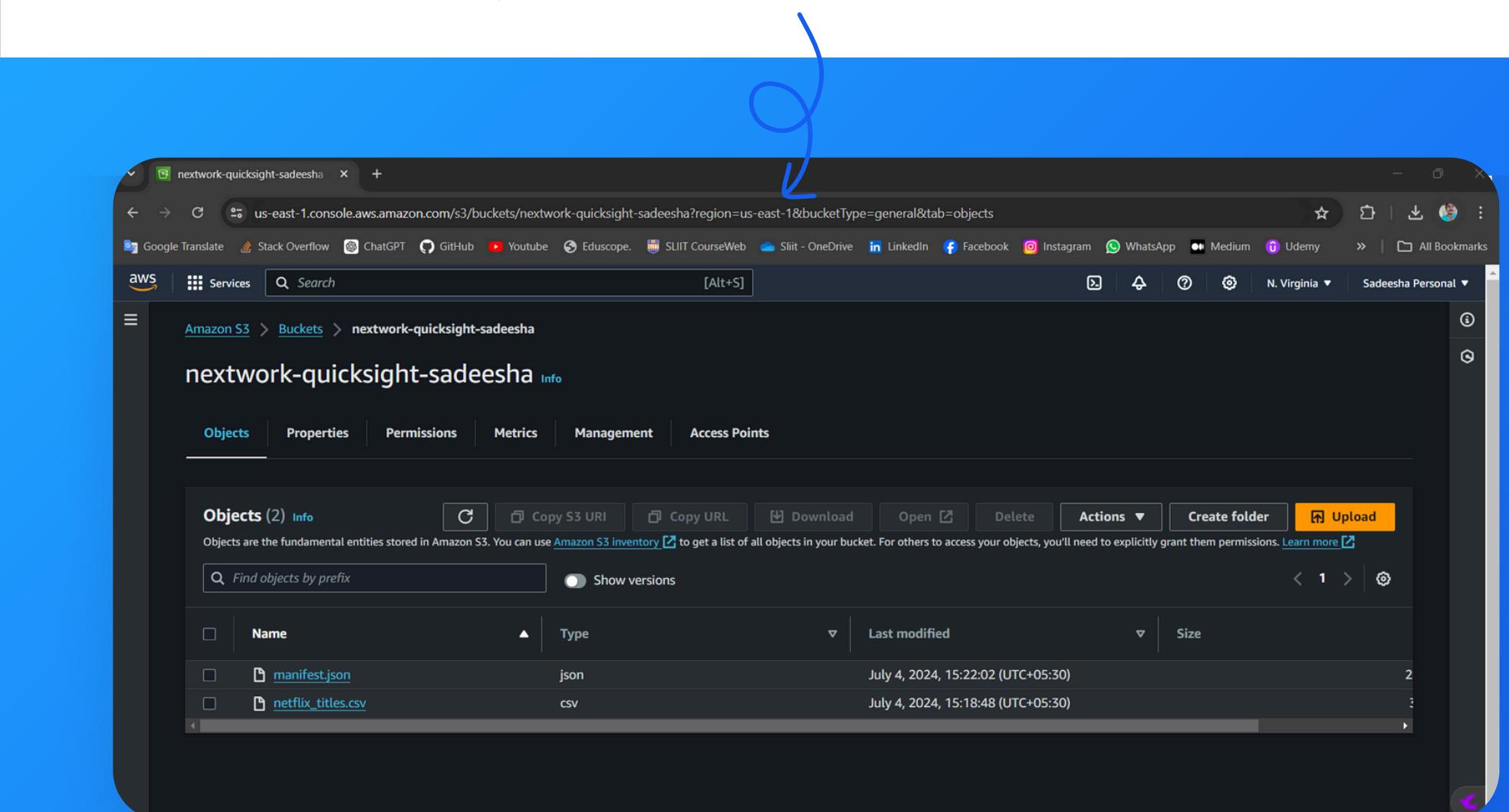
## This project took me...

The project took me 50 minutes to complete, and writing the documentation took an additional 20 minutes.

# Upload project files into S3

- S3 is used in this project to store two files, which are `netflix_titles.csv` and `manifest.json`
- I edited the `manifest.json` file by adding the S3 URL of `netflix_titles.csv`. It's important to edit this file because it will help to create a connection between amazon quicksight and S3

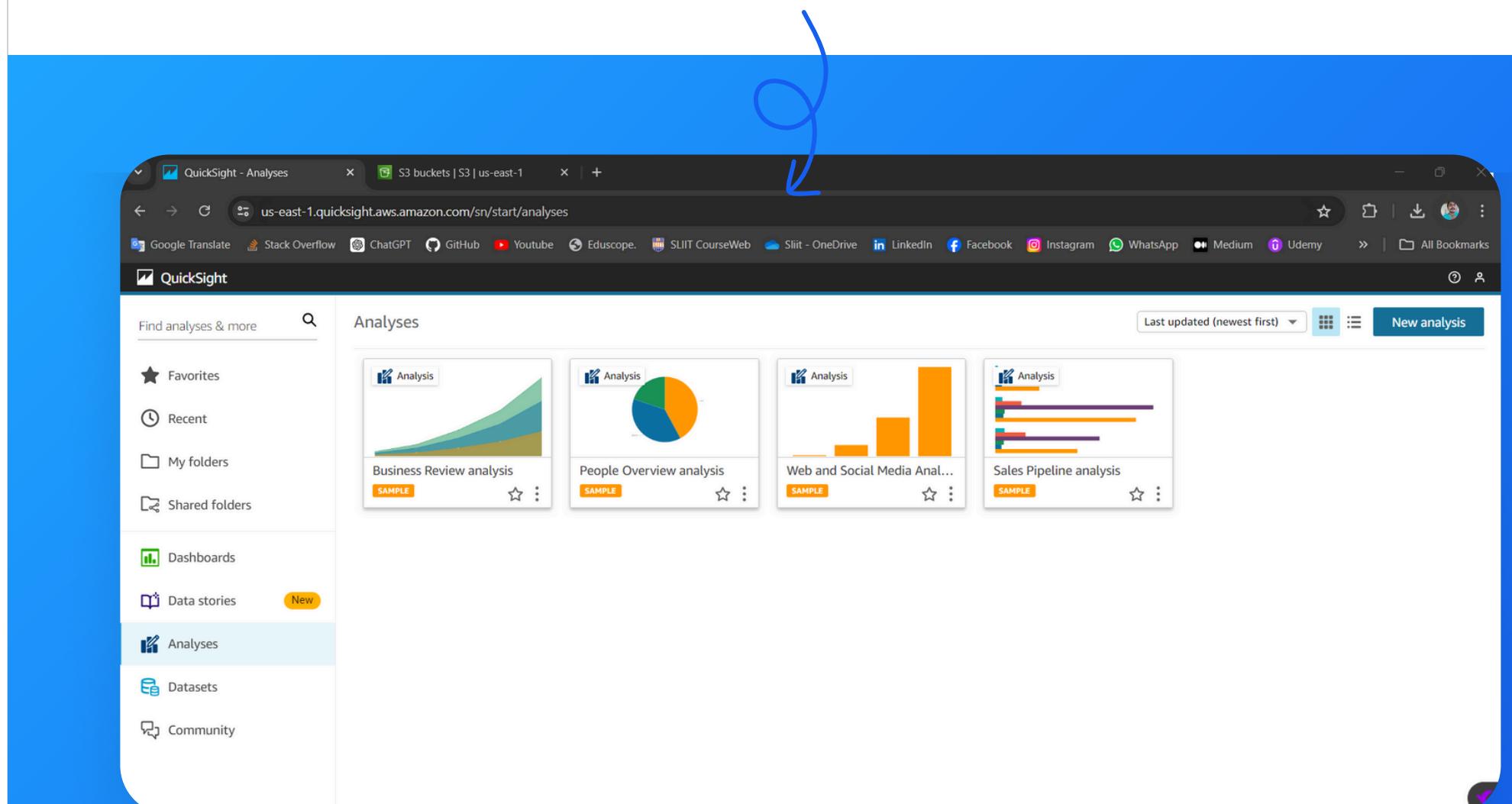
Here's my bucket with the CSV file and `manifest.json`!



# Create QuickSight account

- *It costed no money because I used free trial.*
- Creating a QuickSight account took me almost 2 minutes.
- I also had to enable QuickSight's access to S3 because the data needed for visualization is stored in an S3 bucket.

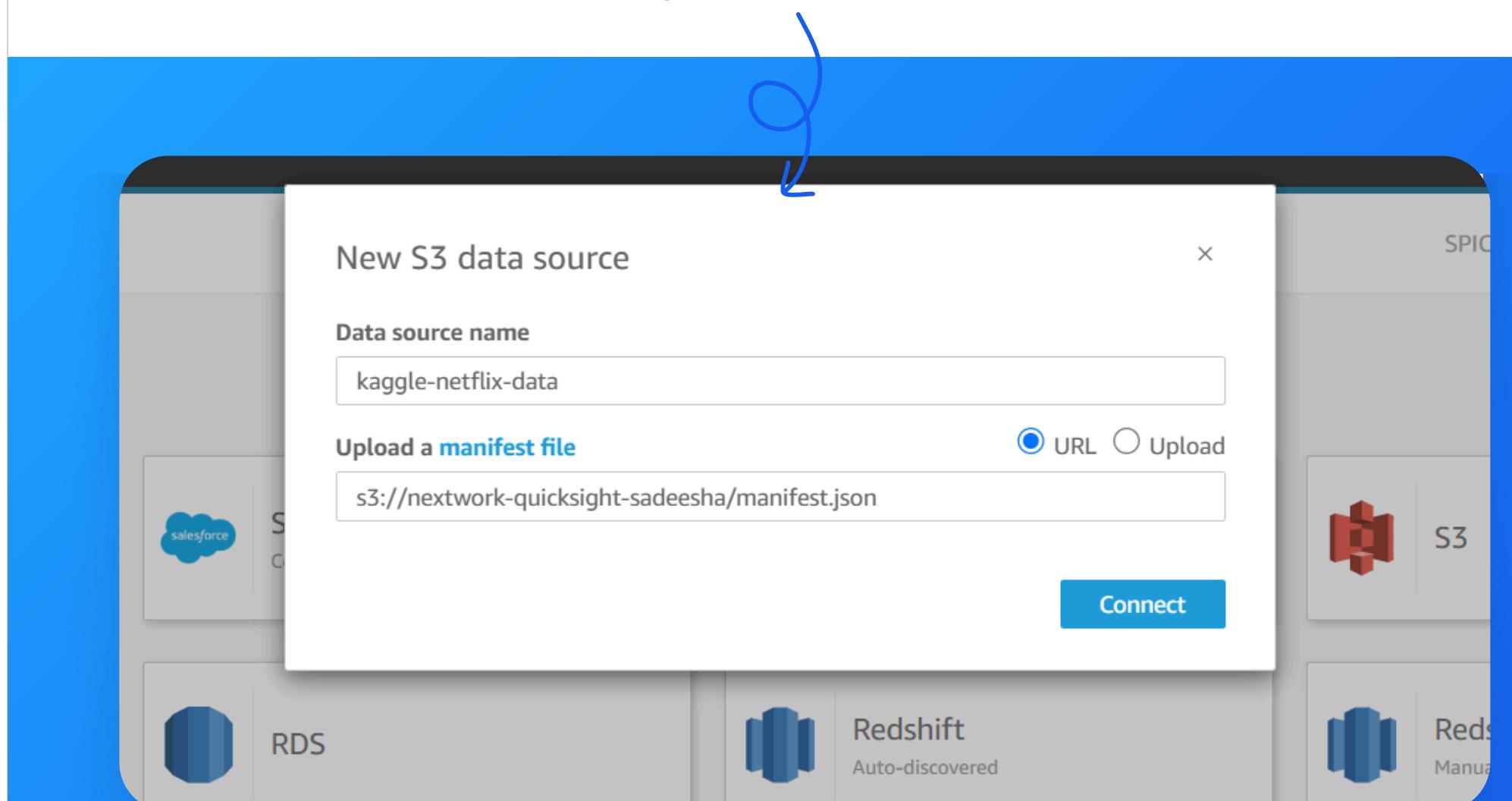
Voila! I created my QuickSight account successfully.



# Connect S3 + QuickSight

- I connected the S3 bucket to QuickSight by configuring QuickSight to access the S3 bucket using the S3 URL of the manifest.json file
- The manifest.json file was important in this step because it specifies the location and structure of the data files in the S3 bucket

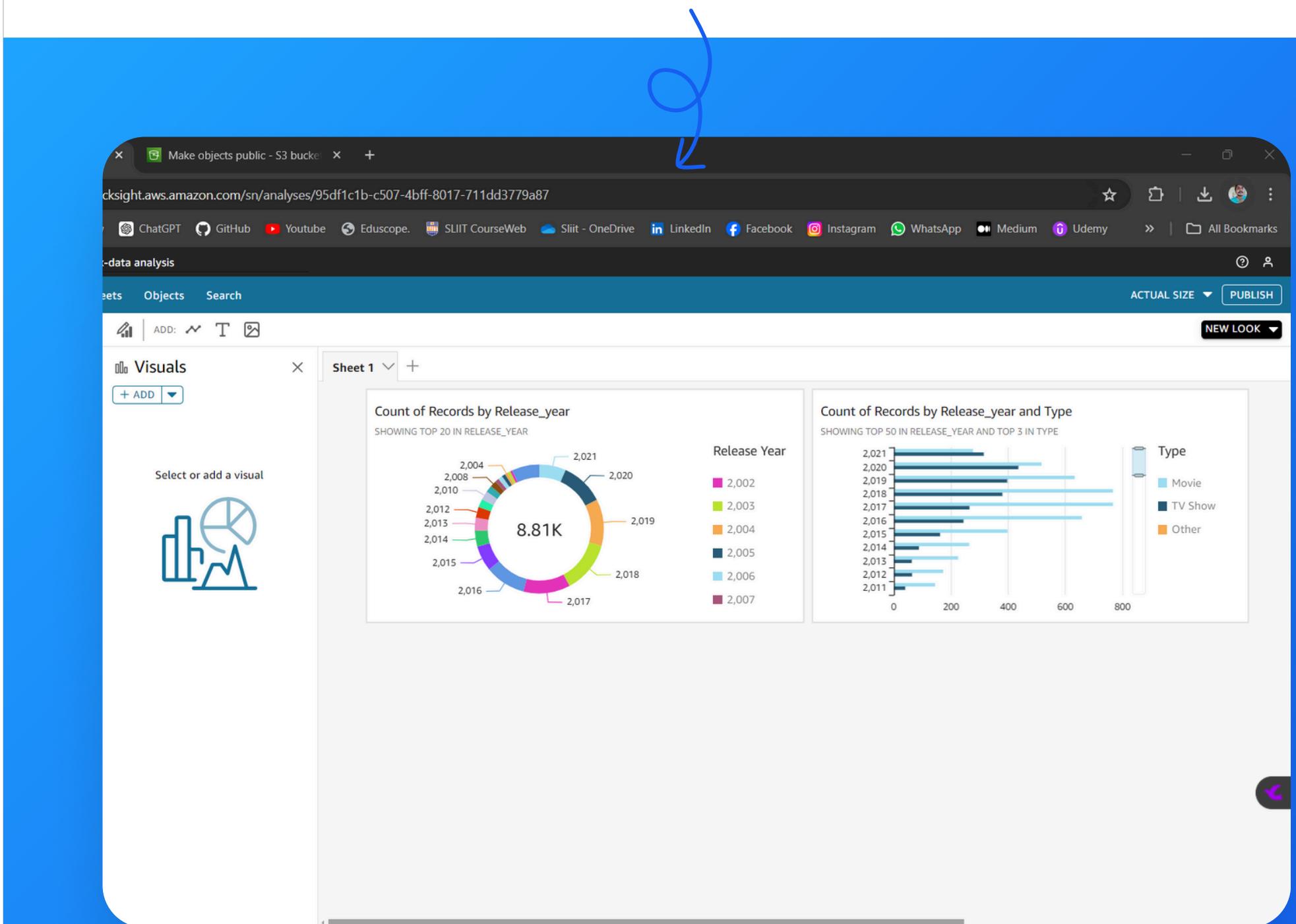
Entering the manifest.json URL.



# Let's make visualisations!

- To create visualisation on QuickSight, by selecting dataset and then new dataset and then selected visualization
- The chart/graph shown here is a breakdown of release\_year and Type
- I created this graph by dragging over 'release\_year' and then dragging 'type' into the same chart.

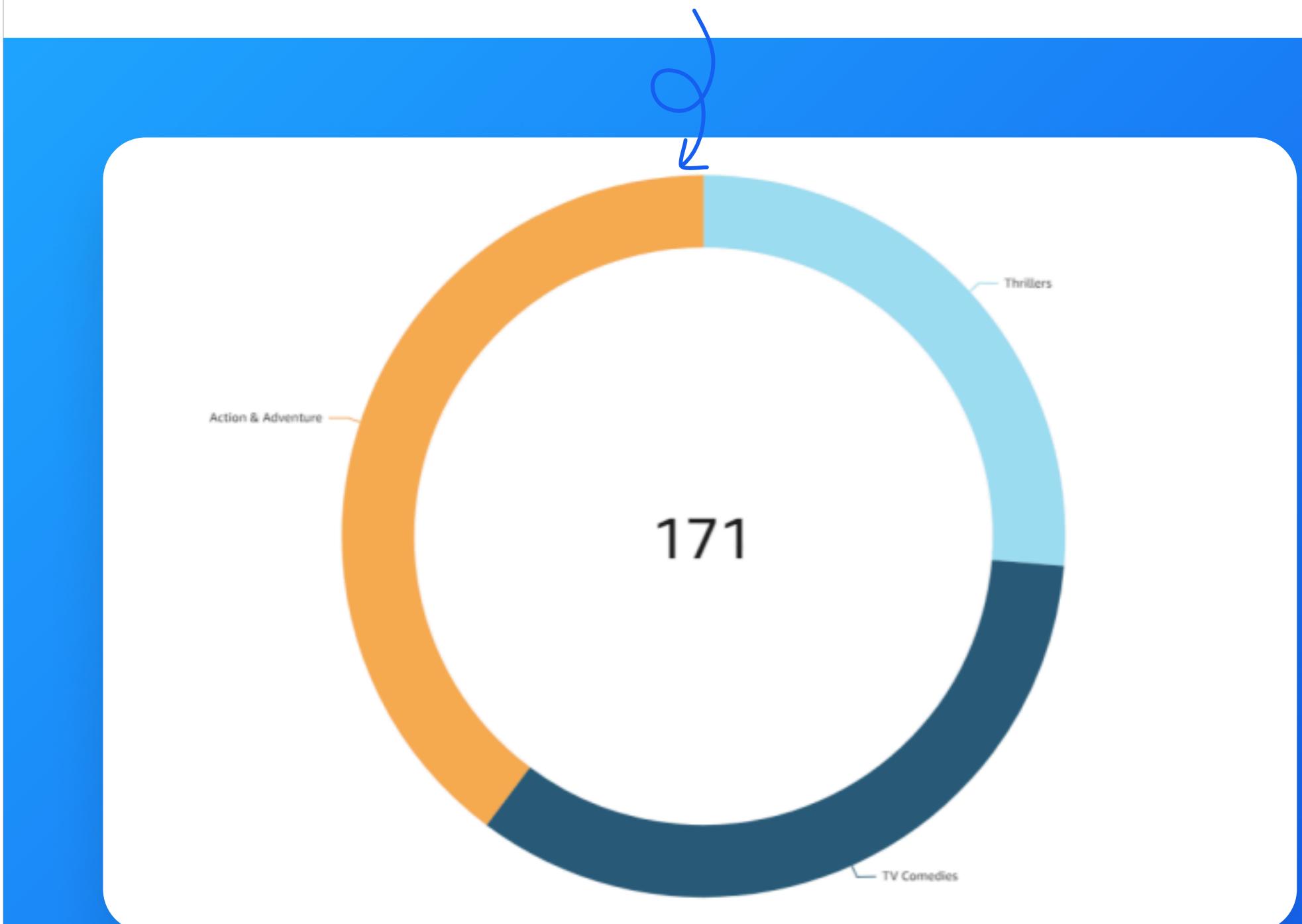
One of my first visualisations.



# Using filters

- Filters are useful for showing only a specific group of the dataset leaving out the ones you don't need information about
- Here I added a filter by selecting only 3 Listed In categories from a long list. This helped me create a visualisation of Thrillers, TV comedies and Action& Adventure

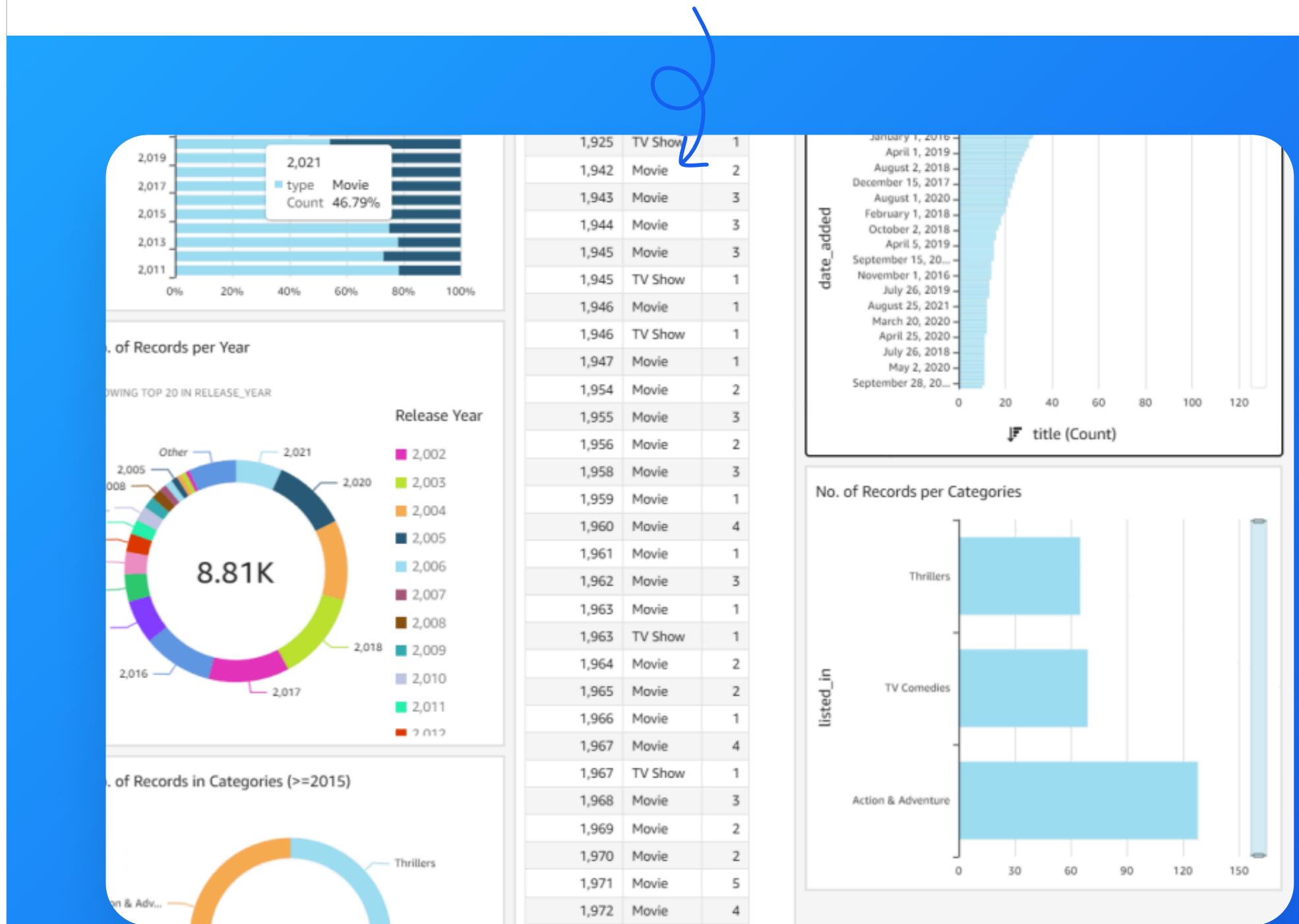
A visualisation set up after adding filters.



# 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!





# 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.



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in a job they love. *yes!***

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