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Visualize data with QuickSight 📊

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Introducing Amazon QuickSight!

What it does & how it’s useful

Amazon QuickSight is a cloud-based business intelligence service that allows users to create and analyze visualizations and dashboards from their data.
Developers and teams use Amazon QuickSight because it offers fast, scalable, and easy-to-use data visualization and business intelligence capabilities directly integrated with AWS services.

How I’m using it in today’s project

I’m using Amazon QuickSight in this project to visualize the netflix data and create a user friendly dashboard.

This project took me...

This project took me 2 hours to complete.
Documentation took me 1 hour to complete.

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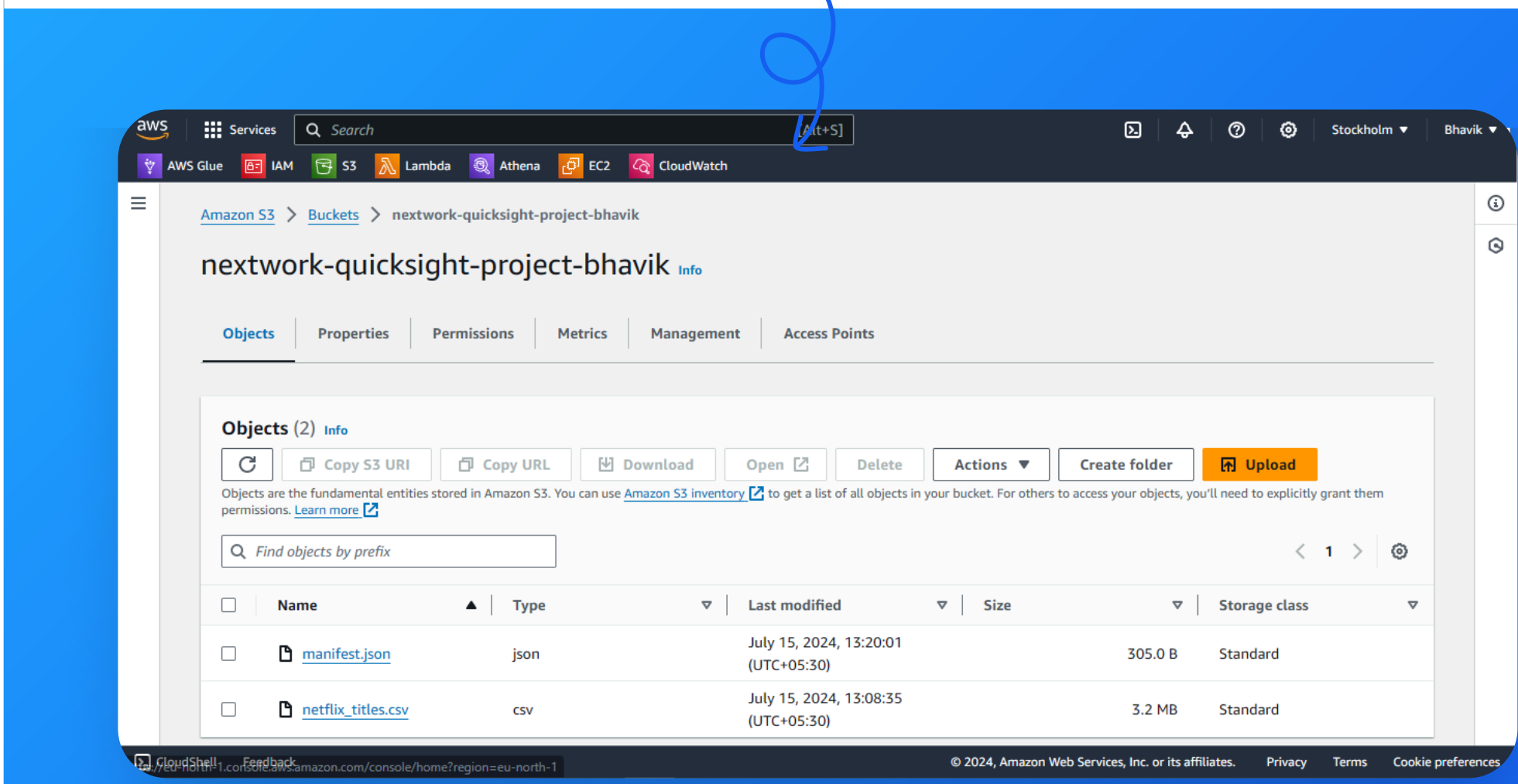
Upload project files into S3

- S3 is used in this project to store two files, which are netflix titles.csv file and a manifest.json file.

- I edited the manifest.json file by url and changed it to my bucket's location wher ethe netflix_titles.csv is stored. It's important to edit this file because we will be using it for helping us in creating dashboard.

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



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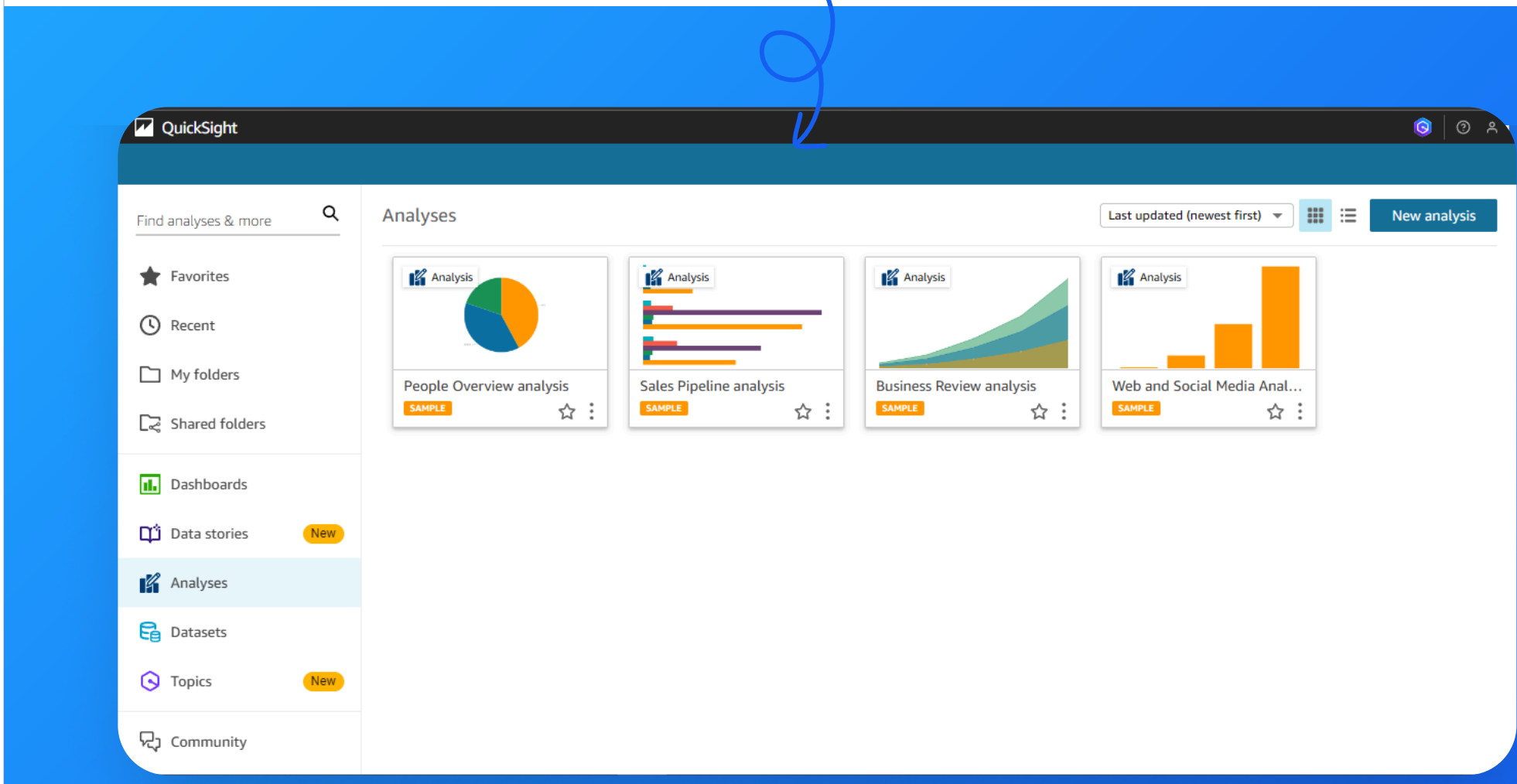
Create QuickSight account

It costed 0$ to create QuickSight account.

- Creating a QuickSight account took me 5 minutes.
- I also had to enable QuickSight's access to S3 because we will be using the data present in the S3 bucket.

Voila! I created my QuickSight account successfully.

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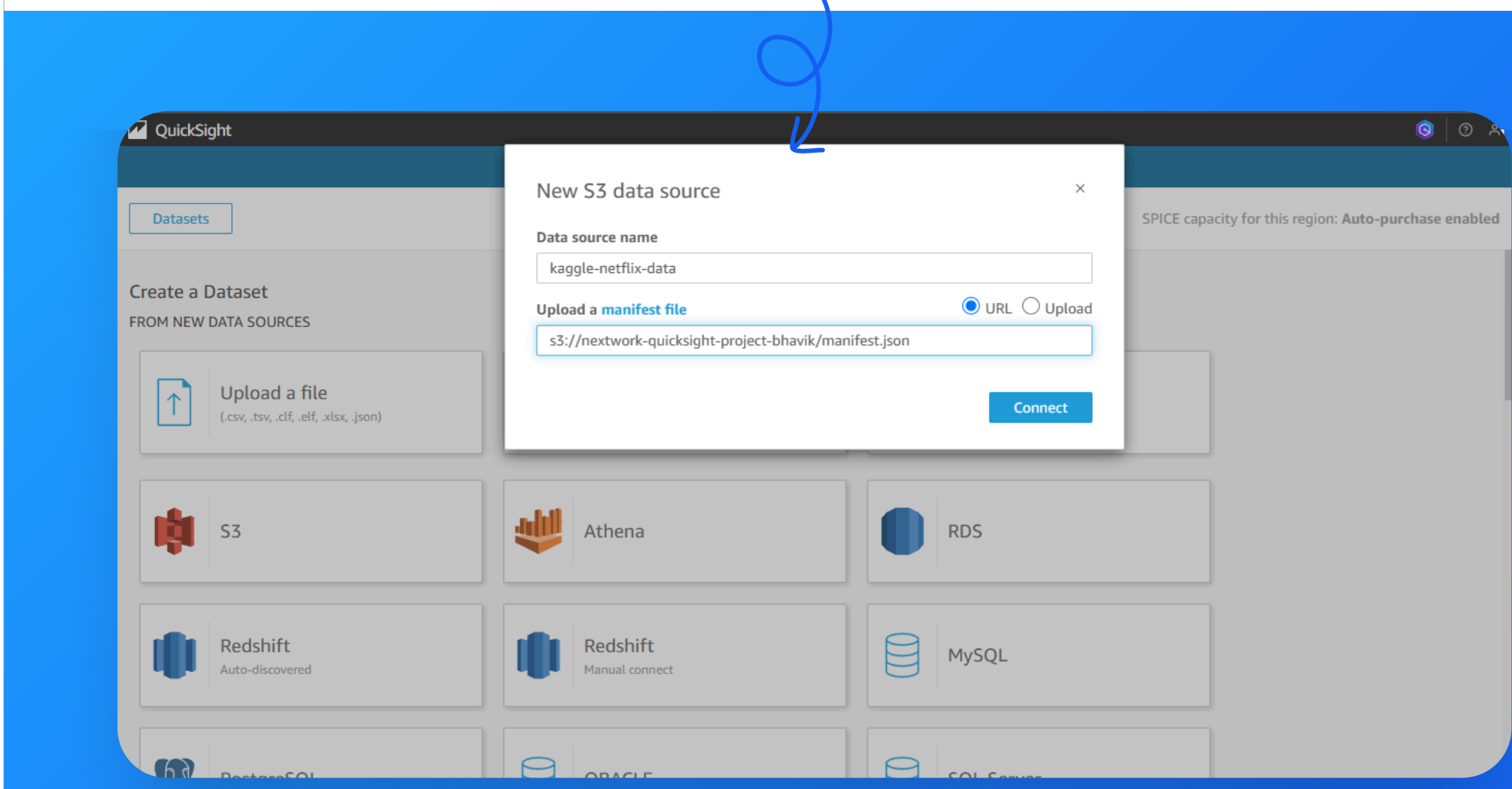
Connect S3 + QuickSight

- I connected the S3 bucket to QuickSight by creating a new dataset in quicksight and naming it kaggle-netflix-data and also providing the url to manifest.json file.
- The manifest.json file was important in this step because this file will help quicksight to know details about the data we will be using; here netflix data

Entering the manifest.json URL.



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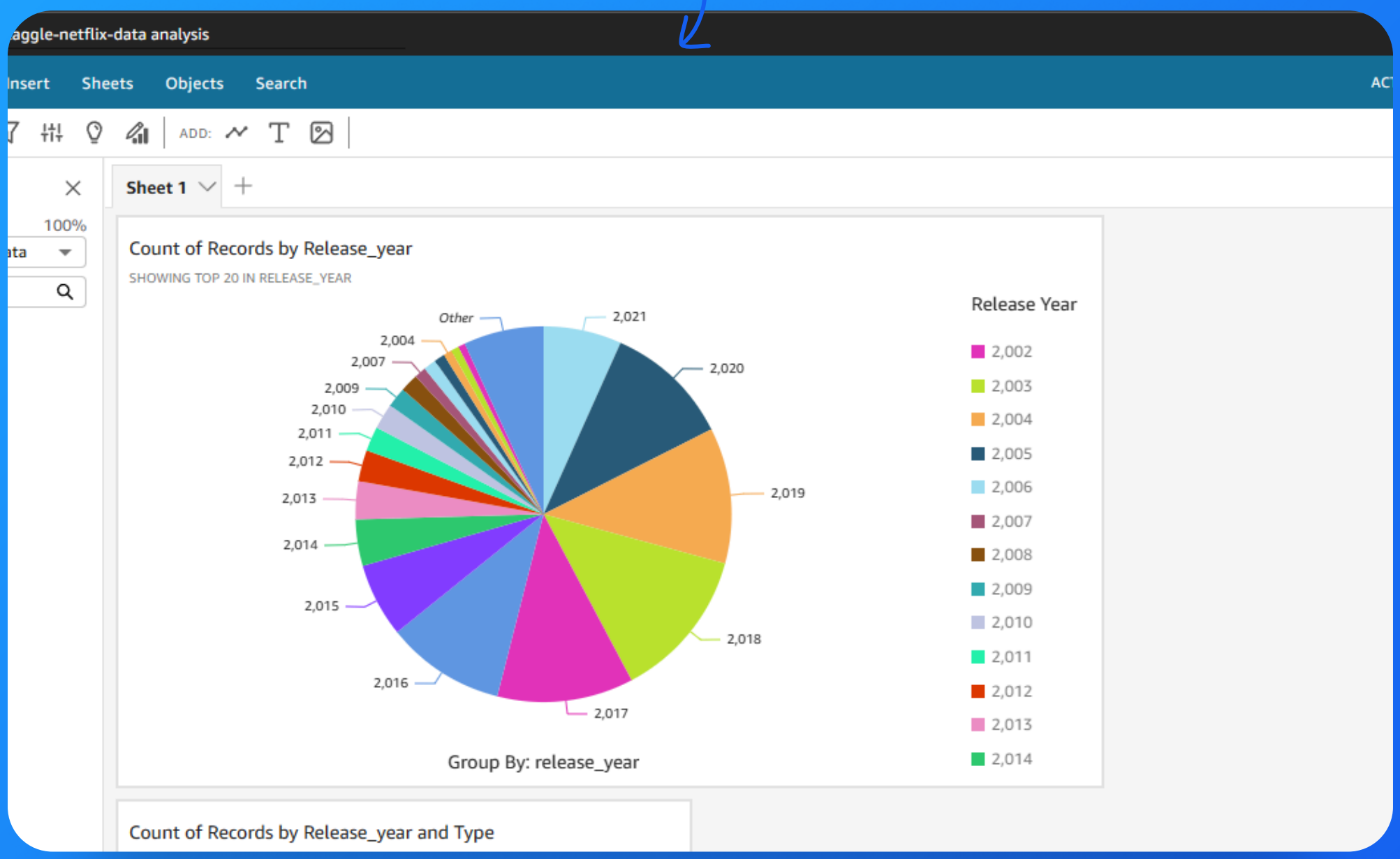
Let’s make visualisations!

- To create visualisation on QuickSight, you’ll have to drag and drop charts and data accordingly.

- The chart shown here is a breakdown of movies/series by their release year.

- I created this graph by creating a pie chart and adding release year record to it.

One of my first visualisations.



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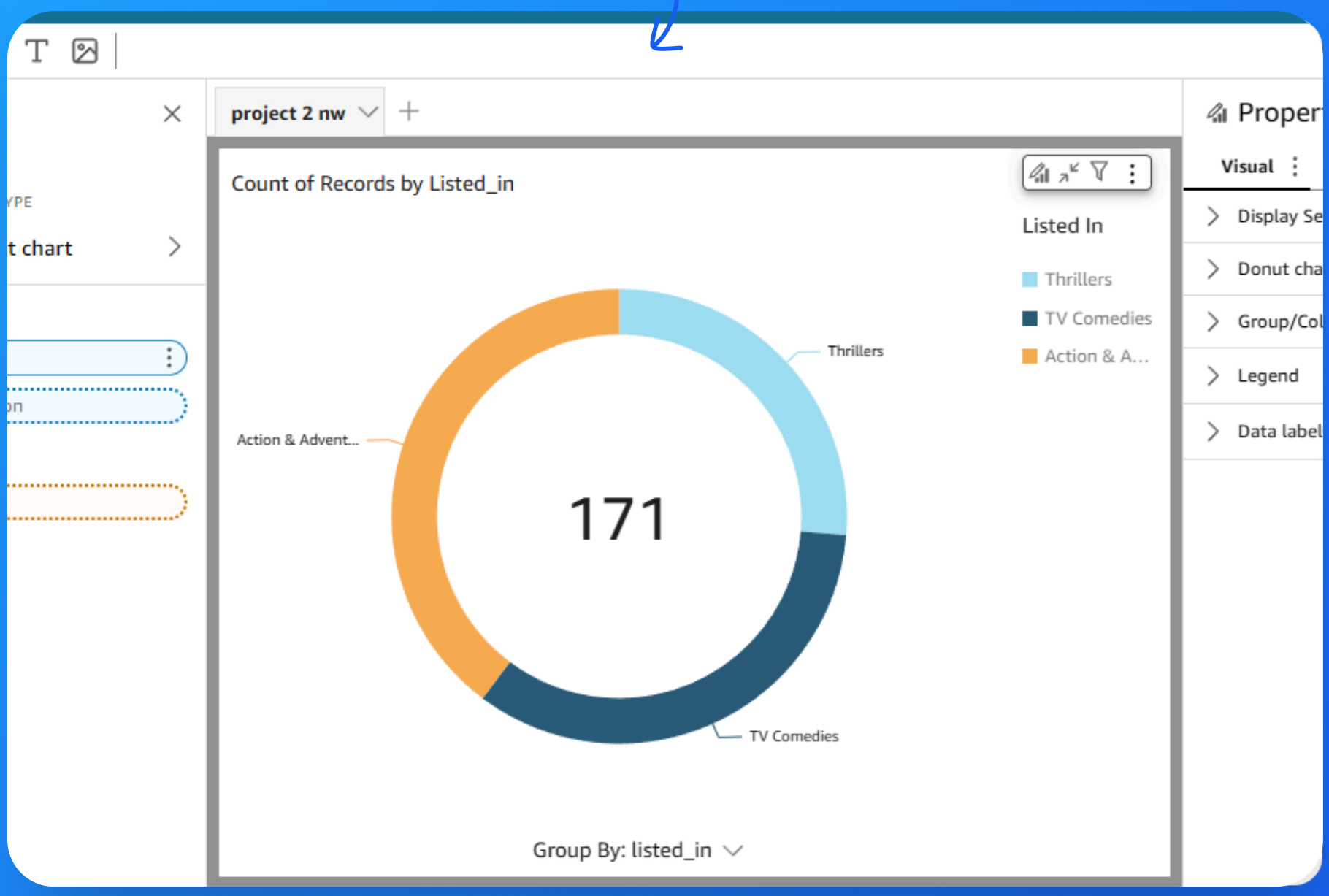
Using filters

- Filters are useful for fast data access and it is also used to include or exclude specific data points

- Here I added a filter by listed_in column. This helped me create a visualisation on specific genres of thrillers, action & adventure and TV comedies.

A visualisation set up after adding filters.



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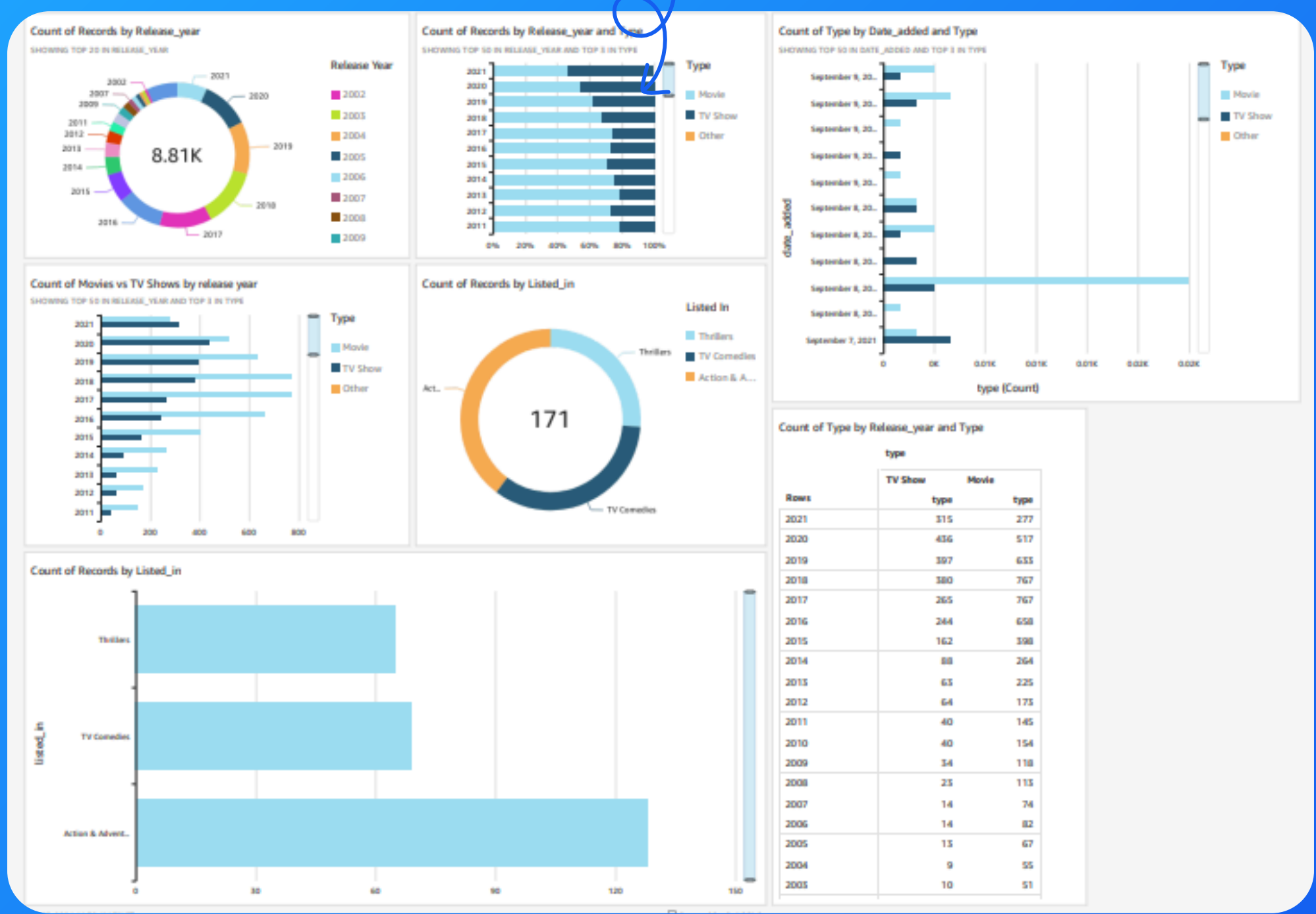
Set up your dashboard!

- As a finishing touch, I moved all the graphs and charts such that they will fit in the frame.

- Did you know you could export your dashboard as PDFs too? I did this by clicking on file and then export pdf.

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 netflix data.csv file and a manifest.json file.

2. To connect the data stored in S3 with QuickSight, I had to use the manifest file.

3. Creating visualizations on QuickSight was easier than I thought.

4. One thing I didn’t expect was the ease with which I could create a dashboard featuring various charts and graphs.

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