Visualize data with QuickSight 📊

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Horizontal Bar graph Movies vs TV Shows by Release Year

SHOWING TOP 50 IN RELEASE_YEAR AND TOP 3 IN TYPE

Type
- Movie
- TV Show
- Other

Table bar graph of

SHOWING TOP 50 IN RELE

Horizontal bar graph of most titles added in one year

December 31, 2019
July 1, 2018
June 1, 2017
August 1, 2019
October 1, 2016
July 12, 2019
June 6, 2019
September 10, 20...
December 21, 2018
August 25, 2021

Pie chart of Thriller

Acti...
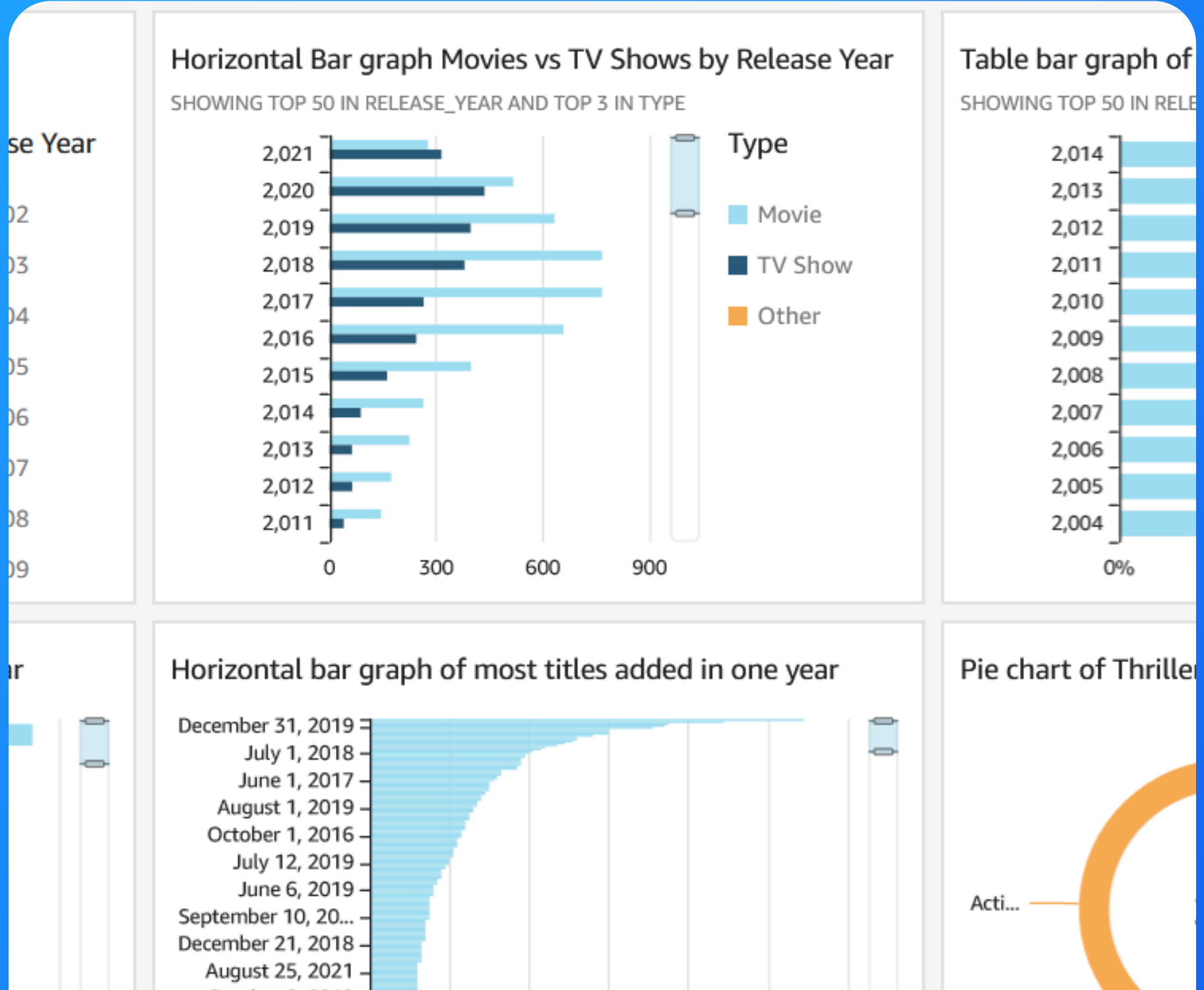
Introducing Amazon QuickSight!

What it does & how it's useful

Amazon QuickSight helps us to analyse data and create visualisations easily.

How I'm using it in today's project

I'm using Amazon QuickSight in this project to...
Tip: Keep your comments here to 250 characters or less 😉
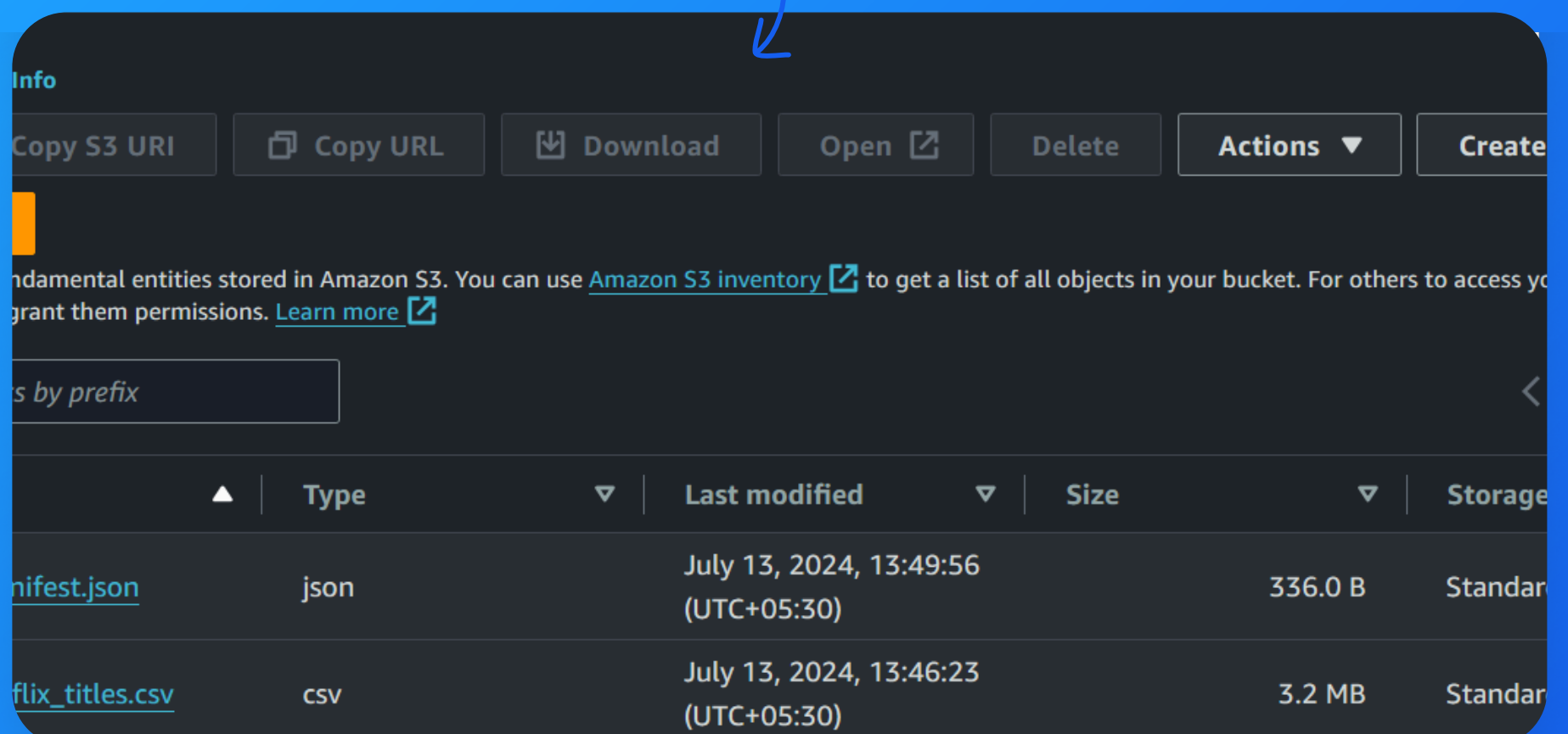
This project took me...

This project took me around 60 mins to complete. Documentation took me around 20 mins to write.

Upload project files into S3

- S3 is used in this project to store two files, the netflix dataset and manifest.json.

- I edited the manifest.json file by changing the url of location of the csv file. This is required to visualize the netflix data from quicksight.

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

Info

Copy S3 URI | Copy URL | Download | Open | Delete | Actions ▼ | Create

ndamental entities stored in Amazon S3. You can use Amazon S3 inventory ↗ to get a list of all objects in your bucket. For others to access yo grant them permissions. Learn more ↗

s by prefix

|	Type	Last modified	Size	Storage
nifest.json	json	July 13, 2024, 13:49:56 (UTC+05:30)	336.0 B	Standar
flix_titles.csv	csv	July 13, 2024, 13:46:23 (UTC+05:30)	3.2 MB	Standar

Create QuickSight account

- It costed $0 / ₹0 for creating an account in QuickSight .

- Creating a QuickSight account took me around 5 mins.

- I also had to enable QuickSight's access to S3 so that it can read the data present inside the S3 bucket.

Voila! I created my QuickSight account successfully.
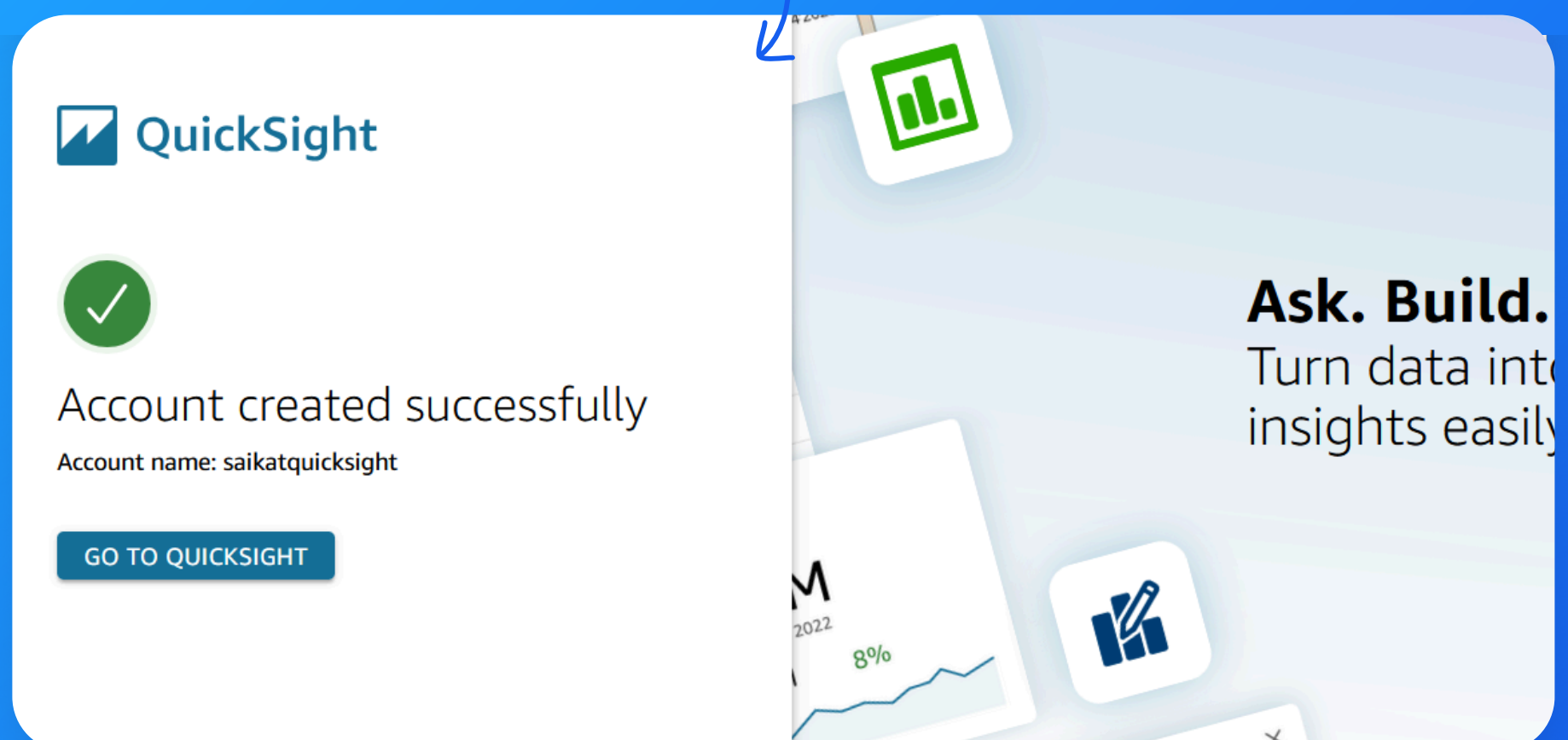
Connect S3 + QuickSight

- I connected the S3 bucket to QuickSight by selecting the new data source option . There I entered the data source name and entered the manifest.json file url.

- The manifest.json file was important in this step because it is like a map that tells Amazon QuickSight where the data lives and how to read the data.

Entering the manifest.json URL.

New S3 data source   ✕

Data source name

kaggle-netflix-data

Upload a manifest file   🔘 URL   ⭕ Upload

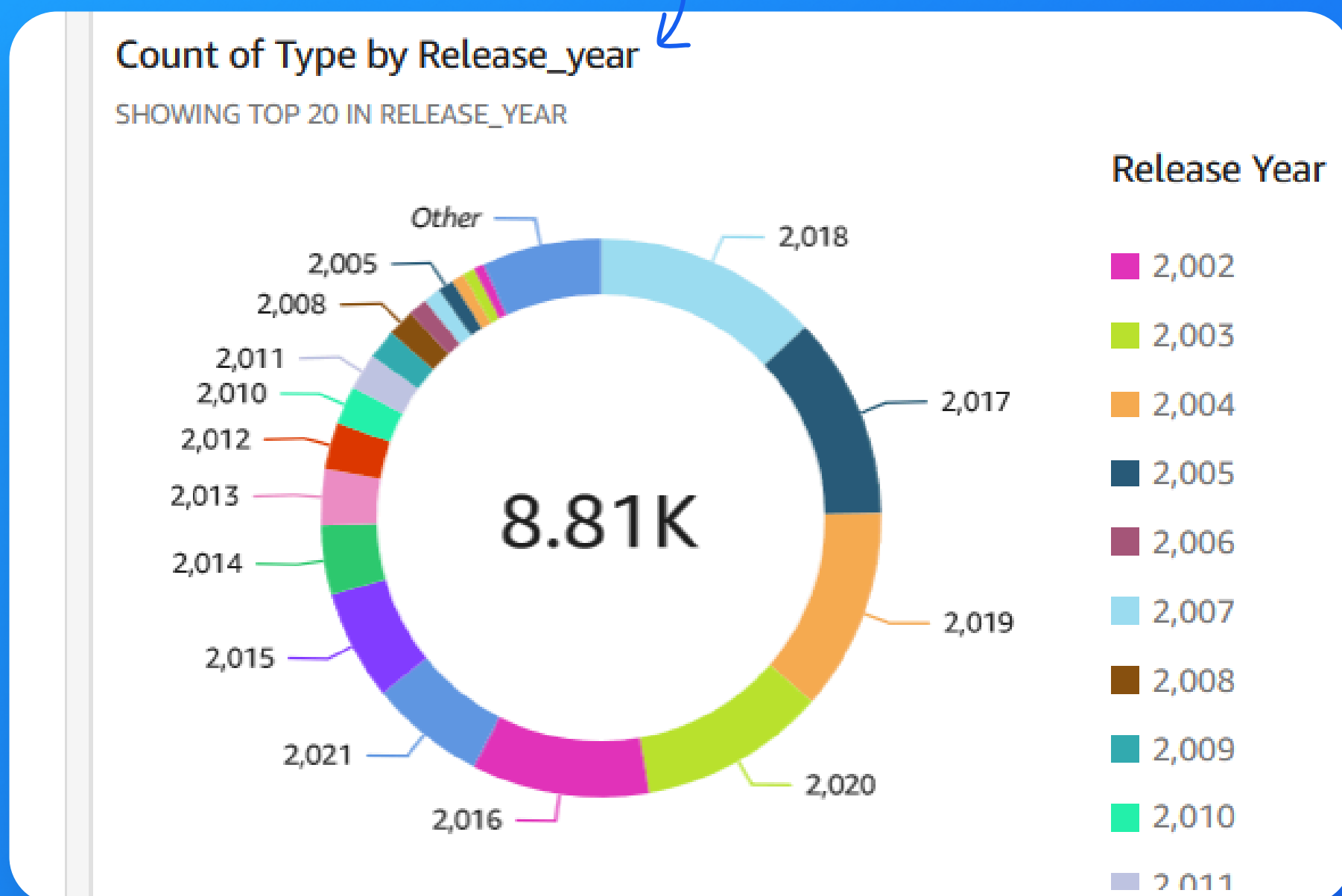nextwork-quicksight-project-saikat.s3.ap-south-1.amazonaws.com/manifest.json

Connect

Let's make visualisations!

- To create visualisation on QuickSight, I selected the type of graph i needed , then selected the fields on different axis. Then chose a color to represent it. Wollah!

- The chart/graph shown here is a breakdown of no. of titles released each year.

One of my first visualisations.

Count of Type by Release_year

SHOWING TOP 20 IN RELEASE_YEAR

Release Year

8.81K

- 2,002
- 2,003
- 2,004
- 2,005
- 2,006
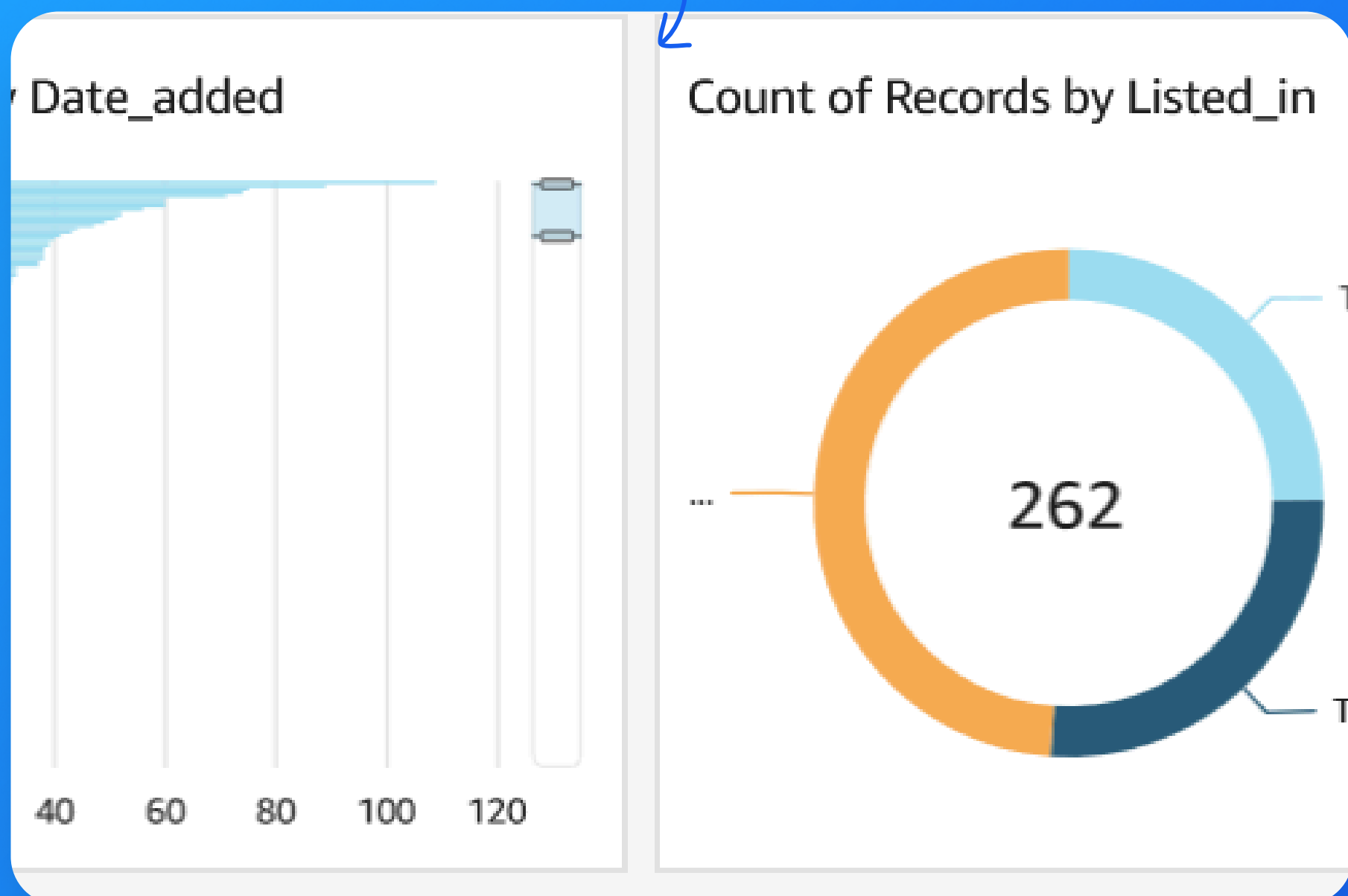- 2,007
- 2,008
- 2,009
- 2,010
- 2,011

Using filters

- Filters are useful for making queries to the data .

- Here I added a filter by using the filter methods by clicking the 3 dots present next to the fileds. This helped me create a visualisation on specific date or any other query.

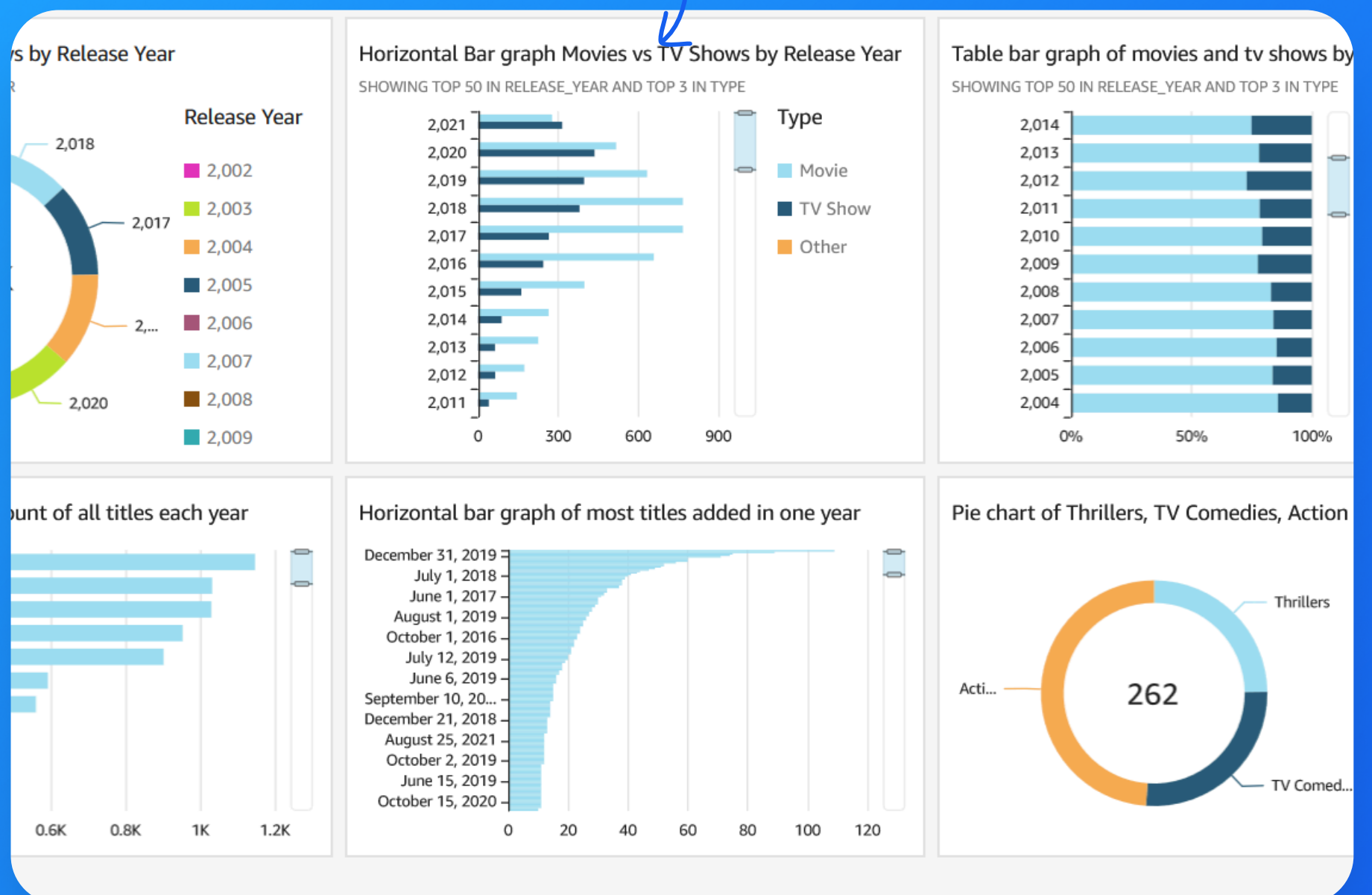A visualisation set up after adding filters.

Setting up the dashboard!

- As a finishing touch, I tiled up all the visualizations exported it.

- I exported the dashboard as a pdf by publishing it by clicking the publish button.

Voila! Here's the finished dashboard!

My key learnings

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

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

3 Creating visualizations is as simple as making a cake. Some few clicks in the dashboard of quicksight and you are good to go.

4 One thing I didn't expect was it was kind of new to me that creating visualizations could be this fun!