Visualize data with QuickSight

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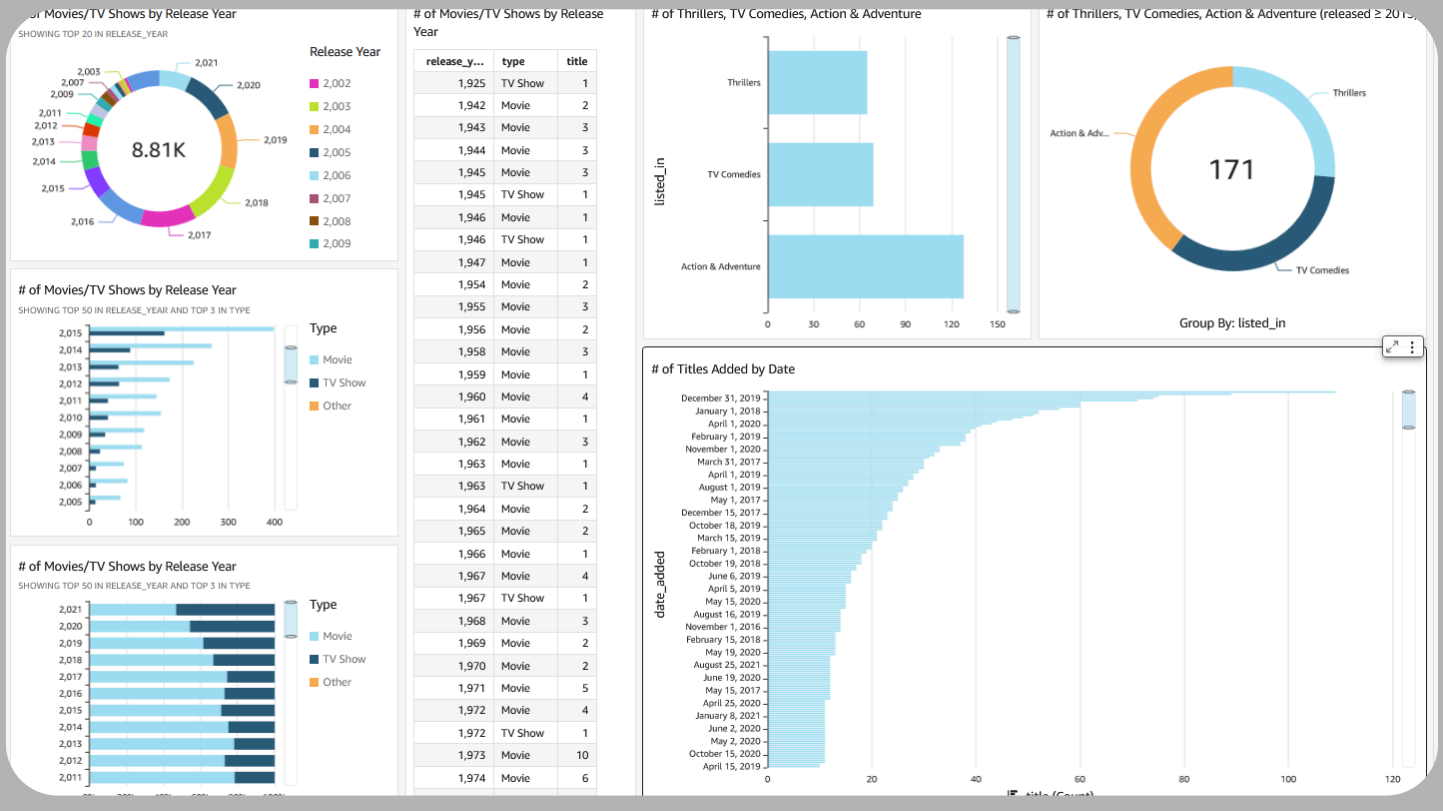
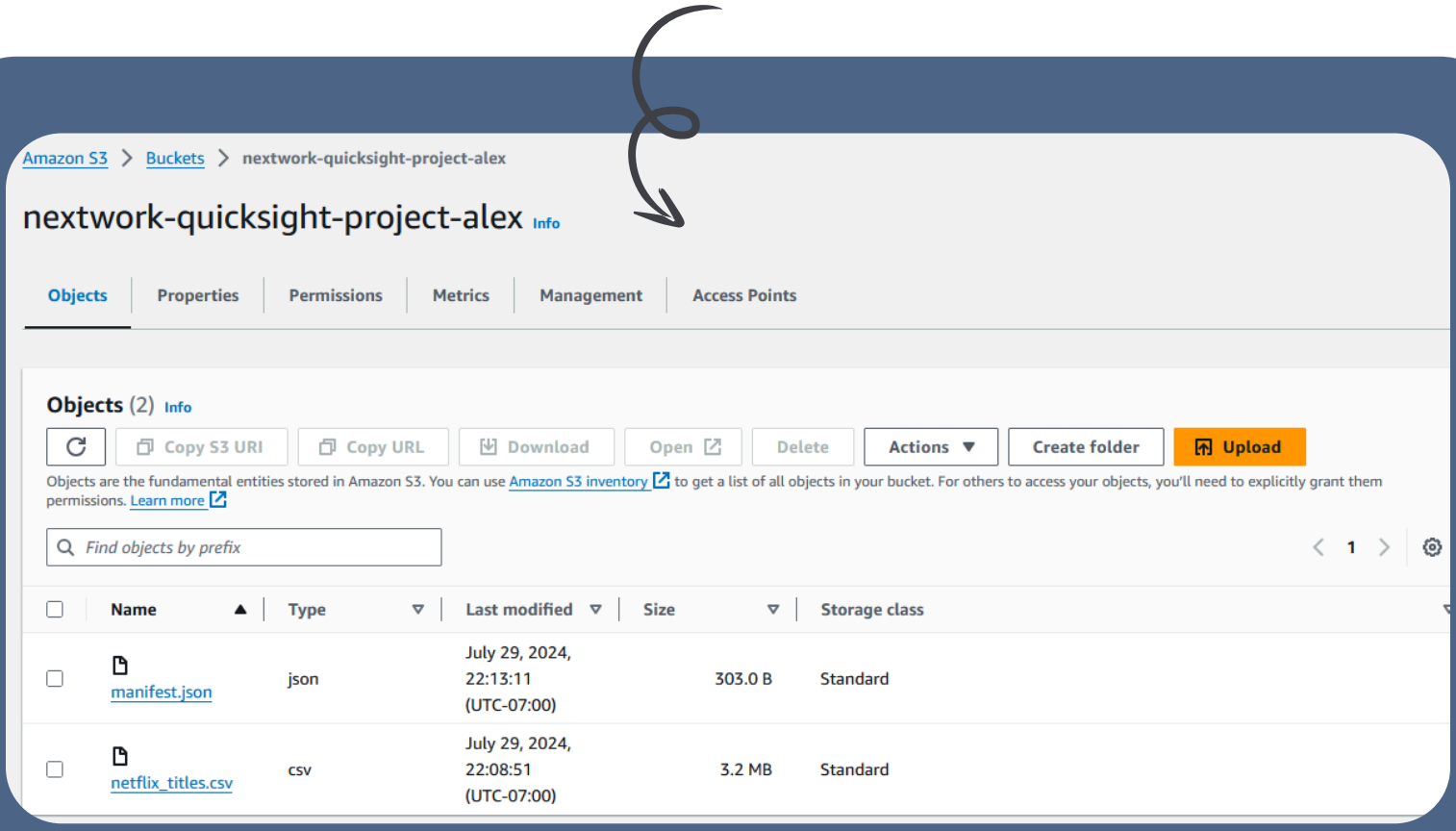


Upload project files into S3

- S3 is used in this project to store my dataset and manifest.json file.

- I edited the manifest.json file by updating the S3 URI of my dataset. It's important to edit this file because keeping an outdated S3 URI means that manifest.json would be directing to the wrong address

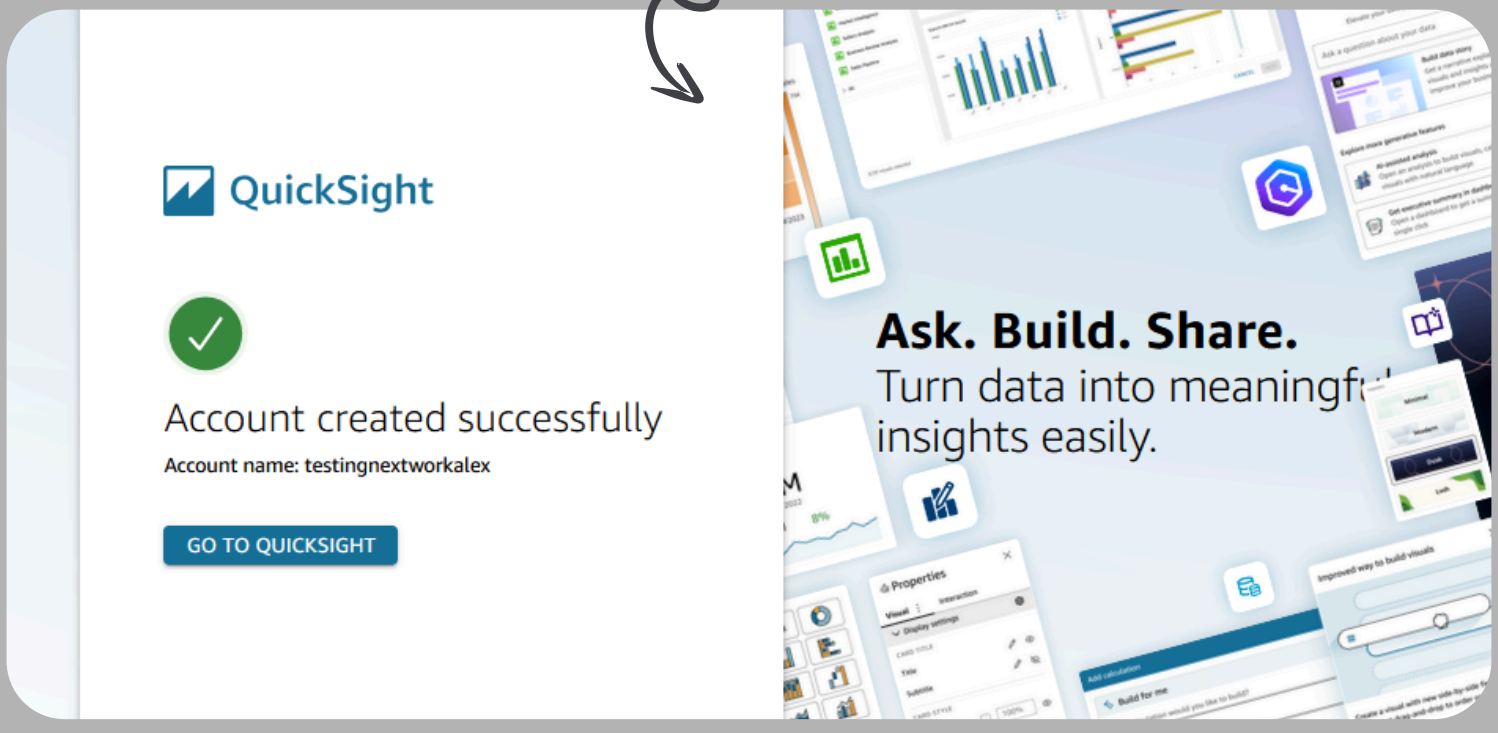
Here's my bucket with the CSV file and manifest.json!



Create QuickSight account

- It is free to make a QuickSight account (the free trail lasts for 30 days), and it took two minutes to set up and wait for accounts creation - pretty fast!
- I also had to enable QuickSights's access to S3 because my dataset it stored in an in an S3 bucket - and specific access to that bucket is required for QuickSight to process that date
- I ran into an error during the account creating as my account name included spaces- but that had an easy fix!

Voila! I created my QuickSight account successfully.

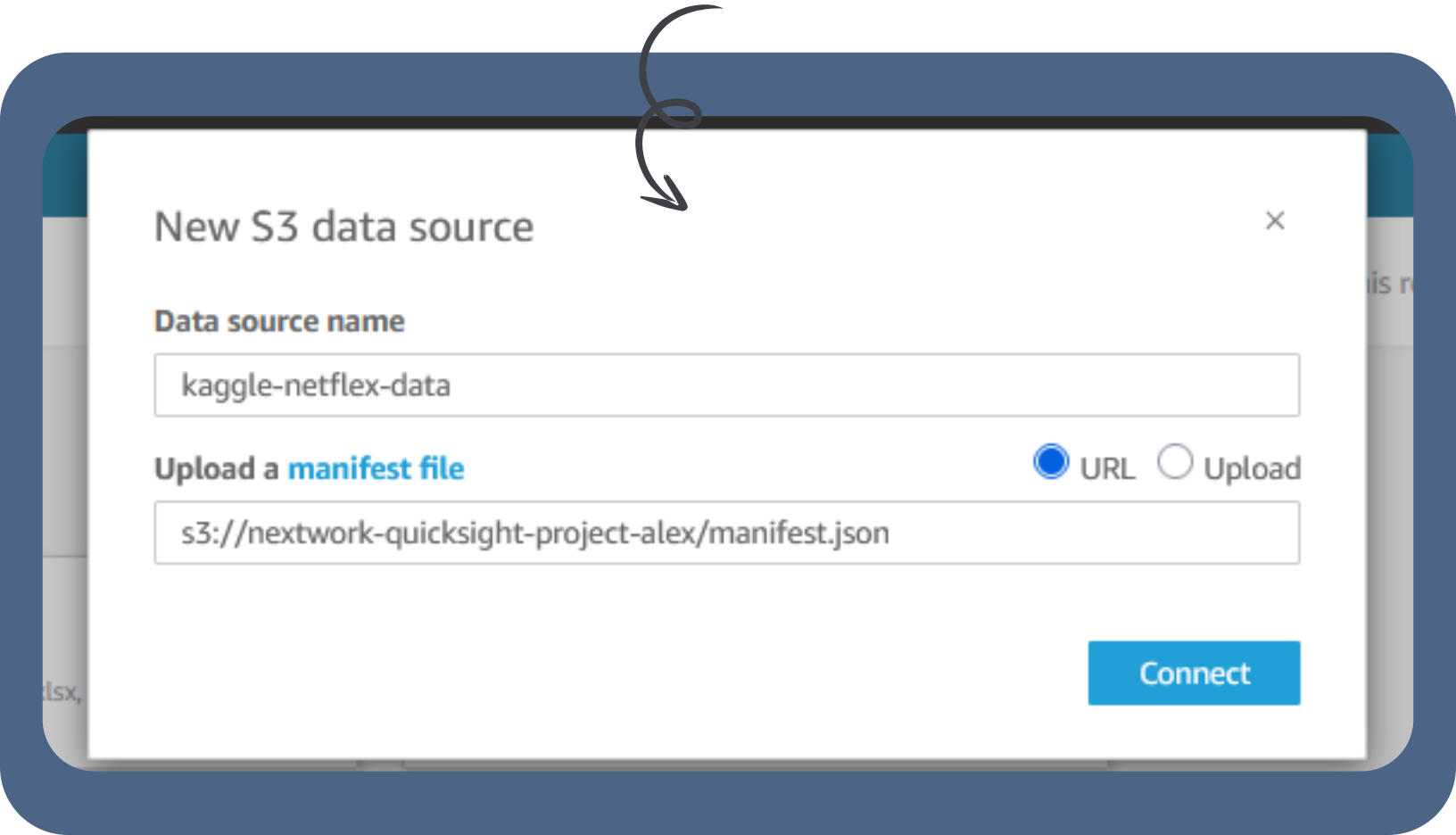


Connect S3 + QuickSight

- I connected the S3 bucket to QuickSight by...

- The manifest.json file was important in this step because...

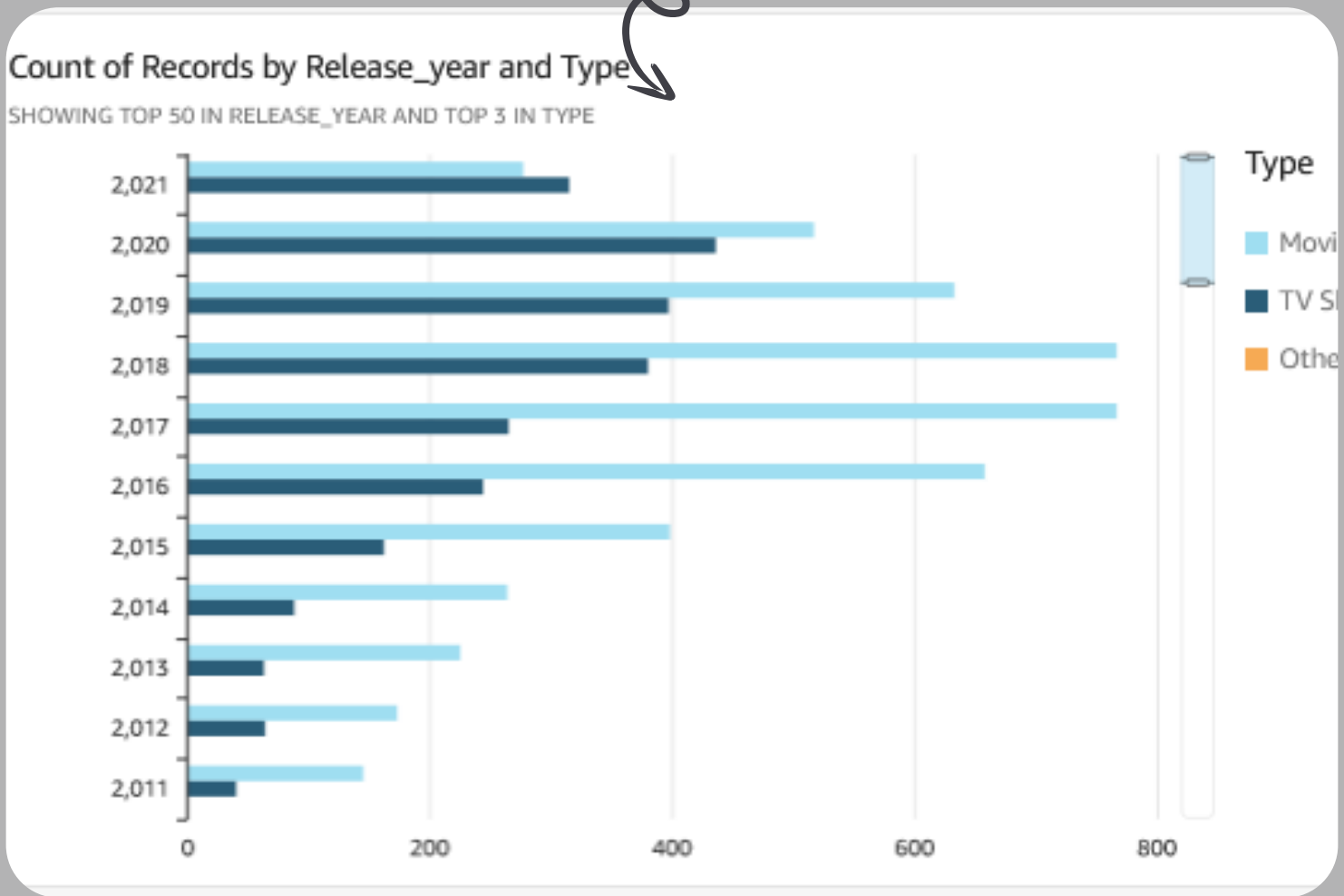
Entering the manifest.json URL.



Let’s make visualizations!

- To create visualization on QuickSight, you’ll have to drag relevant fields into the QuickSight dashboard’s AutoGraph space
- The chart/graph shown here is a breakdown of movies vs TV shows for every release year.
- I created this graph by putting the relese year on the y-axis, and making the type (i.e. movie or tv show) the grouping variable.

One of my first visualizations.

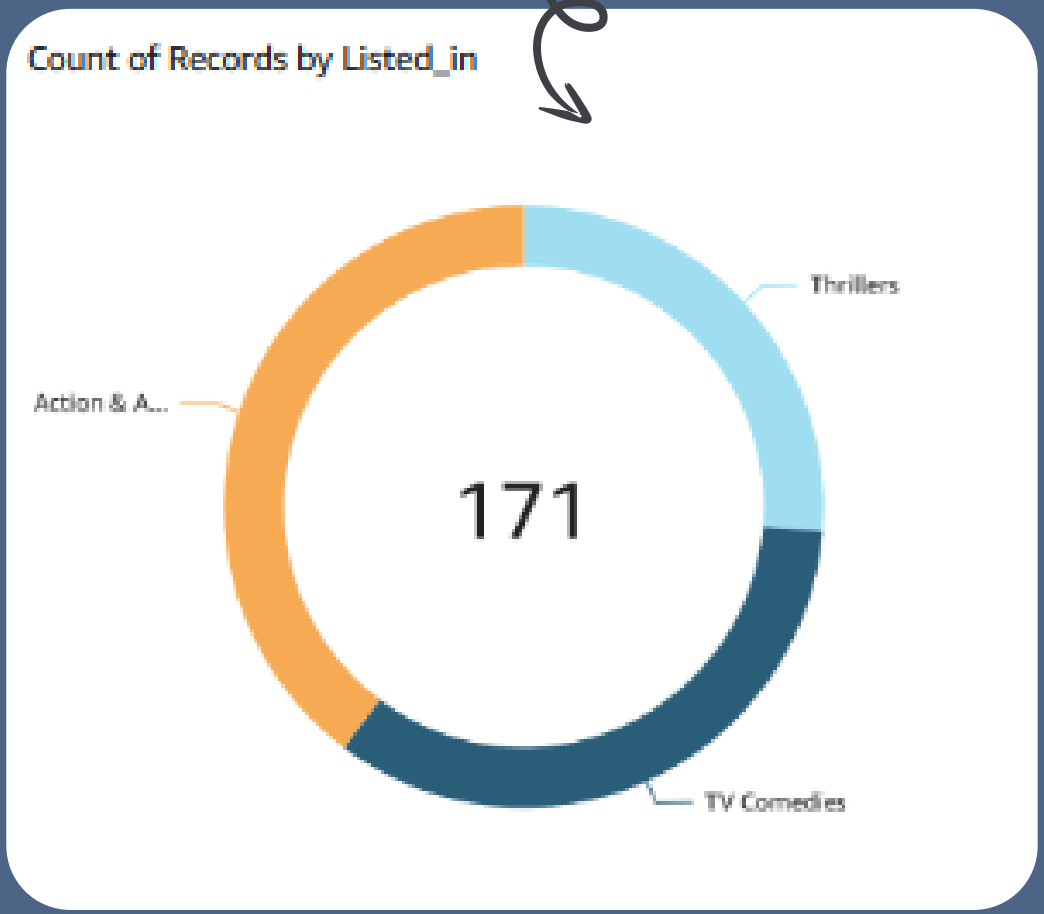


Using filters

- Filters are useful for specifying the exact subset of data that you are wanting to analyze - effectively excluding any irrelevant data.

- Here I added a filter by excluding movies and TV shoes that were released before 2015. This helped me create a visualization on movies and TV shoes of the three genres i specified that were released form 2015 onward

A visualization set up after adding filters for releases date and listed categories



Set up your dashboard!

- As a finishing touch, I edited the titles of my graphs so that the purpose of each chart is clear to the reader.

- Did you know you could export your dashboard as PDFs too? I did this by publishing my dashboard, and using the export function

Voila! Here's the finished dashboard!