

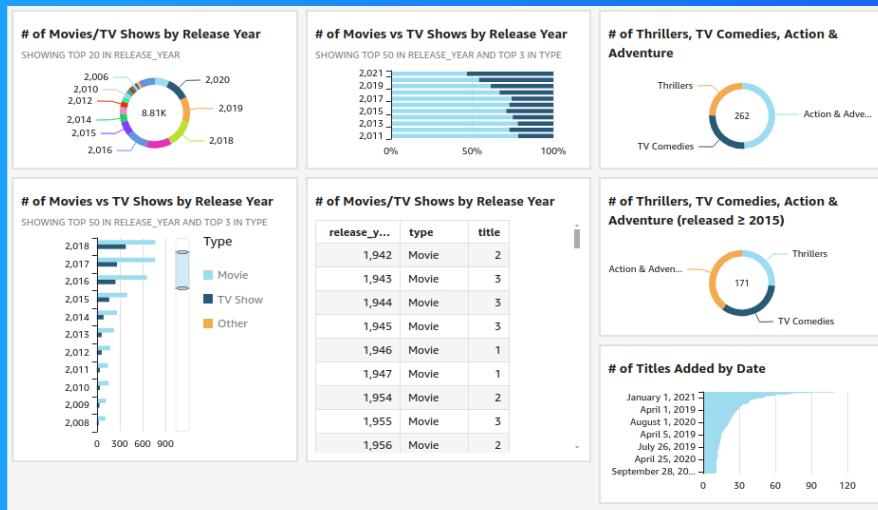


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# Visualize data with QuickSight



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# Introducing Today's Project!

## What is Amazon QuickSight?

Amazon QuickSight is a cloud-based BI service that enables data visualization and analysis. It's useful for creating interactive dashboards, gaining insights from data, and sharing reports, with scalability and integration with AWS services.

## How I used Amazon QuickSight in this project

I used it to visualize data by creating various charts.

## One thing I didn't expect in this project was...

The QuickSight product can be so clear and user-friendly.

## This project took me...

It took me about an hour and a half.

# Upload project files into S3

S3 is used in this project to store two files, which are `netflix_titles.csv` (this file contains all the data we're analysing) and `manifest.json`. Later, QuickSight will connect to S3 to use the data in this bucket and create visualisations.

I edited the `manifest.json` file by replacing the existing default URL with the S3 URL of my dataset.

Objects (2) <a href="#">Info</a> <a href="#">C</a> <a href="#">Copy S3 URI</a> <a href="#">Copy URL</a> <a href="#">Download</a> <a href="#">Open</a> <a href="#">Delete</a> <a href="#">Actions</a> <a href="#">Create folder</a> <a href="#">Upload</a>						
Objects are the fundamental entities stored in Amazon S3. You can use <a href="#">Amazon S3 Inventory</a> to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. <a href="#">Learn more</a>						
<input type="text"/> <a href="#">Find objects by prefix</a>						
<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class	⋮
<input type="checkbox"/>	<a href="#">manifest.json</a>	json	December 18, 2024, 16:01:01 (UTC+02:00)	301.0 B	Standard	<a href="#">Edit</a>
<input type="checkbox"/>	<a href="#">netflix_titles.csv</a>	CSV	December 18, 2024, 15:56:42 (UTC+02:00)	3.2 MB	Standard	<a href="#">Edit</a>

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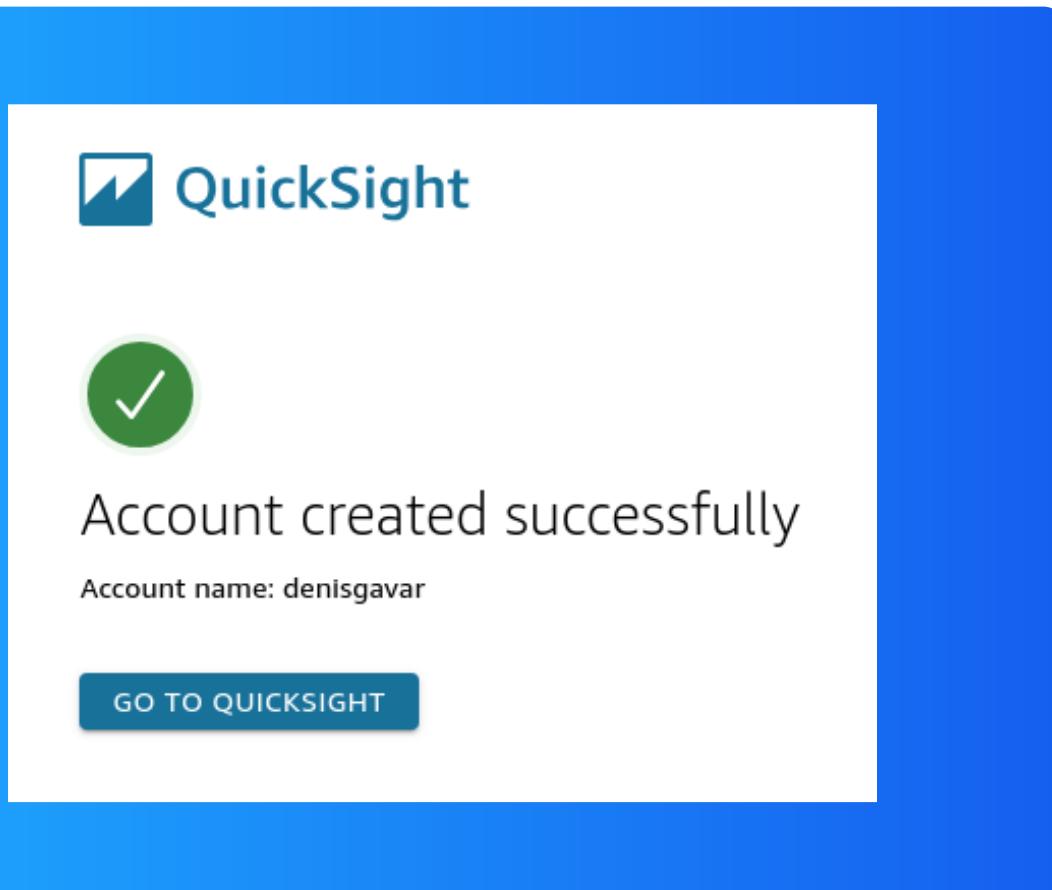
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# Create QuickSight account

Creating a QuickSight account cost 0\$, it's free.

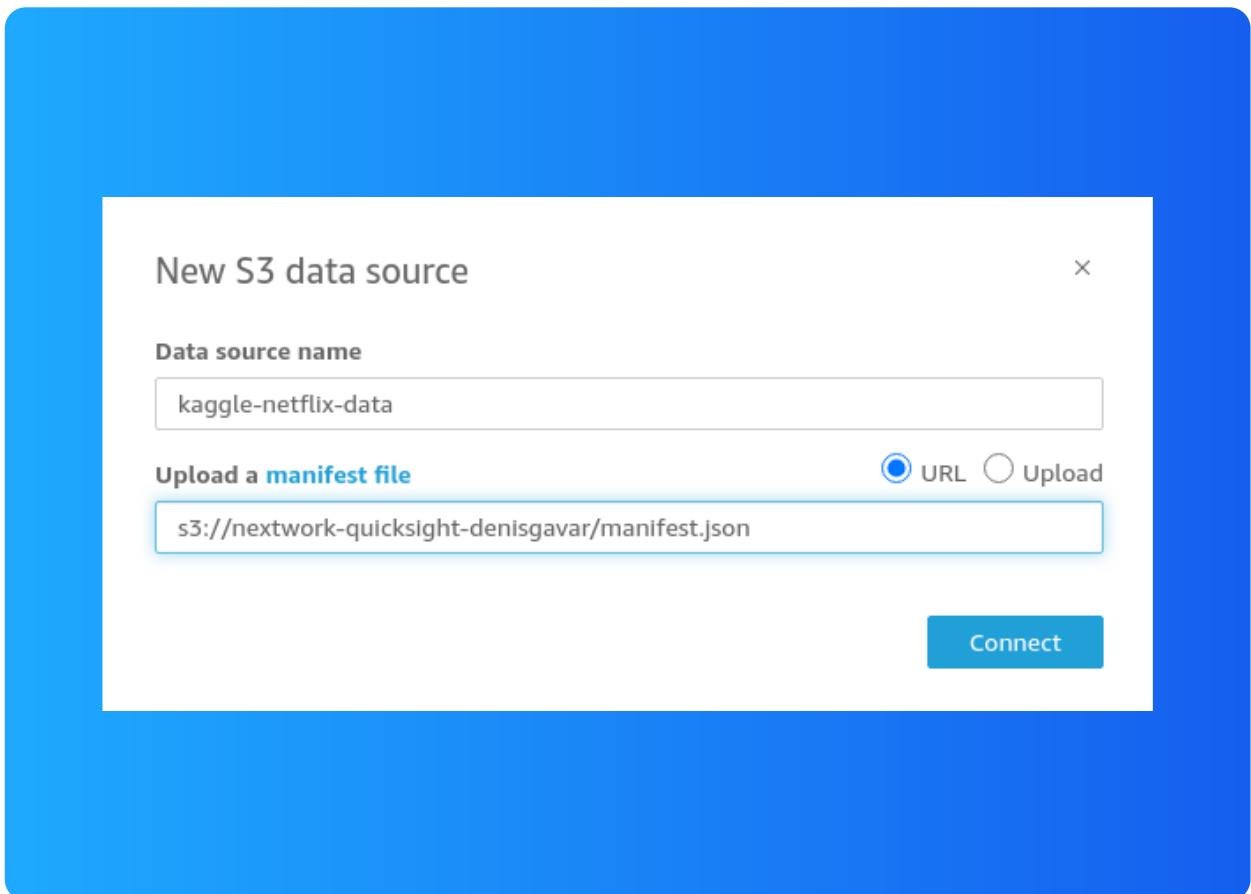
Creating an account only took me a couple minutes.



# Download the Dataset

I connected the S3 bucket to QuickSight by visiting "New Data Set" page.

The manifest.json file was important in this step because it tells QuickSight what your dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs.

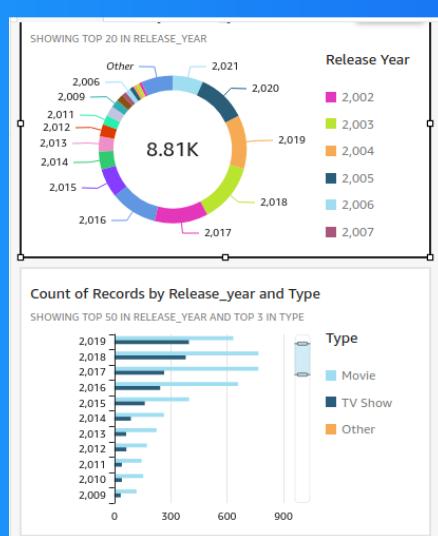


# My first visualization

To create visualizations on QuickSight, I simply drag and drop the required data onto the worksheet.

The chart/graph shown here is a breakdown of TV shows vs movies for every year.

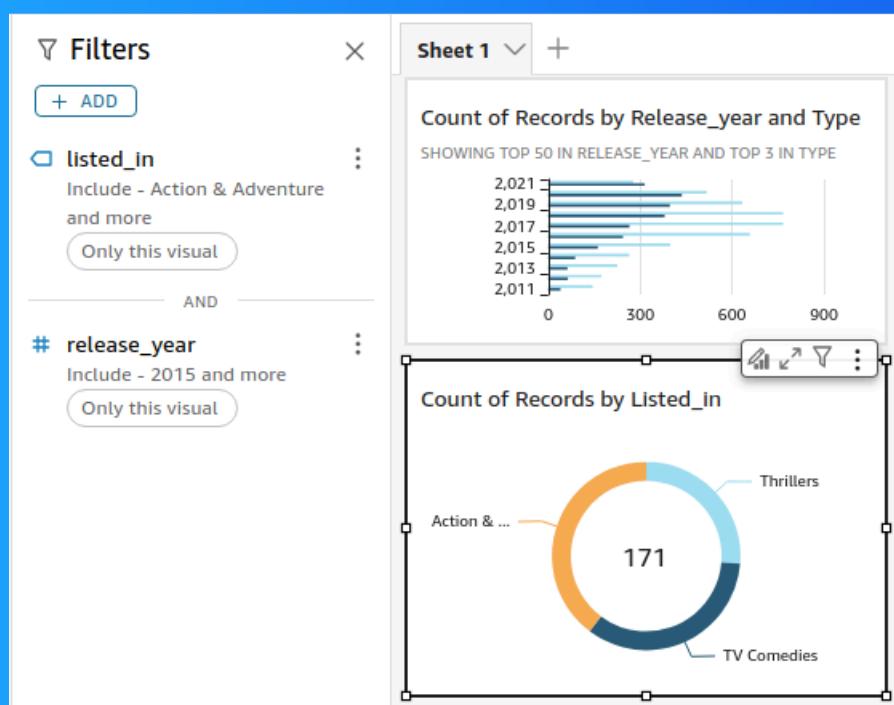
I created this graph by dragging and dropping release\_year label into the Y Axis heading and the type label into the Group/Color heading.



# Using filters

Filters are useful for getting only the information you need, cutting off unnecessary information.

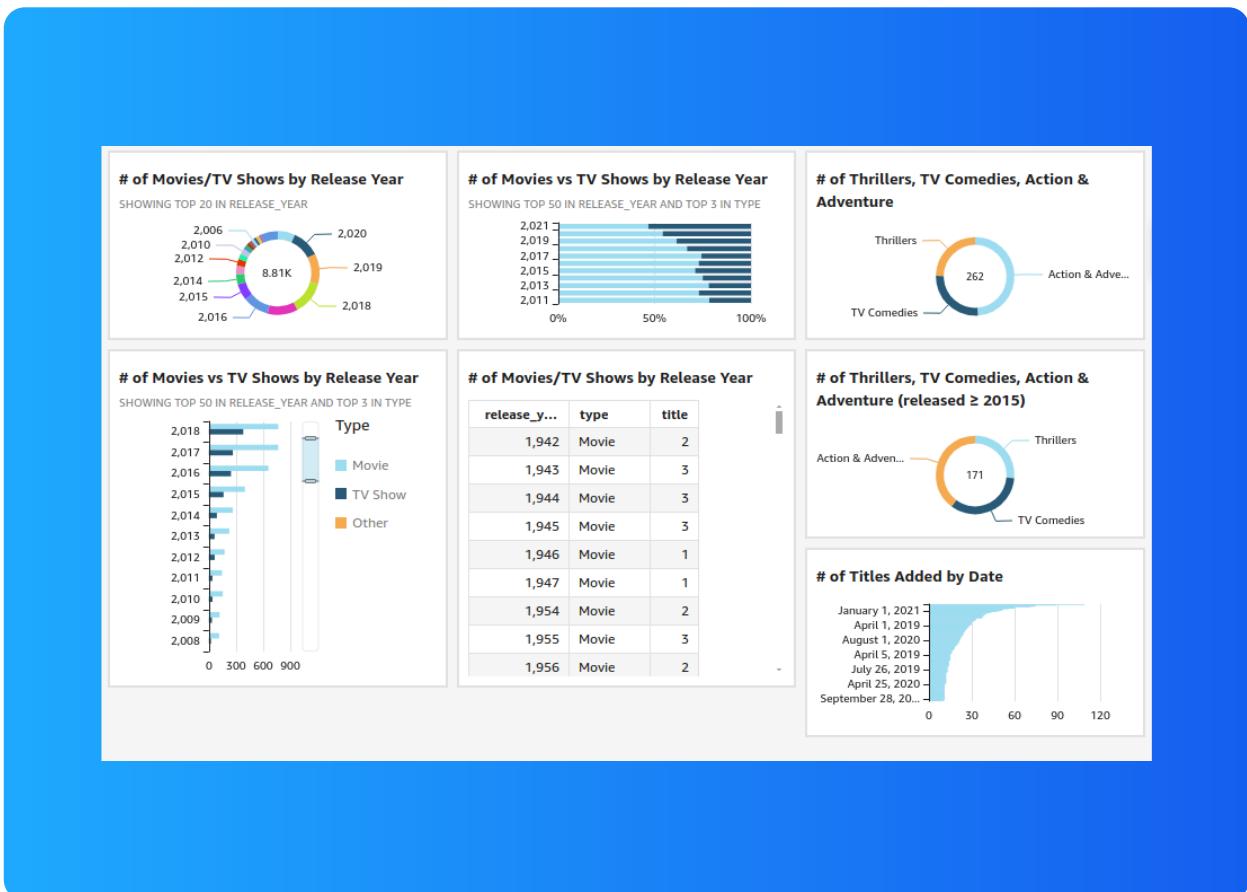
This visualization is a breakdown of TV shows and movies that were categorized as 'Action & Adventure', 'TV Comedies', or 'Thrillers' and released in 2015 or later. Here I've added a filter on the 'listed\_in' and 'release\_year' fields.



# Setting up a dashboard

As a finishing touch, I named all of my charts.

Did you know you could export your dashboard as PDFs too? I did this by opening the dashboard and then selecting the 'Export' icon -> 'Generate PDF' in the top right corner.





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