

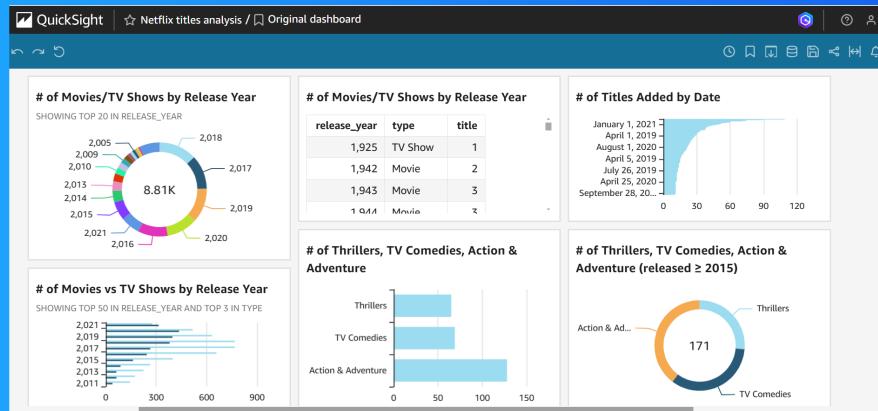


NextWork.org

Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight helps you analyse data and create visualisations easily.

How I used Amazon QuickSight in this project

I used Amazon QuickSight to analyse a huge dataset of Netflix shows and movies to create a dashboard that extracts all the juicy insights.

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

I didn't expect to get errors that kept long before I could figure it out.

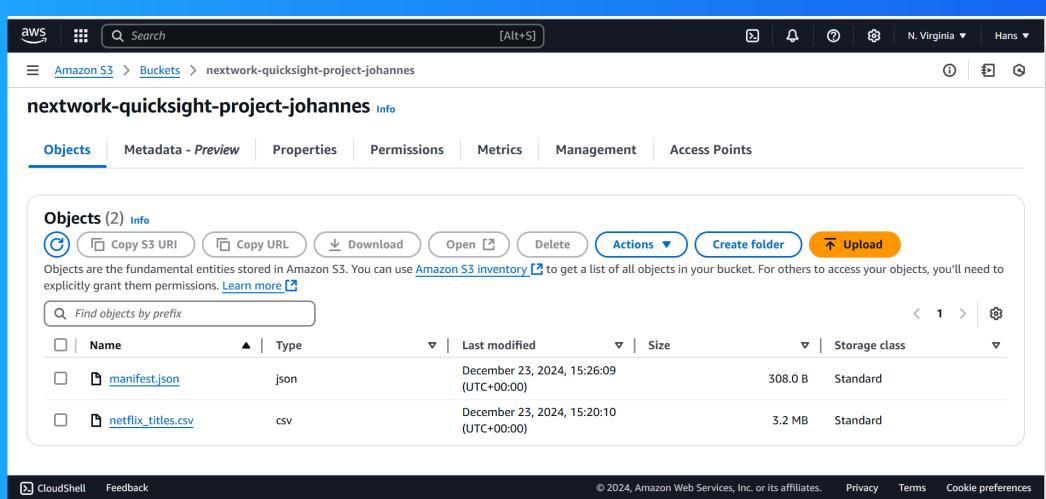
This project took me...

It took me about an hour and half to complete this project.

Upload project files into S3

S3 is used in this project to store two files, which are manifest.json file and netflix_titles.csv file.

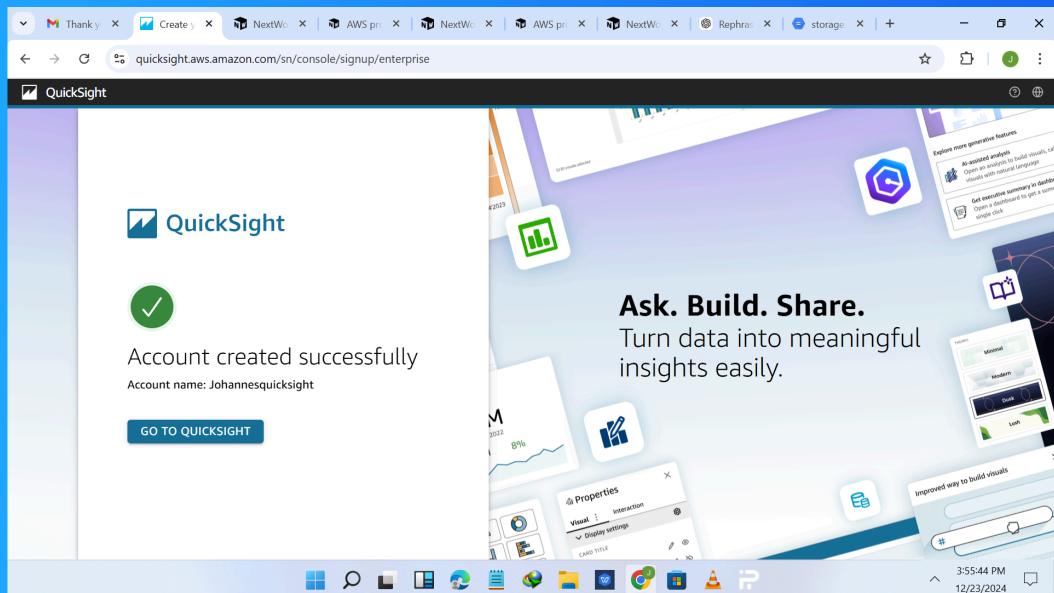
I edited the manifest.json file by updating the S3 URI of my dataset. It's important to edit this file because keeping the outdated S3 URI means that manifest.json would be directing to the wrong address.



Create QuickSight account

Creating a QuickSight account cost nothing

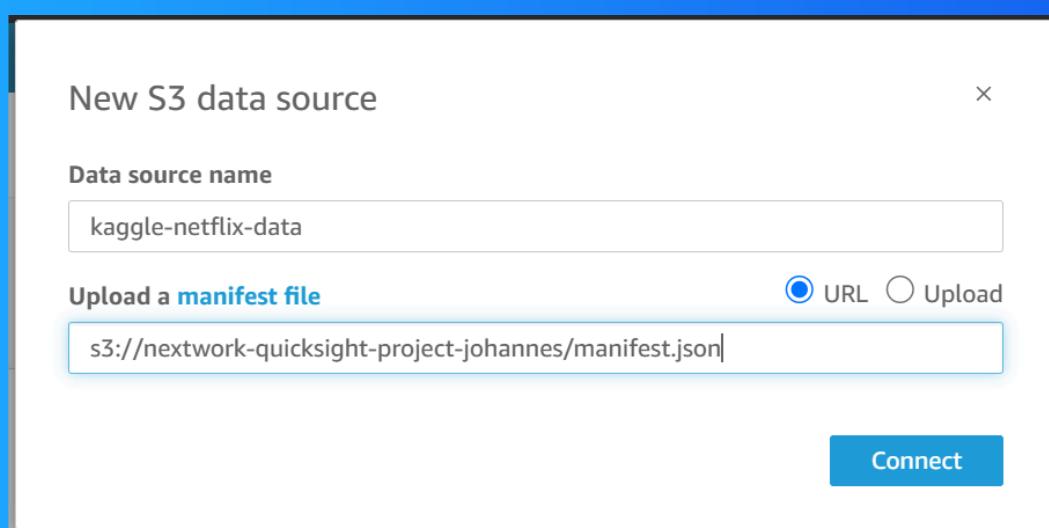
Creating an account took me a minute.



Download the Dataset

I connected the S3 bucket to QuickSight by visiting the left hand navigation bar, selected Datasets, then New dataset then Selected S3

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

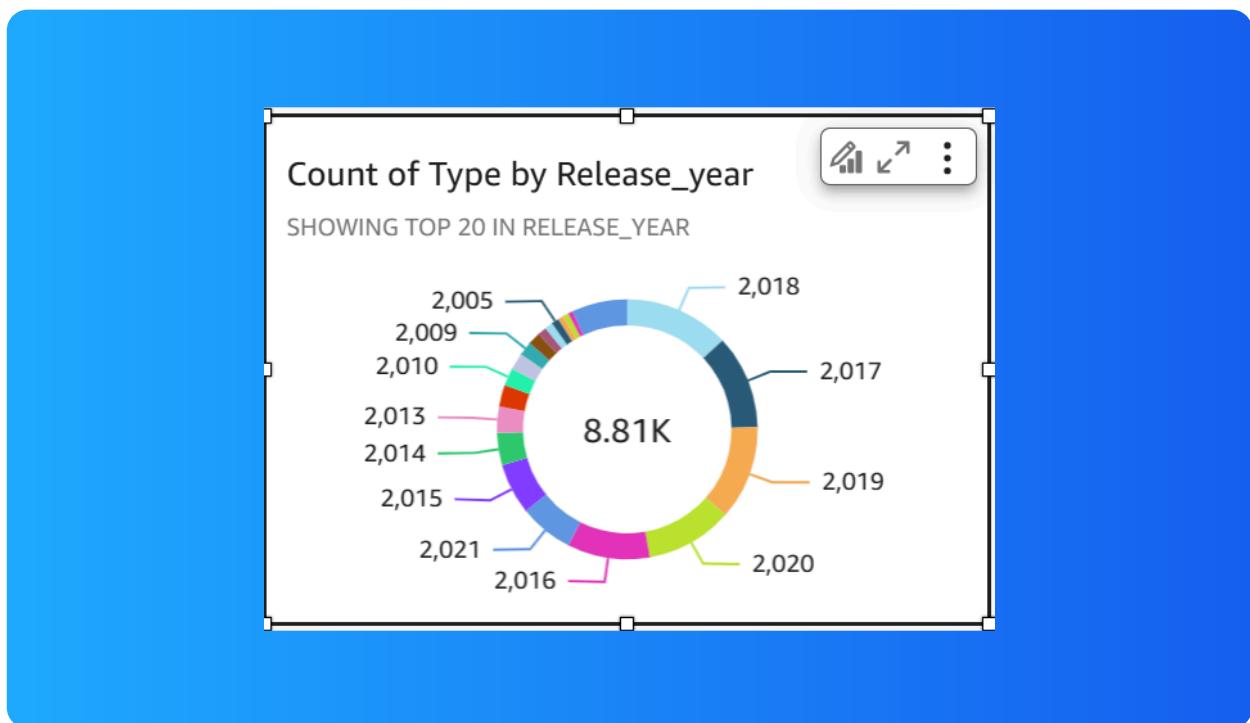


My first visualization

To create visualizations on QuickSight, 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.

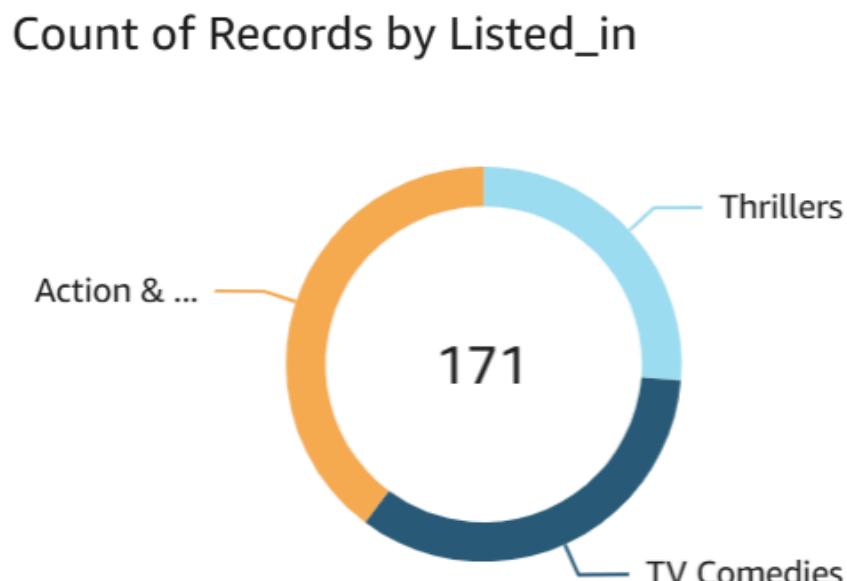
I created this graph by dragging and dropping the release year on the y-axis and making the type (i.e movie or tv show) the grouping variable.



Using filters

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

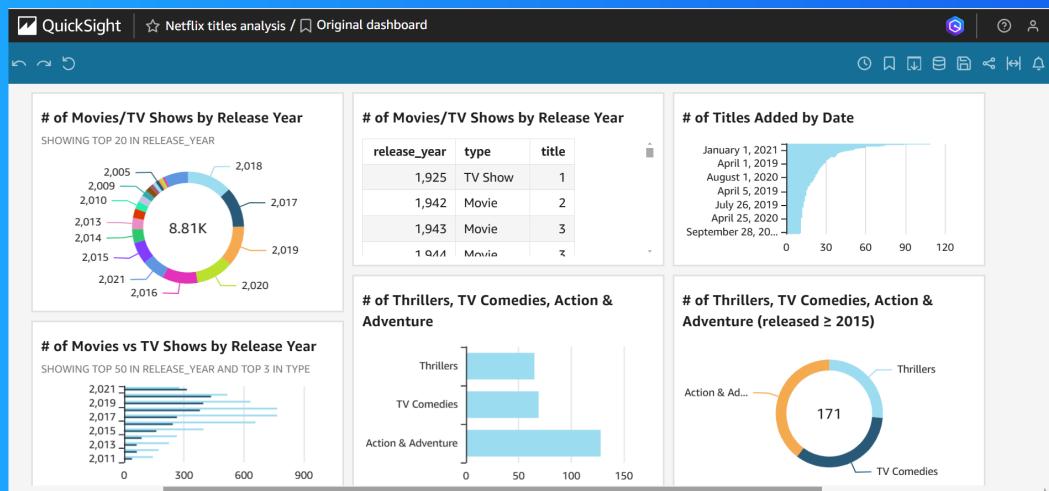
This visualization is a breakdown of movies and TV shows of the three genres I specified that were released from 2015 onwards. Here I added a filter by excluding movies and TV shows



Setting up a dashboard

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

Did you know you could export your dashboard as PDFs too? I did this by, selecting the Export icon on the top right hand corner then select Generate PDFs. Wait for the PDF to be ready, then select Download when you see that green banner pop up!





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