

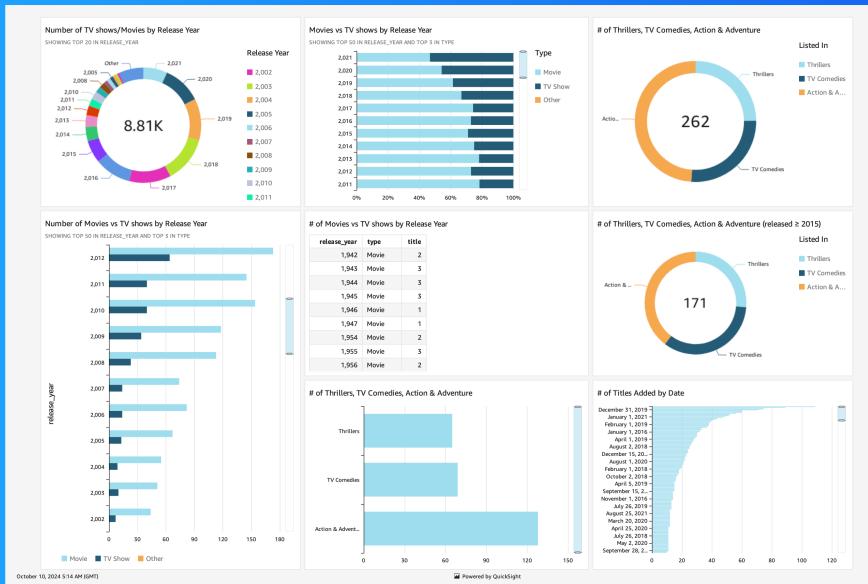


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Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a very useful tool that lets you create and share interactive dashboards, visualizations, and insights quickly and securely.

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...

One thing I didn't expect in this project was how easy and quick it was to make insightful visualisations using Amazon QuickSight. It made the job so much easier.

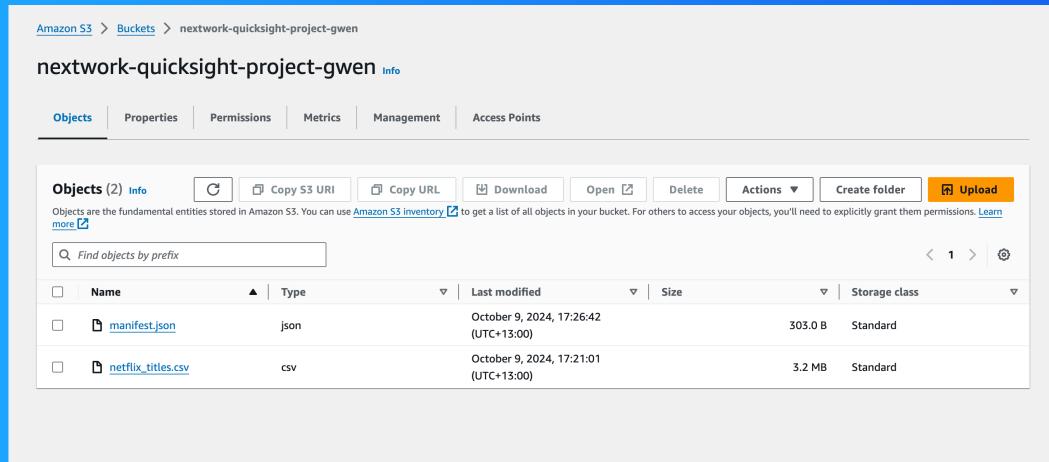
This project took me...

It took me two hours to finish this project

Upload project files into S3

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

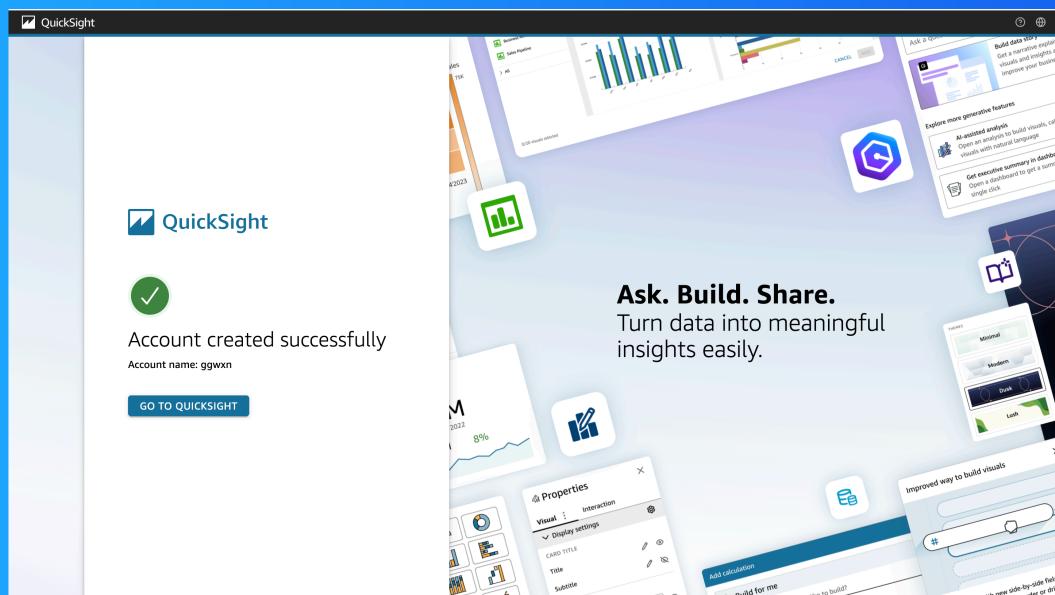
I edited the manifest.json file using Visual Studio Code 2, and I replaced the URL in the JSON file with the S3 URL of my CSV file. It is important to edit this so that our JSON file will connect to the right CSV URL.



Create QuickSight account

Creating a QuickSight account is free! As long as you delete your QuickSight account at the end of your session.

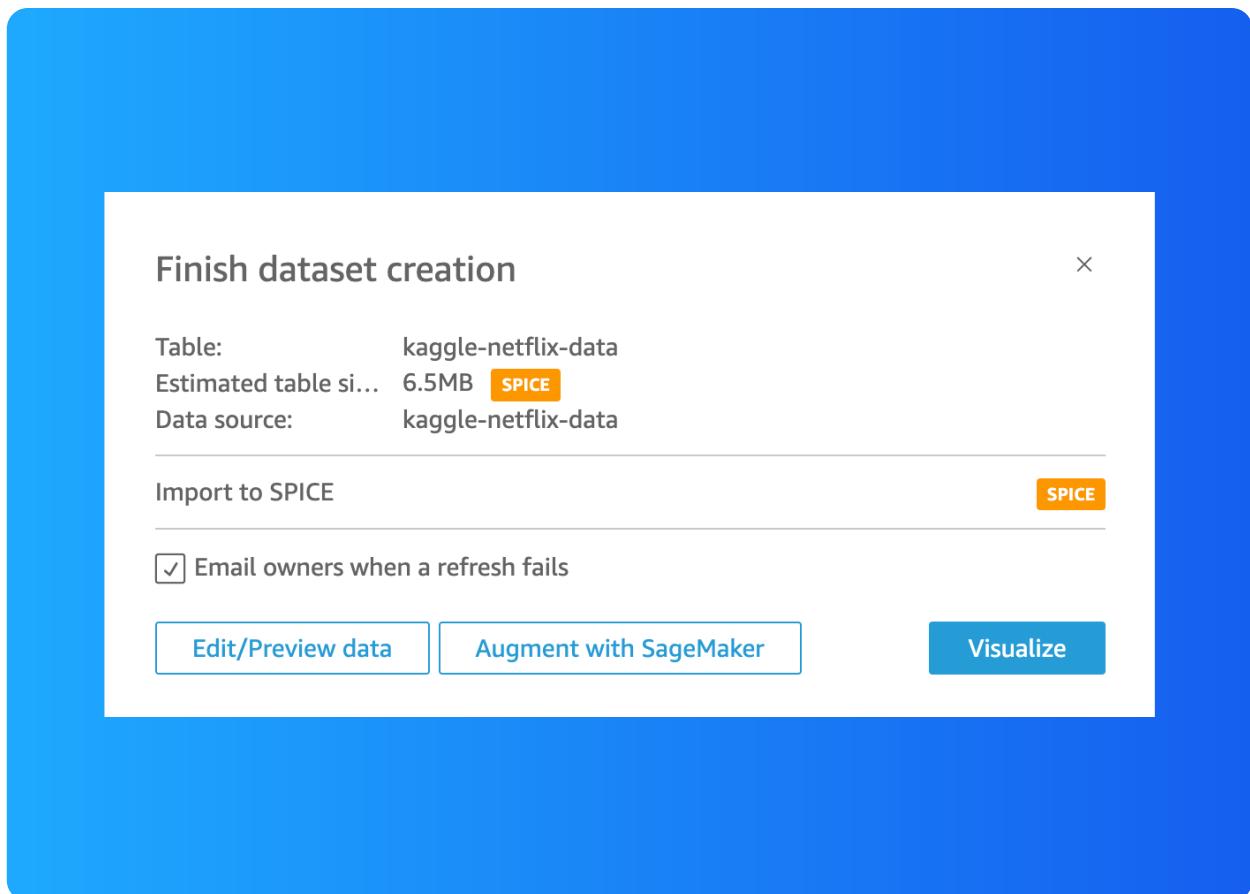
Creating an account took me 5 mins.



Download the Dataset

I connected the S3 bucket to QuickSight by visiting Datasets in Quicksights menu. I made a new dataset using S3.

The manifest.json file was important in this step because the manifest.json file is like a map that tells Amazon Quicksight where your data lives and how to read your data. In doing this, Quickset can properly present your data in charts or graphs.

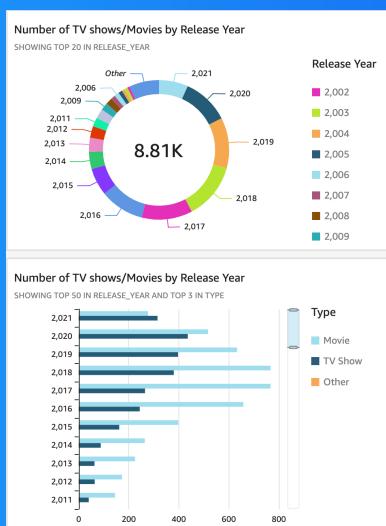


My first visualization

To create visualisations on Quicksight, I dragged a field from the left hand navigation panel into the Y axis heading and I chose which chart I wanted. In this case, I chose a donut chart and a horizontal bar chart.

The first graph shows the number of movies/TV shows by release year, and the second graph shows the number of movies/TV shows by release year with the type (Movie, TV show, Other).

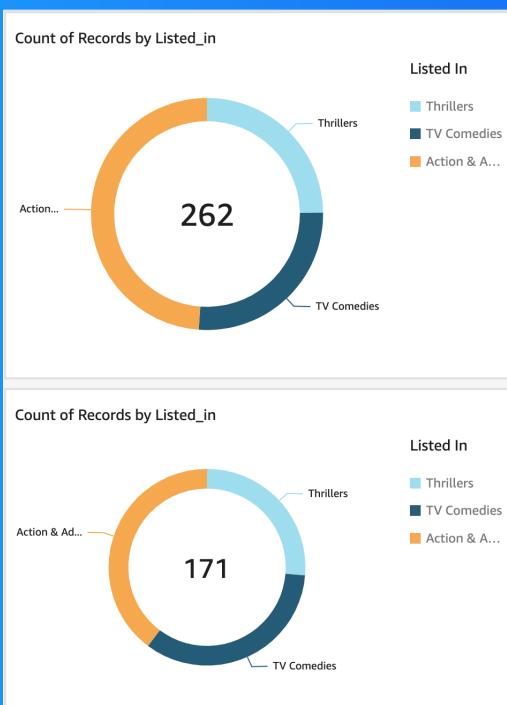
I created this graph by dragging and dropping the release year field in the Y-axis heading and using the type field for the group/colour heading.



Using filters

Filters are useful for filtering out information of the field that we don't need so we can simplify and see the results more clearly. This lets us focus only on information that we actually need.

The first donut chart is a breakdown of TV shows and movies filtered by genre: 'Action & Adventure', 'TV Comedies', or 'Thrillers'. I added a filter by clicking the three dots next to the field listed in and deselected the Select All checkbox.



Setting up a dashboard

As a finishing touch, I changed the titles of each graph so anyone can understand them at a glance.

Did you know you could export your dashboard as PDFs, too? I did this by publishing my work. After that, I clicked the export button in the top right-hand corner and downloaded my pdf. How easy!





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