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Visualize data with QuickSight



Ogun Tari Joseph





Introducing Today's Project!

In this project, I will demonstrate visualizing in AWS. I'm doing this project to learn about Quicksight.

Tools and concepts

Services I used were Amazon 23 and Amazon Quicksight. Key concepts I learnt include visualizations, filtering, dataset loadup, and preparation.

Project reflection

This project took me approximately an hour. The most challenging part was creating more visuals without guidance, but it was more rewarding after I did them and saw that I did them the right way.

After this project, I plan to work on another AWS Beginner project.



Upload project files into S3

S3 is used in this project to store two files, which are the dataset file, which is in a CSV format, and the manifest file, which is in JSON format.

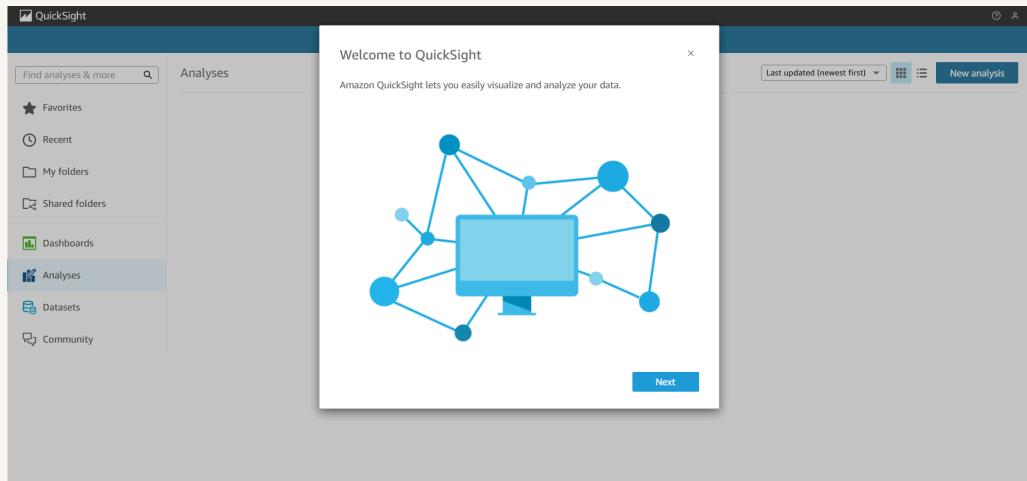
I edited the manifest.json file by adding the S3 URL of the CSV file. It's important to edit this file because this will allow the presentation of the dataset in the visualization to follow the format of the manifest file.

Name	Type	Last modified	Size	Storage class
manifest.json	json	June 13, 2025, 14:06:45 (UTC+01:00)	358.0 B	Standard
netflix_titles.csv	csv	June 13, 2025, 14:04:24 (UTC+01:00)	3.2 MB	Standard

Create QuickSight account

Creating a QuickSight account is free, but can also cost money if you select the very last option.

Creating an account took me about a minute to complete.

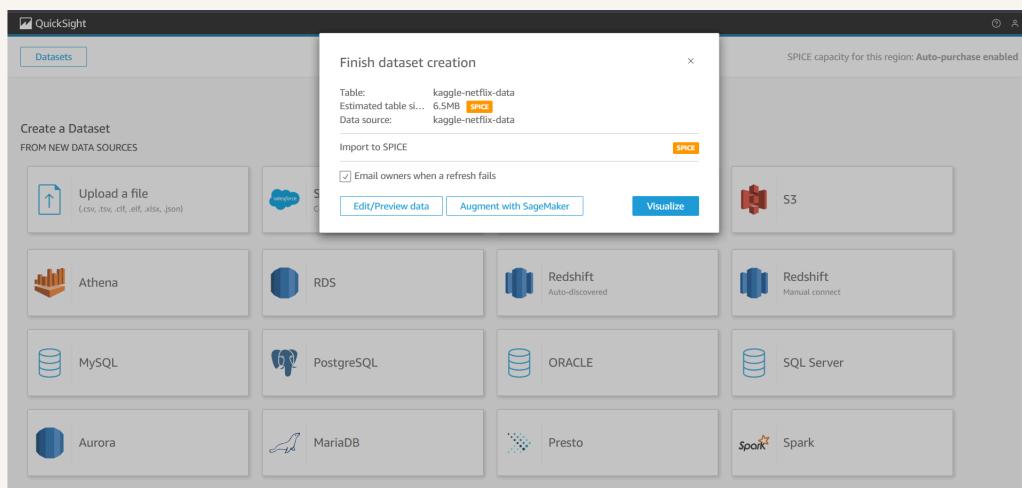




Download the Dataset

I connected the S3 bucket to QuickSight by visiting the dataset section.

The manifest.json file was important in this step because it is what enables Quicksight to understand the structure of the dataset and how to read it>



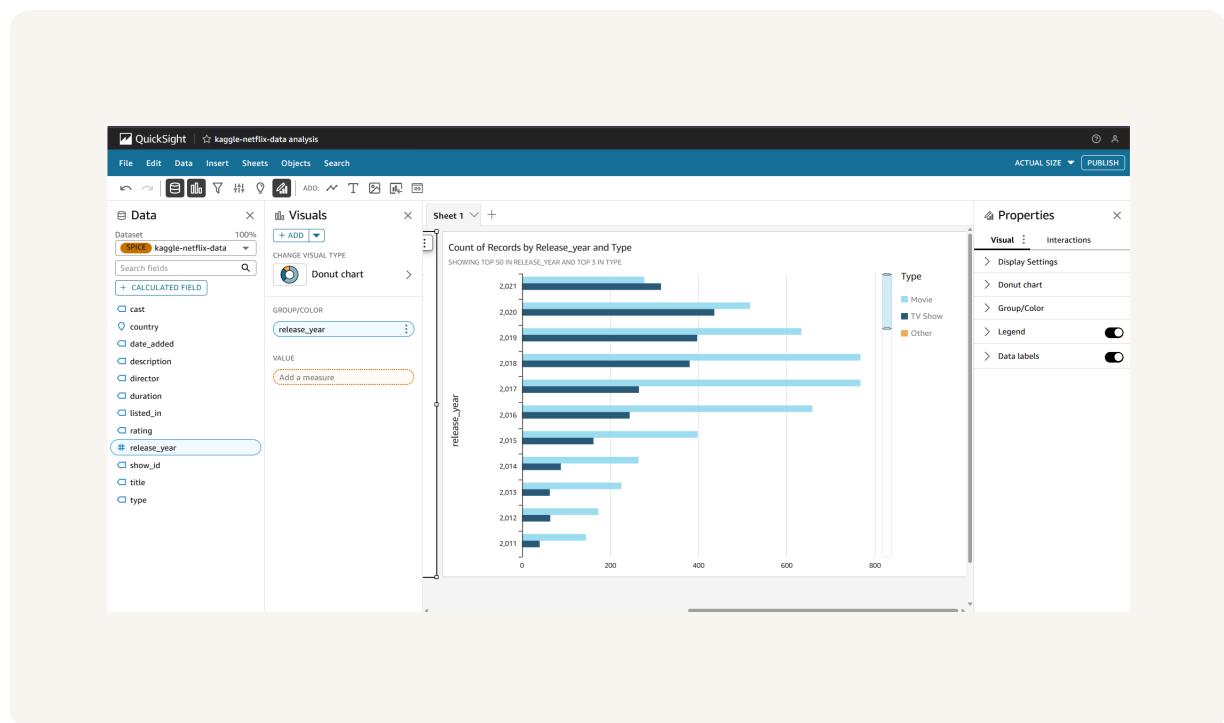


My first visualization

To create visualizations on QuickSight, I selected the type of visual I wanted and then dragged the fields I wanted to showcase to said visual.

The chart/graph shown here is a breakdown of the number of TV shows and movies released on a yearly basis.

I created this graph by dragging and dropping a field called "release_year", used the "show_id" as a form of color differentiation and labelling the visual as "# of Movies vs TV Shows by Release Year"

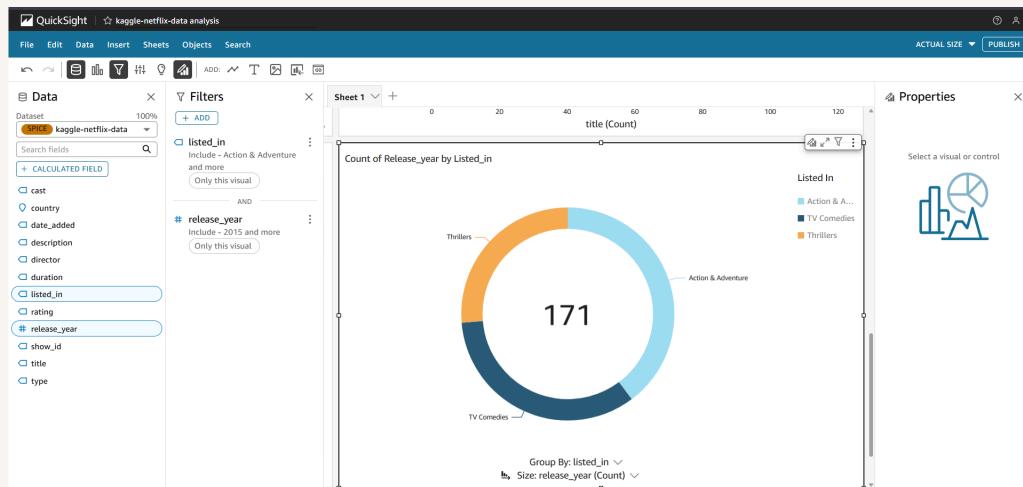




Using filters

Filters are useful for showing the visualizations that tell the story of a specific context.

This visualization is a breakdown of data that is sourced from Netflix and shows the categories of movies available, the years they were released, and so on.





Setting up a dashboard

As a finishing touch, I added a few more descriptions to make the visualizations look more presentable.

I exported my dashboard into a PDF by first generating it as a PDF in Amazon Quicksight and then downloaded it.





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