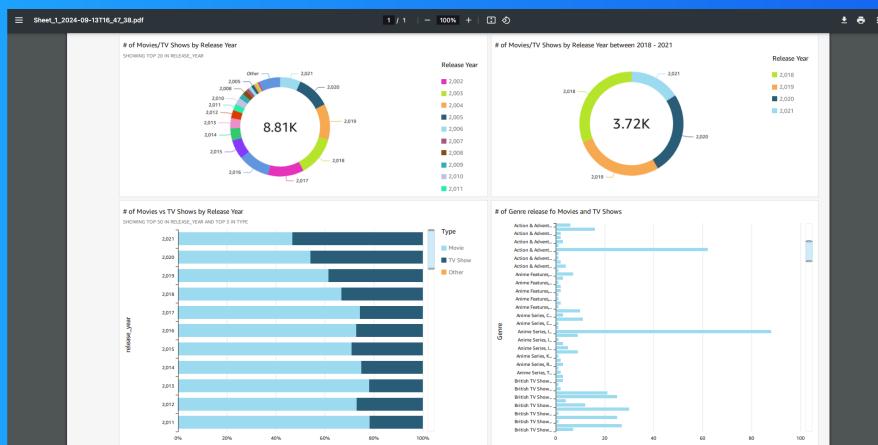




# Visualize data with QuickSight

OT

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# Introducing Today's Project!

## What is Amazon QuickSight?

Amazon QuickSight is useful for quickly analysing and sharing insights, with features like scalability, machine learning insights, and pay-per-session pricing, accessible and cost-effective for businesses.

## How I used Amazon QuickSight in this project

I used Amazon QuickSight to display to effectively analyse Netflix TV Show and Movie data and through creating visualisation which displayed release dates within specific time periods along with categorized genres to narrow down the data further.

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

I didn't expect this project to be so fun. Amazon QuickSight has numerous features which tapped into my creativity and allowed me to play around with different datasets and display features which was very interesting.

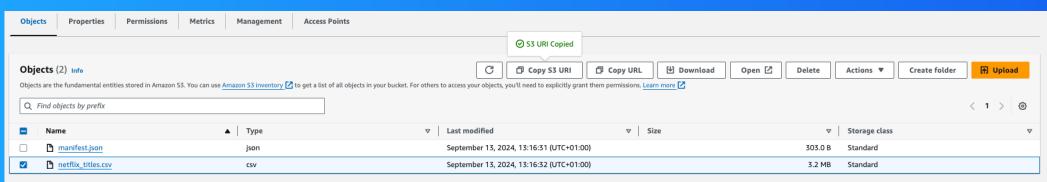
## This project took me...

Overall, This project had taken me 1 hour 3 minutes to complete.

# Upload project files into S3

S3 is used in this project to store two files, which are the manifest.json file and the netflix\_titles.csv file. S3 is a simple storage solution used to support Enables environmental file storage.

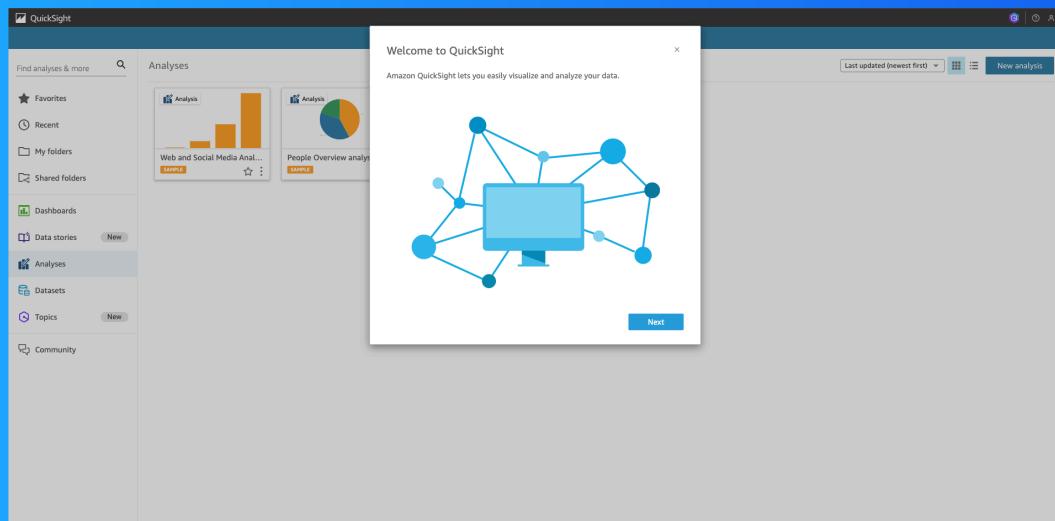
I edited the manifest.json file by using VS Code to replace the URI link within the file with the URI link generated as part of the S3 bucket created. It's important to edit this file because the URIs needs to accurately reflect the object location.



# Create QuickSight account

Creating a QuickSight account cost is priced by user role and offers you the flexibility and simplicity to choose the pricing model. For this project, QuickSight comes with a 30 day free trial so you won't be charged for resource usage.

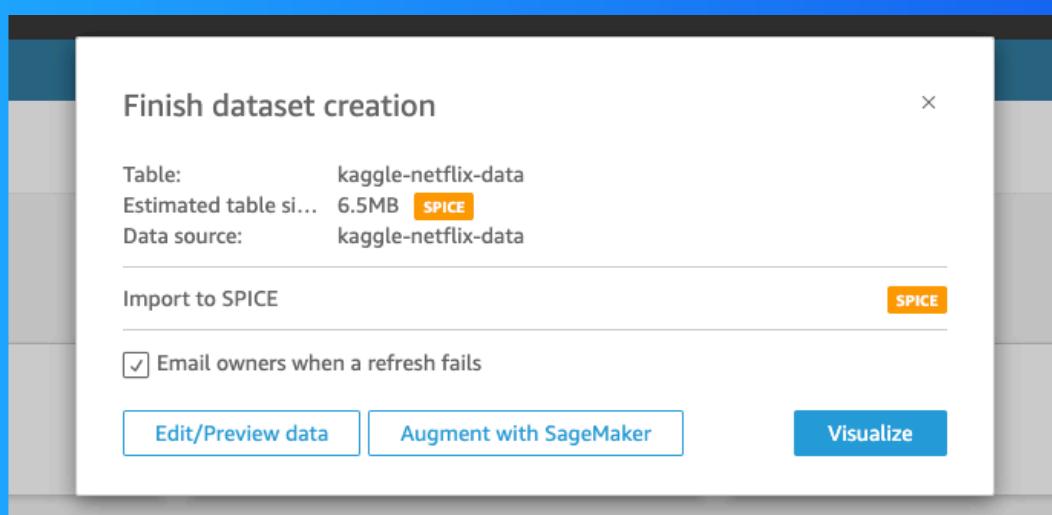
Creating an account took me 2 minutes. It is a fast and efficient process.



# Download the Dataset

I connected the S3 bucket to QuickSight by going the S3 bucket I created, Copying S3 URL of the manifest.json file I uploaded into the bucket and pasting the URL in the second field of the New S3 data source tab.

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

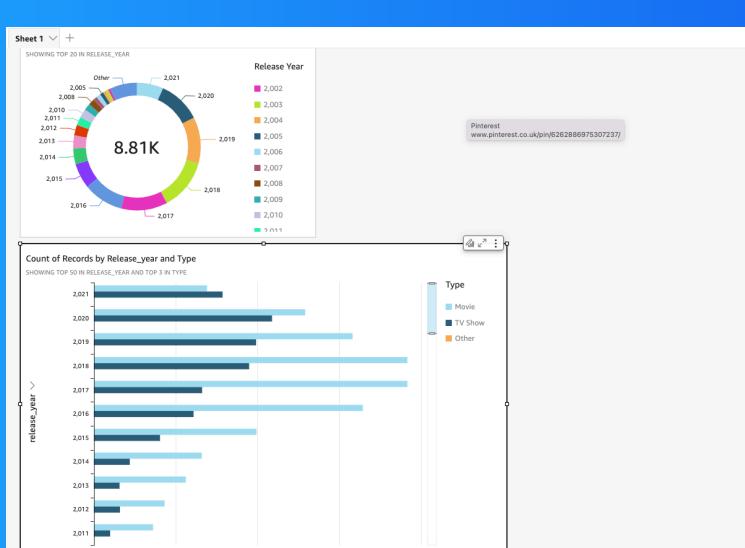


# My first visualization

To create visualizations on QuickSight, I dragged a dataset into the graph to create visualisations. These dataset fields had already been imported from the files uploaded into the S3 Bucket.

The chart/graph shown here is a breakdown of the year that these Netflix-featured TV shows and movies were released in a bar chart and doughnut and barchart form.

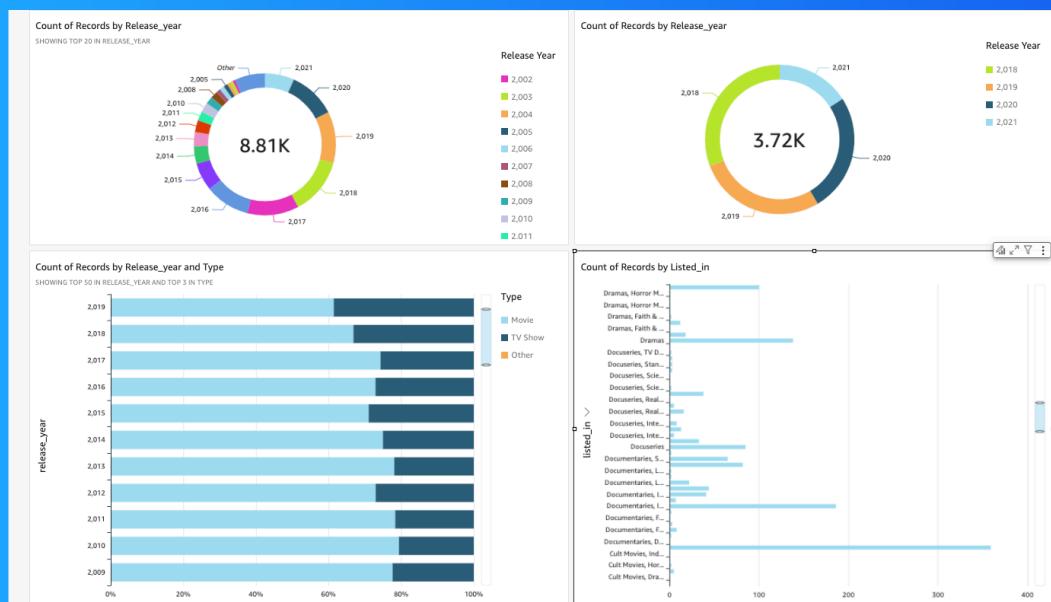
I created this graph by dragging and dropping the release\_year label into the Y Axis heading and dragging the drag the type label into the Group/Color heading.



# Using filters

In Amazon QuickSight, filters are used to limit the data displayed in visualizations, allowing users to focus on specific data subsets. They help customise dashboards, improve performance, and enable dynamic analysis by filtering based on conditions.

This visualisation is a breakdown of different movie releases between specific time periods. Here I added a filter by selecting the 'listed\_in' option and filtering through the desired dates I wanted to visually displayed on the graph.

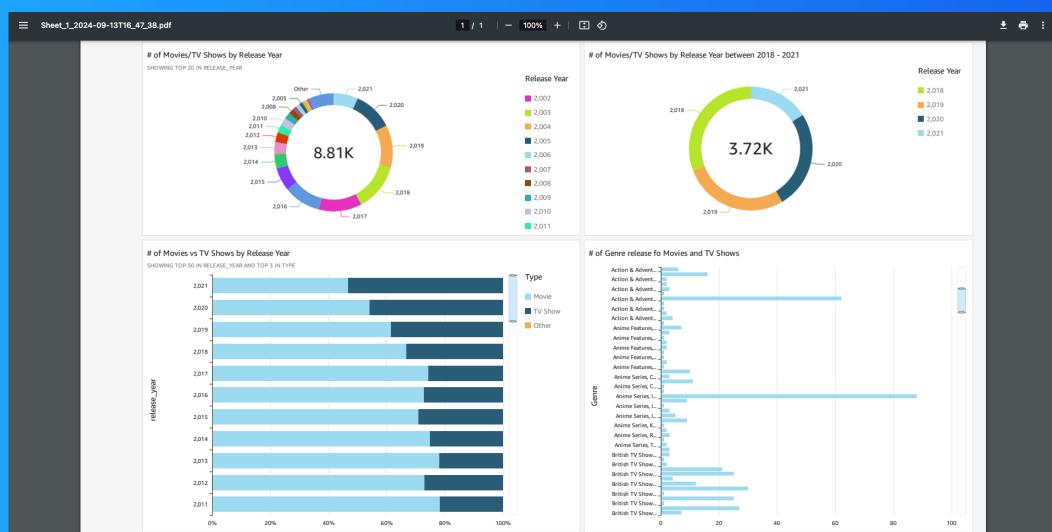




# Setting up a dashboard

As a finishing touch, I added in the visualised chart titles to make the information coherent and understandable to the reader.

I Selected Generate PDFs. Once the PDF had finished generating and was ready, I then selected Download.





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