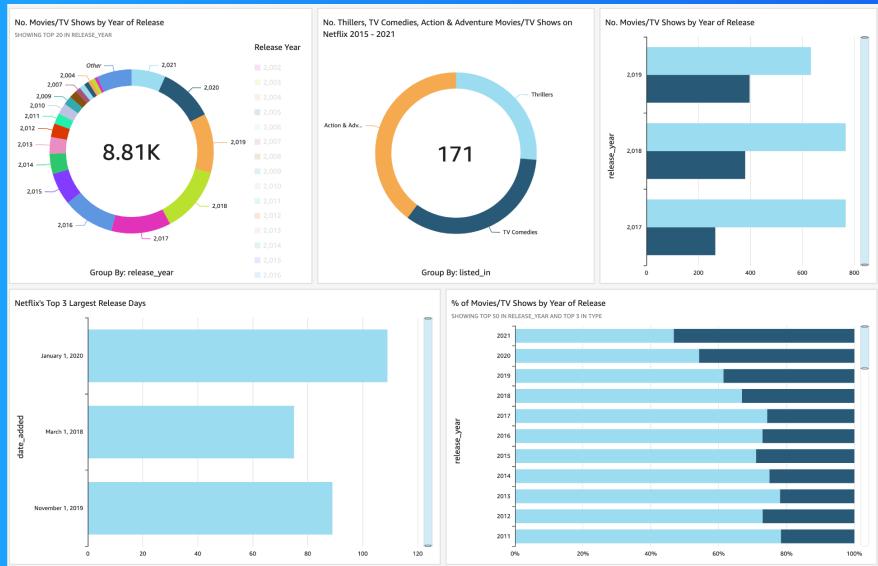




Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is cloud based data analysis platform that allows you visualise and analyse your data to create interactive reports and dashboards, it is easy to use, scalabe, secure, allows for collaboration and is intergrated with other AWS apps

How I used Amazon QuickSight in this project

I used Amazon QuickSight to create a simple yet impactful dashboard using Netflix's data for easy team analysis of common TV catagories, number of releases per year and percentage of TV shows vs Movies per year.

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

I did not expect the product to be familiar and straightforward despite the project asking for several difficult tasks, I managed to discover my way through AWS QuickSense and fly through tasks with ease.

This project took me...

The project took about an hour and 15 minutes

Upload project files into S3

S3 is used in this project to store two files, which are a mass dataset (a csv file) and a json file.

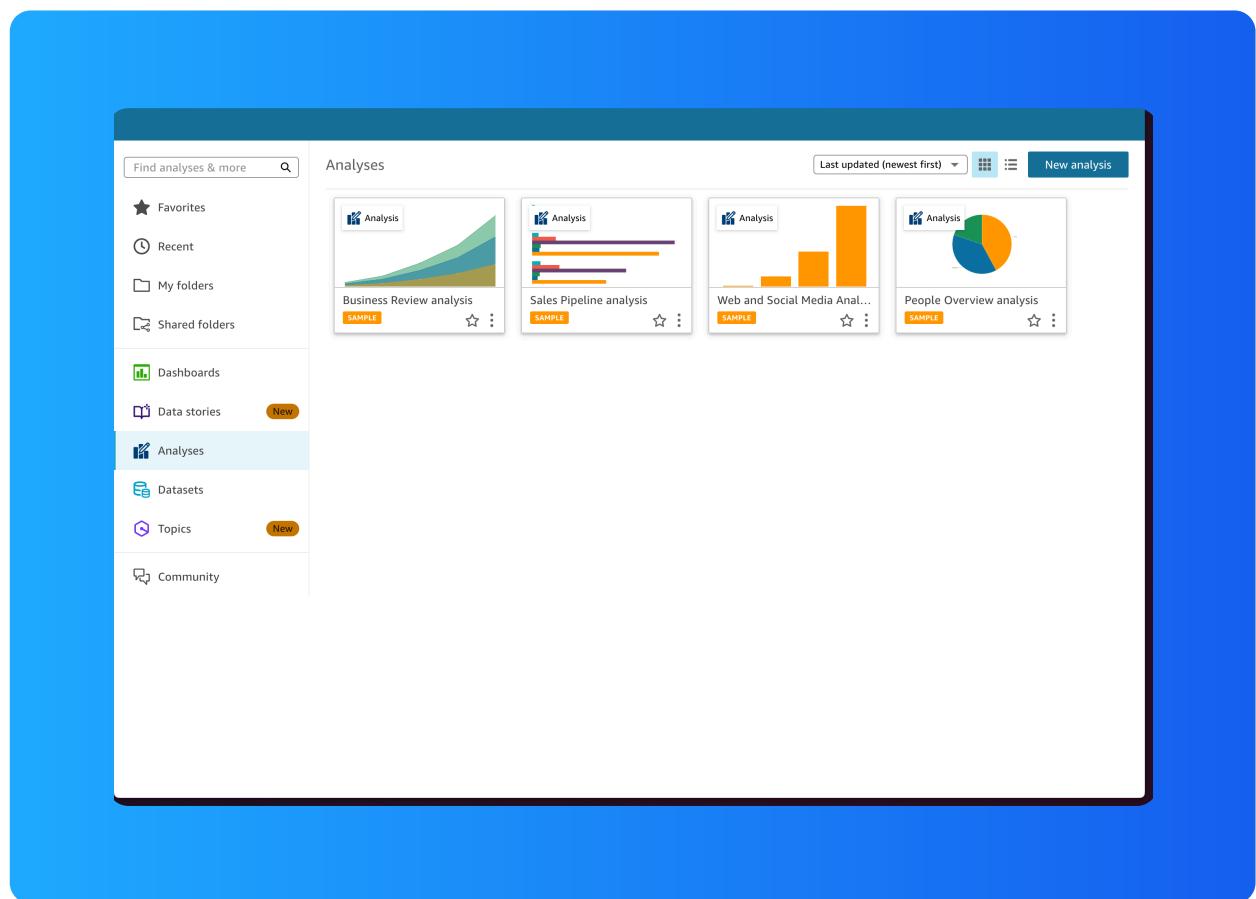
I edited the manifest.json file by... It's important to edit this file because the manifest json needs to be linked to the data in the bucket otherwise the json will not be able to process the data.

Objects (2) Info						
<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class	Actions Create folder Upload
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more						
<input type="checkbox"/>	manifest.json	json	November 6, 2024, 19:58:37 (UTC+01:00)	303.0 B	Standard	
<input type="checkbox"/>	netflix_titles.csv	csv	November 6, 2024, 19:58:38 (UTC+01:00)	3.2 MB	Standard	

Create QuickSight account

Creating a QuickSight account cost nothing! Unless you opt in for paginated reports.

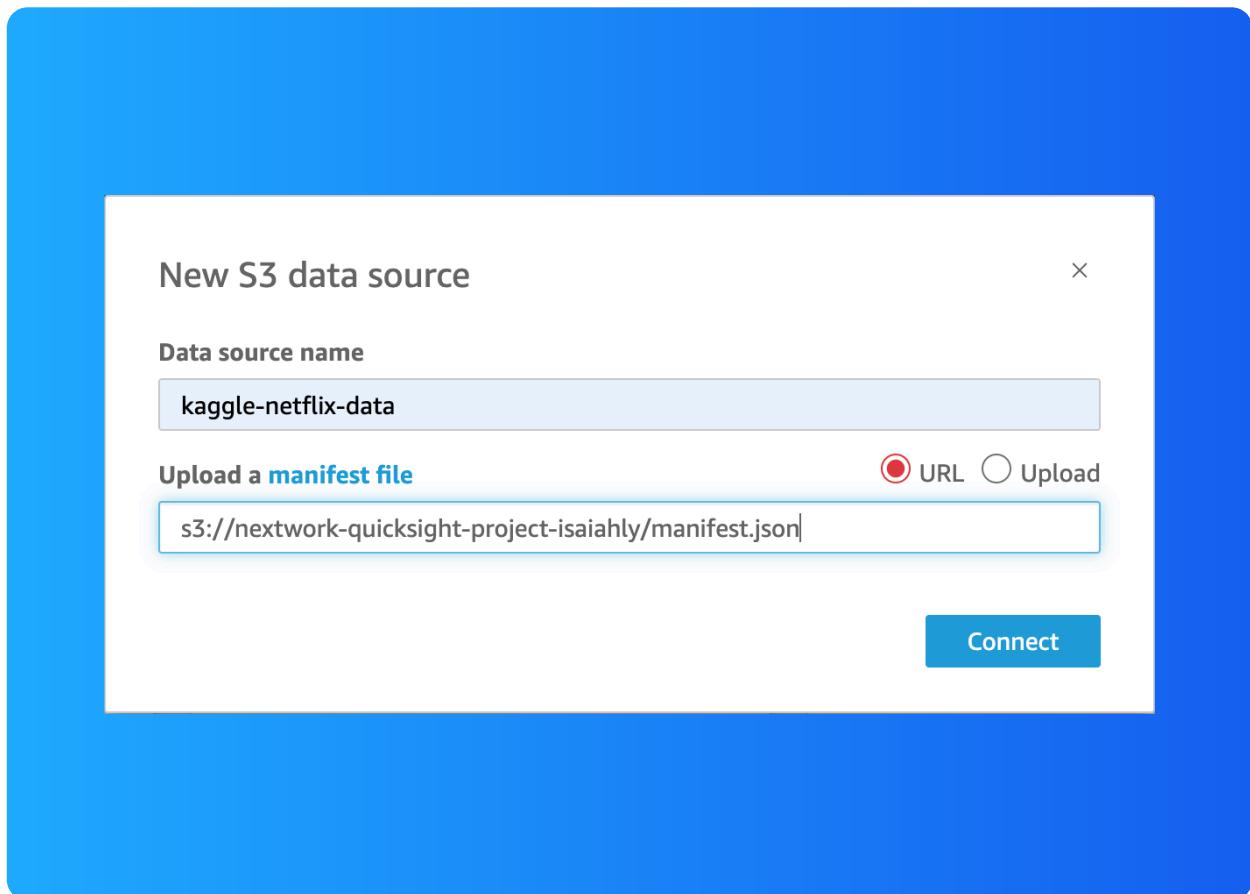
Creating an account took me, 5 minutes



Download the Dataset

I connected the S3 bucket to QuickSight by visiting the datasets page.

The manifest.json file was important in this step because this allows Quicksense to configure the correct build settings and gain project metadata, without the manifest Quicksense would not be able to show data correctly.

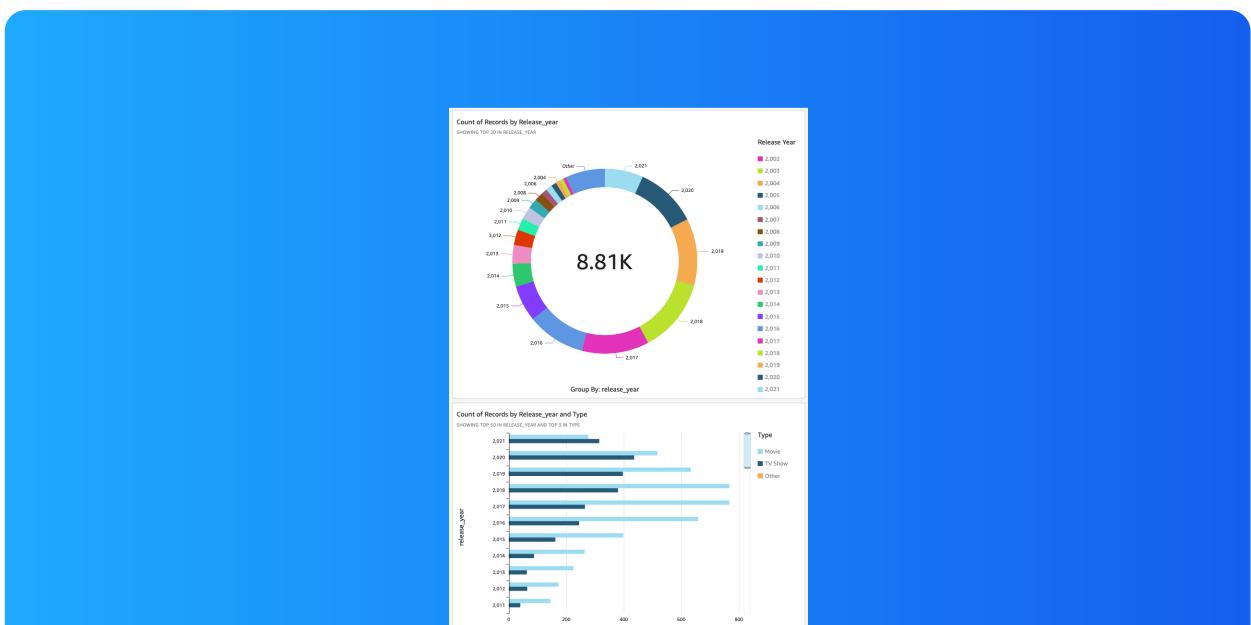


My first visualization

To create visualizations on QuickSight, I selected my dataset fields and then selected what form of visualization I wanted to create, which was a horizontal bar chart and a donut chart

The chart/graph shown here is a breakdown of different types of media specifically Movies or TV Shows by their release year and the number of Movies or TV shows released in that year.

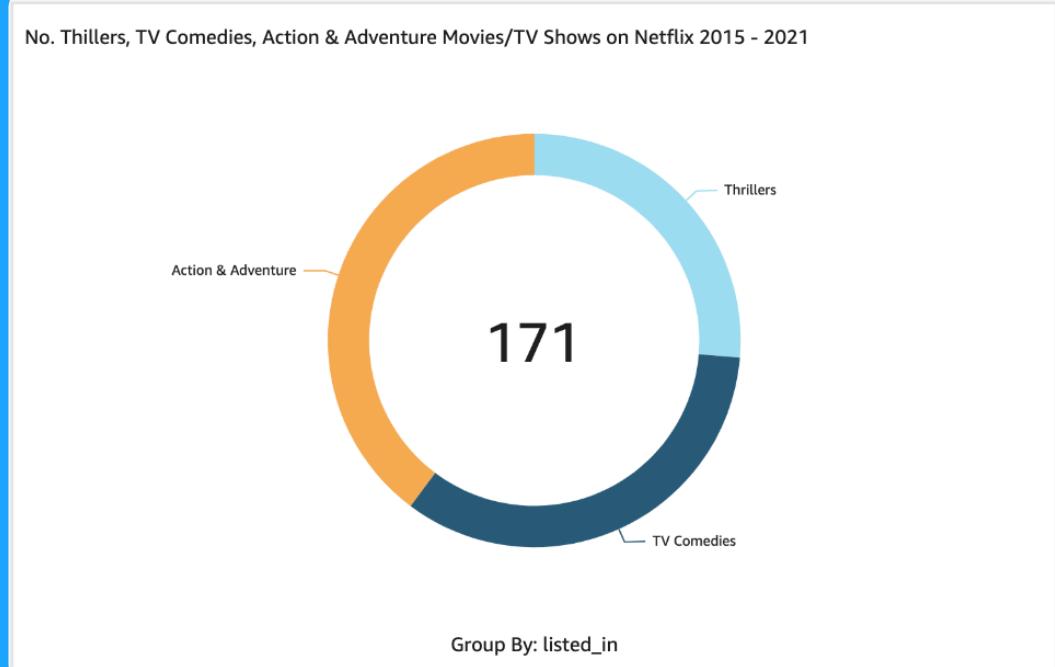
I created this graph by dragging and dropping the datafields onto a blank visual, and specifically droping release_year and type on the horizontal bar chart and donut chart, then I renamed the titles to "No. Movies/TV Shows by Year of Release".



Using filters

Filters are useful for extracting specific data and to visualise that specific data easily.

This visualisation is a breakdown of the Number of Thrillers, TV Comedies, Action & Adventure, TV Shows/Movies between 2015 - 2021 which was created by filtering the film categories in the 'Listed in' field and then filtering 'release_year' years.



Setting up a dashboard

As a finishing touch, I correctly titled each visualisation and resized all the visualisation for ease of viewing and understanding.

Did you know you could export your dashboard as PDFs too? I did this by going to File, then selecting Export to PDF.





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