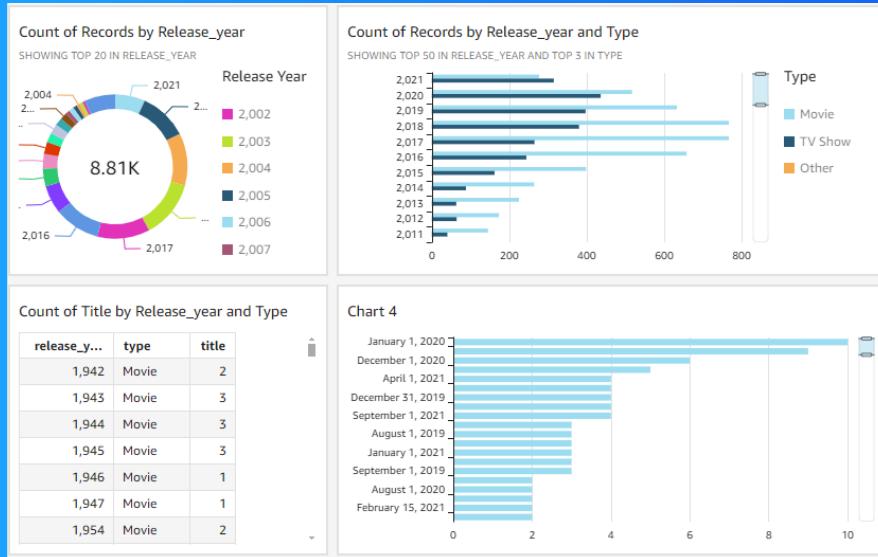




# Visualize data with QuickSight



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# Introducing Today's Project!

## What is Amazon QuickSight?

AWS QuickSight is a cloud-based business intelligence tool that enables users to create and share interactive dashboards, visualizations, and insights. It's useful for analyzing data in real-time from multiple sources.

## How I used Amazon QuickSight in this project

Today I use Amazon QuickSight to create a dashboard to analyse a company's data and visualize some data.

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

I didn't expect how interactive this service can be and all the options it has to show different chart types.

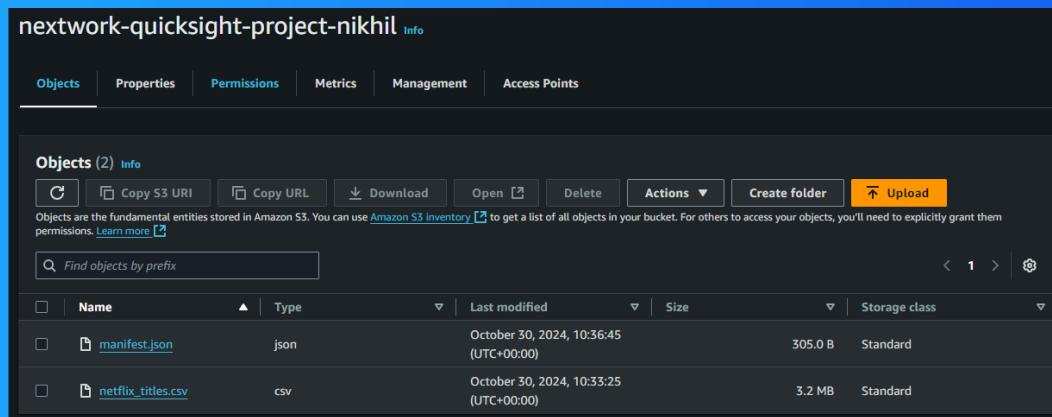
## This project took me...

This project took me around 1 hour.

# Upload project files into S3

S3 is used in this project to store two files, which are a .csv file that contains all the data I'm analysing. I stored also a .json file.

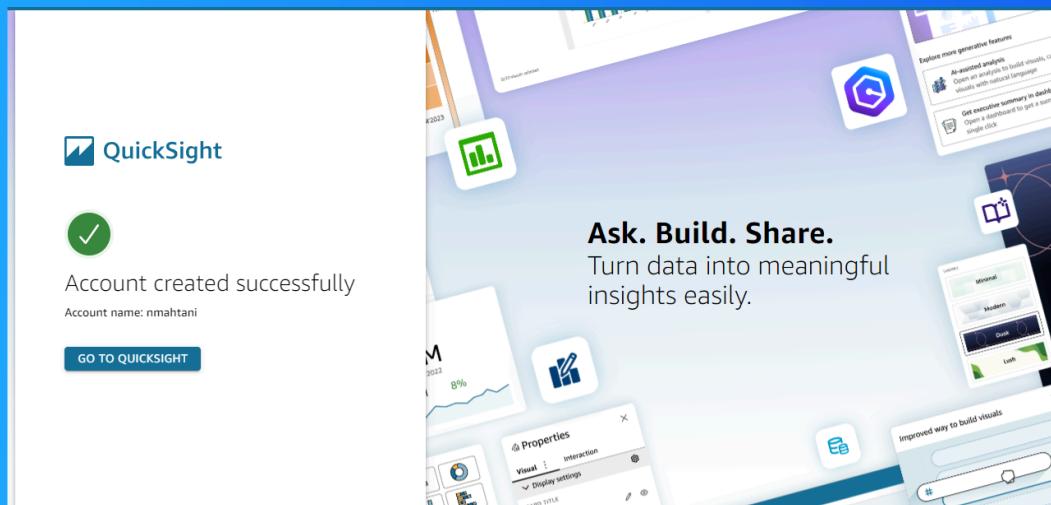
I edited the manifest.json file by copying the S3 URL link of the .csv file and replacing it inside the .json file with a text editor. It's important to edit this file because I need the correct .csv file data to analyse the correct information.



# Create QuickSight account

Creating a QuickSight account cost money if you add the add-ons. If not you can cancel and delete the account at the end of the project.

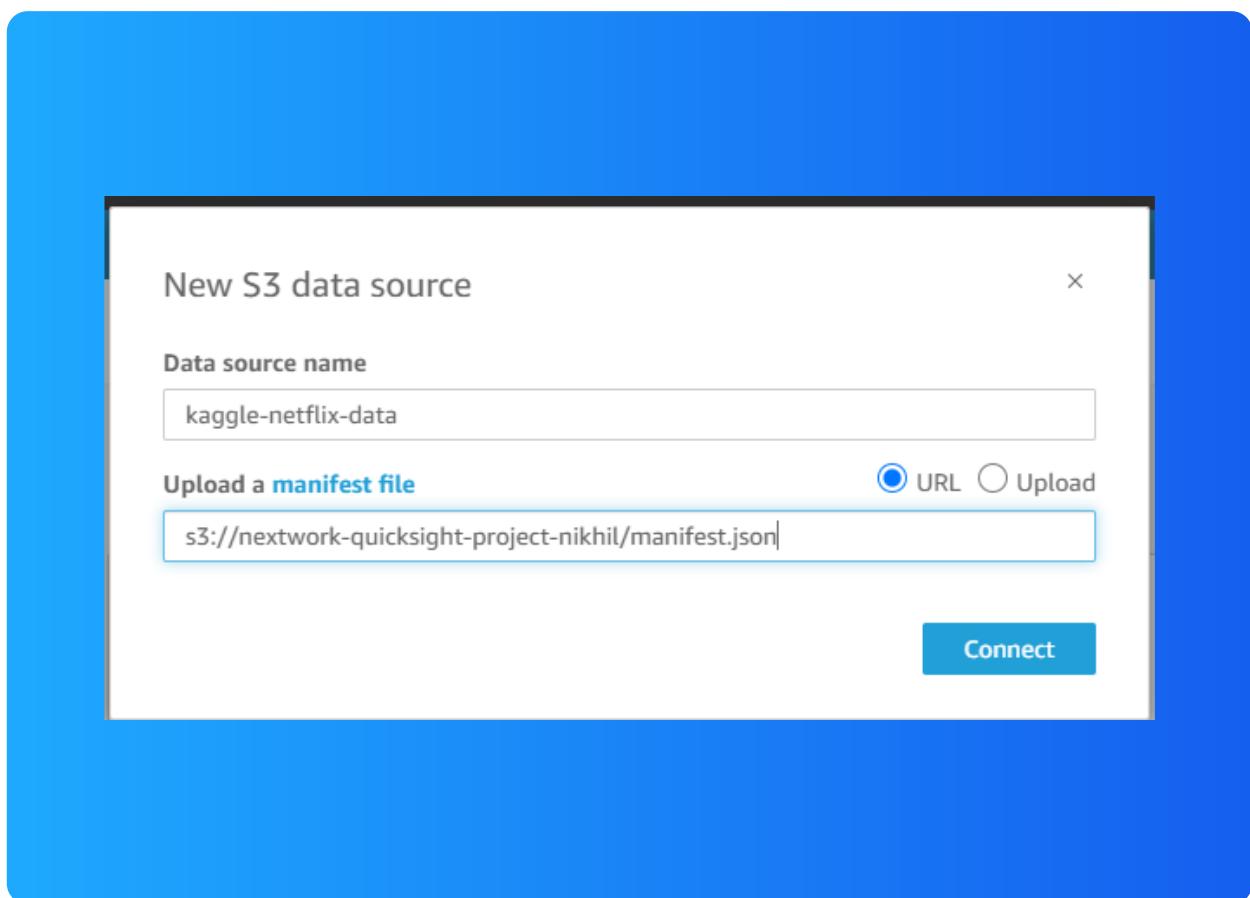
Creating an account took me 5 minutes.



# Download the Dataset

I connected the S3 bucket to QuickSight by visiting the QuickSight service and creating a new datasheet. After that I upload to the datasheet the S3 URL of the manifest.json file.

The manifest.json file was important in this step because it contains the dependencies needed for the data files.

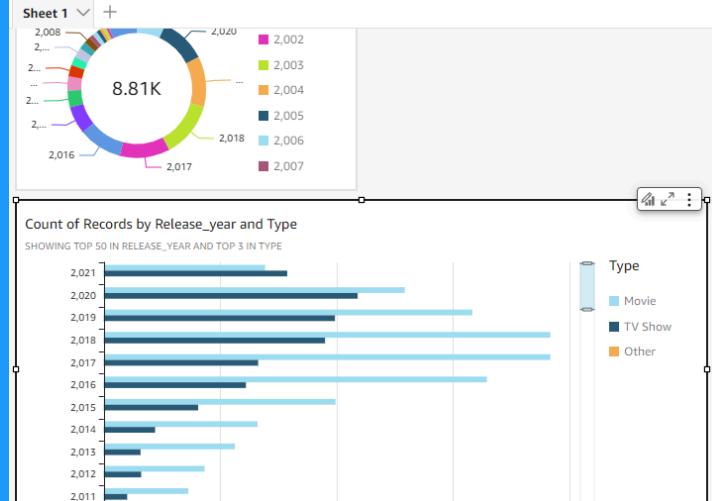


# My first visualization

To create visualizations on QuickSight, I drag the labels I want to visualize and select the chart type most suitable.

The chart/graph shown here is a breakdown of the labels I choose from the .csv data file.

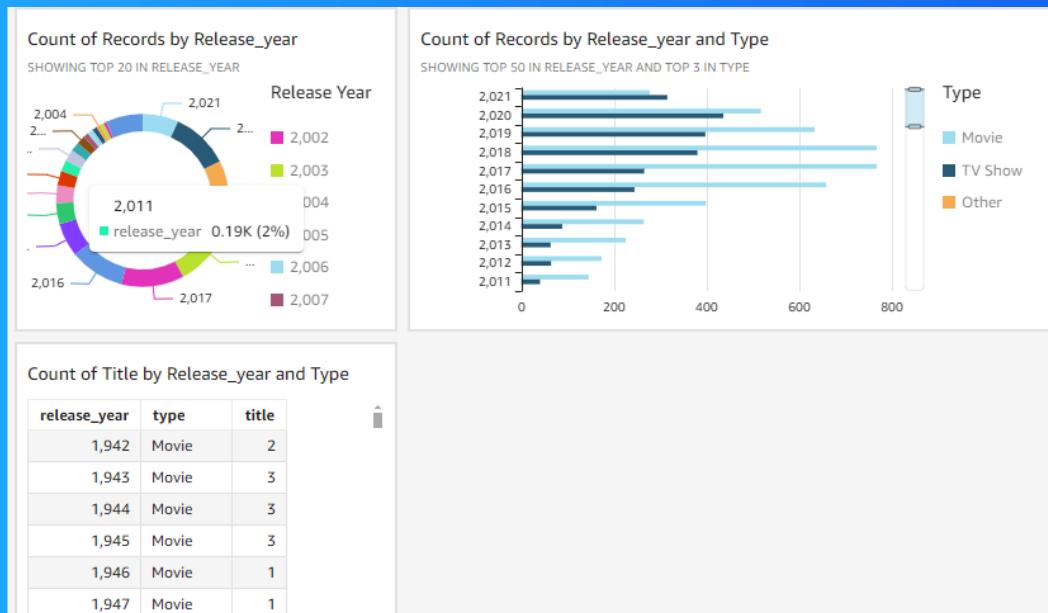
I created this graph by dragging and dropping the release year in the Y axis and selecting donut chart.



# Using filters

Filters are useful for users to control and refine data displayed in analyses helping to focus on specific subsets of information and extract valuable insights.

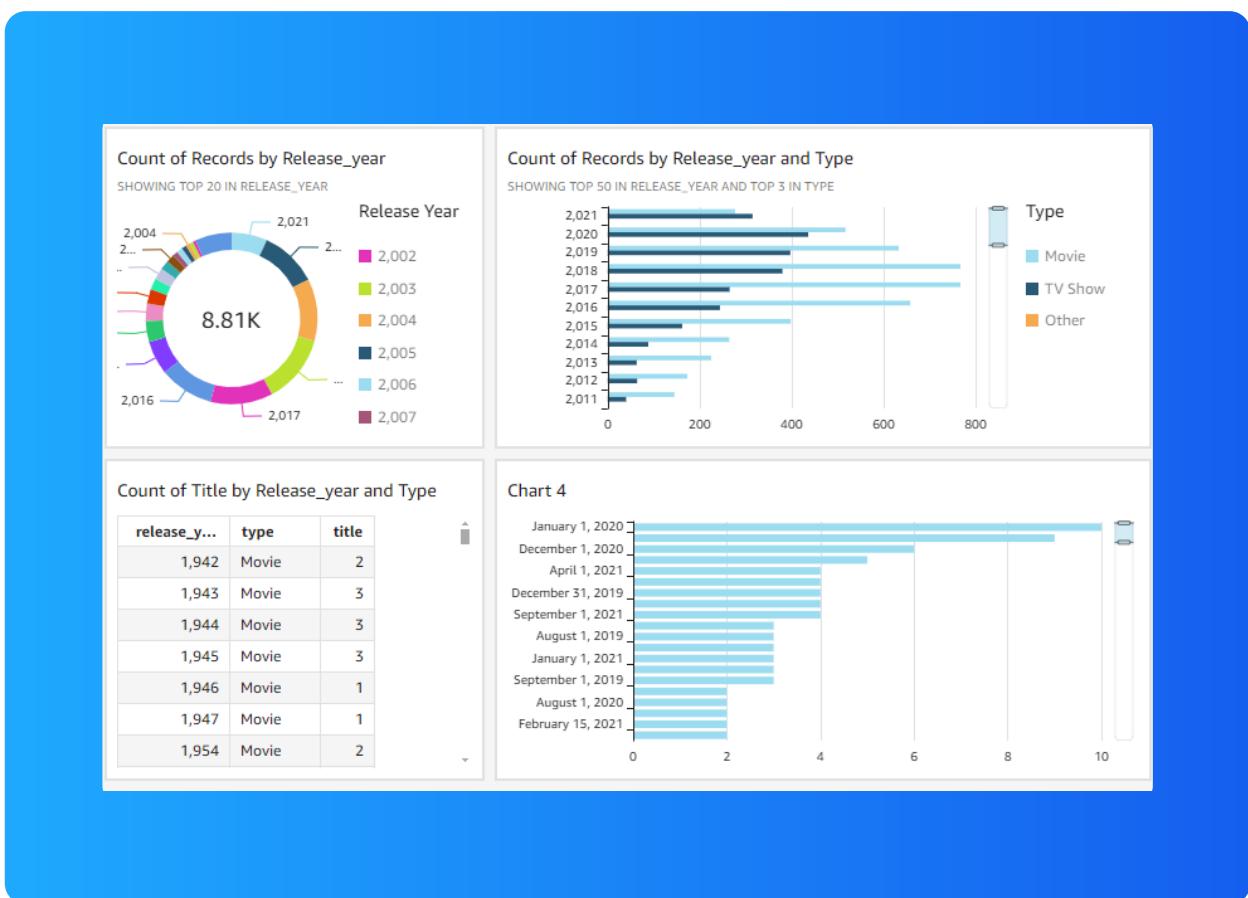
This visualization is a breakdown of chart types where filters can be used.



# Setting up a dashboard

As a finishing touch, I added a title to some of the charts to identify them depending on the labels.

Did you know you could export your dashboard as PDFs too? I did this by exporting the dashboard so I can download it and keep a PDF copy of this dashboard after publishing it in AWS Quicksight.





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