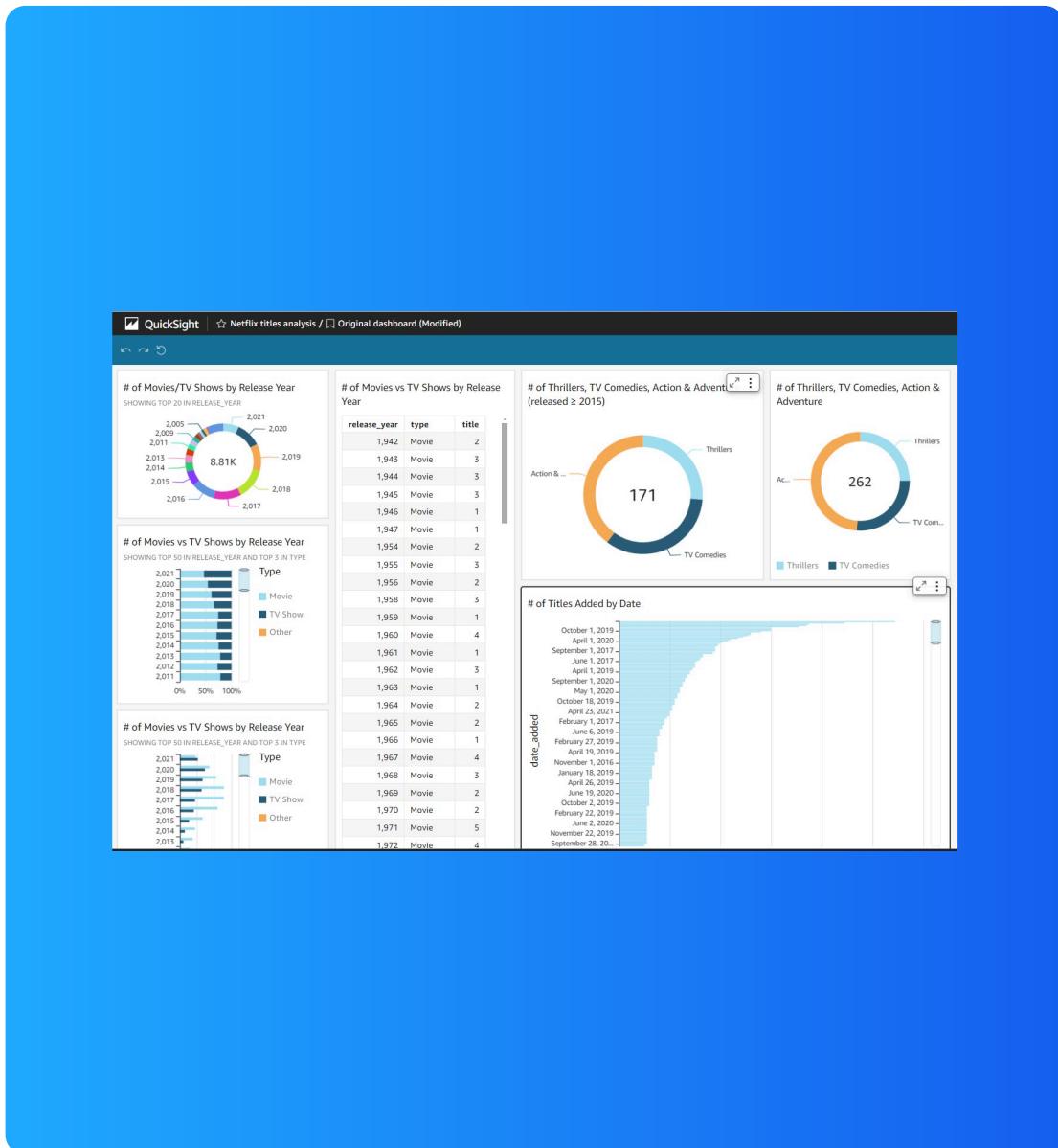




# Visualize data with QuickSight



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# Introducing Today's Project!

## What is Amazon QuickSight?

Amazon QuickSight is a cloud-based business analytics (BI) service that allows users to build visualizations, perform ad-hoc analysis, and gain business insights from their data.

## How I used Amazon QuickSight in this project

I used a dataset which was stored in Amazon S3 bucket. Then from QuickSight, I connected to this dataset using S3 link and started the visualization for insightful data.

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

This is very easy and quick visualization tool if you have a clean dataset.

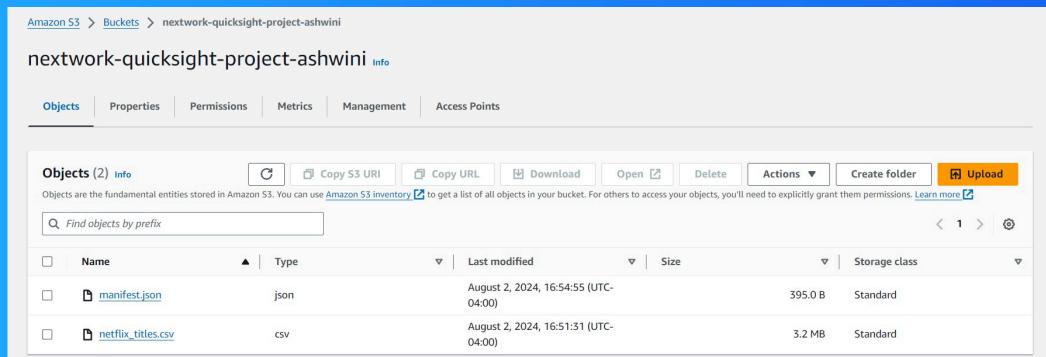
## This project took me...

It took me around 25-30 min for the whole process.

# Upload project files into S3

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

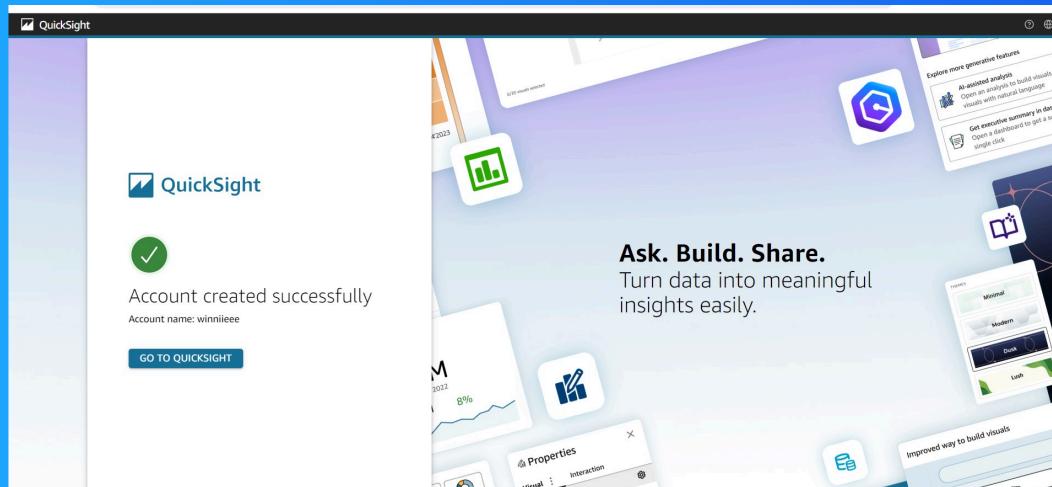
I edited the `manifest.json` file by replacing S3 URL. It's important to edit this file because because this S3 URL is unique for each S3 bucket object.



# Create QuickSight account

Creating a QuickSight account cost nothing for free trial account(last for 30 days).

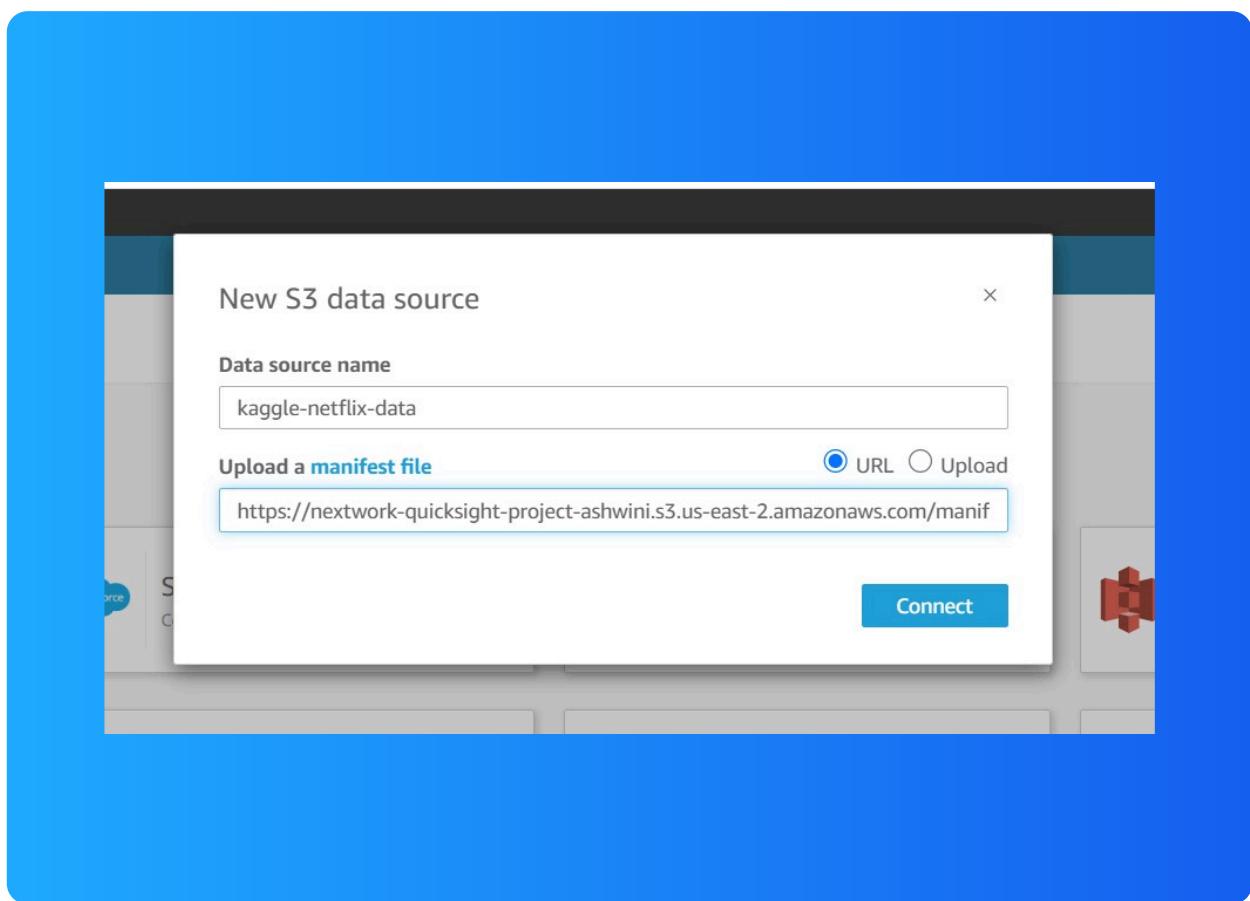
Creating an account took me 2 minutes.



# Download the Dataset

I connected the S3 bucket to QuickSight by visiting navigation bar in Amazon QuickSight and selecting dataset.

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

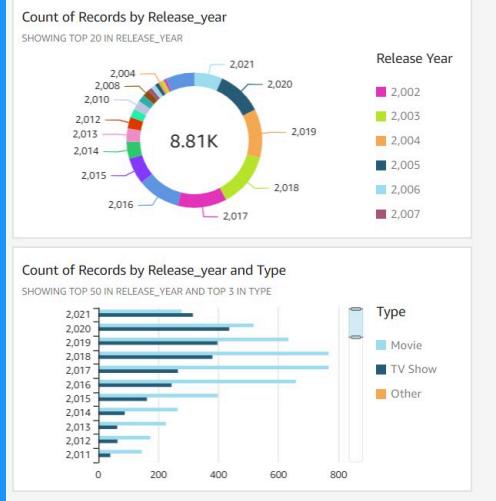


# My first visualization

To create visualizations on QuickSight, I dragged relevant fields into the QuickSight Dashboard's AutoGraph space.

The chart/graph shown here is a breakdown of movies vs tv shows for every release year.

I created this graph by dragging and dropping the release year on Y-axis and making the type(i.e. movie or tv show) the grouping variable.



# Using filters

Filters are useful for specifying the exact subset of data that you are wanting to analyze - effectively excluding any irrelevant data.

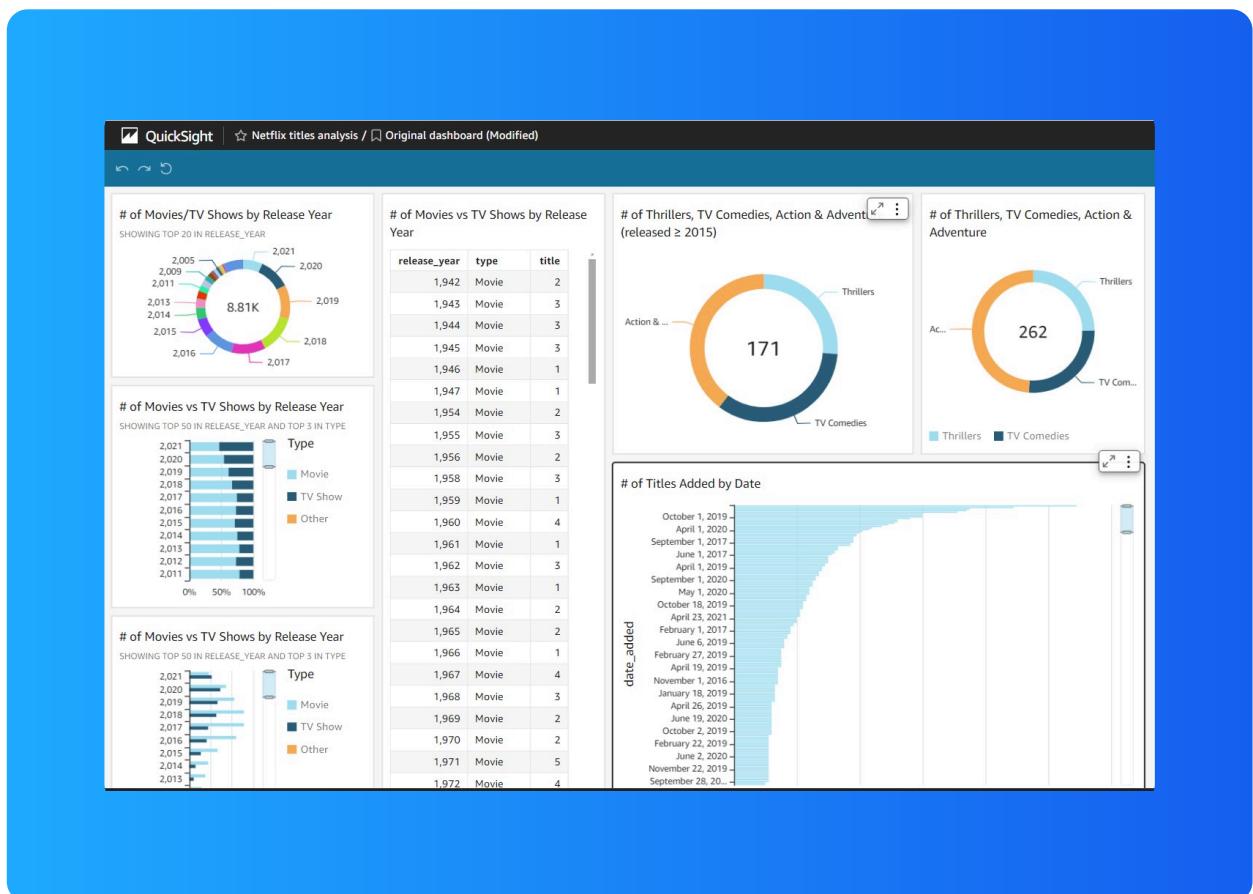
This visualization is a breakdown of three genres of movies and TV shows that were released from 2015 onwards. Here I added a filter by excluding movies and TV shows that were released before 2015.



# Setting up a dashboard

As a finishing touch, I edited the titles of my graphs so that the purpose of each chart is clear to the reader.

Did you know you could export your dashboard as PDFs too? I did this by publishing the dashboard and using export function.





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