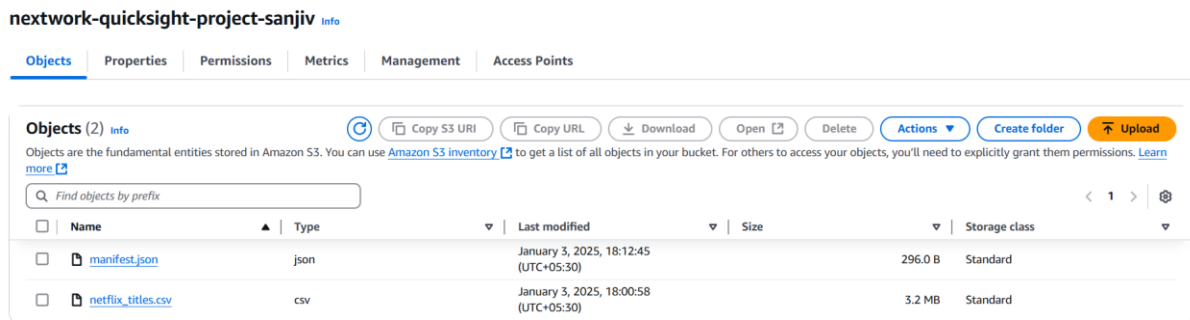
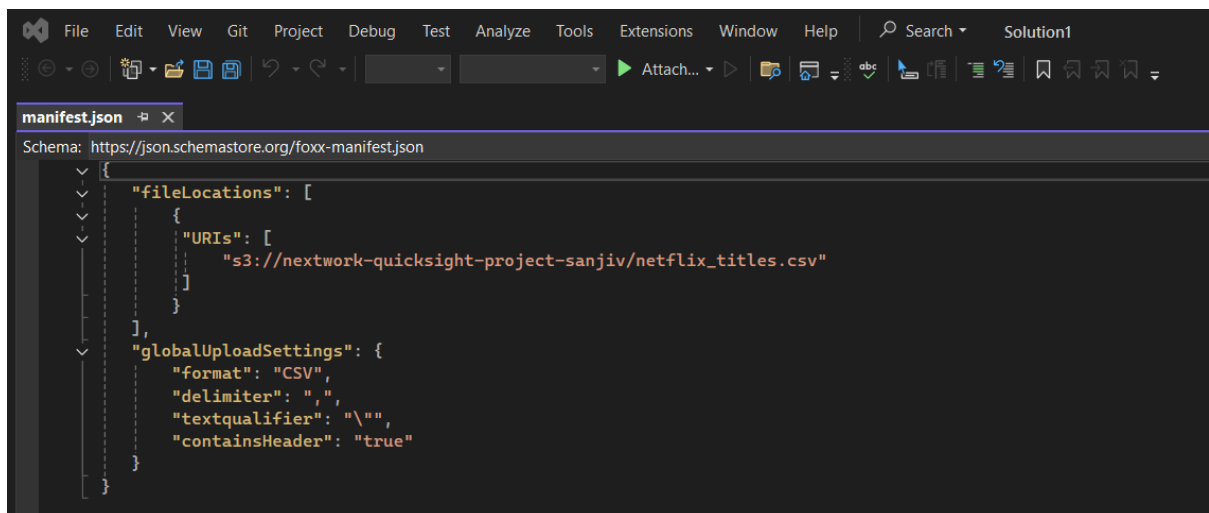


Visualizing Netflix data with AWS QuickSight

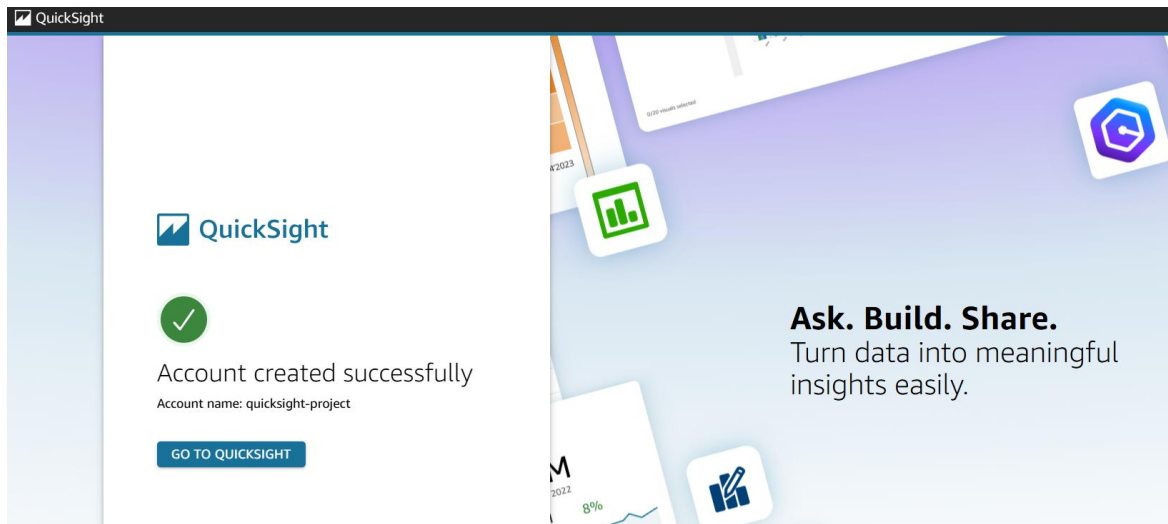
Amazon QuickSight helps analyse data effectively and create visualisations easily. In this project I used Amazon QuickSight to analyse a huge dataset of Netflix shows and movies to create a dashboard that extracts valuable insights.



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 updating the S3 URI of my dataset. It's important to edit this file because keeping an outdated S3 URI means that `manifest.json` would be directing to the wrong address.



It is pretty quick and free to create a QuickSight account (the free trial lasts for 30 days).

New S3 data source

Data source name

kaggle-netflix-data

Upload a **manifest file**

☒ URL ☐ Upload

s3://nextwork-quicksight-project-sanjiv/manifest.json

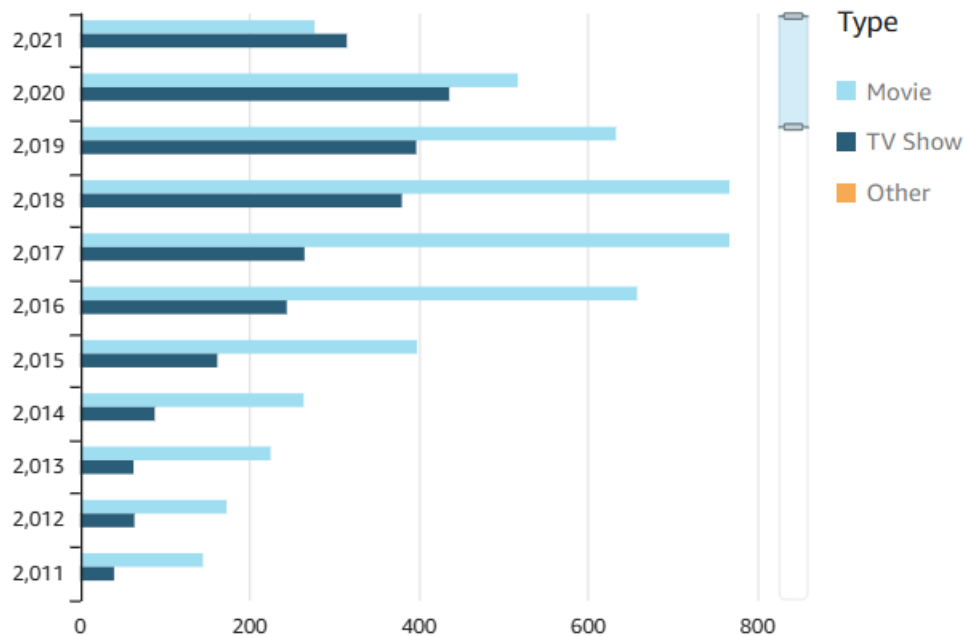
Connect

I connected the S3 bucket to QuickSight by visiting Datasets tab and specifying source and manifest file.

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

Count of Records by Release_year and Type

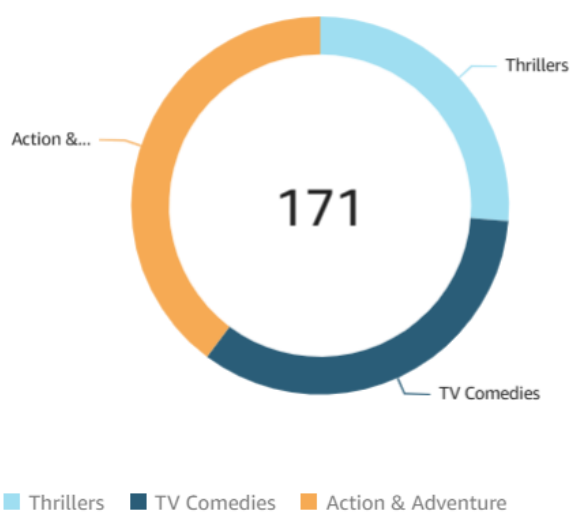
SHOWING TOP 50 IN RELEASE_YEAR AND TOP 3 IN TYPE



To create visualizations on QuickSight, it is necessary to drag relevant fields into the QuickSight dashboard's AutoGraph space.

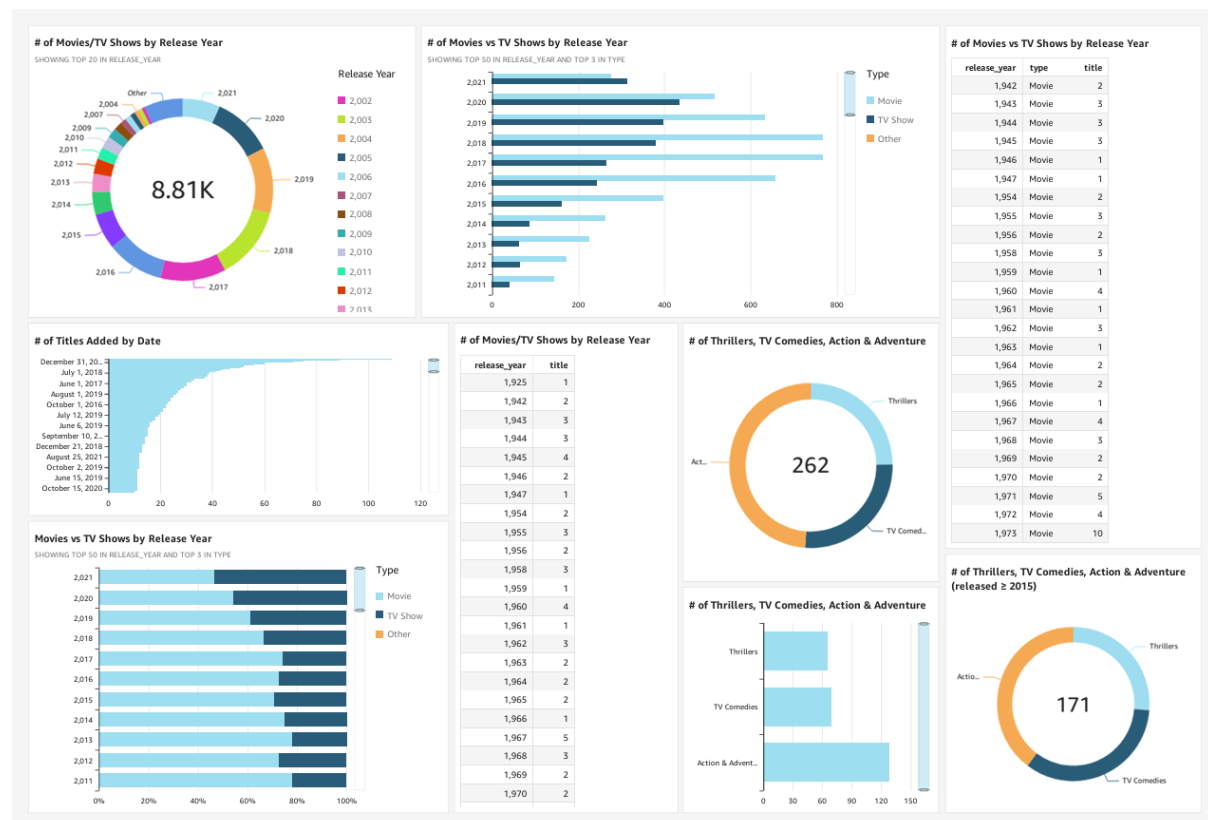
The graph shown here is a breakdown of Movies vs TV Shows for every release year. I created this graph by dragging and dropping the release year on the y-axis, and making the type (i.e movie or tv show) the grouping variable.

Count of Records by Listed_in



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 movies and tv shows of the three genres I specified that were released from 2015 onwards. Here I added a filter by excluding movies and tv shows released before 2015.



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

I exported my dashboard as a PDF by publishing my dashboard using the export function.