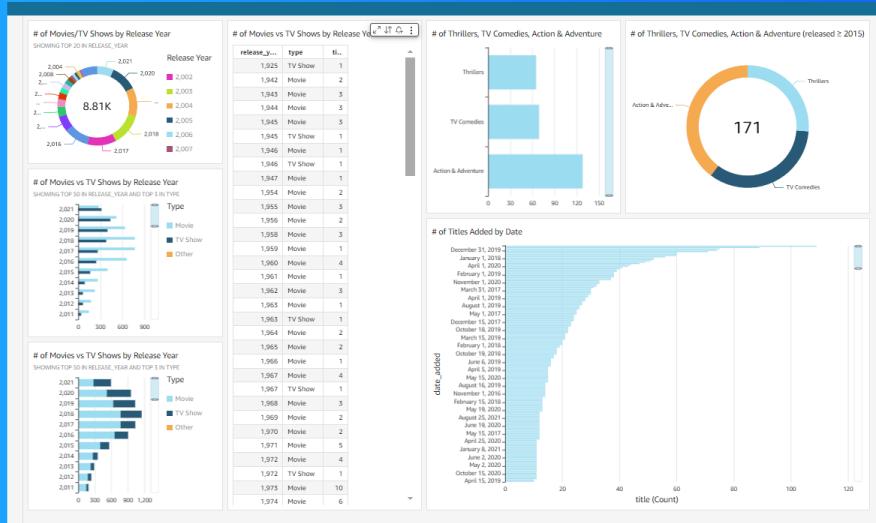


Visualize data with QuickSight



Tej Mandaliya





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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight helps you analyse data and create visualisations easily.

How I used Amazon QuickSight in this project

I analyse a huge dataset of Netflix shows and movies to create a dashboard that extracts all the juicy insights.

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

One thing I didn't expect in this project was the level of detail required in setting up data filters and visualizations. It took more time to fine-tune these elements to ensure the insights were accurate and meaningful.

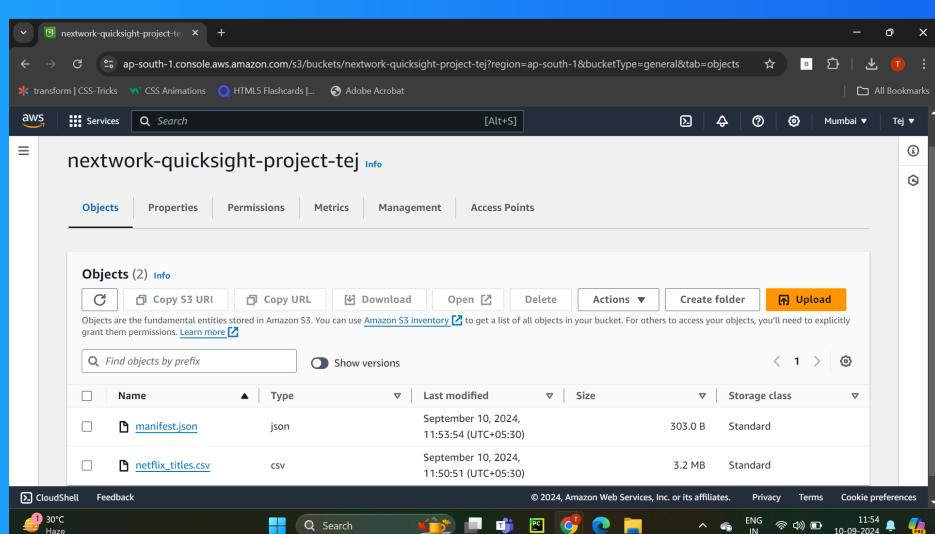
This project took me...

The project took me 150 minutes to complete.

Upload project files into S3

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

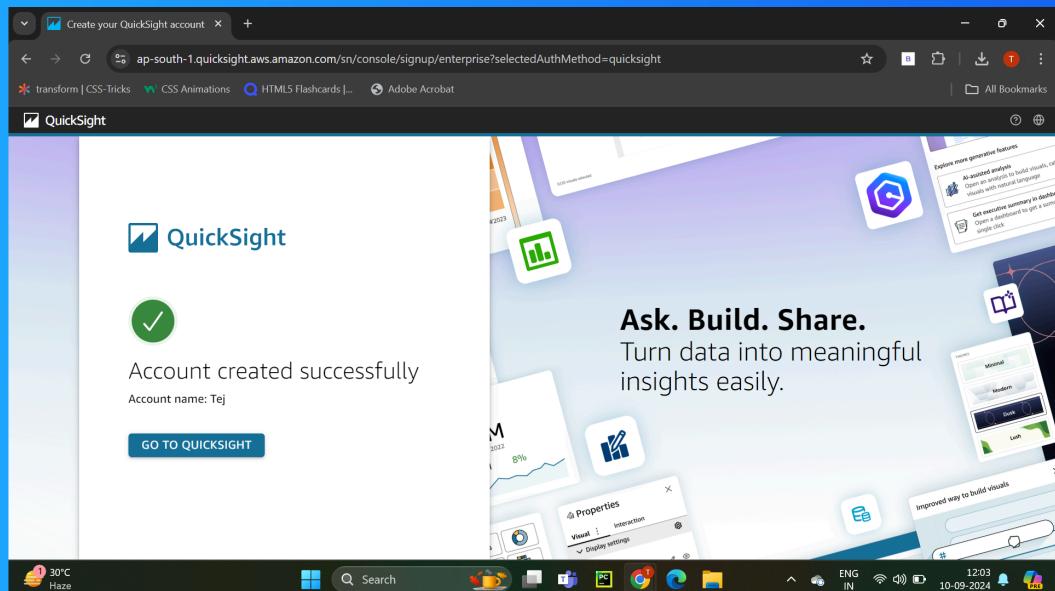
I edited the manifest.json file by changing the S3 URL to s3://nextwork-quicksight-project-tej/netflix_titles.csv. It's important to edit this file because it ensures the correct data source is accessed.



Create QuickSight account

Creating a QuickSight account costs no money initially, as Amazon offers a free trial.

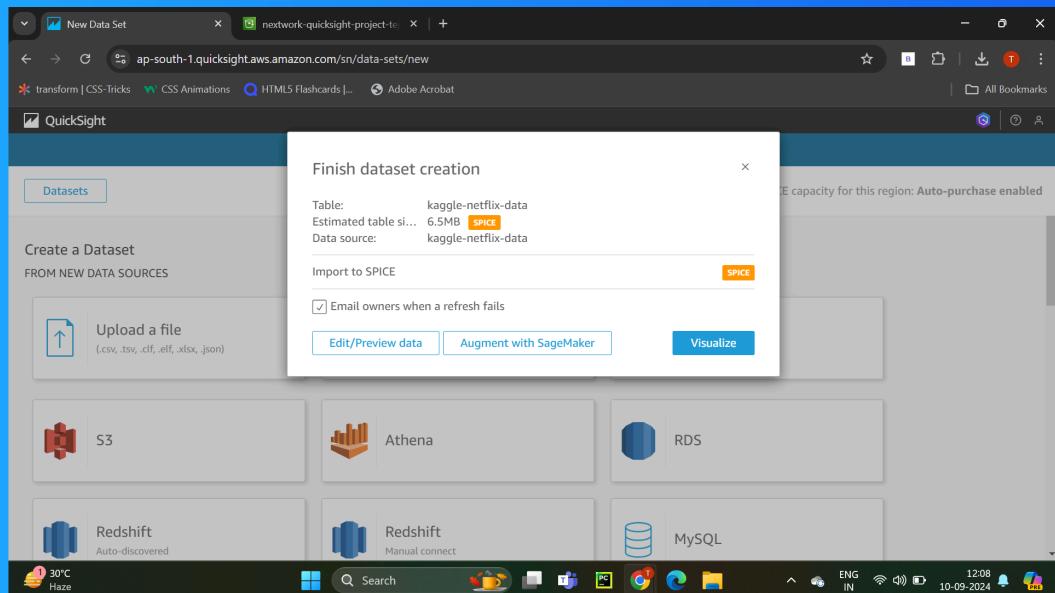
Creating an account took me 5 minutes.



Download the Dataset

I connected the S3 bucket to QuickSight by visiting the Manage data page under Datasets. From there, I selected **Create new dataset** and chose the S3 option.

The manifest.json file was important in this step because it defines the configuration, including the S3 URL, for connecting to the data. It ensures QuickSight knows where to find and access the dataset.

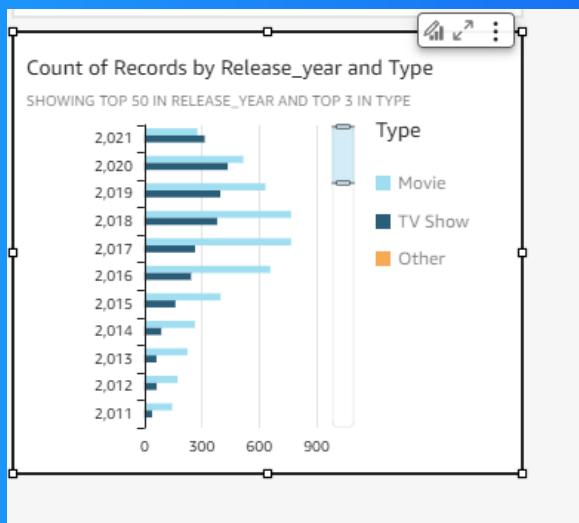


My first visualization

To create visualizations on QuickSight, I selected a dataset, chose a chart type, and customized the fields to generate insights.

The chart shown here is a breakdown of Netflix titles by genre and release year. It illustrates how genres like drama, comedy, and action are distributed across different years, revealing trends in content production and genre popularity over time.

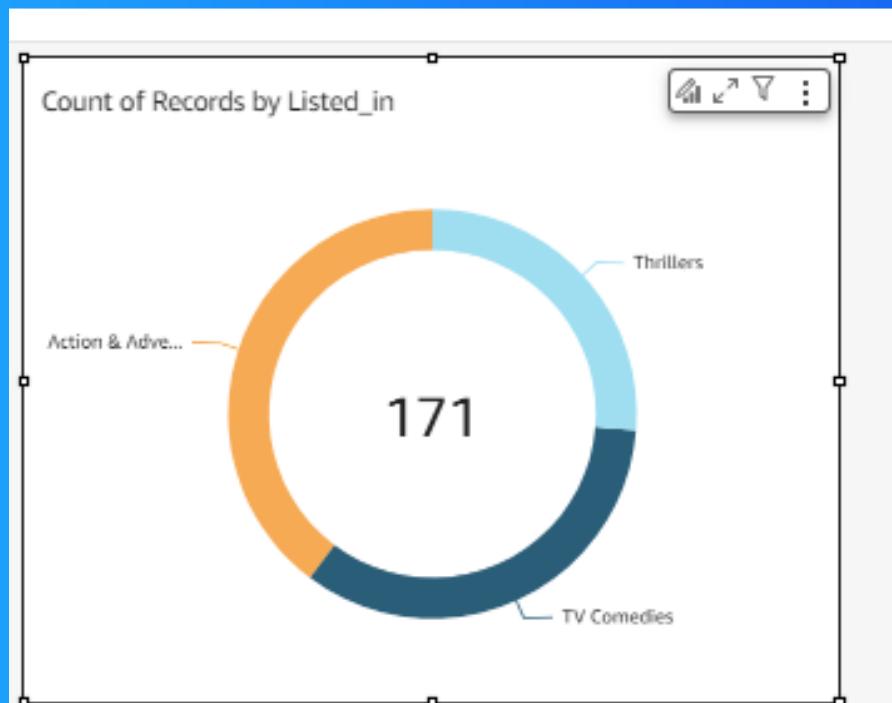
I created this graph by dragging and dropping the Release Year field to the x-axis and the Title Count field to the y-axis. I then used the Genre field to color-code the data, allowing for a clear visual breakdown of titles by genre over



Using filters

Filters are useful for narrowing down data to focus on specific criteria, making it easier to analyze relevant subsets. They help in identifying trends, patterns, and insights that are most pertinent to your analysis.

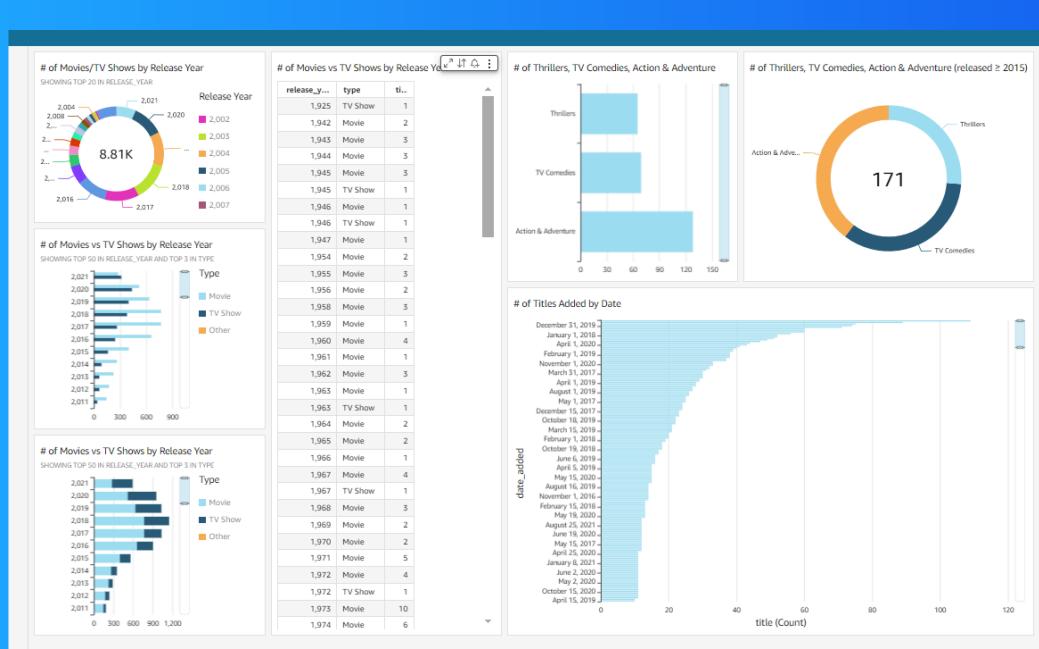
This visualization is a breakdown of movies and TV shows by genre, focusing on those released from 2015 onwards. I added a filter for titles released before 2015, which allowed me to compare content from three specific genres released after 2015.



Setting up a dashboard

As a finishing touch, I edited the titles and labels to ensure they were clear and descriptive before publishing the dashboard.

Did you know you could export your dashboard as PDFs too? I did this by selecting the Export option from the dashboard menu on the top right and choosing Generate PDF to save a downloadable copy.



In this project, I created a dashboard using Amazon QuickSight.

- Uploaded your dataset into an S3 bucket.
- Connected your dataset to Amazon QuickSight.
- Created graphs, charts, and analysis using QuickSight.
- Visualized a catalog of TV/movies by release year, listing category, and added date.
- Experimented with different visualization styles, such as donut, table, or bar graphs.
- Formed a dashboard that you published and can export.
- Refined data filters and labels for accuracy and clarity.

