



NextWork.org

Visualize data with QuickSight



faizan saiyed

The screenshot displays a QuickSight dashboard titled "Original dashboard (Modified)". The dashboard features three main visualizations:

- # of Movies/TV Shows by Release Year**: A pie chart showing the distribution of releases across years from 2001 to 2007. The largest segment is 2001, followed by 2002.
- # of Movies vs TV Shows by Release Year**: A horizontal bar chart comparing the count of movies (light blue), TV shows (dark blue), and other (orange) releases per year from 2001 to 2013. The total count generally increases over time, peaking around 2013.
- # of Thrillers, TV Comedies, Action & Adventure**: A stacked bar chart showing the count of releases for Thrillers, TV Shows, and Action & Adventure genres across years from 2001 to 2014. The "Action & Adventure" genre shows the highest volume, particularly in 2014.

Below the charts, there is a table titled "release_yr_type_title" with the following data:

release_yr	type	title
2,001	Movie	2
2,002	Movie	3
2,003	Movie	3
2,004	Movie	3
2,005	Movie	1
2,006	Movie	1
2,007	Movie	2



Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based business intelligence (BI) service by AWS that allows users to create interactive dashboards and visualizations. It integrates with various data sources, offers machine learning insights.

How I used Amazon QuickSight in this project

QuickSight is useful for quick decision-making, collaboration, and scalable data analysis, making it a valuable tool for businesses aiming to leverage their data effectively.

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

The one thing I didn't expect in this project was how intuitive and user-friendly Amazon QuickSight's interface is, especially with the drag-and-drop functionality for creating visualizations. This made it easier to build complex dashboards.

This project took me...

1 hour 45 minutes



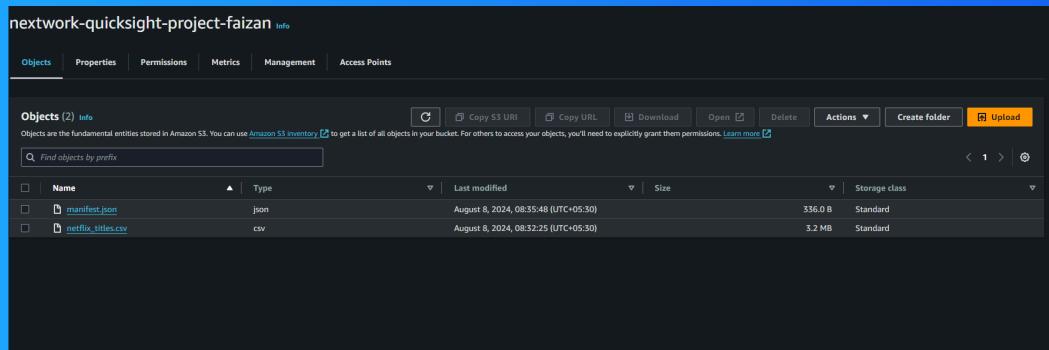
faizan saiyed
NextWork Student

NextWork.org

Upload project files into S3

Datasets for the Netflix and manifest.json was uploaded in S3 Bucket

I edited the manifest.json file by using text editor and S3 bucket URL in manifest.json file so that data set be provided in it





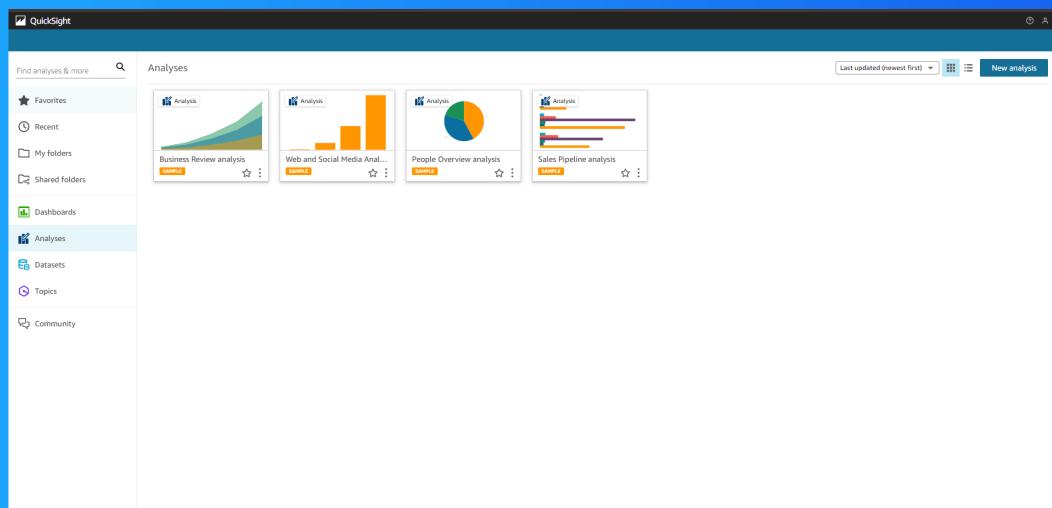
faizan saiyed
NextWork Student

NextWork.org

Create QuickSight account

Creating a QuickSight account cost nothing ,if we delete the account after analysis is done ,make sure to Stop and double check Did you uncheck the Add Paginated Reports checkbox? Make sure to do this so your AWS account doesn't get charged!

It was created within minutes

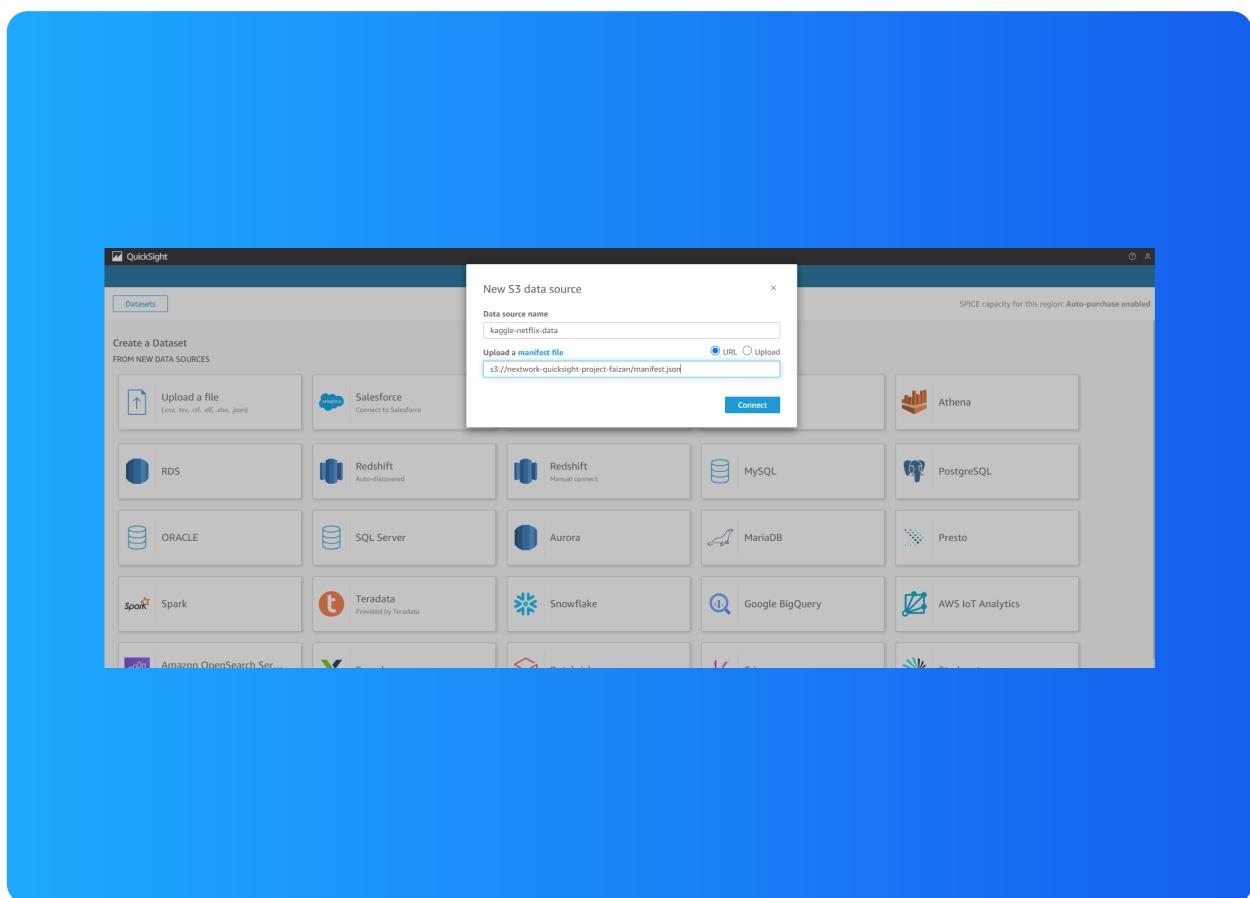




Download the Dataset

connected the S3 bucket to QuickSight by visiting Dataset, click on new dataset and select the S3 .

The manifest.json file was important in this step because we need to put the s3 url for manifest json in which we made changes in earlier and put it in the shown screenshot



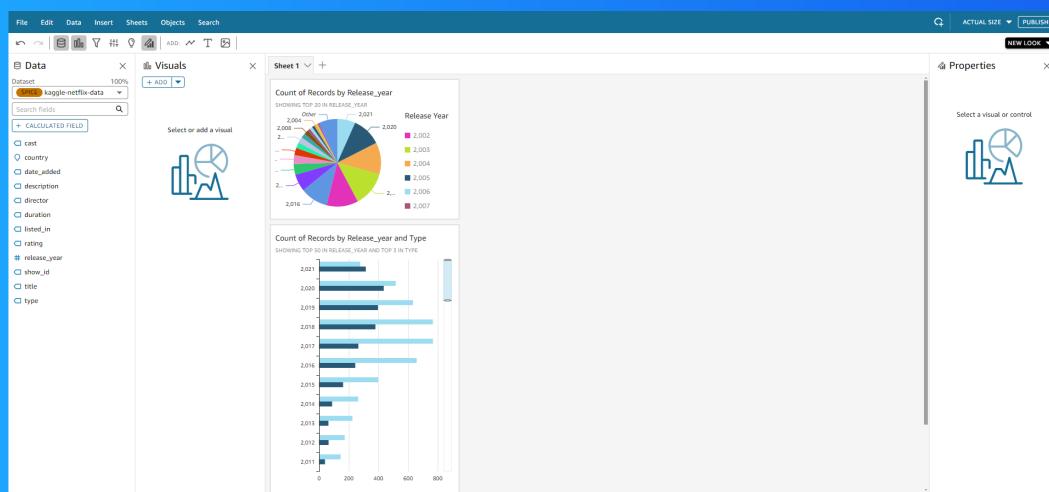


My first visualization

I utilized Amazon QuickSight to create dynamic and interactive data visualizations. The process involved importing data from various sources, such as S3 and using QuickSight's intuitive interface to build charts, graphs, and dashboards.

The chart/graph shown here is a breakdown of breakdown on the year that these Netflix-featured TV shows and movies were released.

I created this graph using Amazon QuickSight's drag-and-drop interface, which made it easy to visualize and analyze data efficiently





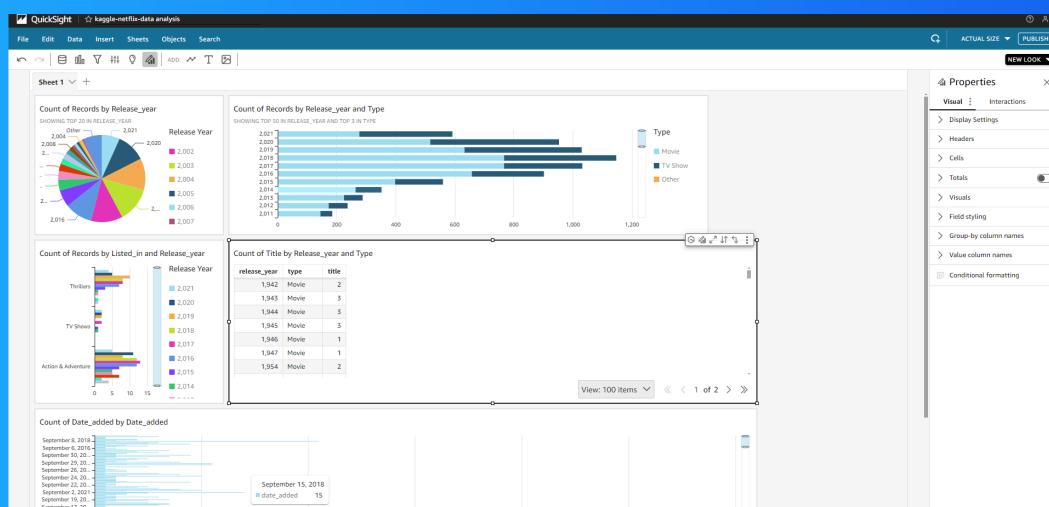
faizan saiyed
NextWork Student

NextWork.org

Using filters

Filters are useful for refining data visualizations by focusing on specific subsets of data. They allow you to exclude irrelevant information, highlight trends, and drill down into particular details, making it easier to derive meaningful insights.

This visualization is a breakdown of number of movies vs TV shows per release year in a table and Here I added a filter by movie list and year it was released

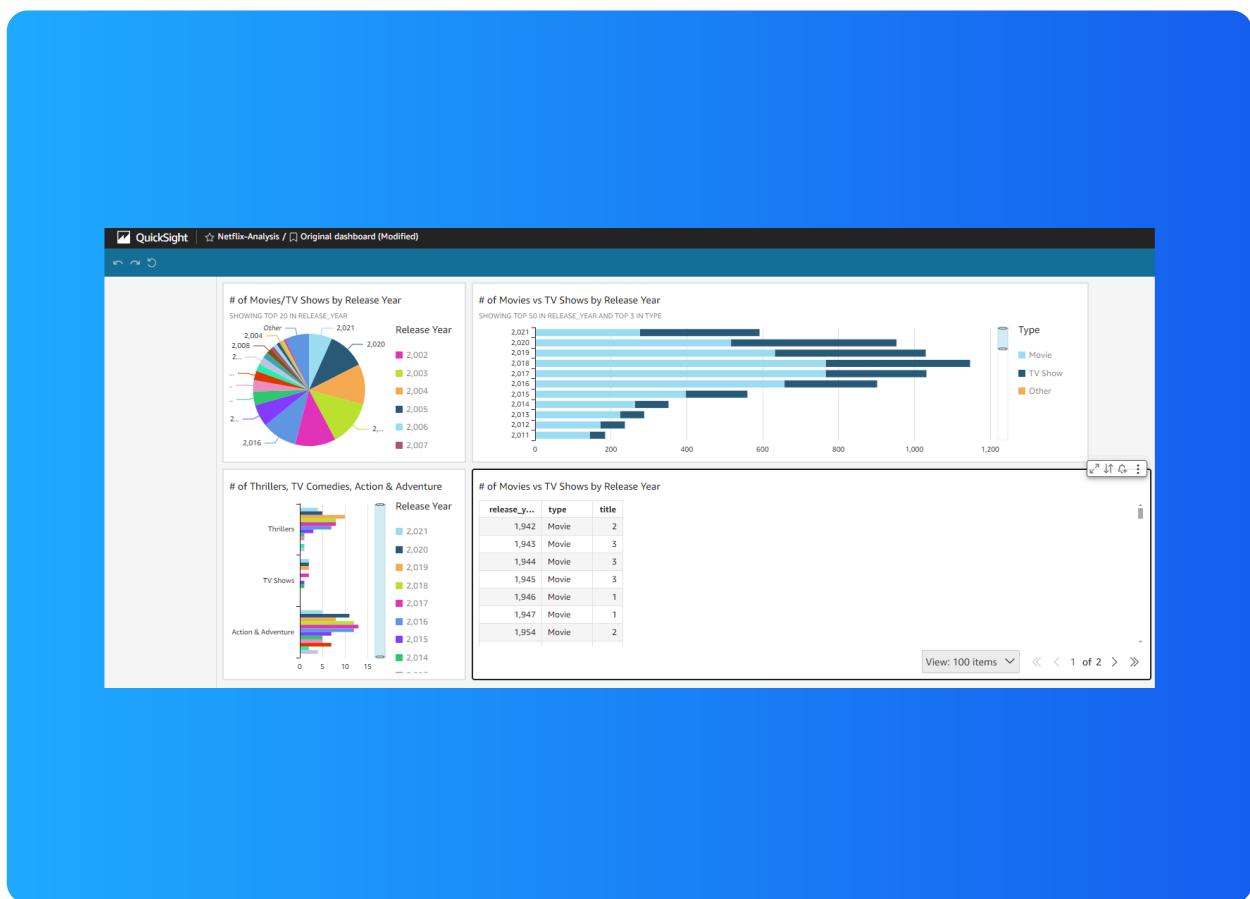




Setting up a dashboard

As a finishing touch, I wrote a better title for analysis done and added new visual with filter

I did this by using Publish your dashboard and export to pdf





NextWork.org

Everyone should be in a job they love.

Check out nextwork.org for
more projects

