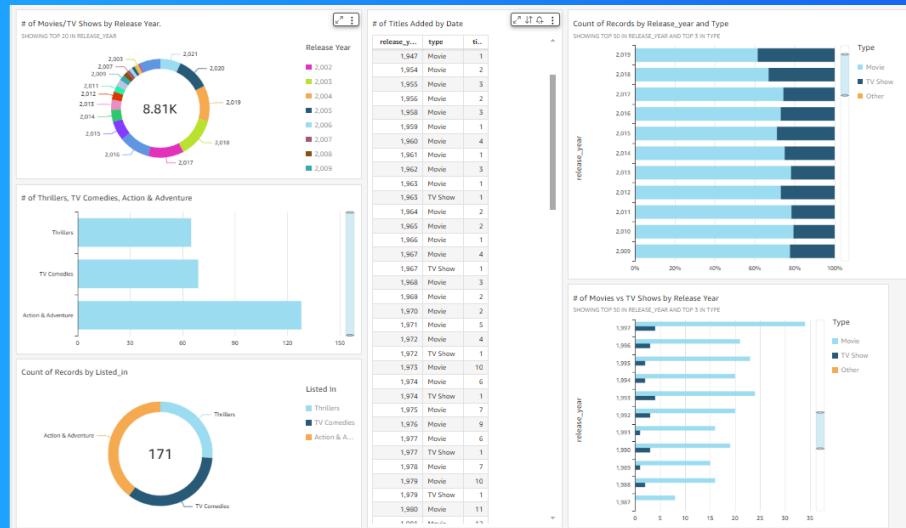




Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a scalable, serverless BI service for creating interactive visualizations and reports. It's useful for its ease of use, seamless AWS integration, cost-efficiency, and ability to deliver fast, interactive insights.

How I used Amazon QuickSight in this project

In today's project, I used Amazon QuickSight to create interactive visualizations and dashboards. I configured data sources, designed charts, applied filters, and exported reports to analyze and present key insights effectively.

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

One thing I didn't expect in this project was how quickly and easily Amazon QuickSight allows for creating and customizing visualizations. The intuitive interface and seamless integration with AWS services made the process more efficient than anticipated.

This project took me...

Another AWS Service done! How much time did this project take you?



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Upload project files into S3

S3 is used in this project to store two files, which are: manifest.json netflix_titles.csv These files are likely used for managing metadata and storing dataset information respectively.

I edited the `manifest.json` file by updating the S3 bucket file location and reuploaded it. It's important to edit this file to ensure the data tool can access the dataset in its new location.

The screenshot shows the Amazon S3 console interface. The top navigation bar includes 'Amazon S3', 'Buckets', and the selected bucket name 'nextwork-quicksight-project-srujan'. Below the navigation is a toolbar with 'Actions' dropdown, 'Create folder', and an orange 'Upload' button. A search bar labeled 'Find objects by prefix' is present. The main area displays a table of objects:

| Name | Type | Last modified | Size | Storage class |
|--------------------|------|--|---------|---------------|
| manifest.json | json | September 12, 2024, 10:28:51 (UTC+05:30) | 305.0 B | Standard |
| netflix_titles.csv | CSV | September 12, 2024, 10:22:22 (UTC+05:30) | 3.2 MB | Standard |



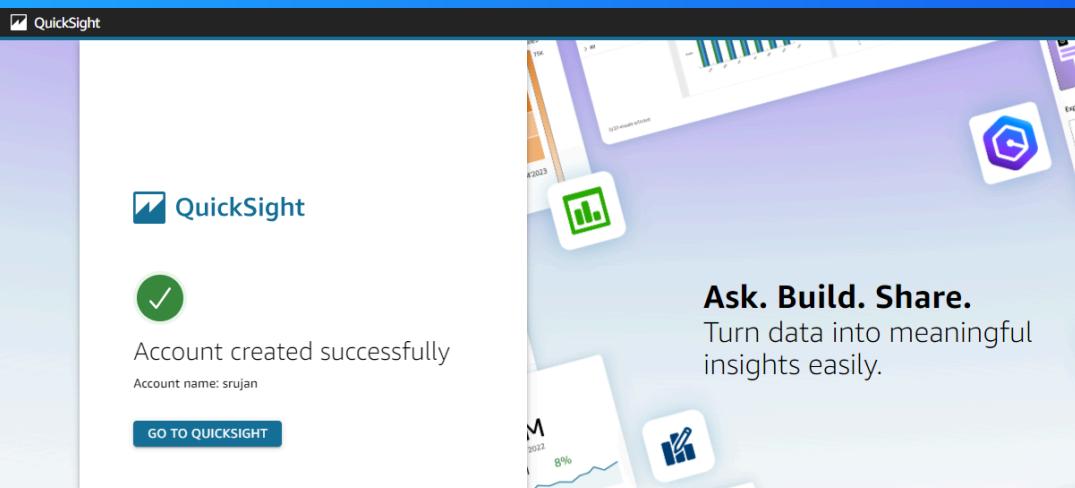
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Create QuickSight account

Creating a QuickSight account is free of charge. It's straightforward and quick to set up, allowing you to create an account within a few minutes without any cost. This provides access to QuickSight's features and services.

Creating an account took me just a couple of minutes. The process was quick and straightforward, allowing for immediate access to QuickSight's features without any hassle.





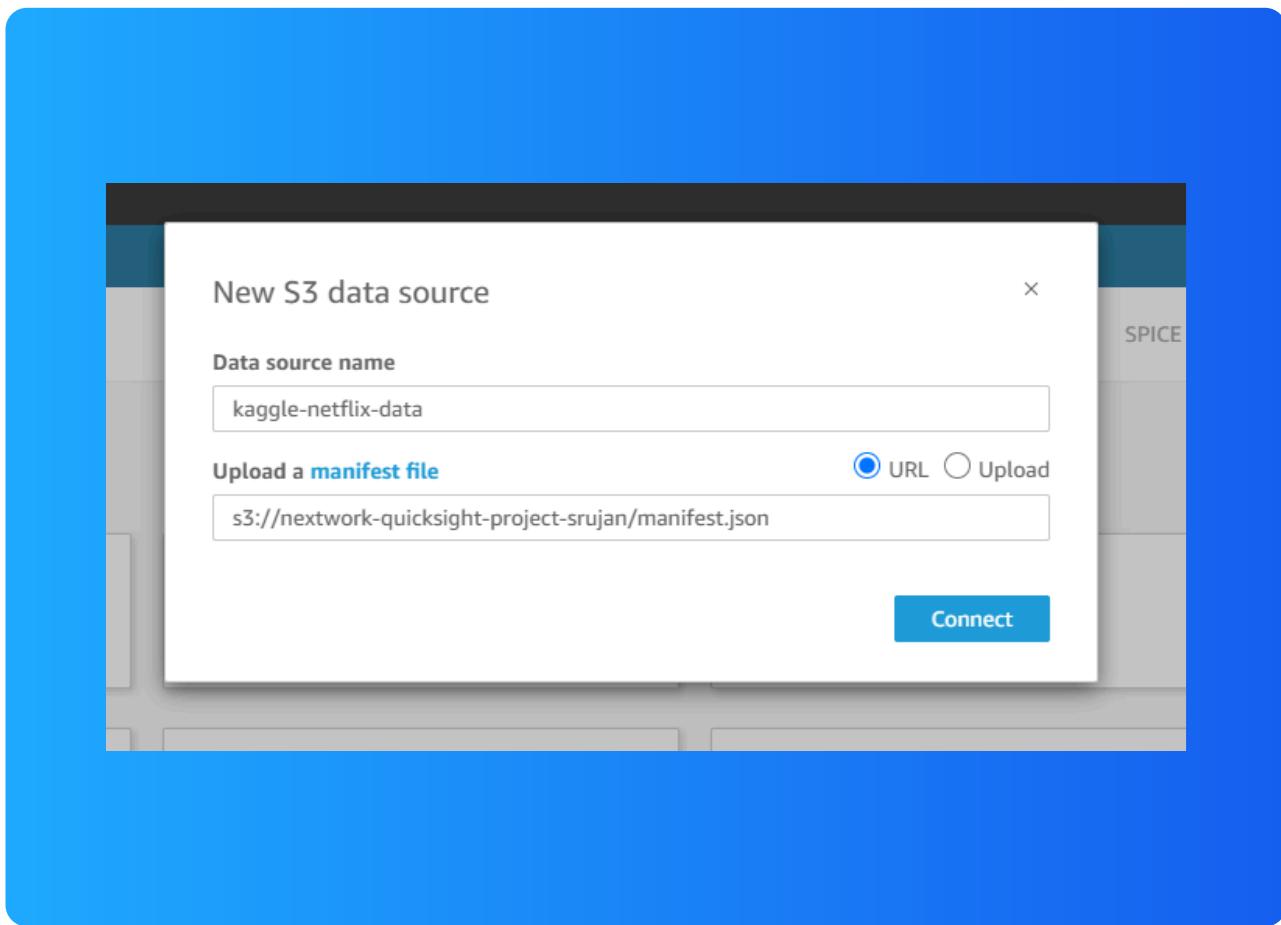
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Download the Dataset

I connected the S3 bucket to QuickSight by visiting the **Datasets** page, where I chose to create a new dataset and selected Amazon S3 as the data source.

The manifest.json file was important in this step because it specifies the location and format of the data files stored in the S3 bucket, allowing QuickSight to accurately locate and access the dataset for analysis and visualization.





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My first visualization

To create visualizations on QuickSight, I select the dataset and choose a chart type. I add dimensions such as "diving" and "releasing years" to the chart, configure the Y-axis to display these metrics, and adjust settings for accurate representation

The chart is a breakdown of movie and TV show data, showing categories like "diving" and "releasing years" on the Y-axis. It visualizes trends and distributions over time, providing insights into content releases and categories.

I created this graph by dragging and dropping the "release date" field and selecting types like movie or TV shows. I used these fields to configure the chart, setting up the visualization to display trends and categories over time.





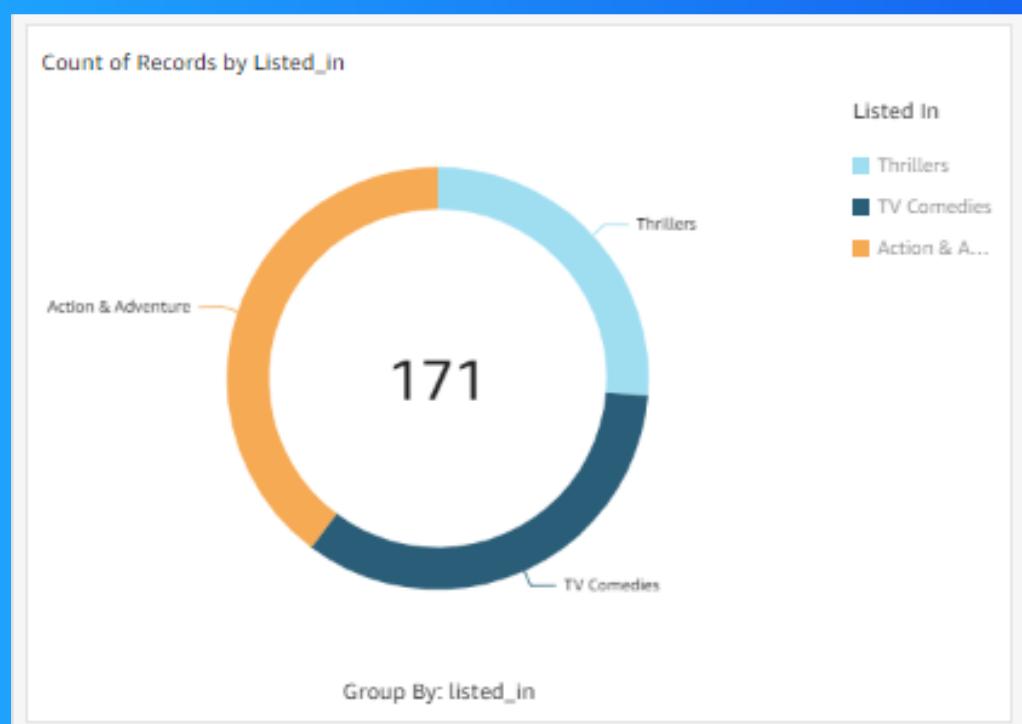
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Using filters

Filters are useful for narrowing down data to focus on specific subsets, which helps in analyzing relevant information, removing noise, and gaining clearer insights. They enable customized views and more precise data exploration.

This visualization is a breakdown of movies released before 2015 and those from 2015-2021, along with all TV shows and movies. Here, I added a filter by release date to differentiate between the earlier and more recent content, providing a clear view





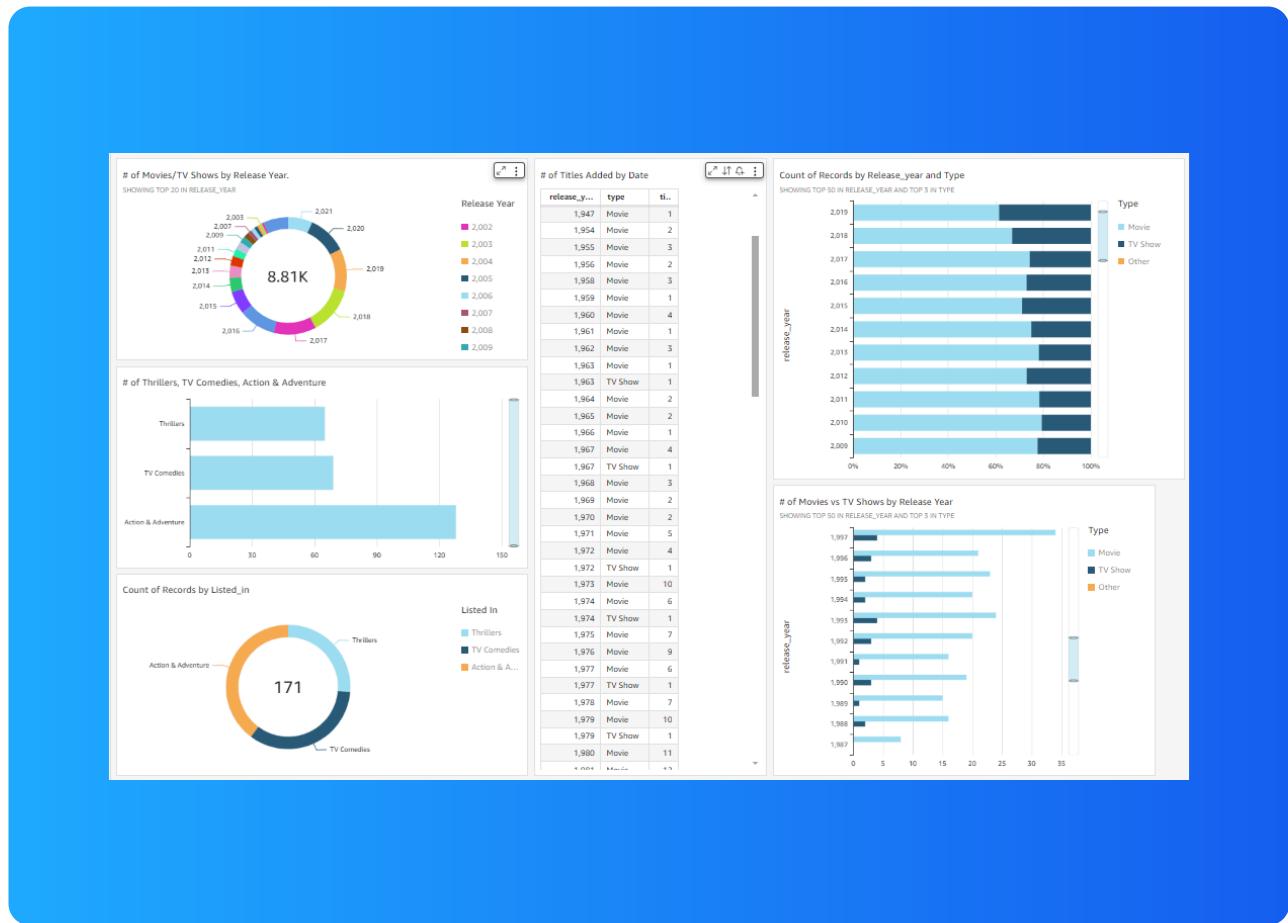
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Setting up a dashboard

As a finishing touch, I reviewed the dashboard for accuracy and clarity, adjusted the visual elements for better readability, and ensured all filters and interactions were working correctly before publishing.

Did you know you could export your dashboard as PDFs too? I did this by selecting the export option from the QuickSight dashboard menu, choosing PDF as the format, and then saving the exported file to my desired location.





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