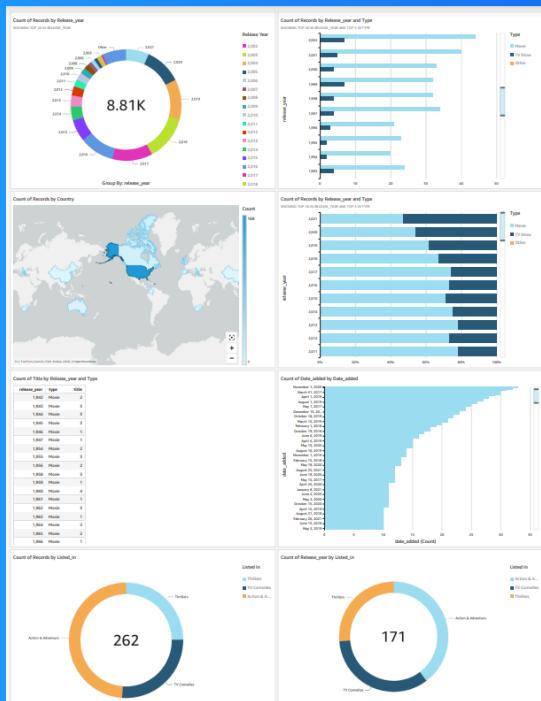




Visualize data with QuickSight



Pooja Srikanth





Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-powered business intelligence (BI) service that helps you easily create and share interactive dashboards and reports.

How I used Amazon QuickSight in this project

I used Amazon QuickSight to analyze Netflix platform data, creating visual reports and dashboards for better insights.

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

It works similar to Power BI, but has more easier usage with simple UI.

This project took me...

It took me around 1 hour to complete this amazing project.



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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... It's important to edit this file because the url is formated under the bucket name that i have created.

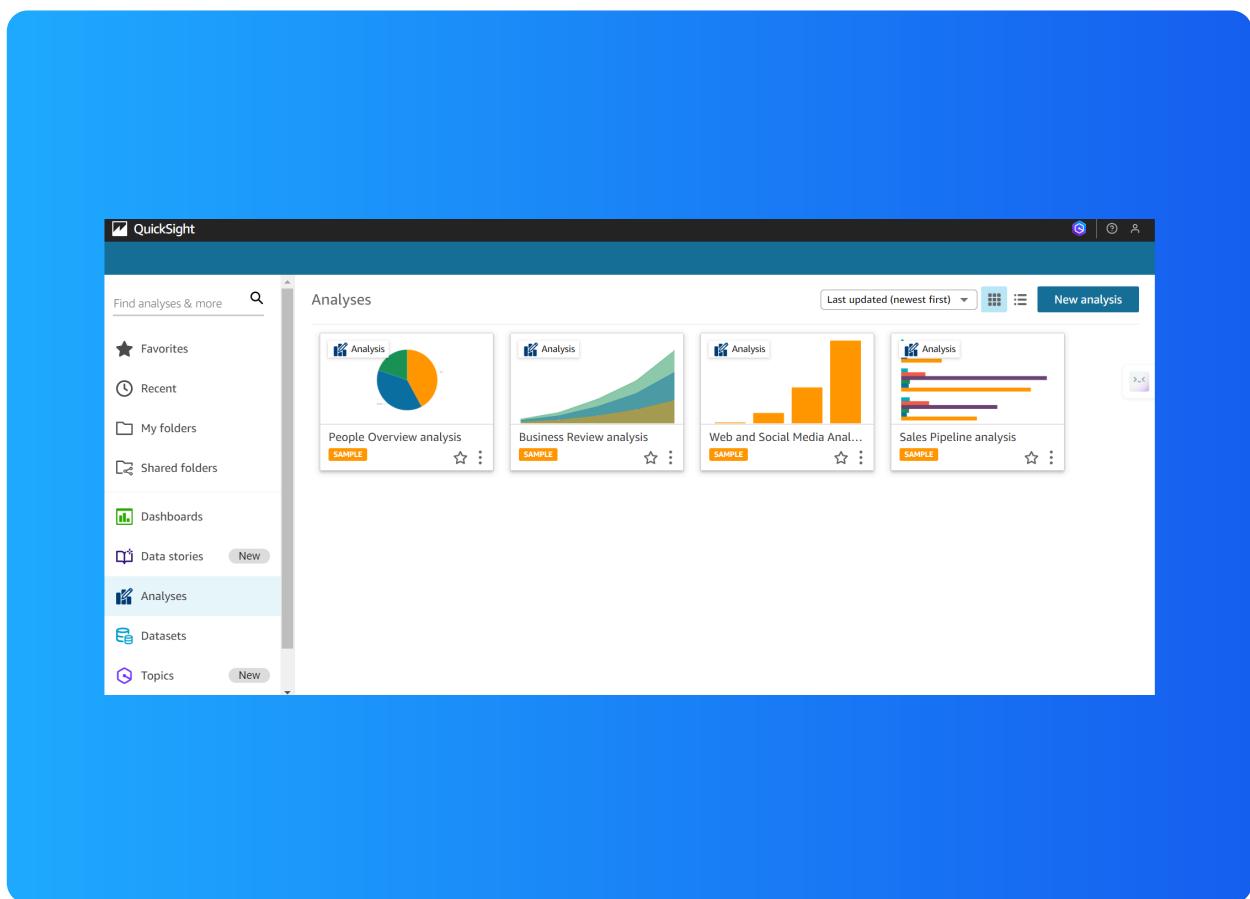
The screenshot shows the Amazon S3 console interface. The top navigation bar includes 'Amazon S3', 'Buckets', and the current bucket name 'nextwork-quicksight-project-pooja'. Below the navigation is a toolbar with 'Objects' (selected), 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The main area displays a table of objects:

Actions	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	manifest.json	json	October 15, 2024, 09:44:51 (UTC+05:30)	501.0 B	Standard
<input type="checkbox"/>	netflix_titles.csv	csv	October 15, 2024, 09:45:29 (UTC+05:30)	3.2 MB	Standard

Create QuickSight account

Creating a QuickSight account cost is free for enterprise usage without having paginated reports for checking

Creating an account took me less than 2 minutes



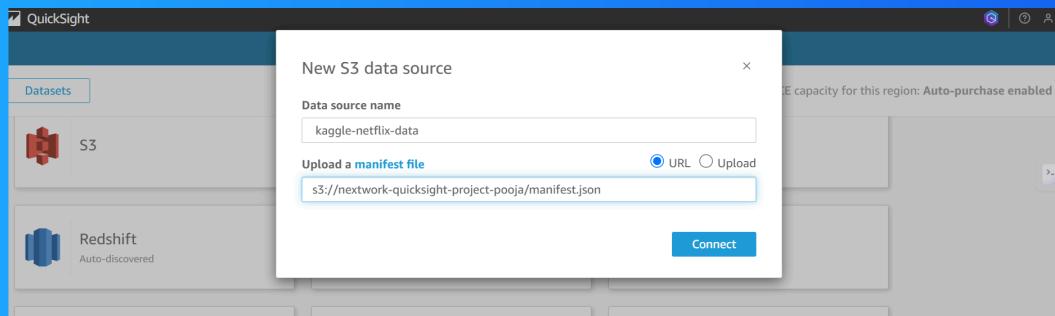
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Download the Dataset

I connected the S3 bucket to QuickSight by visiting the dataset from navigation bar and created a new dataset for it

The manifest.json file was important in this step because it consists of the ls3 link of the CSV file for the connection.





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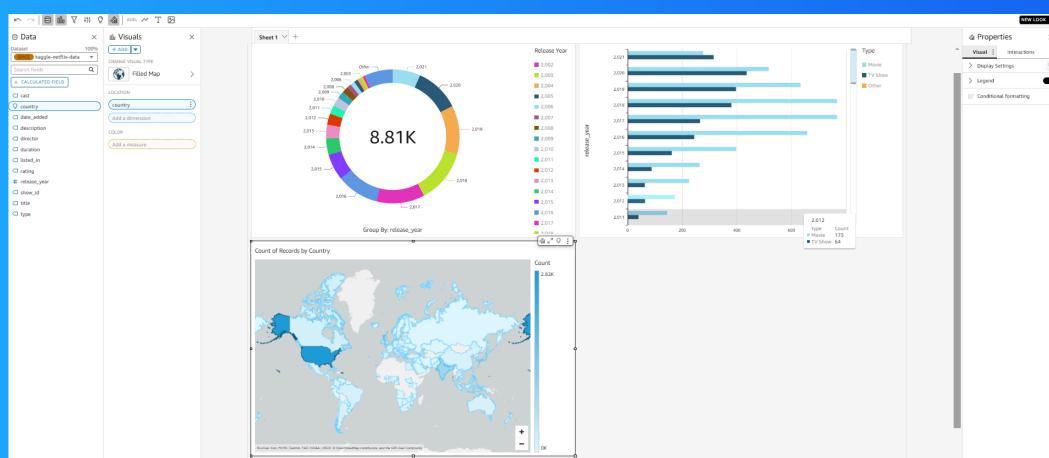
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My first visualization

To create visualizations on QuickSight, I experimented with different types of graphs, such as bar charts, pie charts, and line graphs, with the data connected for analysis.

The chart/graph shown here breaks down the count of records by release_year, using a bar chart with type attribute and counting records by country.

I created these graphs by dragging and dropping elements like type,country,release_year that are fetched from CSV columns.





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Using filters

Filters are useful for presenting the QuickSight charts for various categories, requirements to visualize and understand.

This visualization is a breakdown of various requirements. Here I added a filter by release_year, listed_in, and more indexes for visual representation.





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Setting up a dashboard

As a finishing touch, I kept proper arrangement of the charts and displayed it altogether.

'Did you know you could export your dashboard as PDFs too? I did this by clicking on Export and clicked on Create PDF, which I downloaded after it was converted





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