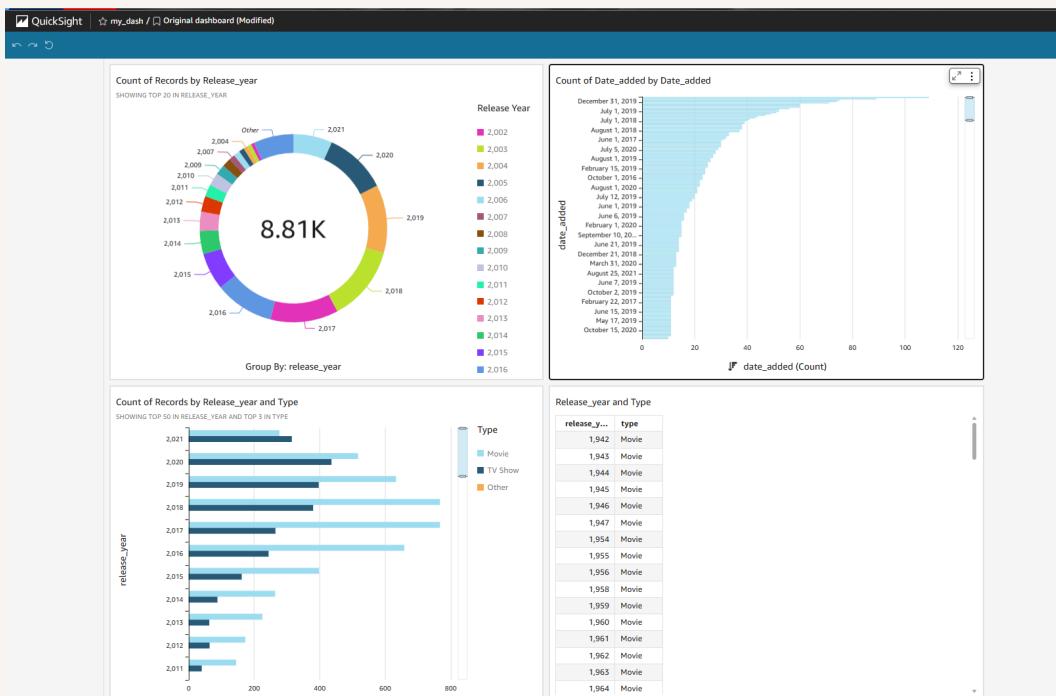


Visualize data with QuickSight



Sr.80_Sarthak Mahajan





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NextWork Student

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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-powered business intelligence (BI) service that allows users to create interactive dashboards and visualizations. It is useful because it enables

How I used Amazon QuickSight in this project

I used Amazon QuickSight to create interactive visualizations, including bar charts, donut charts, and tables. I connected a dataset, applied filters, and customized the dashboard to analyze trends and insights effectively.

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

One thing I didn't expect in this project was how intuitive Amazon QuickSight's interface is. The ease of applying filters and customizing visuals made the data analysis process much smoother than anticipated.



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This project took me...

This project took me approximately 2 hours to complete. Setting up the dataset and creating visualizations was quick, but fine-tuning the dashboard and applying filters took extra time for accuracy.

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Upload project files into S3

S3 is used in this project to store two files: manifest.json, likely a metadata file for QuickSight, and netflix_titles.csv, a dataset for analysis. Stored in the nextwork-quicksight-project-sarthakquicksight bucket, these files enable seamless AWS

I edited the manifest.json file by updating file paths, schema definitions, or data formats for QuickSight integration. It's important to edit this file because it ensures accurate data import, proper mapping, and seamless processing for analysis.

Name	Type	Last modified	Size	Storage class
manifest.json	json	March 21, 2025, 18:45:10 (UTC+05:30)	316.0 B	Standard
netflix_titles.csv	csv	March 21, 2025, 18:40:29 (UTC+05:30)	3.2 MB	Standard

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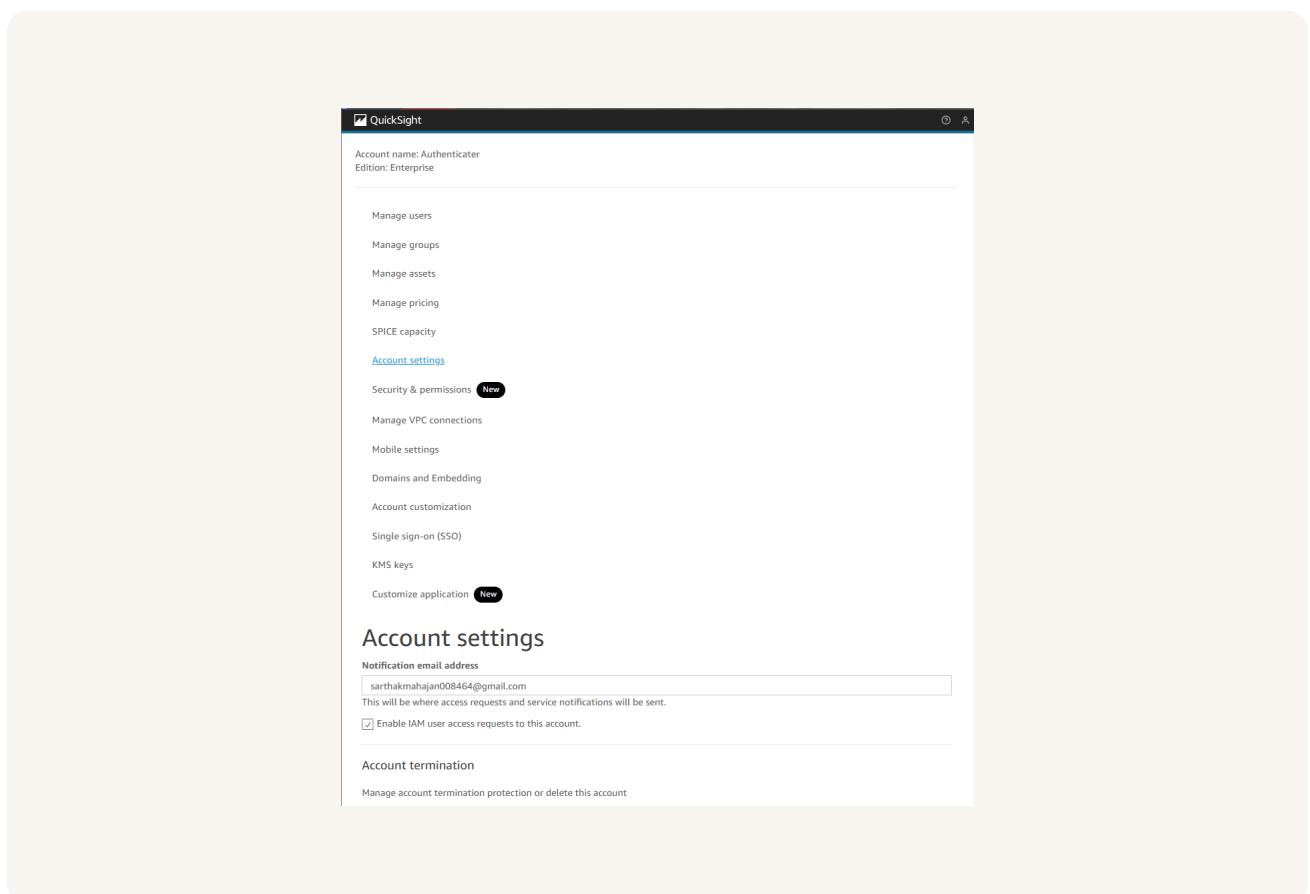
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Create QuickSight account

Creating a QuickSight account cost me 0 \$ as it is absolutly free to open account in quicksight

Start your response with 'Creating an account took me around 5-10 minutes only.



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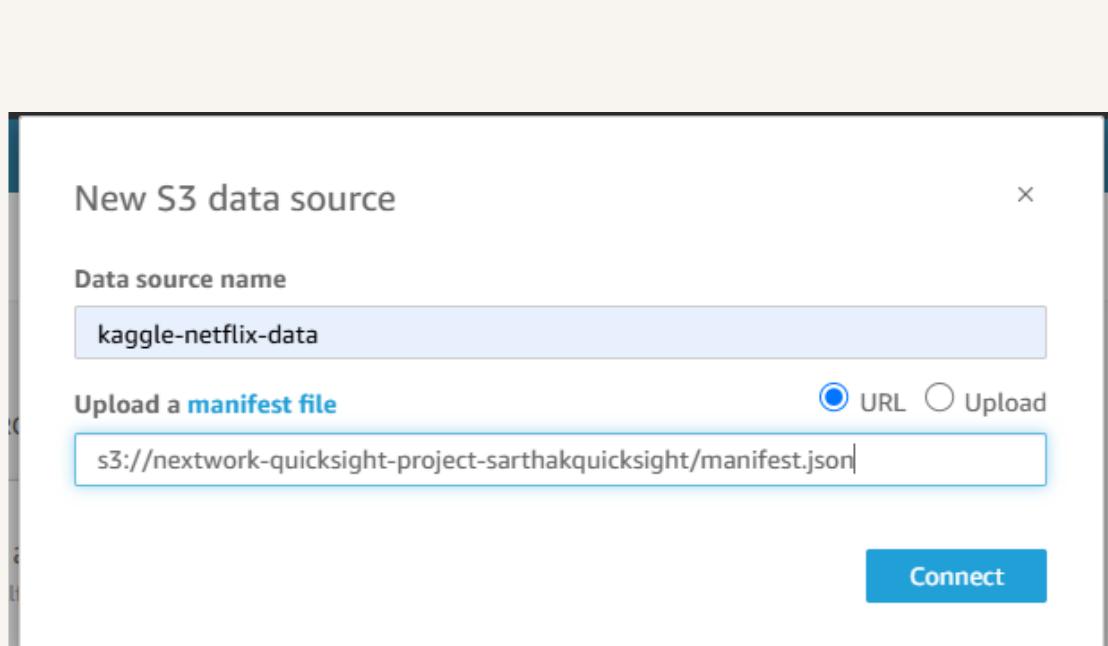
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Download the Dataset

I connected the S3 bucket to QuickSight by visiting the "New S3 data source" page, entering the data source name, and providing the S3 manifest file URL to establish a connection for data import.

The manifest.json file was important in this step because it defines the S3 data location, format, and schema, ensuring QuickSight correctly imports and interprets the dataset for analysis and visualization.



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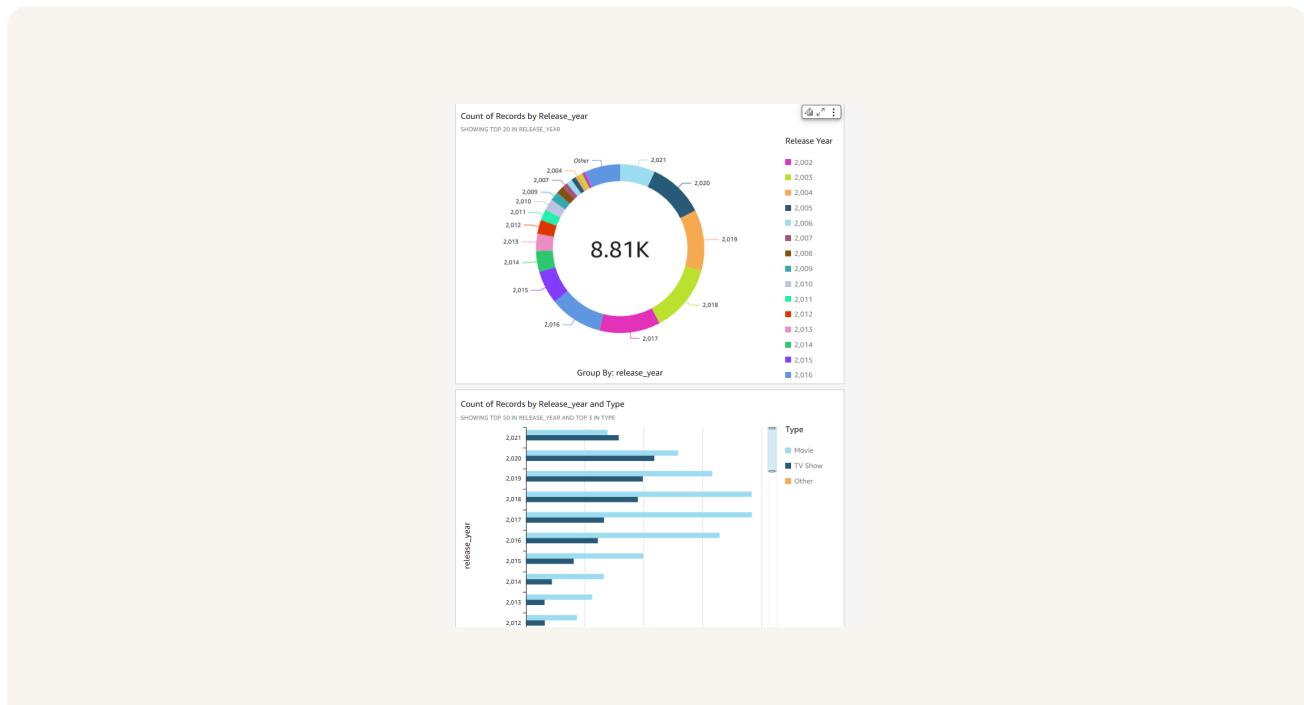
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My first visualization

To create visualizations on QuickSight, I imported data from S3, selected a dataset, and used the analysis tab to choose chart types. I then configured fields like release_year and type to generate insights.

The chart/graph shown here is a breakdown of Netflix titles by release year and type. The donut chart shows the count of records per year, while the bar chart categorizes them into Movies, TV Shows, and Other.

I created this graph by dragging and dropping the release_year field for grouping and using count of records as the metric. I added type as a category for the bar chart to differentiate Movies, TV Shows, and Other.





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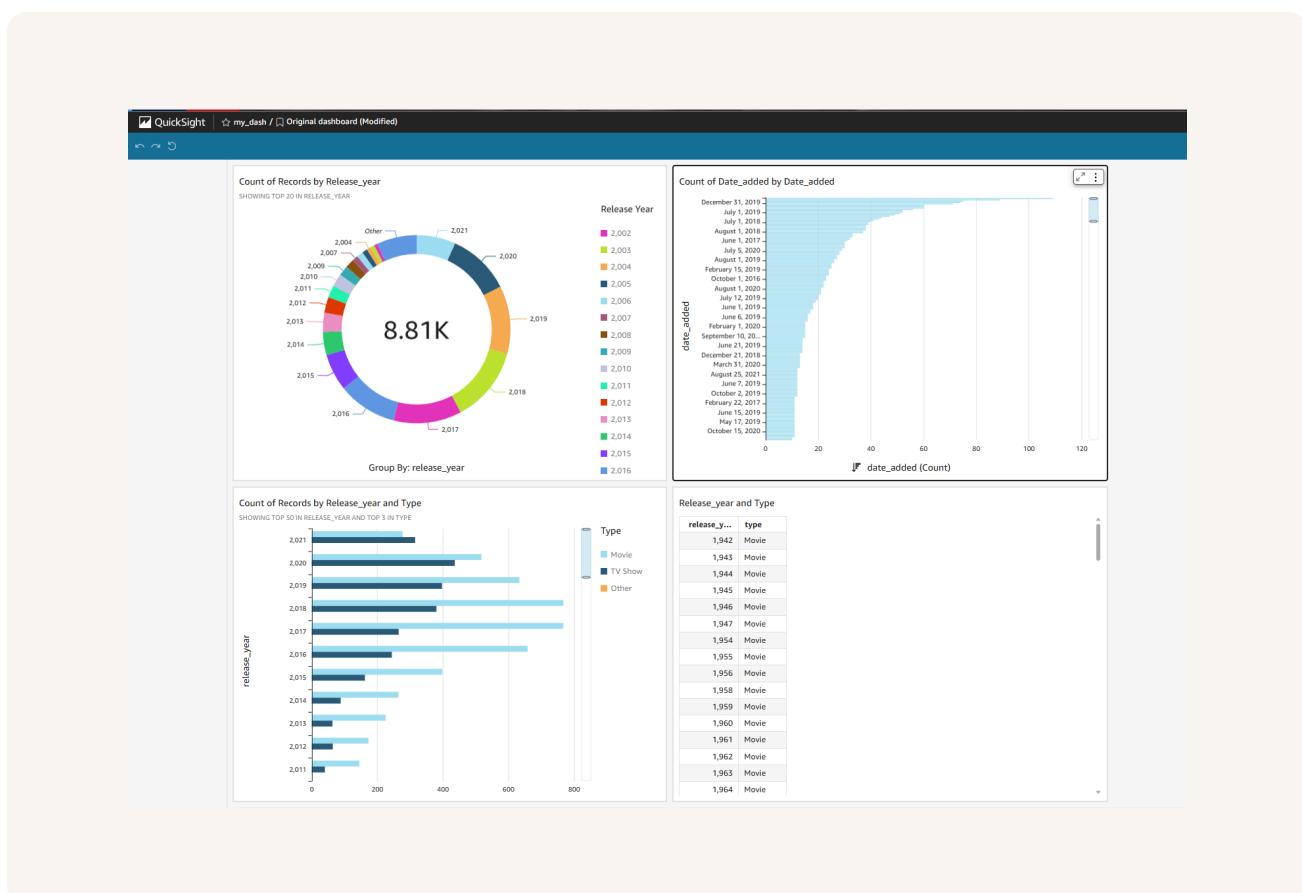
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Using filters

Filters are useful for refining data visualizations by focusing on specific values, removing unnecessary information, and improving insights. They help analyze trends, compare segments, and enhance decision-making.

Yesterday Previous 7 Days Previous 30 Days February You said: Uploaded image
What are the two files you stored in your S3 bucket? Start your response with 'S3 is used in this project to store two files, which are'... ChatGPT said: S3 is used in this



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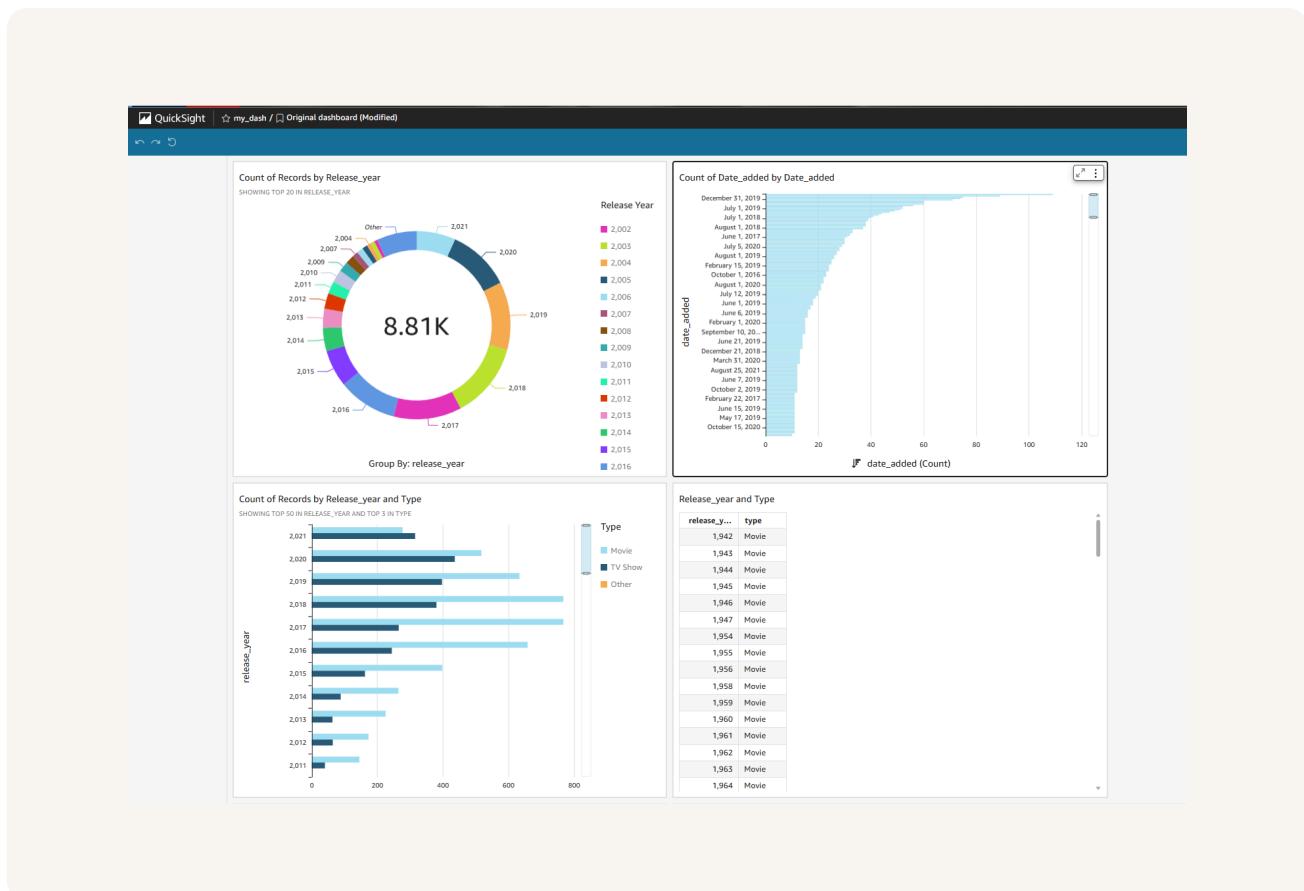
NextWork Student

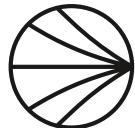
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Setting up a dashboard

As a finishing touch, I reviewed the visualizations for accuracy, adjusted the layout for clarity, applied filters for better insights, and ensured consistent formatting before publishing the dashboard.

Did you know you could export your dashboard as PDFs too? I did this by clicking the Share option in QuickSight, selecting Export to PDF, adjusting the layout if needed, and then downloading the file.





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