

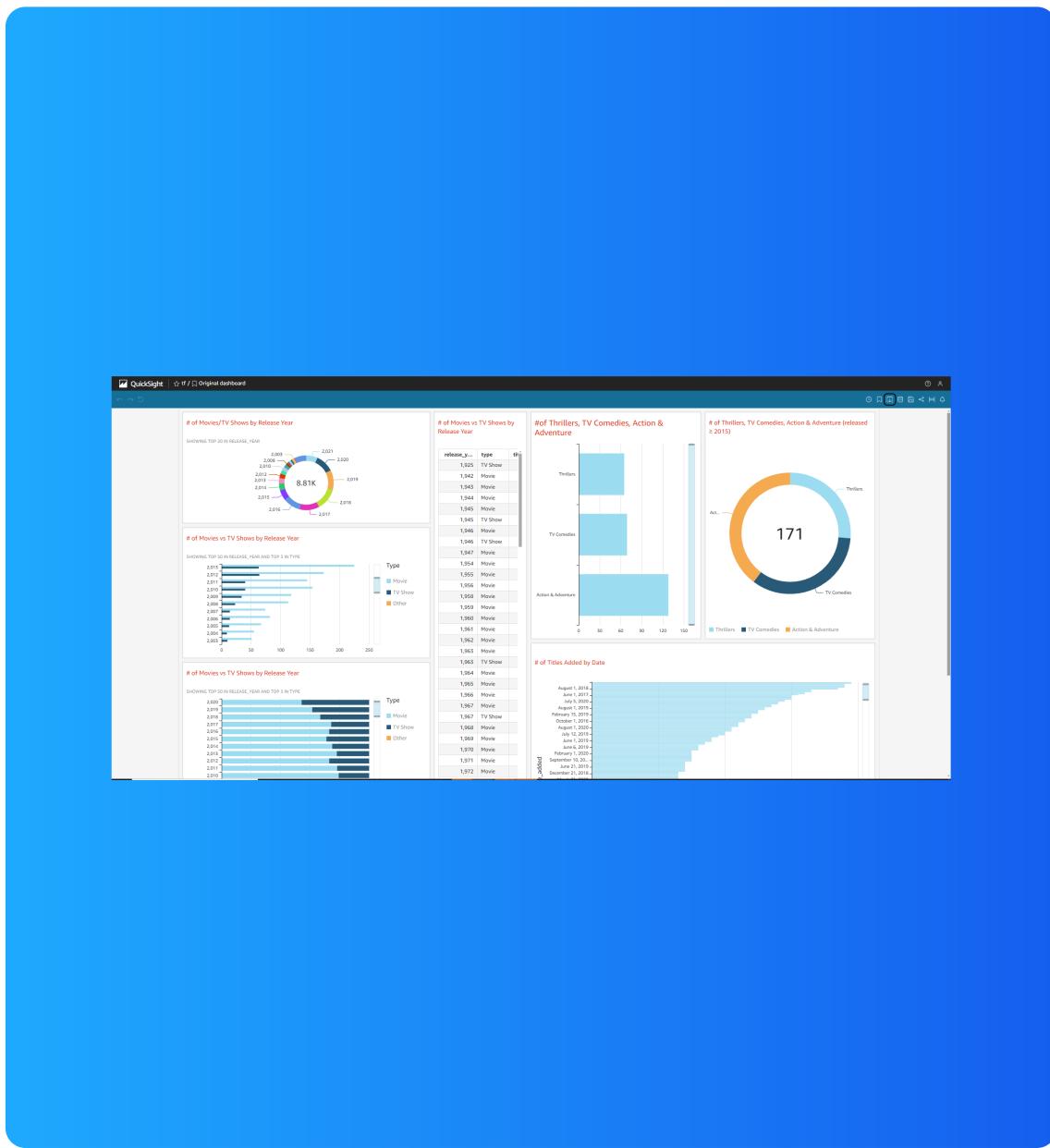


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Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a cloud-based business intelligence (BI) tool offered by Amazon Web Services (AWS). It empowers businesses to transform their data into actionable insights

How I used Amazon QuickSight in this project

Created interactive dashboards and reports with various charts and graphs to visualize data trends and patterns. This helps me understand complex information quickly and easily

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

n/a

This project took me...

1 hour

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Upload project files into S3

'S3 is used in this project to store two files, which are my dataset and manifest.json file

I edited the manifest.json file by updating the s3 uri of my dataset It's important to edit this file because keeping an updated s3 uri file means that manifest.json would be redirecting to the wrong address

The screenshot shows the AWS S3 console interface. At the top, the path 'Amazon S3 > Buckets > groot279-quicksight-cyberchef-201' is visible. Below the path, there are tabs for 'Objects' (selected), 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The main area displays 'Objects (2)' with a table:

Name	Type	Last modified	Size	Storage class
manifest.json	json	July 21, 2024, 15:28:17 (UTC+01:00)	304.0 B	Standard
netflix_titles.csv	csv	July 21, 2024, 15:20:34 (UTC+01:00)	3.2 MB	Standard

Below the table, there is a search bar labeled 'Find objects by prefix' and a set of actions: Copy S3 URI, Copy URL, Download, Open, Delete, Actions (with a dropdown arrow), Create folder, and Upload (which is highlighted with a yellow background). At the bottom of the page, there are links for CloudShell, Feedback, and footer text: © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences.

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Create QuickSight account

Creating a QuickSight account cost is free to crerate a quicksights account the free trail lasts for three days

Creating an account took me three miuntes to select the relevant options

The screenshot shows the AWS S3 console interface. The top navigation bar includes 'Services', a search bar, and a user dropdown for 'Groot279'. The main area displays a single object in a bucket named 'groot279-quicksight-cyberchef-201'. The object is a CSV file named 'netflix_titles.csv' with a size of 3.2 MB and a storage class of Standard. The file was last modified on July 21, 2024, at 15:20:34 (UTC+0100). Below the object list are standard S3 actions: Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload. A message '53 UR copied' is visible above the actions bar. At the bottom of the page, there are links for CloudShell, Feedback, and a footer note: '© 2024, Amazon Web Services, Inc. or its affiliates.' followed by 'Privacy', 'Terms', and 'Cookie preferences'.

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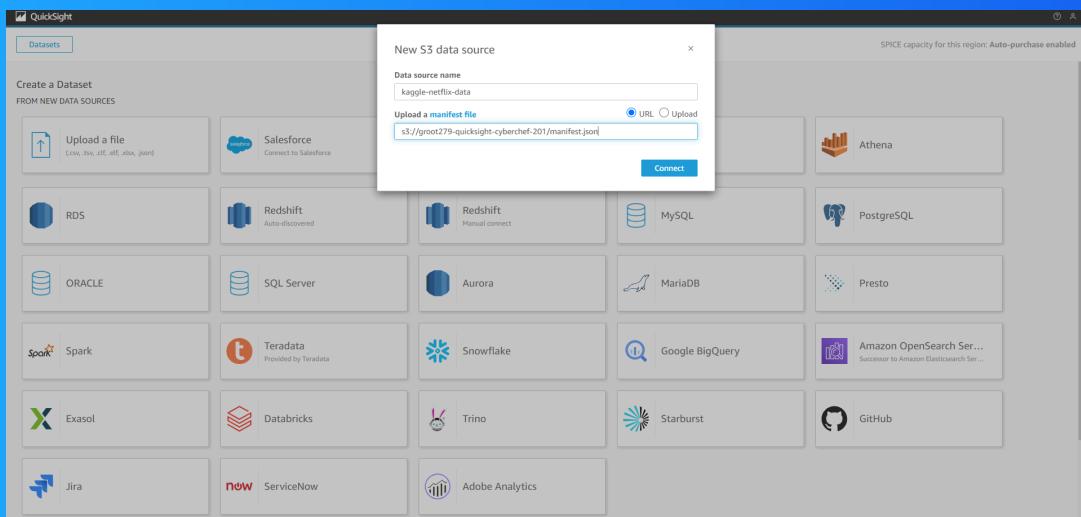
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Download the Dataset

I connected the S3 bucket to QuickSight by visiting the s3 bucket

The manifest.json file was important in this step because like a map that tells Amazon QuickSight where your data lives and how to read your data and tells QuickSight what your dataset looks like



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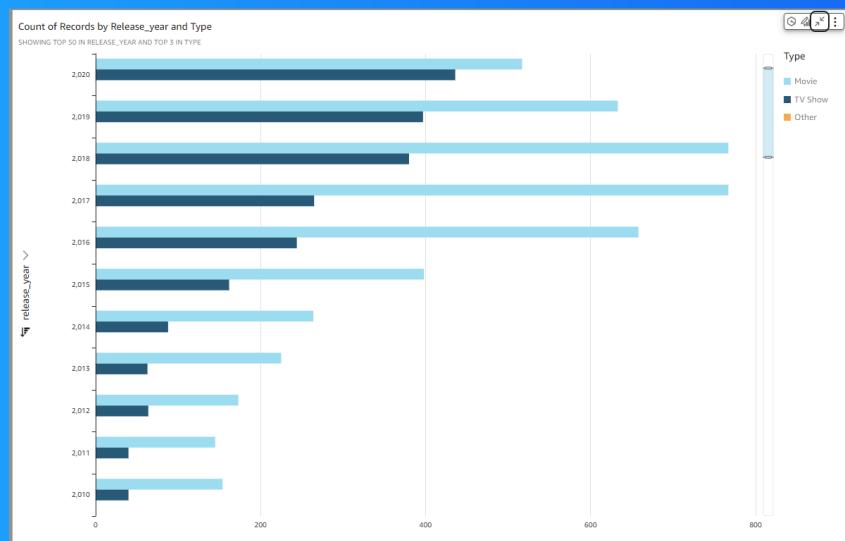
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My first visualization

To create visualizations on QuickSight, you will have to drag relevant fields into quicksight dashboards autograph space

The graph shown here is a breakdown of movies vs tv shows for every release year. I created this graph by putting the release year on the y-axis, and making the type(i.e. movie or tvshow) the grouping variable

I created this graph by dragging and dropping the release year on the y-axis, and making the type(i.e. movie or tvshow) the grouping variable





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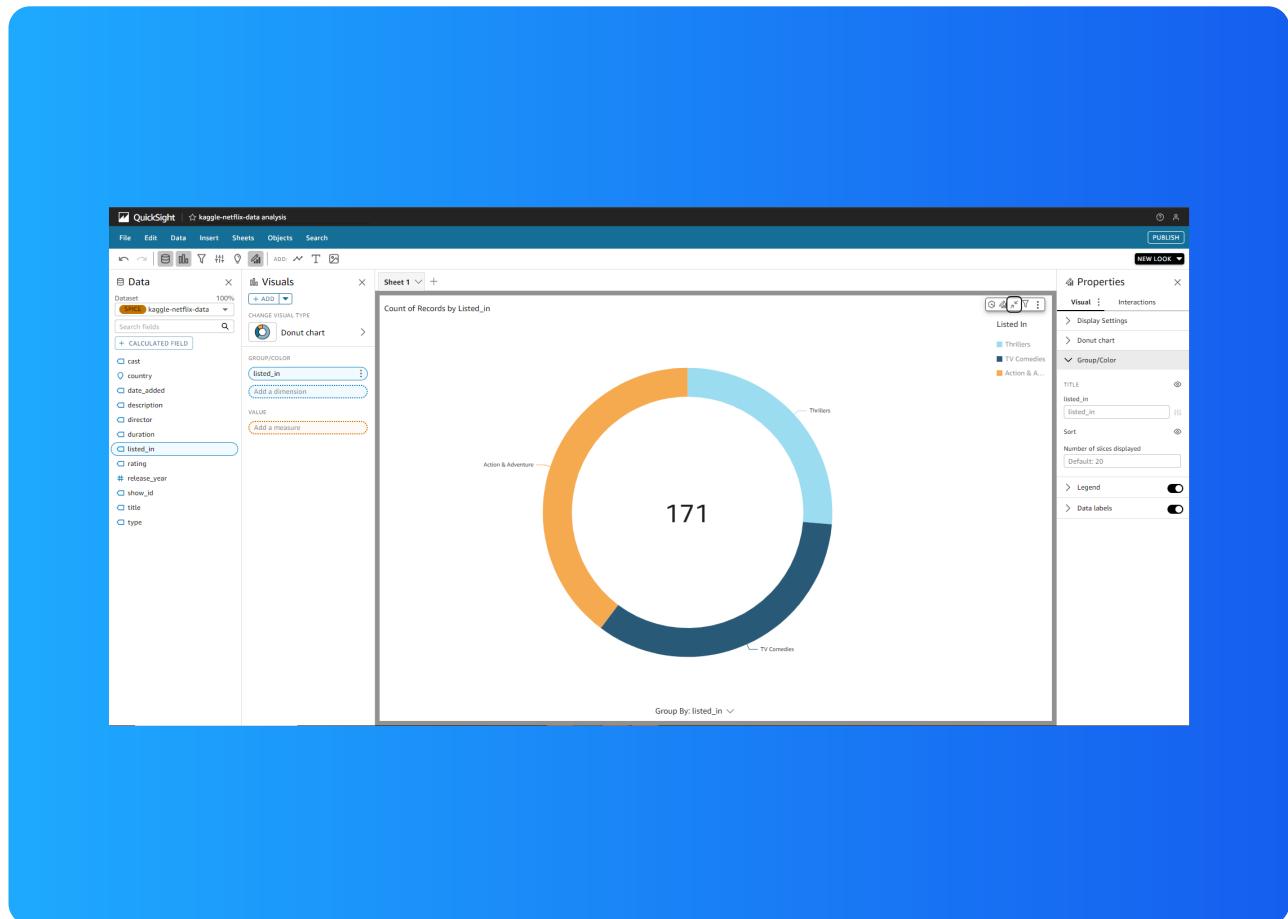
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Using filters

Filters are useful for specifying the exact subset of data that you are wanting to analyze -effectively excluding any irrelevant data

Here i added a filter by excluding movies and tv shows that were released before 2015. This helped me create a visualization on moviesand tv shows of the three genres i specified that were released from 2015 onwards





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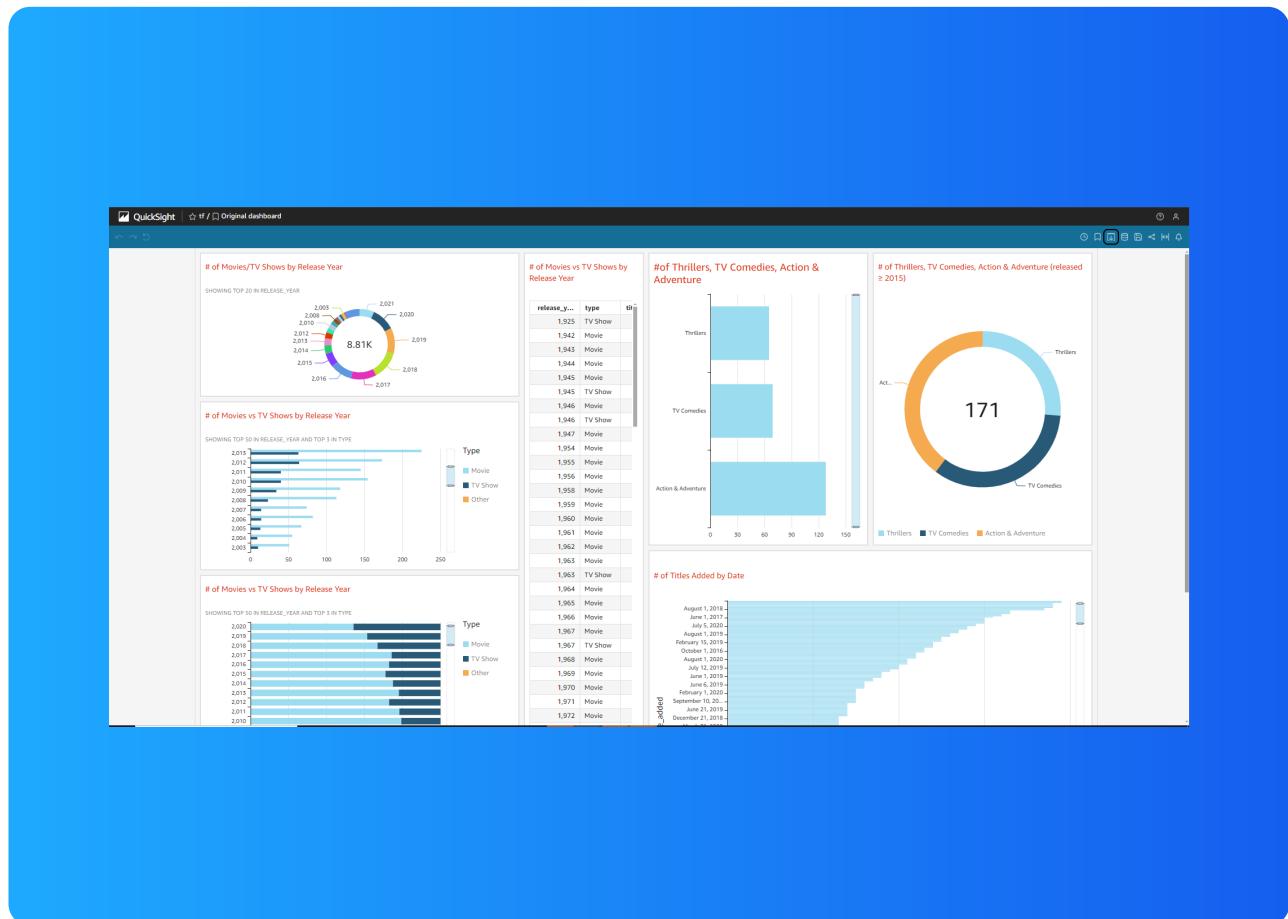
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Setting up a dashboard

I edited the titles of my graphs so that the purpose of each chart is clear to the reader

I did this by publishing my dashboard and using the export function





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