



Visualize data with QuickSight



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Introducing Today's Project!

What is Amazon QuickSight?

What is Amazon QuickSight is one of the AWS services that is used for visualising data. It is useful for its intuitive way of creating insightful visualisations.

How I used Amazon QuickSight in this project

I used Amazon QuickSight to connect to my dataset stored in S3.

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

It was fascinating to see how easy it was to create insightful visualisations with Amazon QuickSight.

This project took me...

This project took about 1 hour 30 minutes to complete.

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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 S3 url of my dataset. It is important to edit this file because the previous url was a generic one.

Amazon S3 > Buckets > nextwork-quicksight-project-vincent

nextwork-quicksight-project-vincent [Info](#)

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (2) [Info](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	manifest.json	JSON	August 26, 2024, 20:38:58 (UTC+01:00)	336.0 B	Standard
<input type="checkbox"/>	netflix_titles.csv	CSV	August 26, 2024, 20:33:56 (UTC+01:00)	3.2 MB	Standard

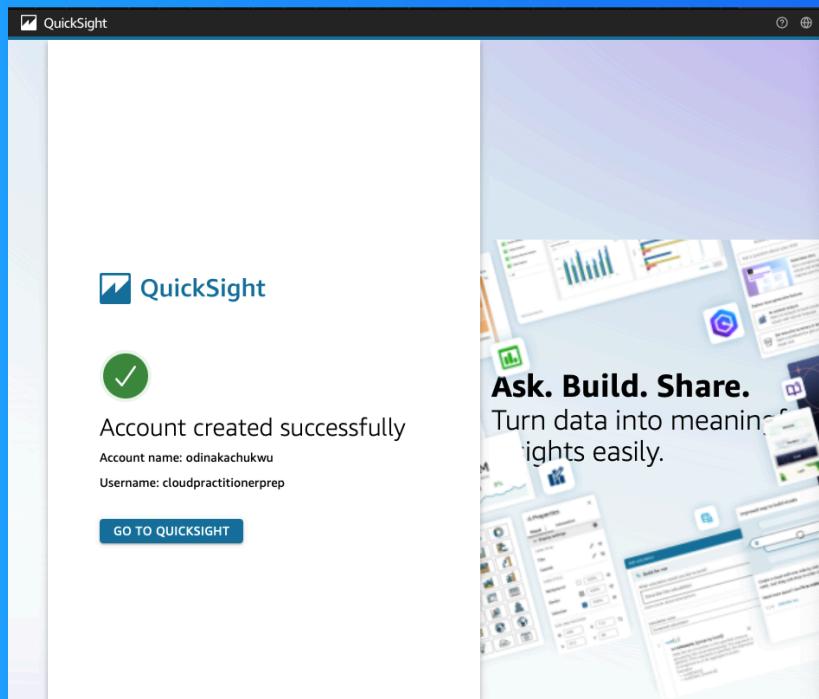
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Create QuickSight account

Creating a QuickSight account cost £0.

Creating an account took me about 2 minutes.



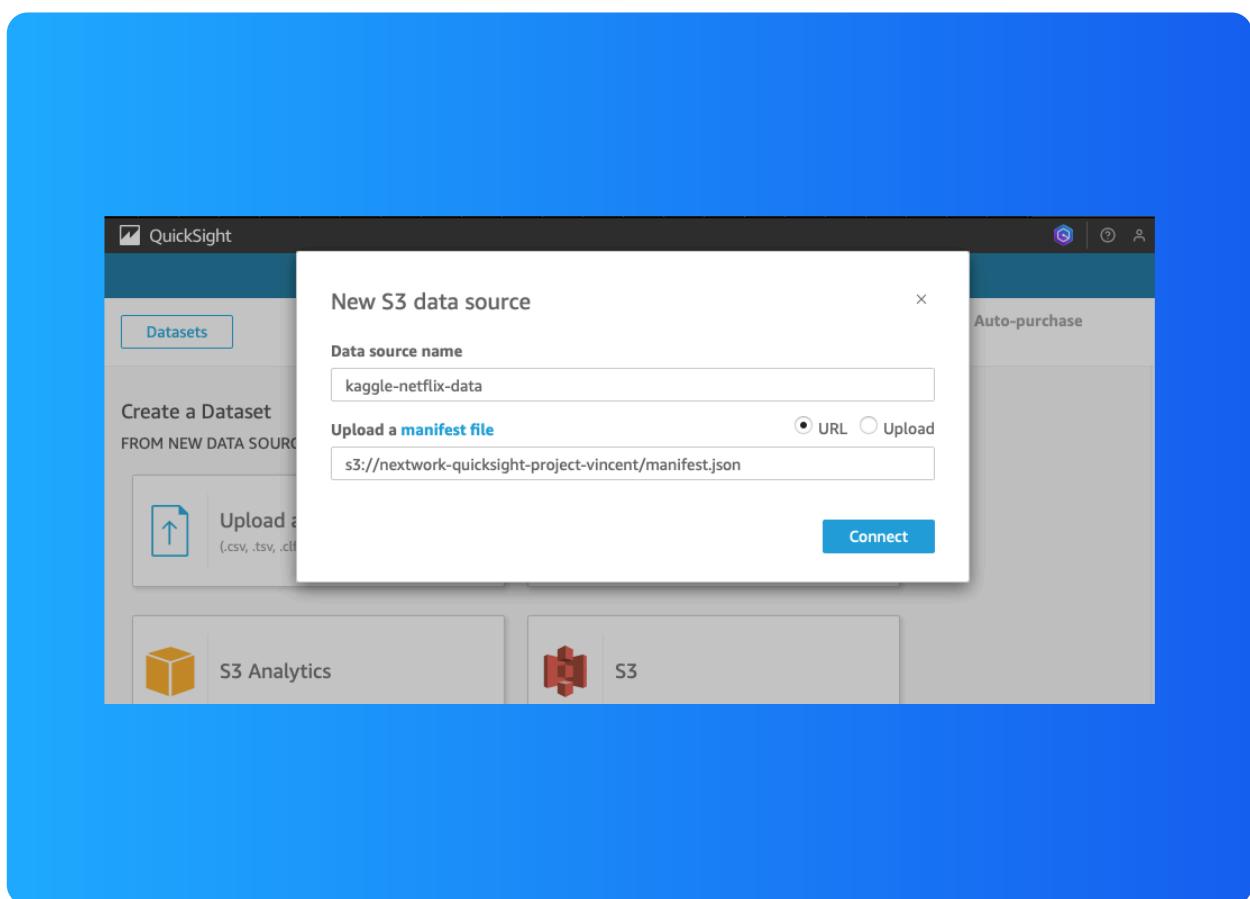
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Download the Dataset

I connected the S3 bucket to QuickSight by visiting the datasets page.

The manifest.json file was important in this step because it tells QuickSight more about the data I want it to connect to and where the data is located.



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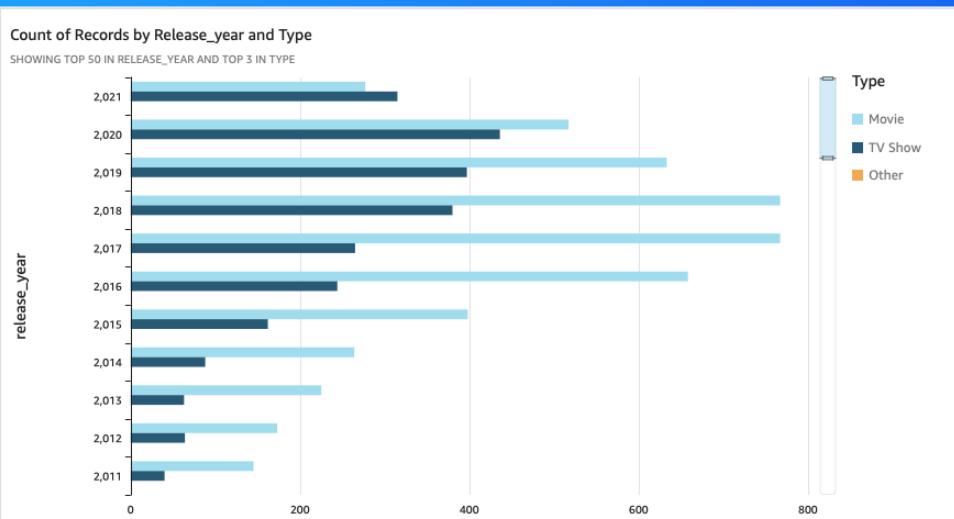
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My first visualization

To create visualisations on QuickSight, I dragged relevant fields into the QuickSight dashboard's AutoGraph space.

The chart/graph shown here is a breakdown of movies vs TV shows for every release year.

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



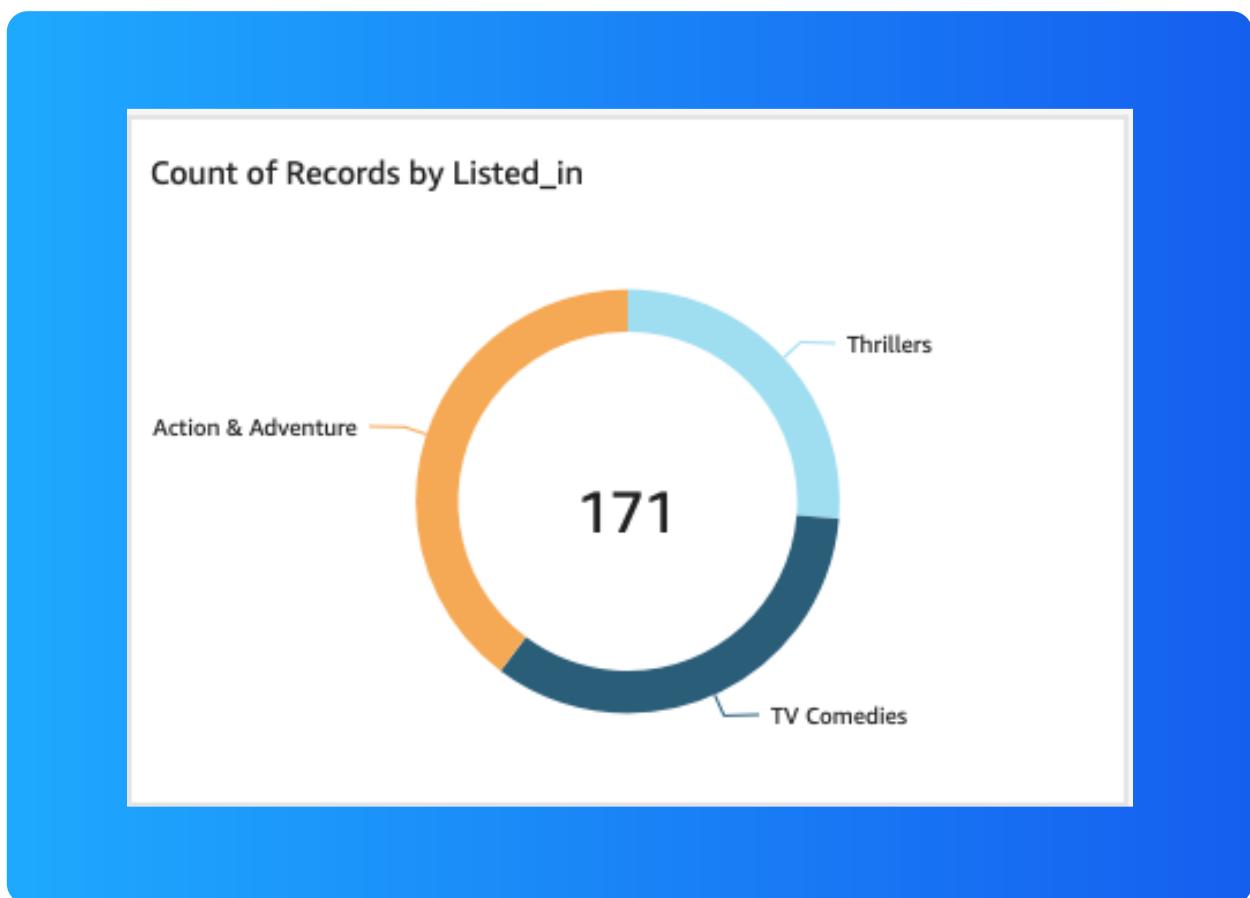
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Using filters

Filters are useful for specifying the exact subset of data that you are wanting to analyse and excluding any irrelevant data.

This visualisation is a breakdown of movies and TV shows of the three genres I specified that were release from 2015 onwards. Here I added a filter by excluding movies and TV shows that were released before 2015.



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Setting up a dashboard

As a finishing touch, I edited the titles of my graphs so that the purpose not each chart is clear to reader.

Did you know you could export your dashboard as PDFs too? I did this by publishing my dashboard, and using the export function.





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