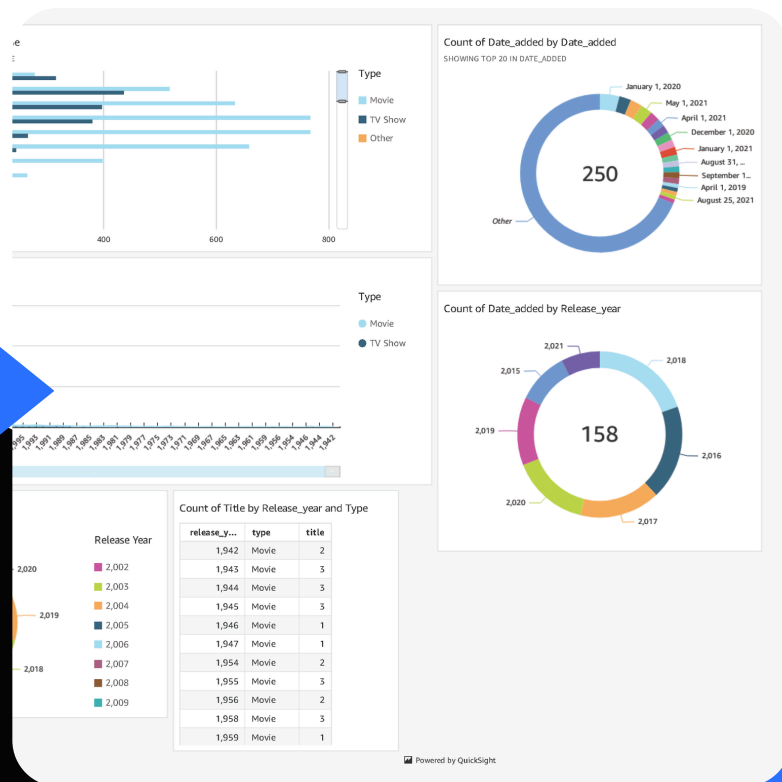


How I used Amazon QuickSight to visualise data



Muhammad Asif Sahil

id	name	country	date_added	type	length
1	Toy Story	United States	September 2, 2021	Movie	86 min
2	Toy Story 2	United States	September 2, 2021	Movie	93 min
3	Toy Story 3	United States	September 2, 2021	Movie	103 min
4	Toy Story 4	United States	September 2, 2021	Movie	100 min
5	Toy Story	United States	September 2, 2021	Movie	86 min
6	Toy Story	United States	September 2, 2021	Movie	86 min
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97	Toy Story	United States	September 2, 2021	Movie	86 min
98	Toy Story	United States	September 2, 2021	Movie	86 min
99	Toy Story	United States	September 2, 2021	Movie	86 min
100	Toy Story	United States	September 2, 2021	Movie	86 min



BEFORE WE START...

What is Amazon QuickSight?

What it does:

- Amazon QuickSight is a business intelligence service that enables users to connect, prepare, and analyze data from various sources. It offers interactive dashboards, advanced analytics, and machine learning insights. The service is fully managed, scalable, and features cost-efficient, pay-per-session pricing.

Why it's useful:

- It is the cloud based real-time solution for the data analysis and interpretation.

How I'm using it in today's project:

- I am using it in relation with AWS S3 bucket using the JSON call to interpret the datasets.



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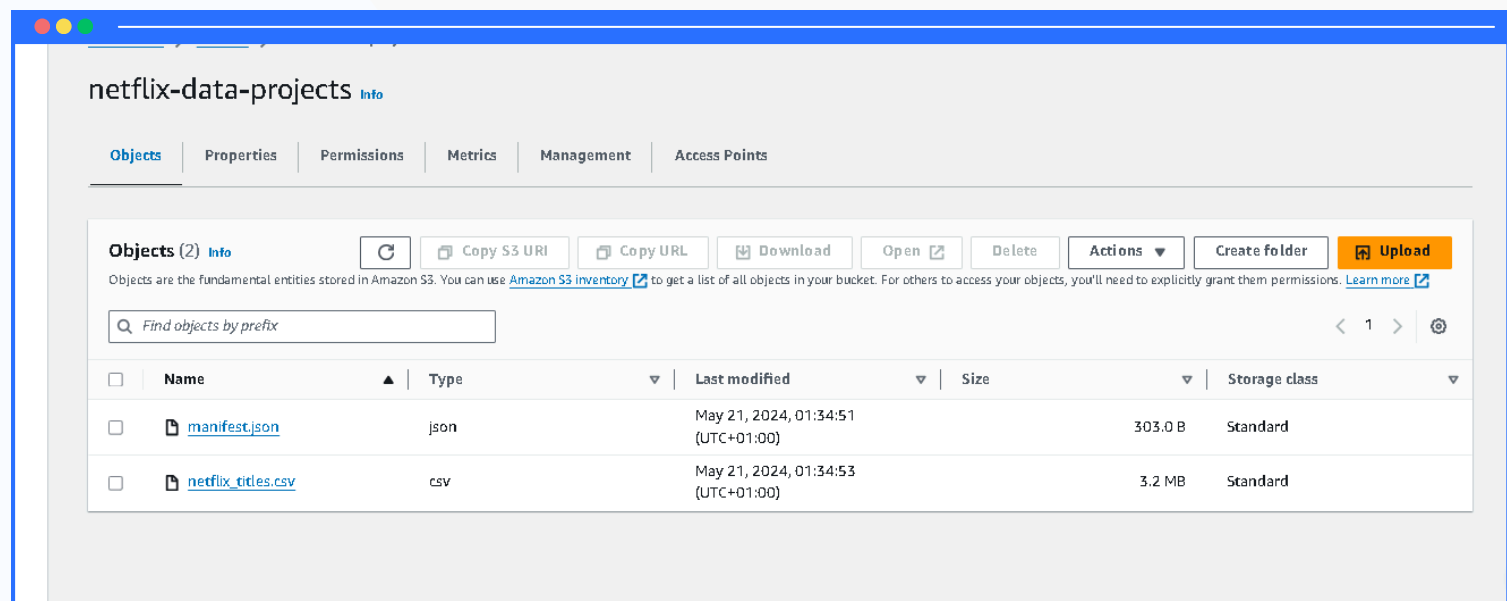
 @Real-Sahil

STEP ONE

Upload your dataset and a manifest.json file into S3

- S3 is used in this project to manipulate and interpret the data
- I edited the manifest.json file by using the VSCode It's important to edit this file because it helps S3 bucket and QuickSight to connect with the correct database.

Here's my bucket
with the CSV file and
manifest.json



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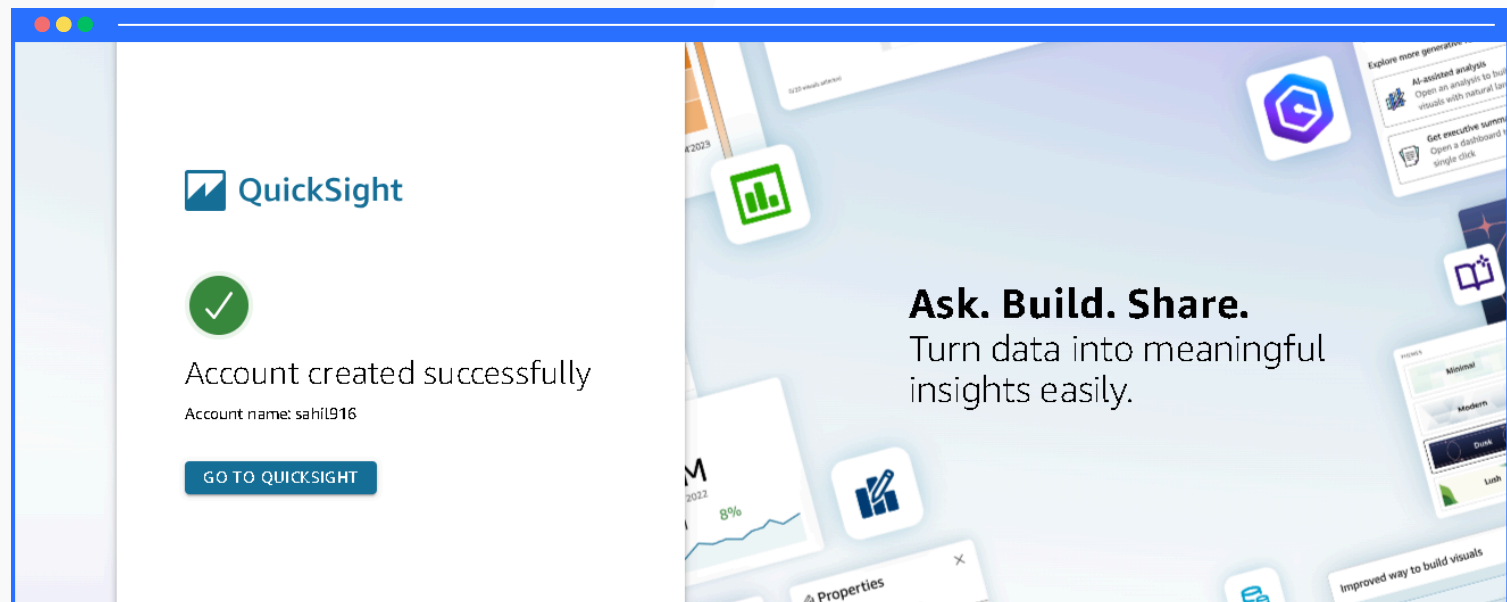
@Real-Sahil

STEP TWO

Create your Amazon QuickSight account

- The QuickSight comes with the free trial version. It took me 5 minutes to sign up and setup the account.
- I also had to enable QuickSight's access to S3 because of the ACL rules, it is mandatory to grant the S3 access to the QuickSight.

Voila! I created my QuickSight account successfully



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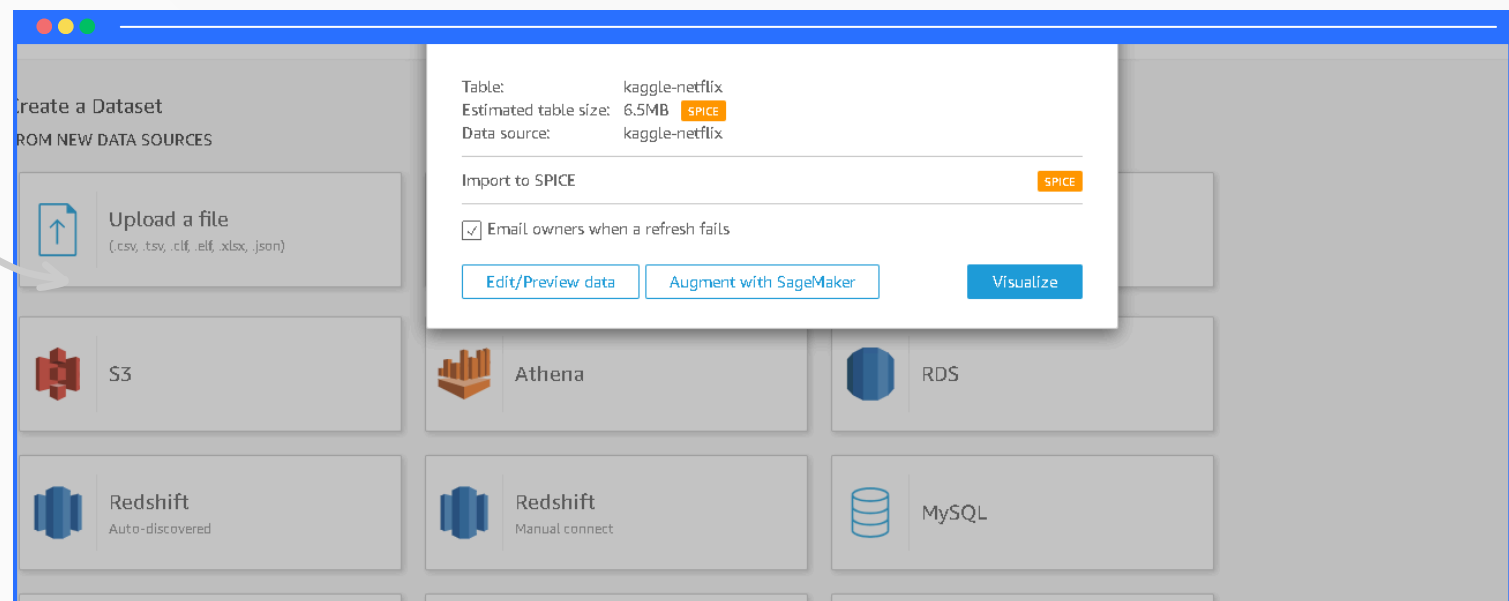
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STEP THREE

Connect your S3 bucket to Amazon QuickSight

- I connected the S3 bucket to QuickSight by entering the JSON URL
- The manifest.json file was important in this step because it makes calls to the datasets uploaded to the S3 in .csv format.

Entering the
manifest.json URL



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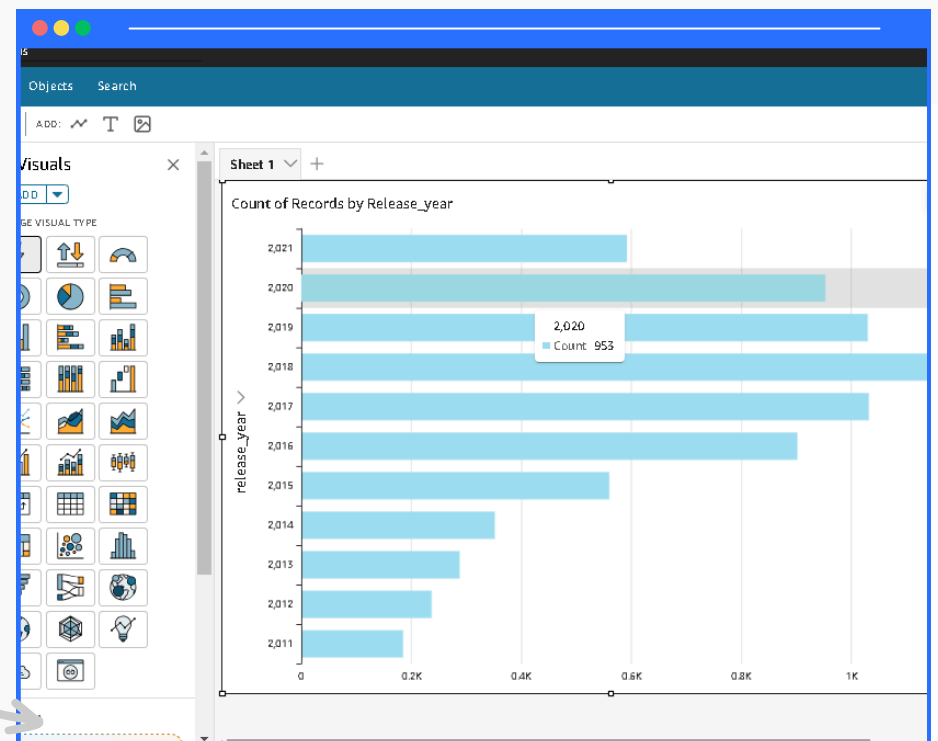
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STEP FOUR

Let's make visualisations!

- To create visualisation on QuickSight, you'll have to select the relevant data arrays and the visualisations type.
- The chart/graph shown here is a breakdown Netflix record release over the years.

One of my first
visualisations



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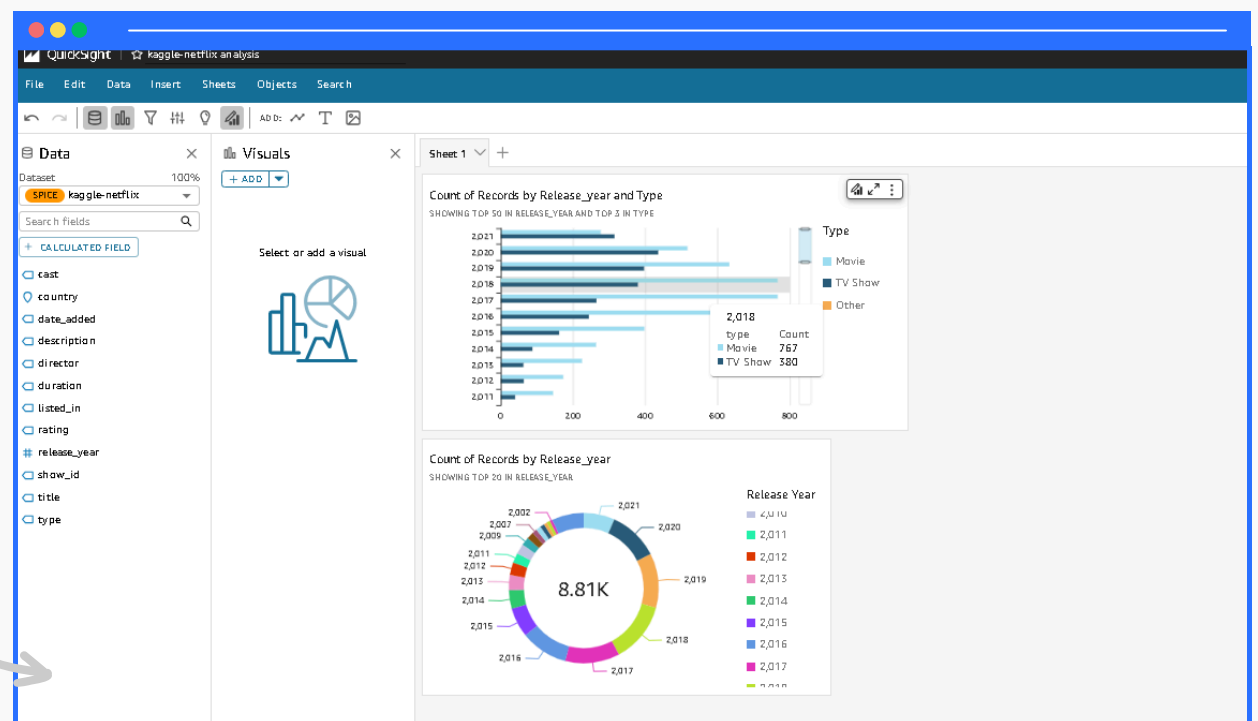
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STEP FIVE

Using filters

- Filters are useful for data analysis.
- Here I landed the filter to segregate the Netflix records based on the specific genres.

A visualisation set up
after filtering for...



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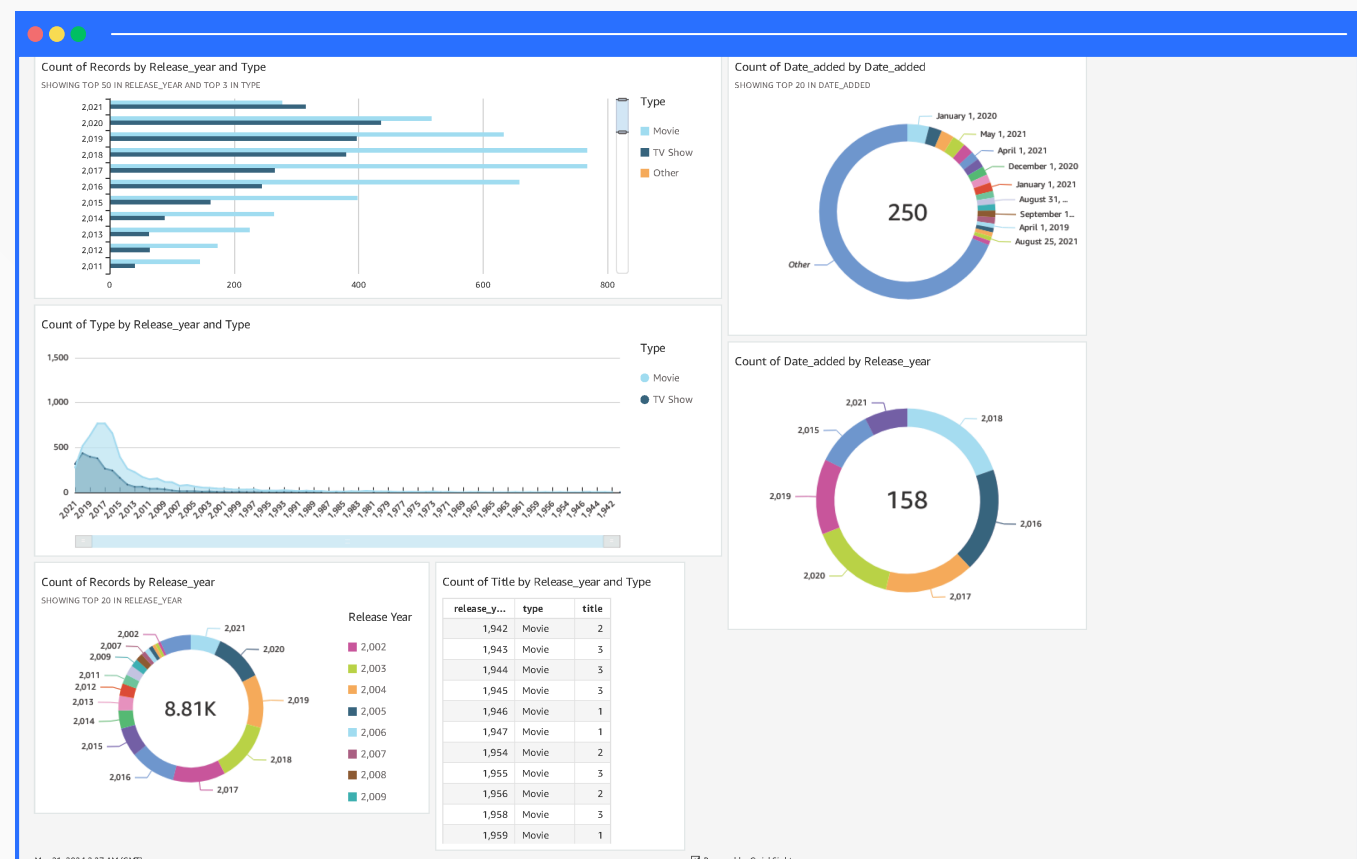
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STEP SIX

Set up your dashboard!

- The QuickSight makes it easier to export your final dashboard as PDF, which is only the matter of click of a button.

Voila! Here's the finished dashboard!



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My Key Learnings

01

Easy Connections: Links up with lots of different data sources, both AWS and others.

02

Visual Magic: Lets you build interactive dashboards and stunning visualizations.

03

Smart Insights: Uses built-in machine learning to provide advanced insights.

04

Grows with You: Scales effortlessly to handle your expanding data needs.

05

Budget-Friendly: Offers a pay-per-session model, so you only pay for what you use.



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