Visualize data with QuickSight

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Introducing Today's Project!

What is Amazon QuickSight?

Amazon QuickSight is a scalable, serverless business intelligence (BI) tool that enables data visualization, interactive dashboards, and advanced analytics. It's useful for gaining insights from large datasets quickly.

How I used Amazon QuickSight in this project

In today's project, I have used Amazon QuickSight to visualize the data of Netflix titles, based on type, release year etc.,.

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

I didn't expect the heavy emphasis on older Netflix releases from the 2000s and early 2010s in the data breakdown.

This project took me...

It wasn't a difficult project. But i learnt a lot from this, it took 75 minutes to complete the project.
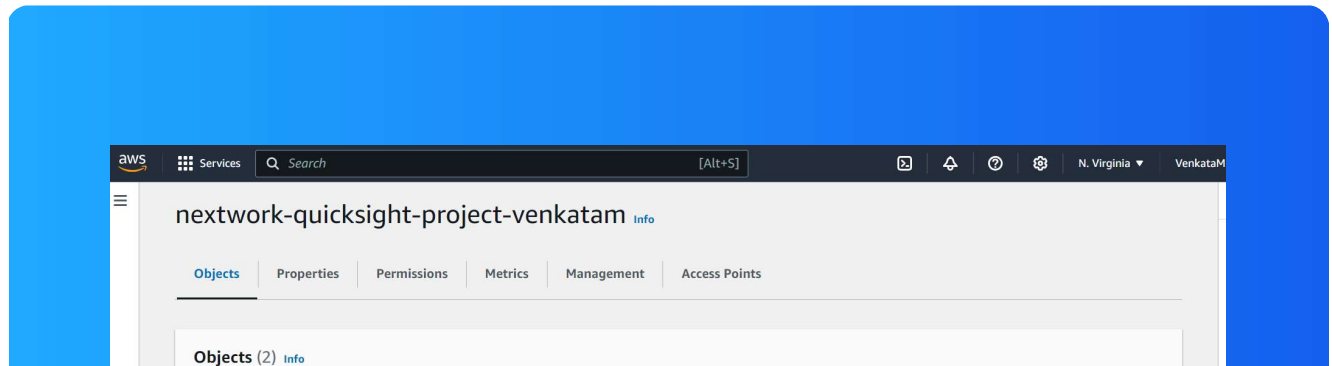
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Upload project files into S3

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 changing the existing URI to the URI which I copied from the S3 bucket created. It is important because the initial json file doesn't have any project name specified in it, while the later has been modified.
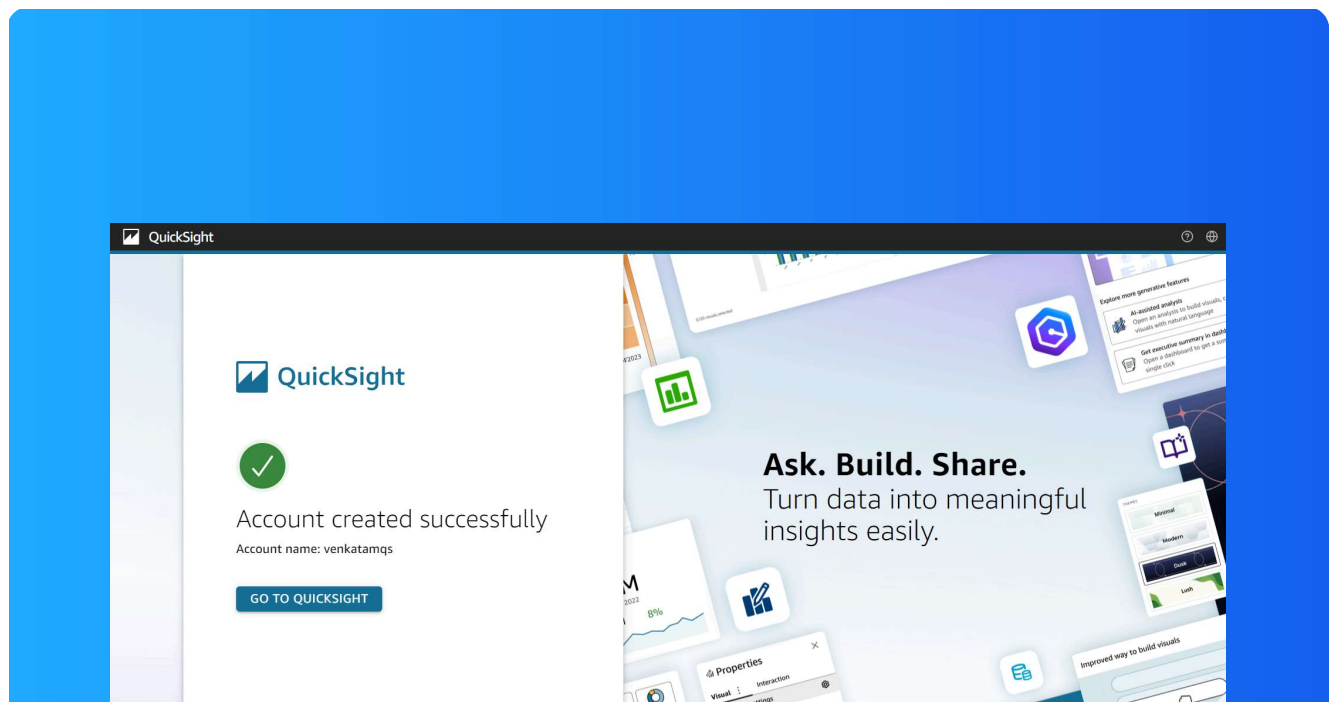
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Create QuickSight account

Create a QuickSight Account costs $500/month only if you go on with the Optional Add-on provided by amazon. If not for that provides a free trial.

Creating an account on Amazon Quicksight took me hardly 2 minutes.

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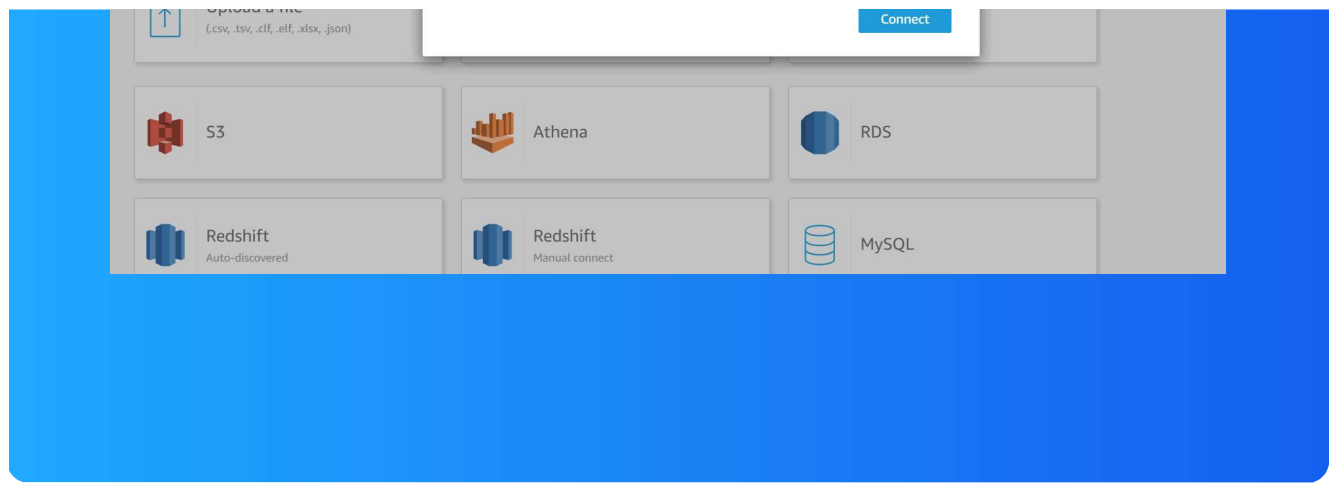NextWork Student   NextWork.org

Download the Dataset

I connected the S3 bucket to QuickSight by visiting Dataset tab on the left side and upon clicking 'New Dataset', I am now clear to link my S3 bucket.

The manifest.json file was important in this step because, it acts as a roadmap to QuickSight, by telling what the dataset looks like and helps it to understand the data and show in the form of charts or graphs.
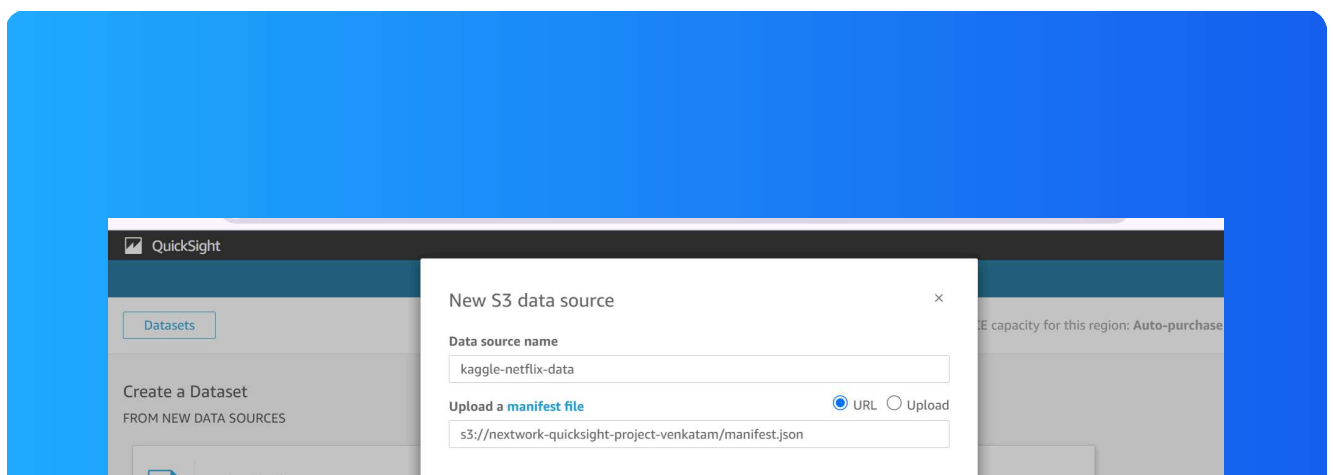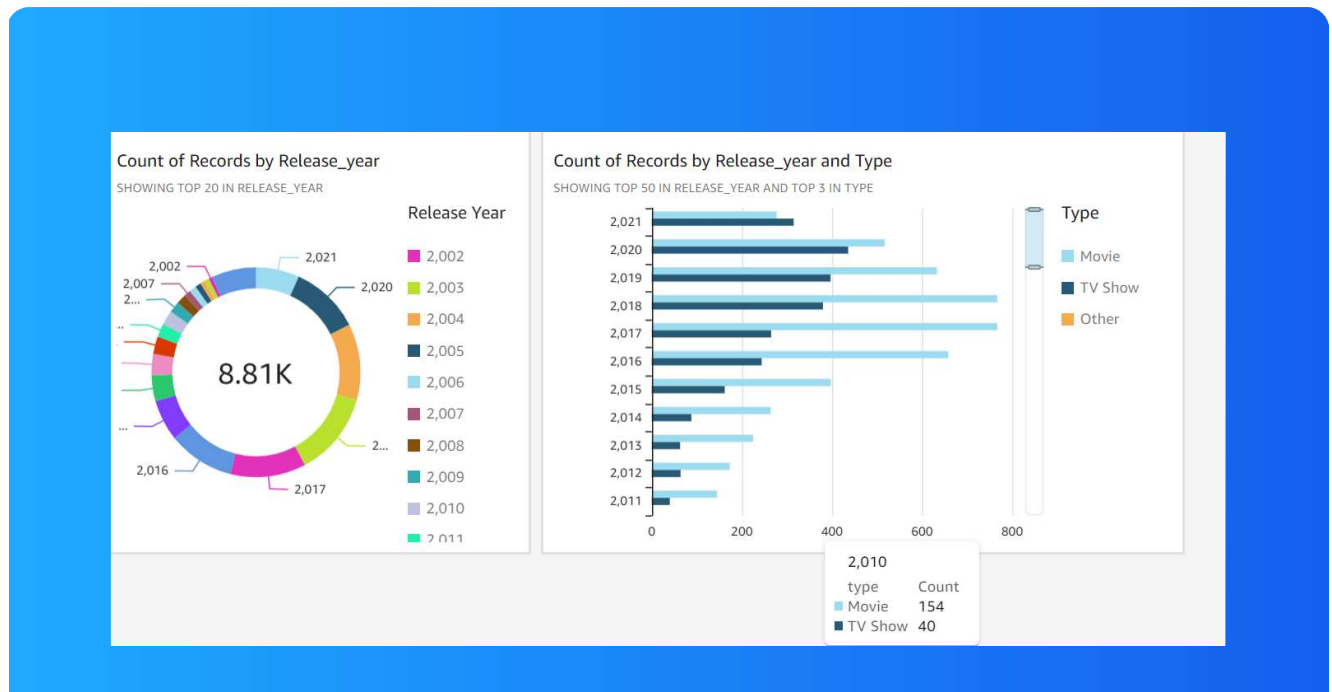
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My first visualization

To create visualizations on Quicksight, I have dropped or dragged the data available on the left hand side of the screen, to the graph on the right end of the screen.

The chart/ graph shown here is a breakdown of the release_year of the Netflix tv shows and movies, which are collected from the data provided.

I created two visualizations, one being the Donut shaped chart consisting of the release_year, which I dragged and dropped on the right handside of the screen and the other being the bar graph which has release_year and type dropped from database.
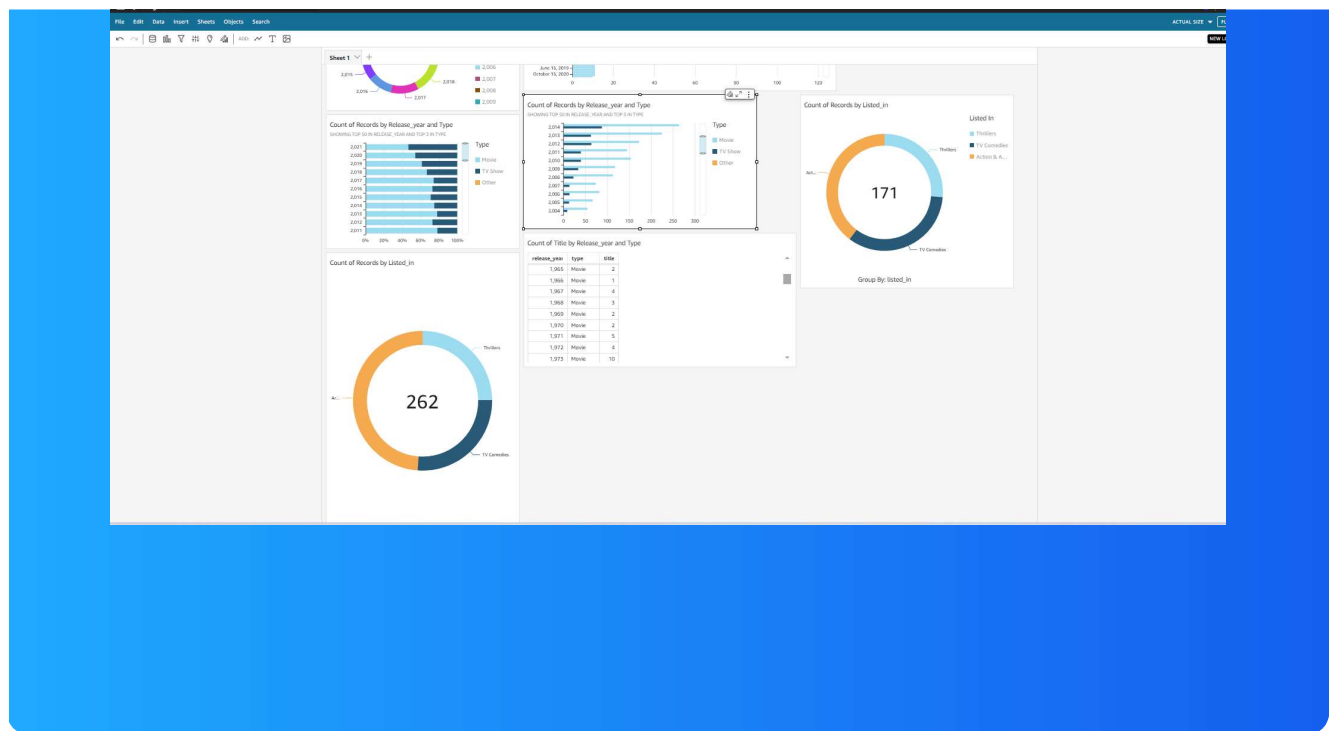
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Using filters

Filters are useful for including the necessary data or fields and excluding the rest.

The visualization displays various data insights from Netflix releases, showing the distribution of content types (Movies, TV Shows) by year, genre breakdowns, and the number of titles released in different categories.

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Setting up a dashboard

As a finishing touch, I edited the tiles of the charts by adding respective names for each of them and later published them.

Did you know you could export your dashboard as PDFs too? I did this by first publishing my dashboard, and then hovered over the right corner of the dashboard and clicked on EXPORT to download my beauuutifull dashboard!!!
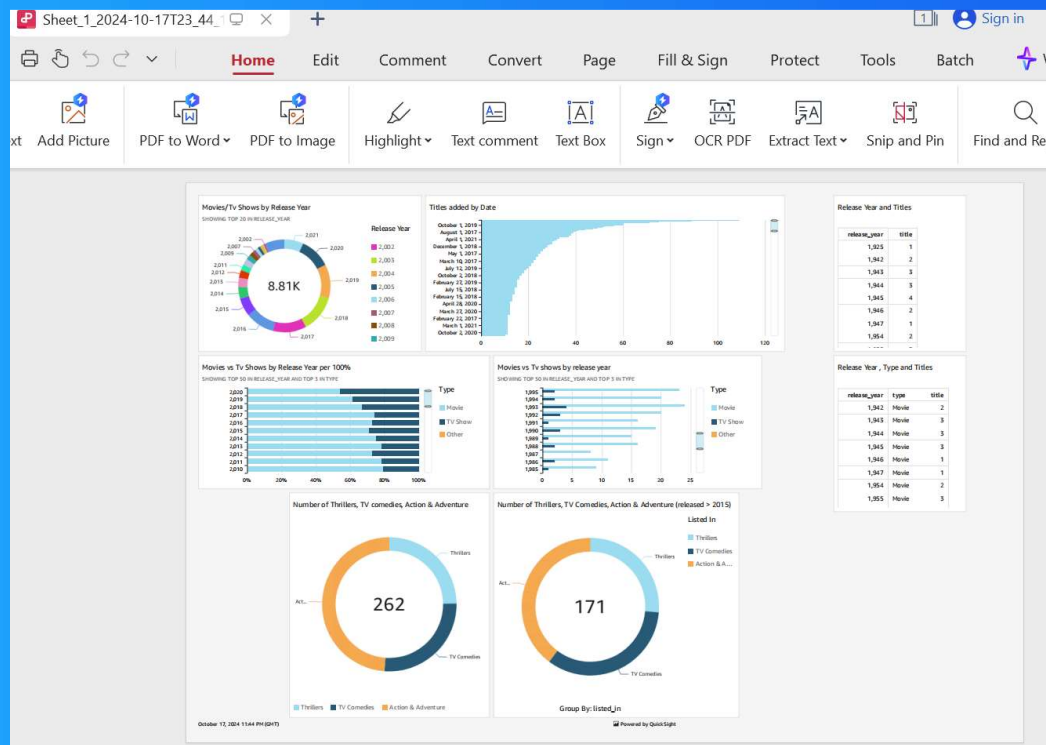
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