



# Visualize data with QuickSight



Pearl Isa





Pearl Isa  
NextWork Student

[NextWork.org](http://NextWork.org)

# Introducing Today's Project!

## What is Amazon QuickSight?

Amazon QuickSight is a versatile and powerful BI tool that leverages the scalability and flexibility of the cloud. Its integration with AWS services, coupled with advanced analytics and machine learning capabilities, makes it a valuable tool.

## How I used Amazon QuickSight in this project

I used it to create an interactive and shareable dashboard

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

How easy and fast it was to create my dashboard

## This project took me...

About an hour



Pearl Isa  
NextWork Student

[NextWork.org](http://NextWork.org)

# Upload project files into S3

S3 is used in this project to store my Netflix data and manifest. Json file

I replaced the URL in the manifest. Json file with my new S3 URL which is->  
s3://nextwork-quicksight-project-pearl/netflix\_titles.csv

The screenshot shows the Amazon S3 console interface. The top navigation bar includes 'Amazon S3', 'Buckets', and the selected bucket name 'nextwork-quicksight-project-pearl'. Below the navigation is a toolbar with 'Objects (2) Info', 'Actions', and a prominent orange 'Upload' button. The main content area displays a table of objects:

Name	Type	Last modified	Size	Storage class
<a href="#">manifest.json</a>	json	July 29, 2024, 15:07:58 (UTC+01:00)	304.0 B	Standard
<a href="#">netflix_titles.csv</a>	csv	July 29, 2024, 14:27:24 (UTC+01:00)	3.2 MB	Standard



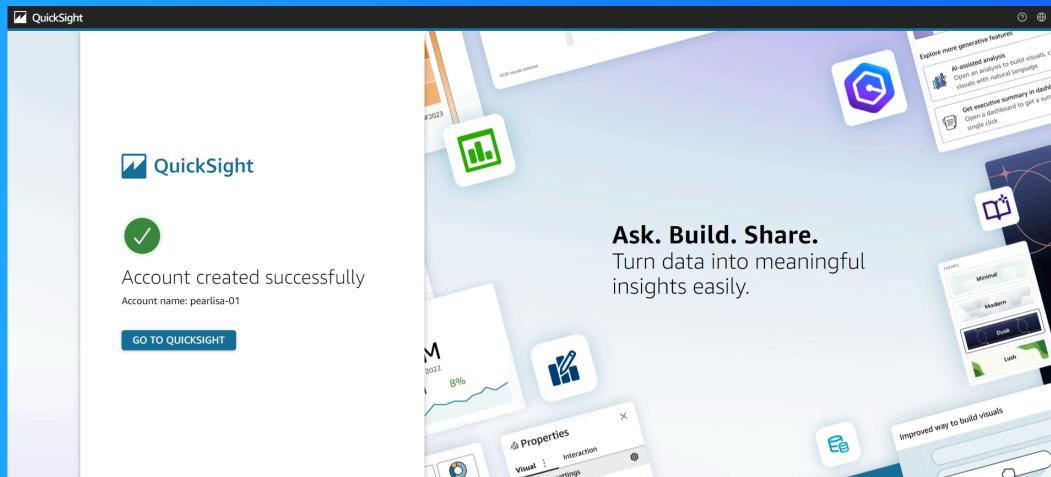
Pearl Isa  
NextWork Student

[NextWork.org](https://NextWork.org)

# Create QuickSight account

Creating a QuickSight account cost me 0 amount, all free.

Creating an account took me less than 5mins





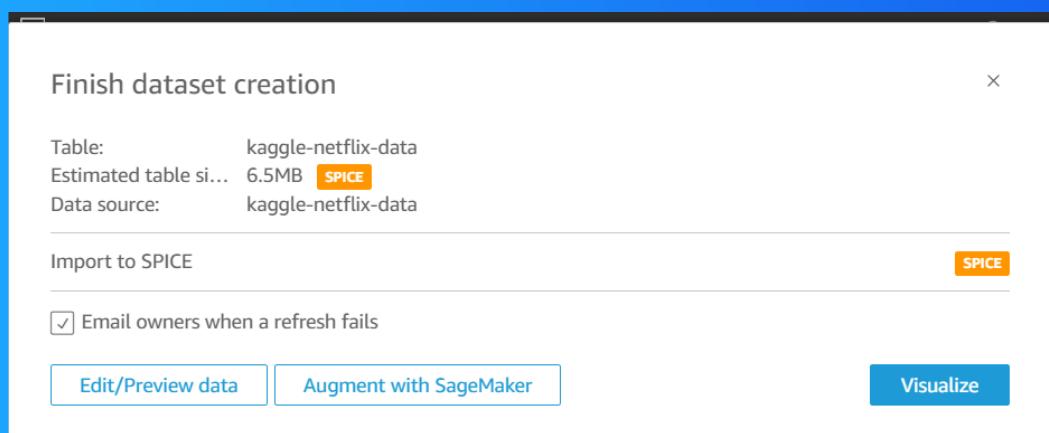
Pearl Isa  
NextWork Student

[NextWork.org](http://NextWork.org)

# Download the Dataset

I connected the S3 bucket to QuickSight by visiting my QuickSight menu, and navigating to and creating a new dataset using S3 data.

The manifest.json file was important in this step because my dataset is stored in my S3 bucket and access to that bucket is needed



Pearl Isa  
NextWork Student

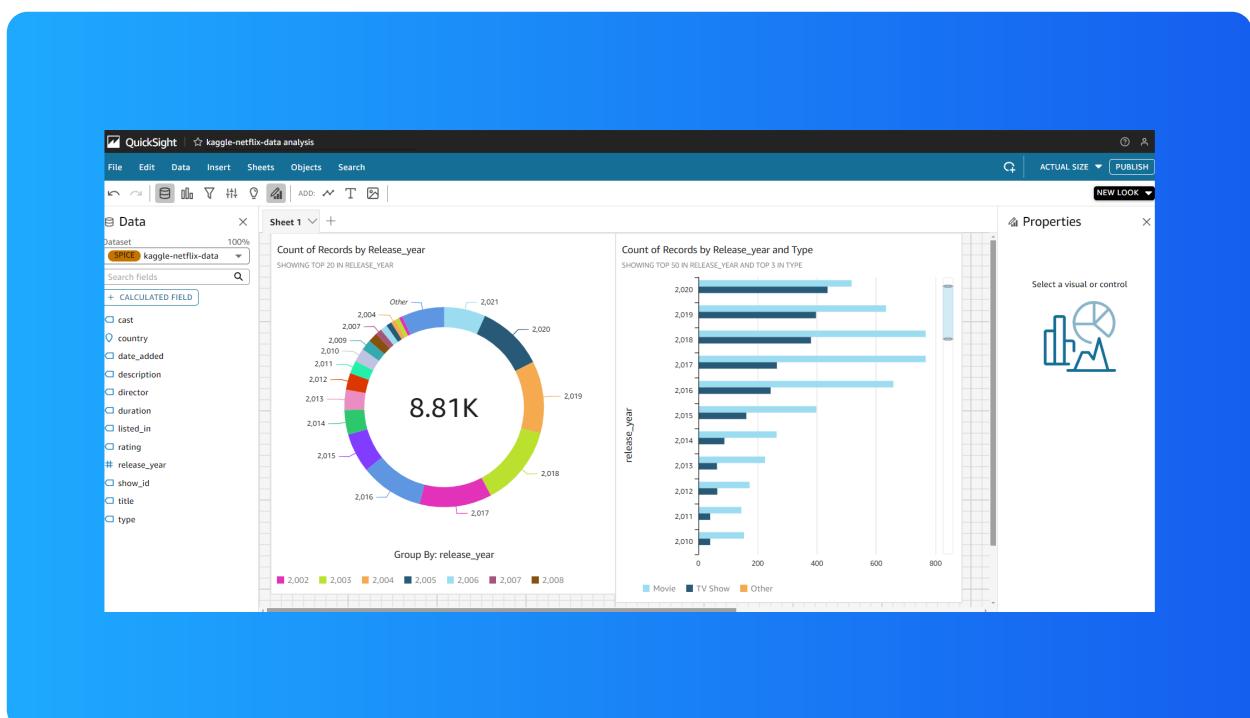
[NextWork.org](http://NextWork.org)

# My first visualization

To create visualizations on QuickSight, I had to drag the relevant fields into the QuickSight dashboard's Autograph fields

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

The graphs were created by me dragging the release\_year field into the Y-Axis heading and the type field as the grouping variable in the Y-Axis as well.





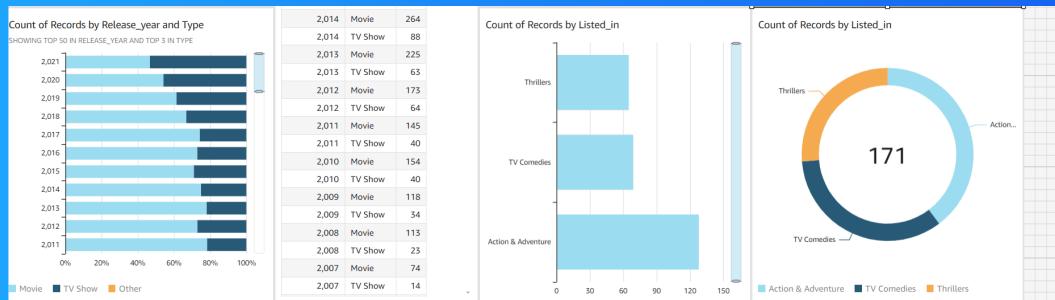
Pearl Isa  
NextWork Student

[NextWork.org](http://NextWork.org)

# Using filters

Filters are useful for sorting and drilling your data points

This visualization is a breakdown of Count of Records by Release\_year and Type showing top 50 in release\_year and top 3 in type, a table showing Count of Title by Release\_year and Type, Count of Records by listed\_in





Pearl Isa  
NextWork Student

[NextWork.org](http://NextWork.org)

# Setting up a dashboard

As a finishing touch, I ensured all my graphs/charts were equally aligned in size for easy visualization.

Did you know you could export your dashboard as PDFs too? I did this by publishing my dashboard, clicking on the export tab to generate the PDF version and then downloading and saving the pdf file.





NextWork.org

**Everyone  
should be in a  
job they love.**

Check out nextwork.org for  
more projects

