

# Visualize data with QuickSight

MA

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# Introducing Today's Project!

## What is Amazon QuickSight?

Amazon QuickSight is a scalable BI service that enables users to create visualizations and analyze data through interactive dashboards, helping businesses gain insights and make data-driven decisions without complex infrastructure.

## How I used Amazon QuickSight in this project

I used Amazon QuickSight to connect my S3 bucket, create visualizations of Netflix titles, apply filters, and export the dashboard as a PDF.

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

One thing I didn't expect in this project was how easy it was to set up the S3 connection and create visualizations in QuickSight with minimal configuration. The process was much more straightforward than I anticipated!

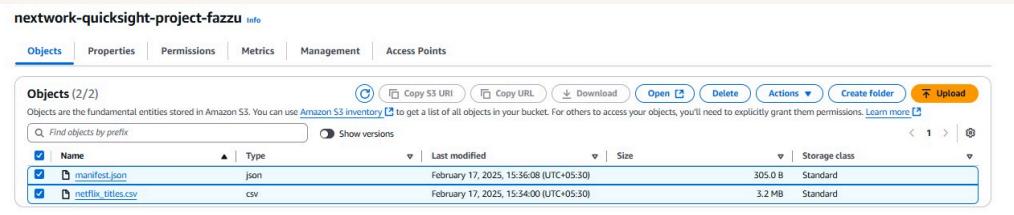
## This project took me...

This project took me one hour to complete, including everything from setting up the S3 bucket to exporting the dashboard as a PDF.

# Upload project files into S3

S3 is used in this project to store two files, which are: 1. netflix\_titles.csv – Contains Netflix title data. 2. manifest.json – Stores metadata and configuration.

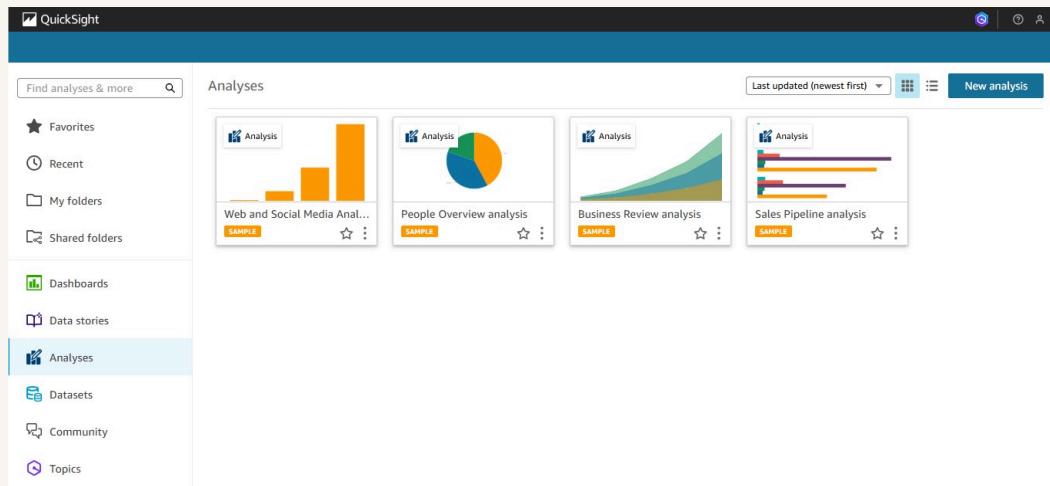
I edited the `manifest.json` file by updating the dataset URL with the S3 URL of my `netflix\_titles.csv` file. It's important to edit this file because it ensures the dataset is correctly referenced for processing and integration.



# Create QuickSight account

Creating a QuickSight account costs nothing initially, as Amazon QuickSight offers a free trial. However, after the trial period, charges may apply based on usage and selected pricing plans.

Creating an account took me 2 minutes.



# Download the Dataset

I connected the S3 bucket to QuickSight by visiting the "Manage Data Sources" page and selecting Amazon S3 to create a new data source.

The `manifest.json` file was important in this step because it defines the S3 dataset location and structure, allowing QuickSight to correctly access and process the data.

New S3 data source X

**Data source name**  
kaggle-netflix-data

**Upload a manifest file**  URL  Upload

s3://nextwork-quicksight-project-fazzu/manifest.json

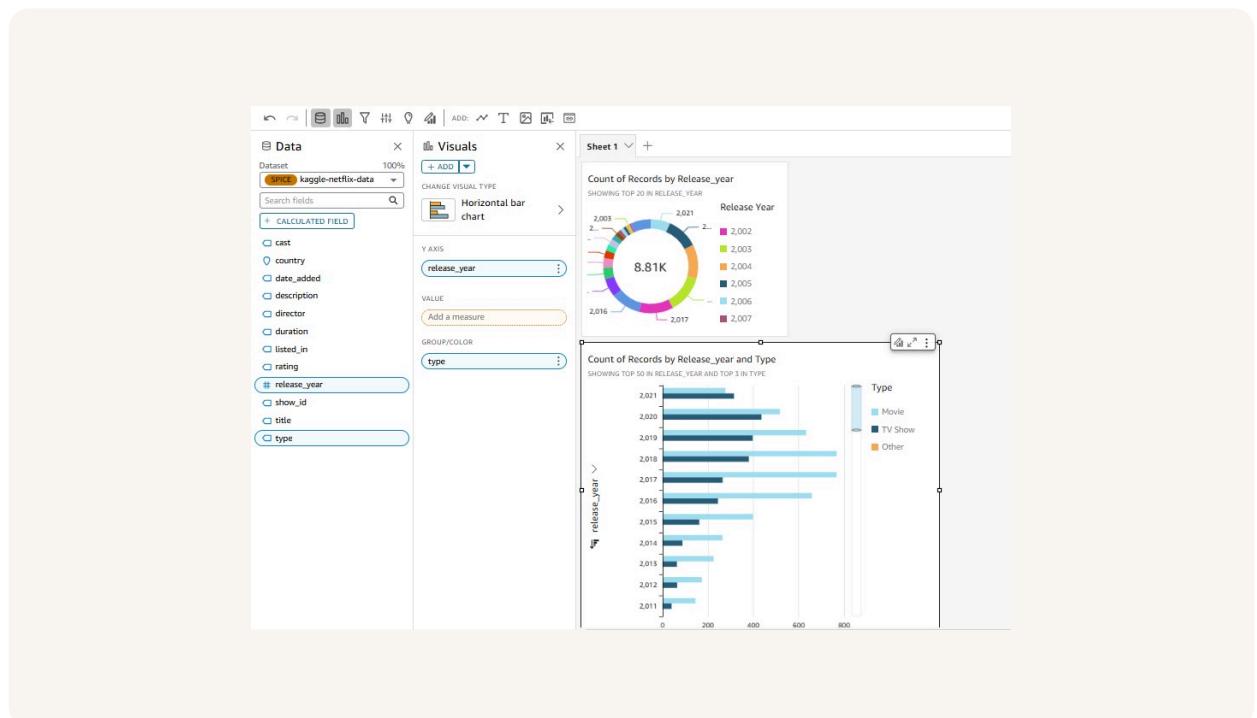
**Connect**

# My first visualization

To create visualizations on QuickSight, I imported my dataset, selected a visual type, and added fields to generate insights.

The chart/graph shown here is a breakdown of Netflix titles, displaying data such as genres, release years, and ratings to provide insights into the distribution of content on the platform.

I created this graph by dragging and dropping the Genre, Release Year, and Rating fields into the appropriate axes and value sections to display a distribution of Netflix titles based on these categories.



# Using filters

Filters are useful for narrowing down data to focus on specific subsets, making it easier to analyze and gain insights from relevant information.

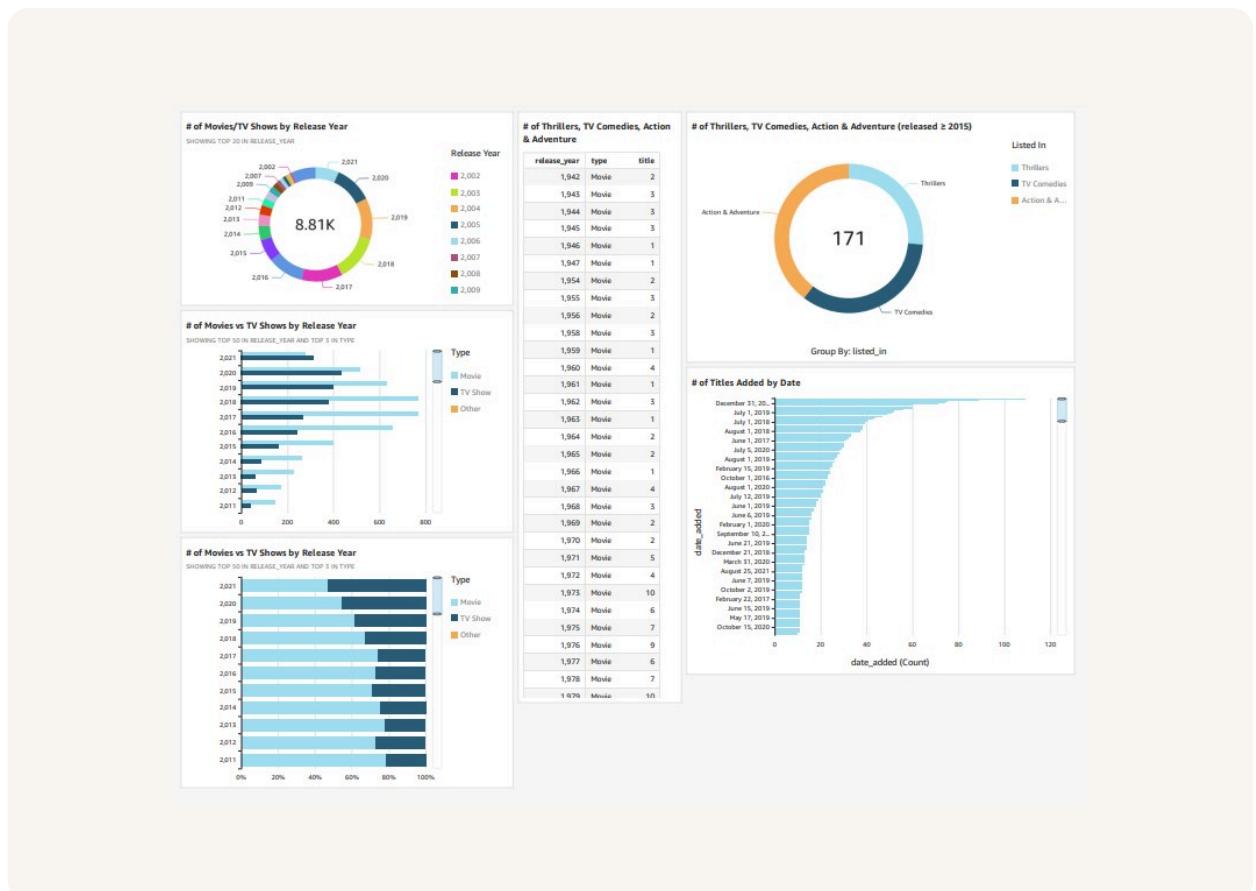
This visualization is a breakdown of Netflix titles by genre, including 'Action & Adventure', 'TV Comedies', and 'Thrillers'. Here I added a filter by the listed\_in field to include only the TV shows and movies that fall into these categories.



# Setting up a dashboard

As a finishing touch, I reviewed the visualizations for accuracy, ensured all filters were applied correctly, and adjusted the layout for clarity before publishing my dashboard.

Did you know you could export your dashboard as PDFs too? I did this by selecting the Export option in QuickSight and choosing PDF as the format to download the dashboard.





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