



Visualize data with QuickSight

K

Kehinde Abiuwa



Introducing Today's Project!

In this project, I will demonstrate how to use amazon quicksight to visualize data and trends

Tools and concepts

Services I used were amazon S3 and amazon Quicksights... Key concepts I learnt include Data Visualization, Data Preparation and Analysis, Dashboard Creation & Categorical and Temporal Analysis:

Project reflection

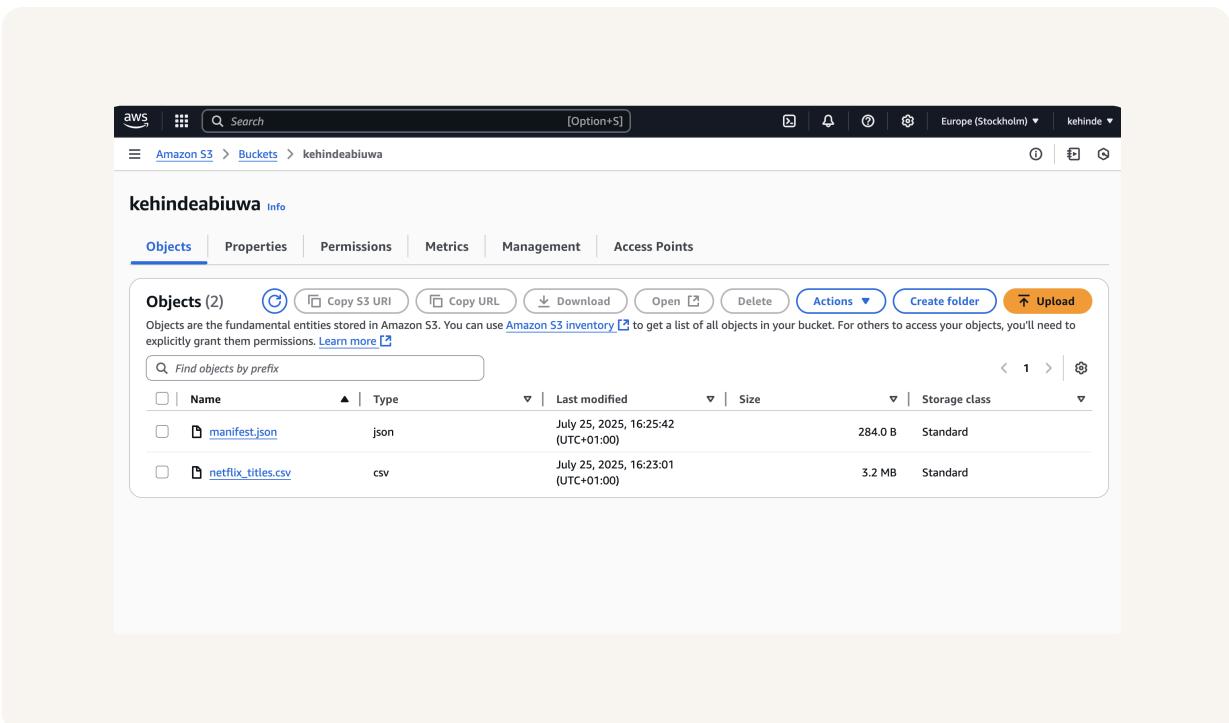
This project took me approximately 15minutes

After this project, I plan to work on Cloud Security with AWS IAM

Upload project files into S3

S3 is used in this project to store two files, which are...manifest.json & netflix_titles.csv

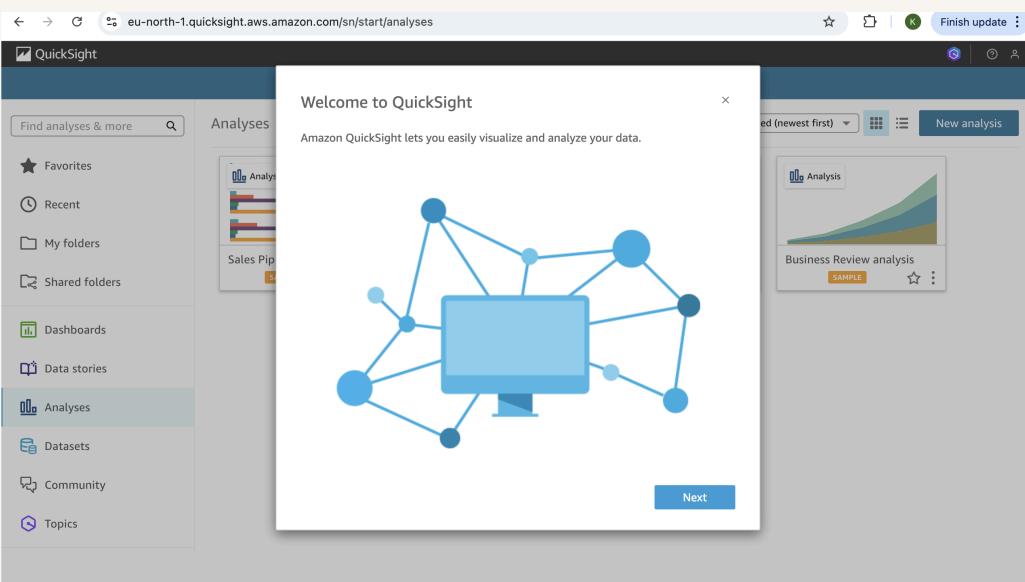
I edited the manifest.json file by changing the url inside to the url of my s3 datasets... It's important to edit this file because quicksight wont be able to locate the exact S3 bucket that has my dataset if i dont use the correct url for my S3 dataset



Create QuickSight account

Creating a QuickSight account doesn't cost money as there is a free trial

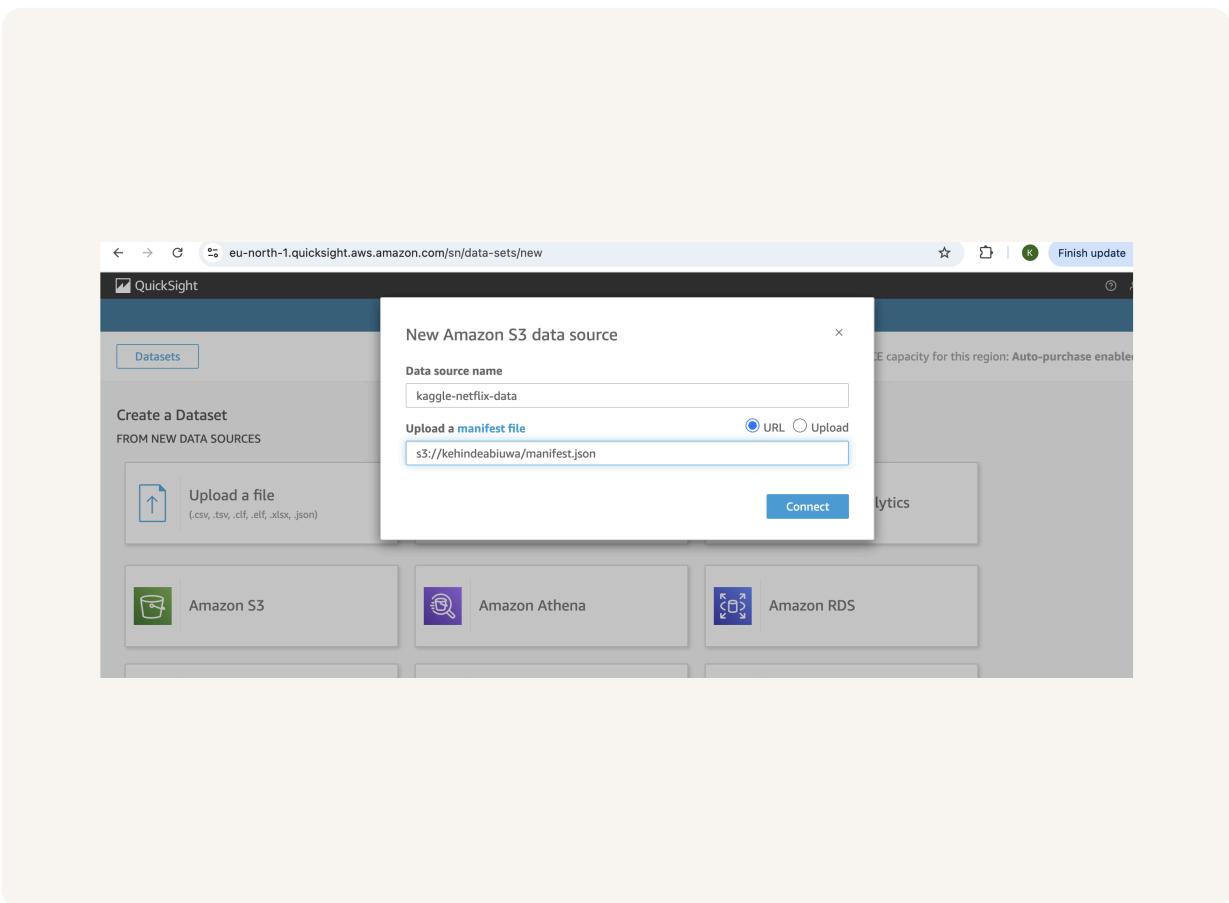
Creating an account took me...5 mins



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 is going to connect quicksights to my s3 bucket

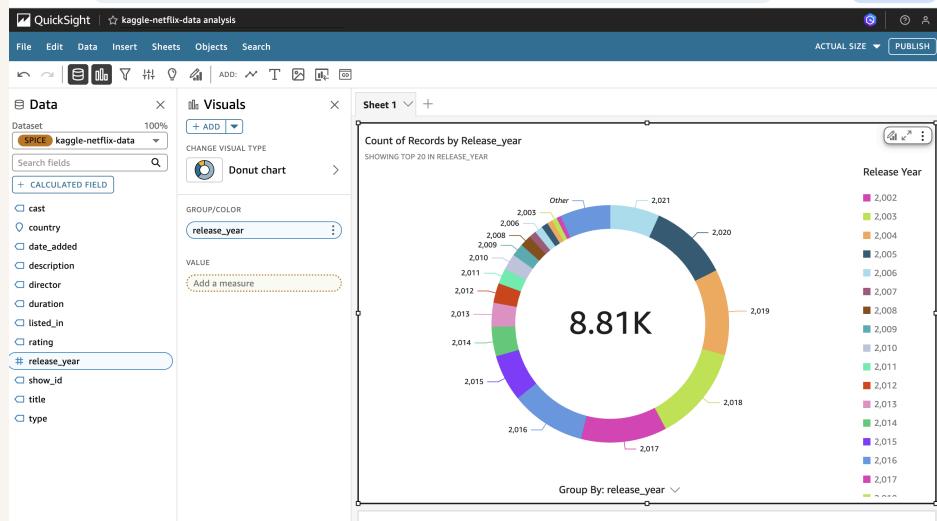


My first visualization

To create visualizations on QuickSight, I first need to link my s3 bucket to quicksight and use the dataset field in quicksight to explore different chart types and customization options and then select from the different options given me, it will generate a visualization for my data as shown in my example

The chart/graph shown here is a breakdown of the number netflix featured TV shows and movies that were released per year

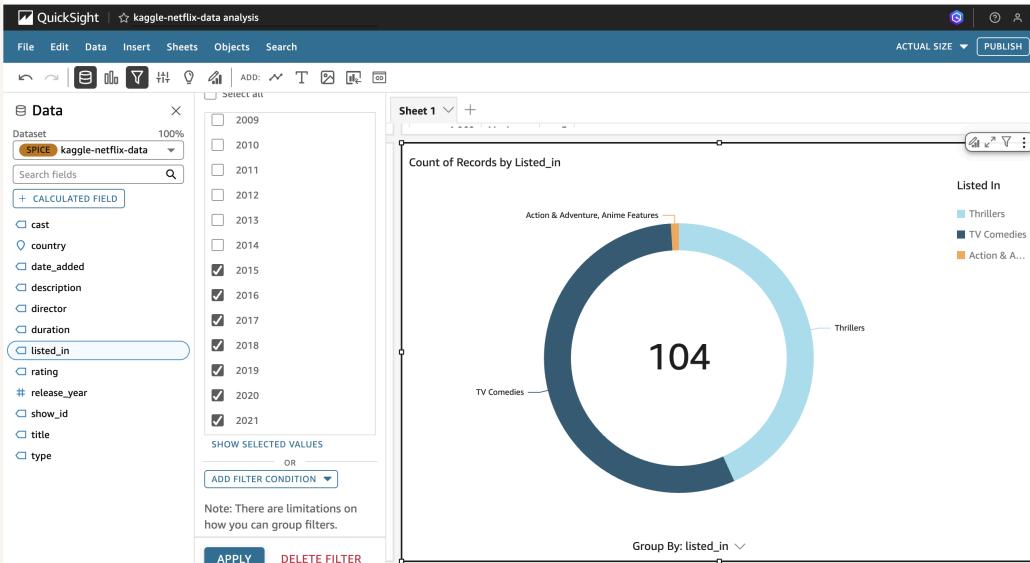
I created this graph by dragging release_year label into the Y Axis heading and the type label into the Group/Color heading. in the visuals section of the dataset in quicksights



Using filters

Filters are useful for getting specific information out of the dataset

This visualization is a breakdown of the total number of movies in the categories Thrillers, Action & Adventure and TV Comedies, that were released from the year 2015 till date. Here I added a filter by using the filters options and added the listed_in category and choose the thrillers , Action & Adventure and TV Comedies categories and then added another filter for the release year and selected only the years from 2015 - 2021



Setting up a dashboard

As a finishing touch, I edited the titles to better explain the charts to readers

Did you know you could export your dashboard as PDFs too? I did this by publishing my dashboard and then using the export function to create and download my dashboard as a pdf document





nextwork.org

The place to learn & showcase your skills

Check out nextwork.org for more projects

