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# Visualize data with QuickSight



Nikhil Bhan



Nikhil Bhan  
NextWork Student

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# Introducing Today's Project!

## What is Amazon QuickSight?

Amazon QuickSight is a Business Intelligence tool that makes it convenient and easy to analyse data and create visualisations

## How I used Amazon QuickSight in this project

I created my QuickSight account and selected my S3 Bucket as the data source for my dashboard; from the dashboard I generated different graphs and used a combination of fields, filters and sorting methods to display the data I wanted from my dataset

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

I wasn't expecting how much fun it would be to play around with the QuickSight environment, controls and seeing how easy it was to generate all kinds of visuals!

## This project took me...

This project took 1 hour and 45 minutes, which included the time I used to write up my documentation



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## Upload project files into S3

S3 is used in this project to store two files, which are netflix\_titles.csv and manifest.json.

It's important to edit the manifest.json file because the URI value will need to be updated to the dataset file. This can be done by using the 'Copy S3 URI' in the bucket when selecting the .csv file and pasting it into the manifest file.



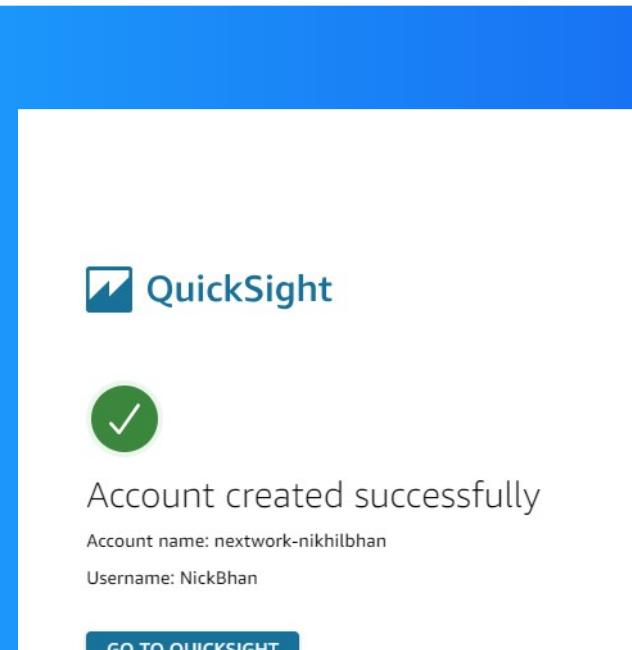
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NextWork Student

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# Create QuickSight account

Creating a QuickSight account doesn't cost anything, as long as you uncheck 'Add Paginated Reports' when setting up your account, otherwise you will get charged!

Creating a Quicksight account took me less than 10 minutes





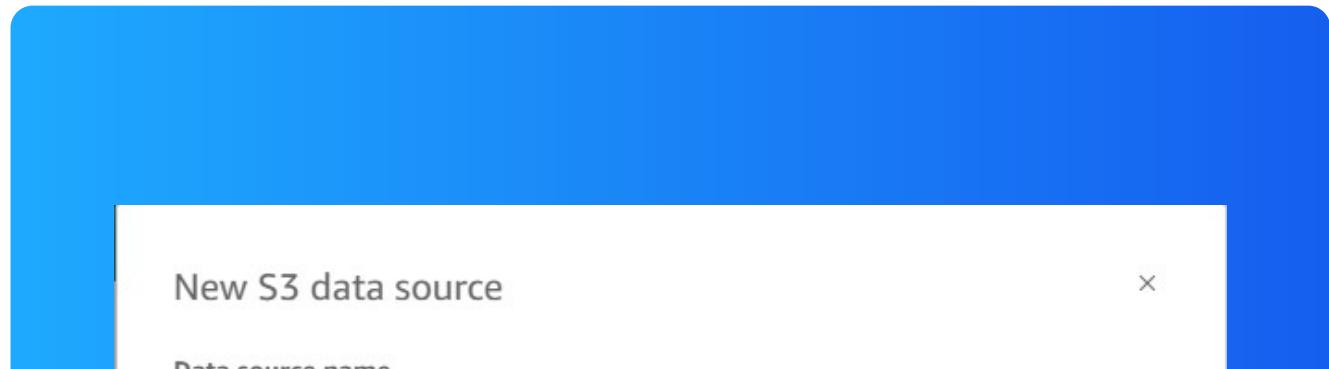
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NextWork Student

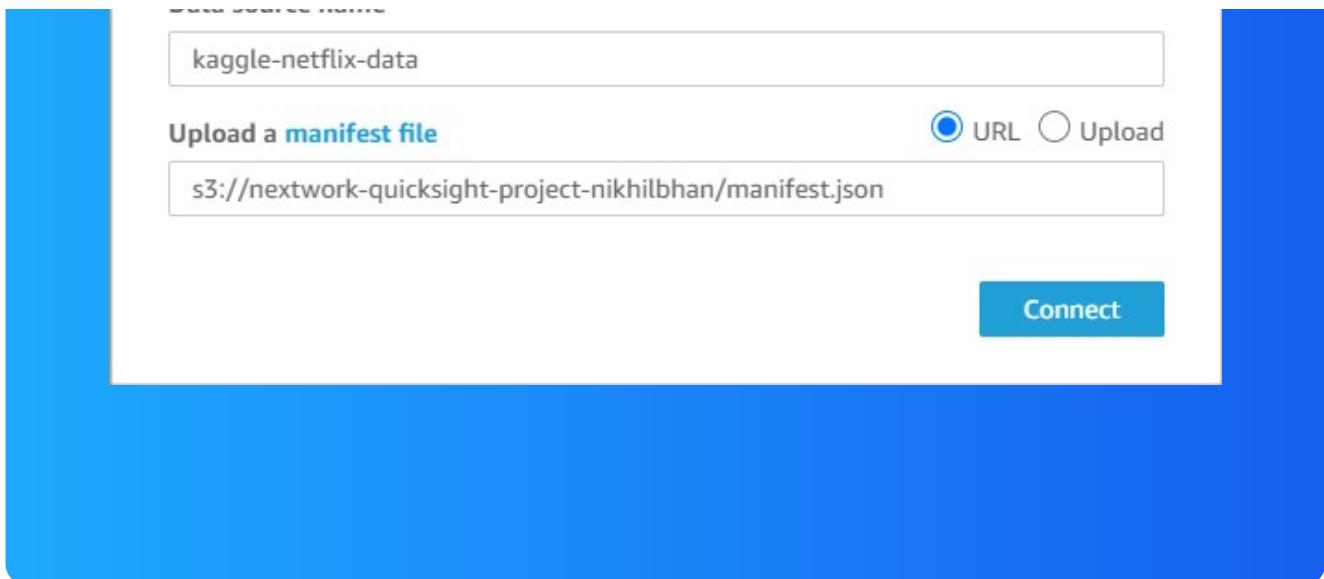
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# Download the Dataset

I connected the S3 bucket to QuickSight by visiting S3 and selecting Datasets. From there I clicked on 'Create Dataset' and provided the S3 URI of the manifest.json file.

The manifest.json file was important in this step because it will show Amazon QuickSight where the data is located, how to understand and read the data. Without this file QuickSight won't understand the data and won't show the data correctly.





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NextWork Student

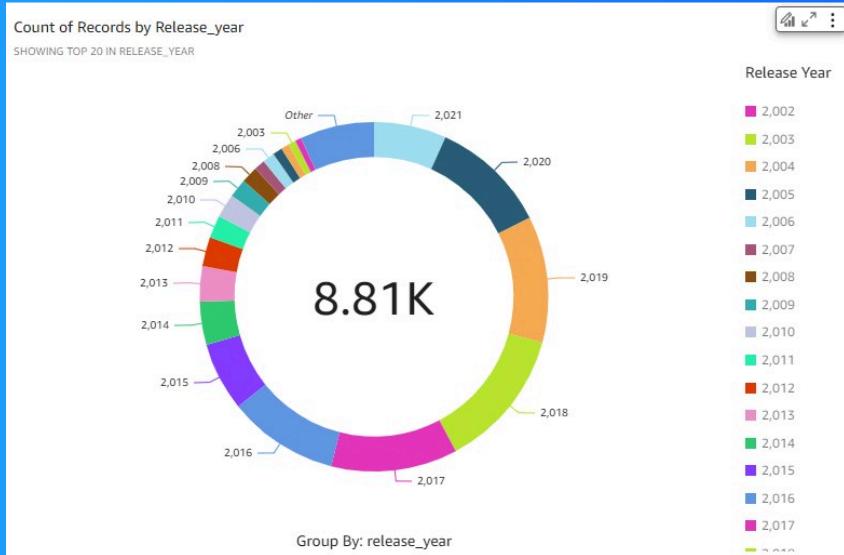
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# My first visualization

To create visualizations on QuickSight, I would select a visualization and decide on which data columns I'd want to put on the labels column

The donut chart shown here is a breakdown of the years when movies and TV shows were released. The chart shows the quantity of movies and TV shows that were released in the labeled years and there is also a legend to show what years are in the chart

I created this chart by dragging and dropping Release Year into the Group / Color area of the donut chart



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**Nikhil Bhan**  
NextWork Student

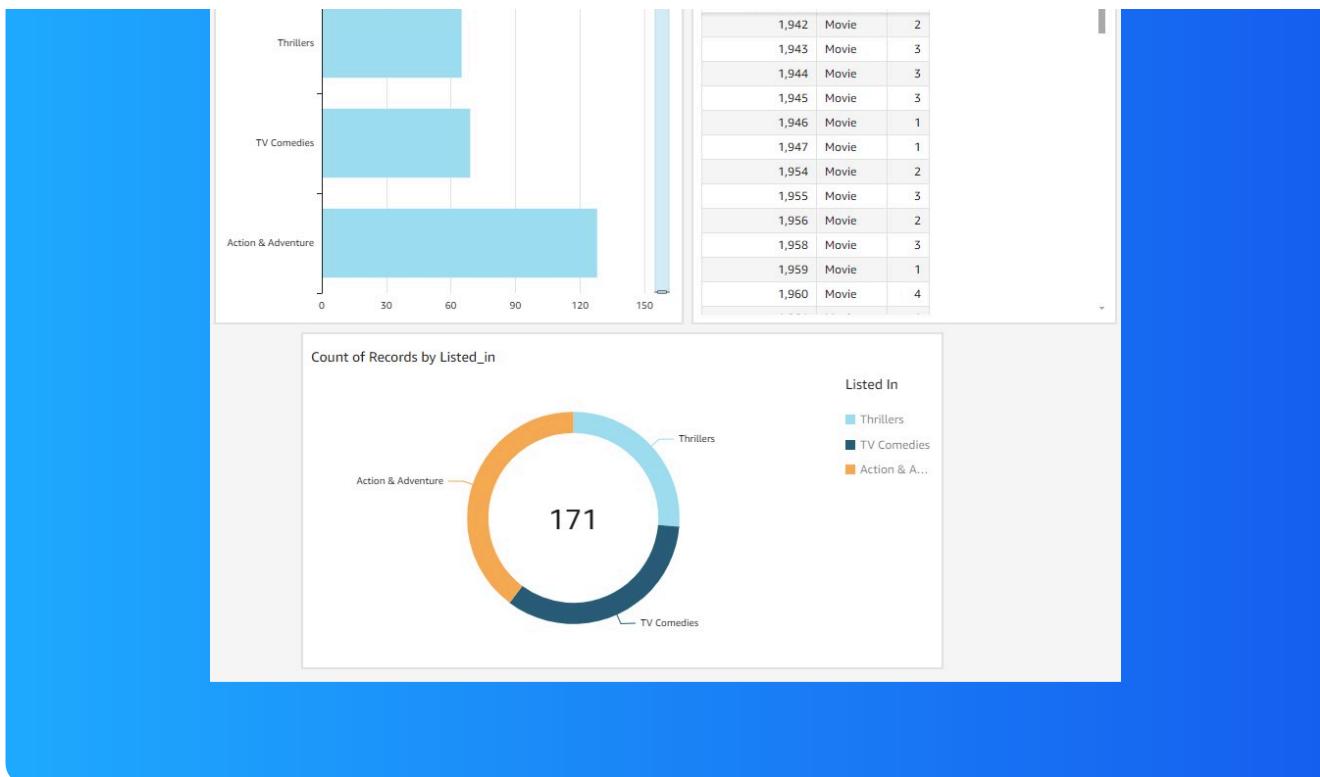
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# Using filters

Filters are useful for removing data that's not needed and producing a subset of data from an original dataset

This visualization is a breakdown of TV shows and movies. Two filters in the donut graph show 3 genres and provide release dates since 2015. The stacked graph uses a filter for those genres and the table on the right shows the year and # of titles





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# Setting up a dashboard

As a finishing touch, I resized my graphs to make sure they were readable and also gave them proper names so they were easy to understand

Did you know you could export your dashboard as PDFs too? I did this by clicking on Publish on the top right and giving my dashboard a name before clicking Publish Dashboard; the next step is to click Export on the top right and select Generate PDF



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