**Visualizing Netflix data with AWS QuickSight**

Amazon QuickSight helps analyse data effectively and create visualisations easily. In this project I used Amazon QuickSight to analyse a huge dataset of Netflix shows and movies to create a dashboard that extracts valuable insights.

A screenshot of a computer

Description automatically generated

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

A screenshot of a computer program

Description automatically generated

I edited the manifest.json file by updating the S3 URI of my dataset. Itʼs important to edit this file because keeping an outdated S3 URI means that manifest.json would be directing to the wrong address.

A screenshot of a computer

Description automatically generated

It is pretty quick and free to create a QuickSight account (the free trial lasts for 30 days).

A screenshot of a computer

Description automatically generated

I connected the S3 bucket to QuickSight by visiting Datasets tab and specifying source and manifest file.

The manifest.json file was important in this step because it tells QuickSight what the dataset looks like, so QuickSight knows how to understand the data and show it in charts or graphs.

A graph of numbers and a number of words

Description automatically generated with medium confidence

To create visualizations on QuickSight, it is necessary to drag relevant fields into the QuickSight dashboard's AutoGraph space.

The graph shown here is a breakdown of Movies vs TV Shows for every release year. I created this graph by dragging and dropping the release year on the y-axis, and making the type (i.e movie or tv show) the grouping variable.

A pie chart with numbers and text

Description automatically generated

Filters are useful for specifying the exact subset of data that you are wanting to analyze effectively excluding any irrelevant data.

This visualization is a breakdown of movies and tv shows of the three genres I specified that were released from 2015 onwards. Here I added a filter by excluding movies and tv shows released before 2015.

A screenshot of a data report

Description automatically generated

As a finishing touch, I edited the titles of my graphs so that the purpose of each chart is clear to the reader.

I exported my dashboard as a PDF by publishing my dashboard using the export function.