**Analyzing Netflix Data with Amazon QuickSight**

**Overview**

This project involves analyzing Netflix data using Amazon QuickSight. The dataset is provided in an Excel file and stored in an Amazon S3 bucket. The project includes setting up the S3 bucket, creating a manifest JSON file, and using Amazon QuickSight to create visualizations and apply filters for data analysis.

**Project Components**

1. **Dataset**: An Excel file containing Netflix data.
2. **S3 Bucket**: A storage location for the dataset and manifest JSON file.
3. **Manifest JSON File**: Defines the dataset location for Amazon QuickSight.
4. **Amazon QuickSight Dashboard**: A visualization dashboard built using the dataset.
5. **Filters and Visualization**: Applying filters and creating charts to analyze content trends.

**Steps to Set Up the Analysis**

**1. Upload Data to Amazon S3**

* Create an S3 bucket.
* Upload the Netflix dataset Excel file.
* Upload the manifest JSON file specifying the dataset location.

**2. Create a Manifest JSON File**

The manifest file helps QuickSight locate the dataset in S3. An example manifest JSON file:

{

"fileLocations": [

{

"URIs": [

"s3://your-bucket-name/netflix\_data.xlsx"

]

}

],

"globalUploadSettings": {

"format": "Excel",

"delimiter": ",",

"textqualifier": "\""

}

}

**3. Connect Amazon QuickSight to the S3 Dataset**

* Navigate to Amazon QuickSight.
* Choose "Manage Data" and select "New Dataset."
* Select "S3" and provide the manifest JSON file location.
* Confirm and validate the dataset.

**4. Create Visualizations in Amazon QuickSight**

* Use the imported dataset to build a dashboard.
* Apply filters to analyze specific aspects of the Netflix dataset.
* Create charts and graphs to visualize trends.

**Features of the Dashboard**

* **Content Analysis**: Breakdown of genres, ratings, and content types.
* **Release Year Trends**: Visualization of content production over the years.
* **Top Categories**: Most popular categories on Netflix.
* **Filtering Options**: Interactive filters to refine analysis based on user preferences.

**Conclusion**

This project enables data-driven insights into Netflix content using Amazon QuickSight. By leveraging S3 storage, manifest files, and visualization tools, users can efficiently explore trends and patterns in the dataset.

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