Task 1: YouTube Streamer Analysis Description:

Dataset: Top 1000 Youtubers statistics

This dataset contains valuable information about the top YouTube streamers, including their ranking, categories, subscribers, country, visits, likes, comments, and more. Your task is to perform a comprehensive analysis of the dataset to extract insights about the top YouTube content creators.

1. Data Exploration:

- Start by exploring the dataset to understand its structure and identify key variables.
- Check for missing data and outliers.

2. Trend Analysis:

- Identify trends among the top YouTube streamers. Which categories are the most popular?
- Is there a correlation between the number of subscribers and the number of likes or comments?

3. Audience Study:

- Analyse the distribution of streamers ' audiences by country. Are there regional preferences for specific content categories?

4. Performance Metrics:

- Calculate and visualize the average number of subscribers, visits, likes, and comments.
- Are there patterns or anomalies in these metrics?

5. Content Categories:

- Explore the distribution of content categories. Which categories have the highest number of streamers?
- Are there specific categories with exceptional performance metrics?

6. Brands and Collaborations:

- Analyse whether streamers with high performance metrics receive more brand collaborations and marketing campaigns.

7. Benchmarking:

- Identify streamers with above-average performance in terms of subscribers, visits, likes, and comments.
- Who are the top-performing content creators?

8. Content Recommendations:

- Propose a system for enhancing content recommendations to YouTube users based on streamers ' categories and performance metrics.