User Requirements Doc:

Top SA Youtubers 2024 Dashboard

# Objective

To discover the top performing SA Youtubers to form marketing collaborations with throughout the year 2024.

# Problems identified

* Head of marketing is having problems in getting the top South Africa YouTube channels to run a marketing campaign.
* Has performed online research but constantly bumps into overly complicated and conflicting insights.

# Target audience

* Primary – Head of Marketing
* Secondary - Marketing team members

# Use cases

## 1. Identify the top Youtubers to run campaigns with

### User story

As the Head of Marketing, I want to identify the top YouTubers in the SA based on subscriber count, videos uploaded and views accumulated, so that I can decide on which channels would be best to run marketing campaigns with to generate a good ROI.

### Acceptance criteria

The dashboard should

* List the top YouTube channels by subscribers, videos and views
* Display key metrics (channel name, subscribers, videos, views, engagement ratios)
* Be user-friendly and easy to filter/sort
* Use the most recent data possible

## 2. Analyze the potential for marketing campaigns with Youtubers

### User story

As the Head of Marketing, I want to analyze the potential for successful campaigns with the top Youtubers so that I can maximize the ROI

### Acceptance criteria

The solution should

* Recommend YouTube channels best suited for different campaigns types (e.g. product placement, sponsored video series, influencer marketing)
* Consider reach, engagement and potential revenue based on estimated conversion rates
* Clearly explain the recommendations with data-driven justifications

# Success criteria

Head of marketing can :

* Easily identify the top performing YouTube channels based on the key metrics mentioned above
* Assess the potential for successful campaigns with top Youtubers based on reach, engagement and potential revenue
* Make informed decisions on the ideal collaborations to advance with based on recommendations

This allows the Head of marketing to achieve a good ROI and build relationships with YouTubers for future collaborations, which leads to recognition within the company.

# Information needed

The Head of marketing needs the top Youtubers in the SA, and the key metrics needed include:

* Subscriber count
* Videos uploaded
* Views
* Average views
* Subscriber engagement ratio
* Views per subscriber

# Data needed

The dataset to produce the information we need should include the following fields

* Channel name (string)
* Total subscribers (integer)
* Total videos uploaded (integer)
* Total views (integer)

We’ll focus on the top 100 Youtubers for simplicity sake.

# Data quality checks

We need to add measures in place to confirm the dataset contains the data required without any issues – here are some of the data quality checks we need to conduct:

* Row count check
* Column count check
* Data type check
* Duplicate check

# Additional requirements

* Document the solution and include the data sources, transformation processes and walk through on analysis conclusions
* Make source code and docs available on GitHub
* Ensure the solution is reproducible and maintainable so that it can support future updates