User Requirements Doc:

100 US Youtubers in Technology 2024 Dashboard

# Objective

To discover the top potential 100 US-based technology YouTubers in 2024 for marketing collaborations and partnerships.

# Problems identified

* Sarah (the Head of Marketing) has found finding the top potential YouTube channels in the US to run marketing campaigns with difficult.
* She has performed online research but constantly bumps into overly complicated and conflicting insights
* She has also held calls with different third-party providers, but they are all expensive options for underwhelming results
* The BI reporting team lack the bandwidth to assist her with this assignment

# Target audience

* Primary – Sarah (Head of Marketing)
* Secondary - Marketing team members (who will be involved in running campaigns with the YouTubers)

# Use cases

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

### User story

As the Head of Marketing, I want to identify top potential YouTubers in the US based on subscriber count, number of videos uploaded, and total views, so that I can determine which channels would be best for running marketing campaigns to generate a good ROI.

### Acceptance criteria

The dashboard should

* List top potential 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. Analyse the potential for marketing campaigns with Youtubers

### User story

As the Head of Marketing, I want to analyse the potential for successful campaigns with the top potential 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

Sarah 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 Sarah to achieve a good ROI and build relationships with YouTubers for future collaborations, which leads to recognition within the company.

# Information needed

Sarah needs the top potential YouTubers in the US, 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