YouTube advertisement putting project report

1. Exploratory Data Analysis (EDA)
2. Put advertisements on what kind of videos?

Plot:

表格

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图表, 条形图

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Result:

Our app is related to travel, and travel & events has a relatively shorter time it takes to reach trending and the total views are not too high. The cost is acceptable.

Based on the form and plot, we can conclude that the shorter the time it takes to reach trending and the video category with the highest average daily views growth is more conducive to advertising. However, considering that videos with higher total views may have higher placement costs, I have made the following plan:

1. Music + Nonprofits & Activism:

Pros: The average daily viewing volume of these two types of videos has increased significantly, and the average number of days a video reaches trending is relatively low.

Cons: The total viewing volume of music videos is the highest, so if advertising is placed, the cost may be higher. However, the total viewing volume of nonprofit videos is relatively low, and even if it grows rapidly, the audience may not be as broad as other categories, which may have an impact on the advertising effect.

1. Gaming + Comedy/ Entertainment + People & Blogs

Pros: The total viewing volume of these types of videos is not low, but because they are not the highest, they can be controlled in terms of cost. At the same time, their average daily traffic growth rate is also relatively high, and their spending time on trending is not particularly slow, which can be a good solution.

Cons: Considering that the main product is a travel app, choosing videos such as gaming and entertainment may not necessarily have a strong interest in tourism among their audience.

1. When is the best time to put advertisements?

By analyzing the time difference between views and video releases, as well as the trending time on the list, I believe that the appropriate time for advertising should be when views rise the fastest.

* By daily:

图表, 折线图

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We can see that on the 6th of each month, the average daily growth views increase fastest which is around 700,000 views per day. Overall, the values of the 4th, 6th, 24th, and 29th are relatively high, making them suitable for advertising and promotion.

On the 28th, the average daily growth views increase lowest which is around 200,000 views per day. The values on the 15th, 22nd, and 28th are relatively low, so it is recommended not to advertise.

* By monthly:

We can see that in June, the average monthly growth views increase fastest which is around 770,000 views per day. Overall, the values from April to June are relatively high, making them more suitable for advertising. The best time is in June.

From July to October, the average monthly growth views are all relatively low, which should not be a good time to put an advertisement.

图表, 折线图

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