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CASE STUDY: BrightTV (Viewership Analytics)

Methodology

Two data files were provided for BrightTV Case Study. These files are User profile and Viewership. These files contain subscriber profiles as well as viewership information.

Data was collected for the period 01/01/2016 to 31/03/2016. It is worth noting that five duplicates were found from the Viewership data file. Data cleaning was done. The duplicate ID were removed because it is assumed that one user is watching. It was found that 5376 were unique users.

User profile and Viewership files were uploaded on snowflakes. The two tables were joined together (user profiles table with the viewer table on UserID)

The following syntax was used:

```
SELECT

up.UserID,
up.Name,
up.Surname,
up.Email,
up.Gender,
up.Race,
up.Province,
up.Province,
up.[Social_Media_Handle],
v.Channel2,
v.RecordDate2,
v.[Duration_2]

FROM
user_profile up
JOIN
viewer v

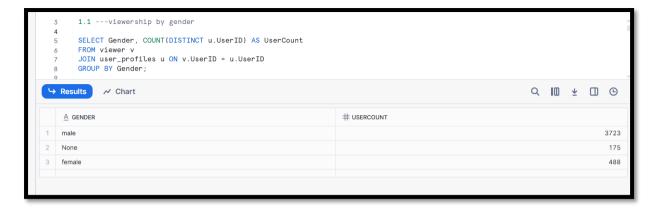
ON
up.UserID = v.UserID;
```

Provide insights on user and usage trends of BrightTV.

1. Gender

We noted that on gender the are people who did not provide details when signing up either male or female. Others could be Him/her

The syntax below was used to count the number of users (viewers) there are in each gender category. The results shows that the higher number of users are male than female



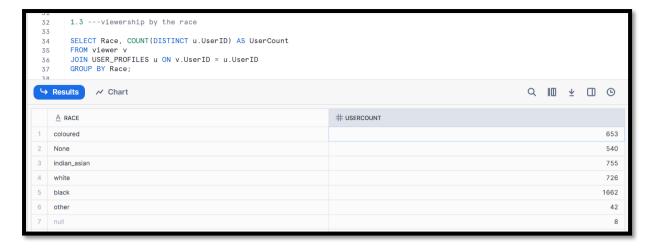
2. **Province**

The syntax below was used to count the number users (viewers) per province. The findings shows that Gauteng has the highest number viewers which is 1607



3. Race

To find out how many users (viewers) belong to which racial group, the syntax below was used. The results shows that higher number of users are black people, followed by Indian_asian people. We noted that under race there are people who did not provide details



4. **Age**

We have grouped age according to the following:

Age interval from south Africa

- Children (0-14)
- Young Adults (15-24)
- Working-age Adults (25-54)
- Mature Working-age Adults (55-64)
- Elderly (65+)

To count how many viewers belong to different age groups, using commonly recognized age categories like the above mentioned, the following syntax was used:



3.1. To provide insights into factors influencing BrightTv consumption using SQL, we have to analyze how different demographic and behavioral variables correlate with BrightTv viewing habits such as duration of viewership, channel preference, and viewing frequency.

Most watched Channels

To find out which channels are watched more than others

Age group

To find out which age groups watch content the longest on average - by calculating their average viewing time in minutes. The syntax below was used



What type of factors influence consumption?

1. Affordability and Cost:

When subscription costs increases, it becomes less affordable for some consumers, particularly those in lower-income households.

2. Content and Programming

Content offering sports, movies, news and local content, attracts viewers.

3. Location

In rural areas, news programming is more popular than movies, while in urban areas, movies are more frequently watched.

4. Loadshedding

Periods of loadshedding can have a negative impact on Bright TV viewership

5. Social interactions and recommendations can also influence viewing choices.

6. Age

Younger generations are more likely to use streaming services compared to older demographics who may prefer traditional TV.

What type of initiatives would you recommend to further grow BrightTV 's User base.

Recommendations

- Prioritise channels that people watch e.g. content offering sports, movies, news and local content, attracts viewers.
- Do outreach programmes in rural areas about BrightTv and go with different actors
- Evolve with time
- Quality content over quantity
- Create a new model (pay as you watch) that can track what people like
- Create a package which allows people to watch what they like, the package must be aligned to the trend, must be tailored for specific audience from the of channels available they will be looking at the trends of content consumption
- Relook the way to come up with the packages
- Reduce premium to packages
- BrightTv must offer Rewards such as, but not limited to, vouchers, exclusive access to VIP events, early-bird access to tickets, package upgrades and discount offers