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ECO 32500

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SQL Check-Up

Given the two data tables below, please provide SQL queries for the following questions. If needed, you can segment your answer into more than one query.

Viewership Table: fact_view

Field	Data Type
video_id	varchar
session_id	varchar
date	timestamp
user_id	varchar
seconds_watched	int

Series Metadata Table: dim_video

Field	Data Type
video_id	varchar
episode_name	varchar
episode_number	int
season_number	int
series_name	varchar
runtime_seconds	int
genre	varchar

1. How many unique viewers did Game of Thrones & Westworld garner in the past 7 days? [Hint: use series_names]

Select distinct user_id

From fact_view join dim_video on video_id = dim_video

Where series_name in ('Game of Thrones', 'Westworld garner') and date between date ((2022-06-21) - interval 7 day) and date (2022-06-21)

2. What is the average completion rate (seconds watched divided by runtime) for the first episode of every series?

Select series_name, Avg (seconds_watched/runtime_seconds). CompletionRate

From fact_view inner join dim_video on dim_video. dim_video = video_id. dim_video

Where episode_number = 1

Group By series_name

Extra Credit:

3. What is the 2nd most watched episode per genre in terms of minutes watched?

SELECT episode_number
        , genre
        , MinutesWatched
        , rank(2)
FROM (SELECT episode_number, genre, dense_rank(2) over(order by count(*)) as rank
FROM dim_video join fact_view on dim_video = video_id)
Group By episode_number, genre) as rank = 2