

Capstone Project - Module 2

Data Source:

[MySQL :: Other MySQL Documentation](#)

General Question

1. What are the insights that we can get from the database?
2. How many tables are there on sakila database? Show the ERD and the table's details.

SQL

1. Can we view essential film details on 1 table? (category, title, release_year, language, length, rating, rental_duration, rental_rate)
2. Can we analyze the data according to category, payment, and country in 1 table? (rental_id, category, rating, rental_rate, rental_duration, rental_length_day, total_sales, country, city)

Data Manipulation

1. Are there any missing values, duplicate and/or wrong formatting? If yes, show how to handle the anomaly.
2. How many film titles do we have according to category and rating?
3. How much is the average rental_rate according to rating and rental_duration?
4. How much is the total sales according to category, rating, country?
5. On our table, we have rental_length_day which is a column that we made on SQL by calculating the difference between rental_date and return_date. Check if there are any outliers on the data.

Data Visualization and Statistics

1. Where is our current inventory position?
2. Total sales contribution according to category
3. Can current inventory fulfil the customer's need?
4. Are there any difference on the average of the payment by category?
5. What is the proportion of the payment that are overdue?
6. Payment trend?
7. Rental location increasing/decreasing?