

Q1: Create a query that lists each family movie, the film category it is classified in, and the number of times it has been rented out.



Since the result table has 350 rows, only first 10 rows are shown on the right side.

- Each movie in each category can be seen with their rental count in the result table.

movie_title	category_name	count
Alter Victory	Animation	22
Anaconda Confessions	Animation	21
Bikini Borrowers	Animation	17
Blackout Private	Animation	27
Borrowers Bedazzled	Animation	22
Canyon Stock	Animation	19
Carol Texas	Animation	18
Champion Flatliners	Animation	13
Clash Freddy	Animation	25
Club Graffiti	Animation	19

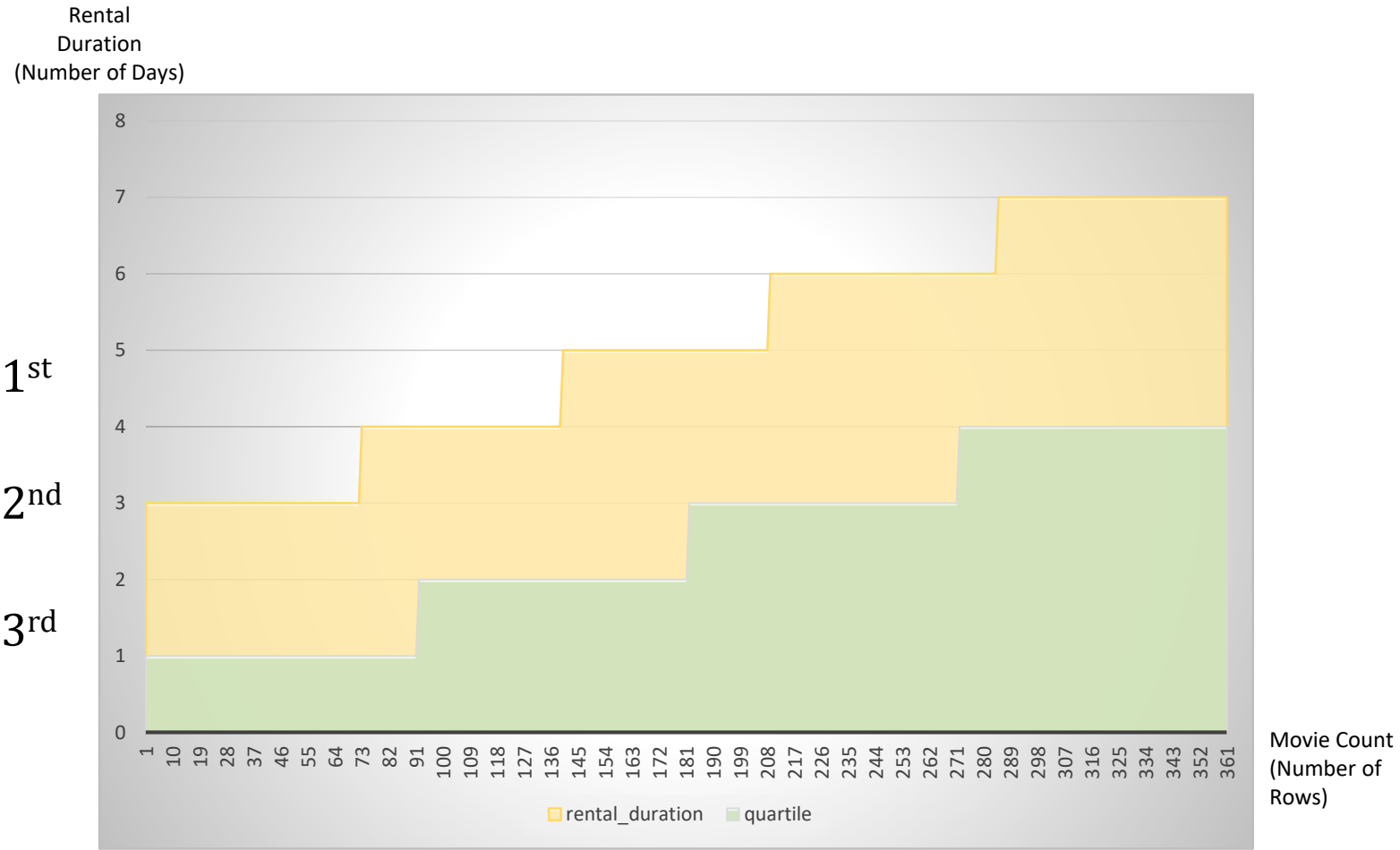
Table 1: First 10 rows of the result table (Query #1)

Q2: Provide a query that shows how the length of rental duration of family-friendly movies compares to the duration that all movies are rented for.



The graph shows that

- Shortest rental duration → 3 days
- Rental duration that falls into both 1st and 2nd quartile → 4 days
- Rental duration that falls into both 2nd or 3rd quartile → 5 days
- Rental duration that falls into both 3rd and 4th quartile → 6 days
- Longest rental duration → 7 days



Graph 1: Rental durations in each quartile (Query #2)

Q3: Can you write a query to capture the customer name, month and year of payment, and total payment amount for each month by these top 10 paying customers?

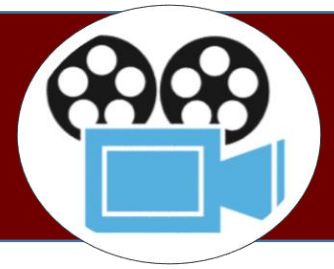


Table 2 shows top 10 paying customers with their payment amounts and counts.

payment_month	full_name	count_permonth	payment_permonth
04/2007	Eleanor Hunt	22	100.78
04/2007	Arnold Havens	19	97.81
04/2007	Gordon Allard	17	96.83
04/2007	Rhonda Kennedy	19	96.81
04/2007	Clara Shaw	18	93.82
04/2007	Tommy Collazo	18	89.82
04/2007	Karl Seal	20	89.80
04/2007	Marsha Douglas	18	88.82
04/2007	Daisy Bates	19	88.81
03/2007	Eleanor Hunt	18	87.82

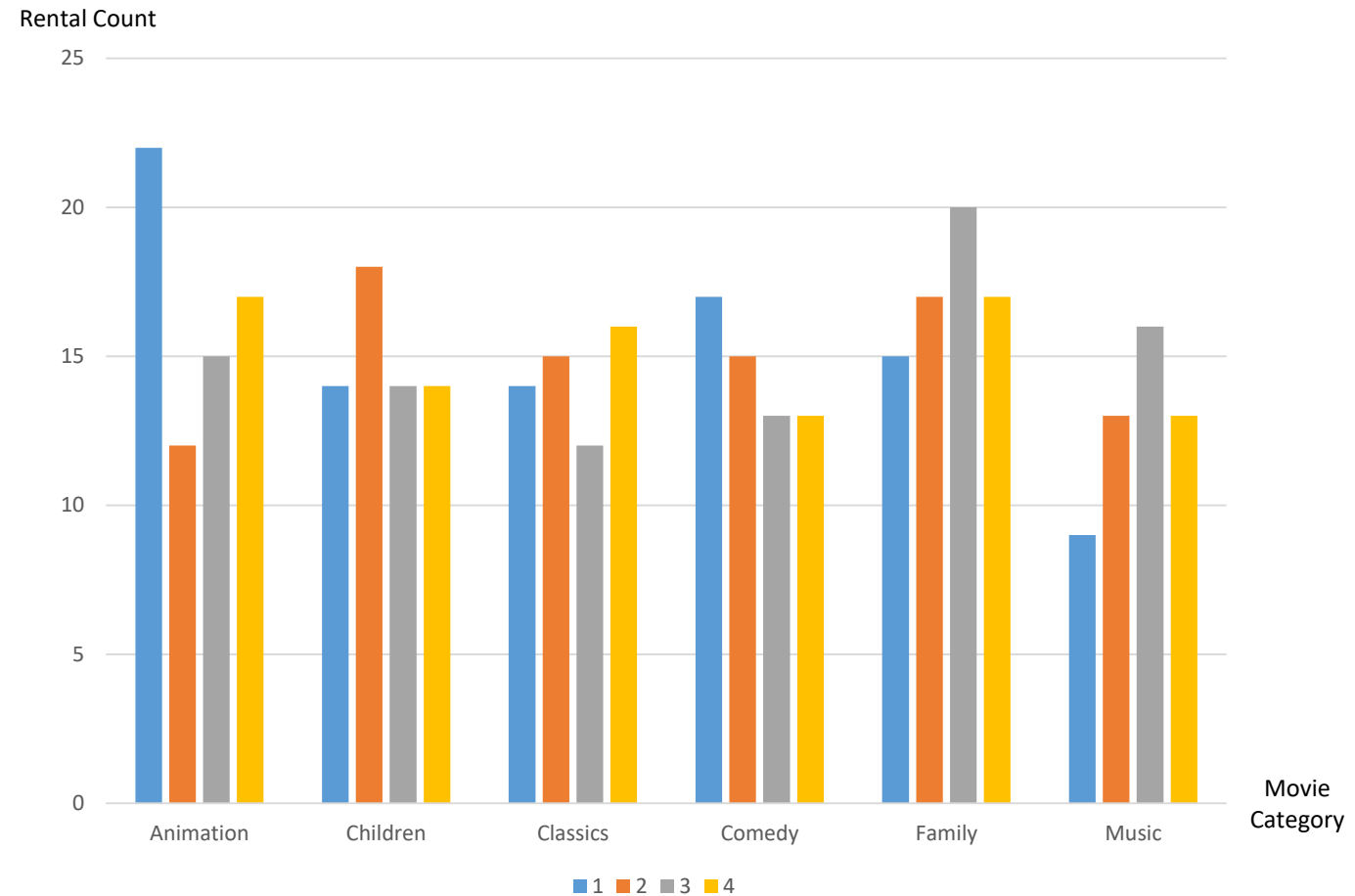
Table 2: Top 10 Paying Customers (Query #3)

Q4: Provide a table with the family-friendly film category, each of the quartiles, and the corresponding count of movies within each combination of film category for each corresponding rental duration category.



Category type, each quartile and count can be in graph 2.

- The Highest Count → 22 (Animation in Quartile 1)
- The Lowest Count → 9 (Music in Quartile 1)



Graph 2: Counts in Each Quartile (Query #4)