Question 1:
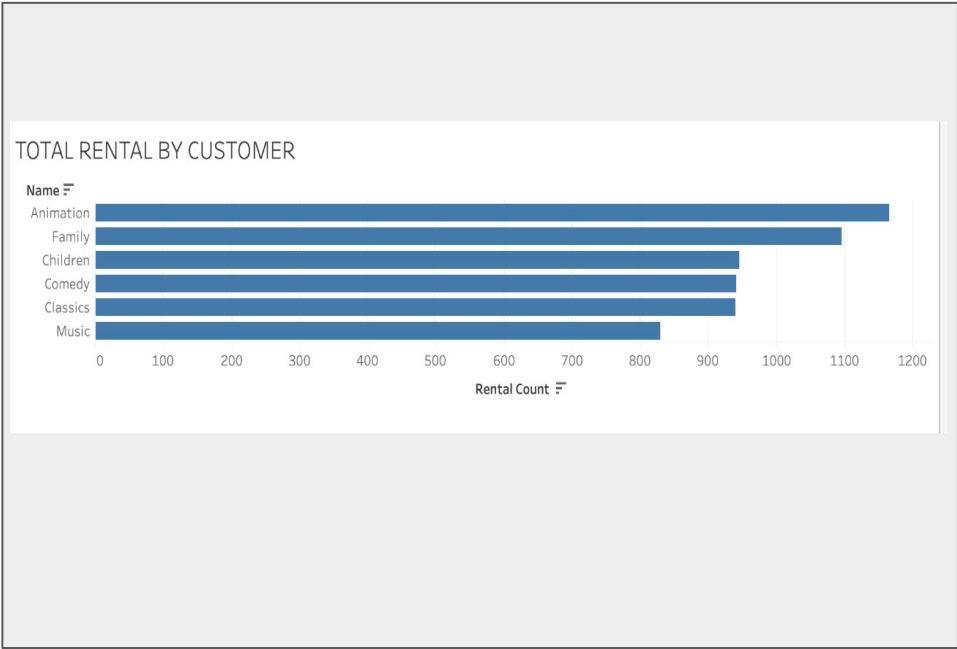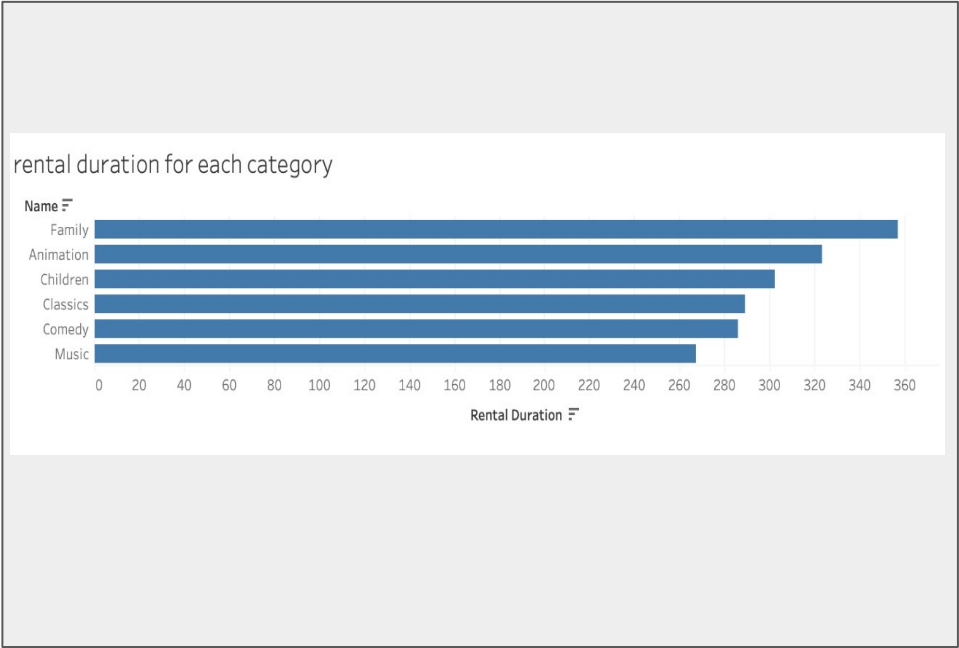
Create a query that lists each movie, the film category it is classified in, and the number of times it has been rented out.

TOTAL RENTAL BY CUSTOMER

The most popular family category turns out to be Animation, followed by movies directly targeted to families. The least popular choice is music number 830

Question 2:

Can you provide a table with the movie titles and divide them into 4 levels (first_quarter, second_quarter, third_quarter, and final_quarter) based on the quartiles (25%, 50%, 75%) of the rental duration for movies across all categories?

rental duration for each category

Name ⚏

| Family |
| Animation |
| Children |
| Classics |
| Comedy |
| Music |

0   20   40   60   80   100   120   140   160   180   200   220   240   260   280   300   320   340   360
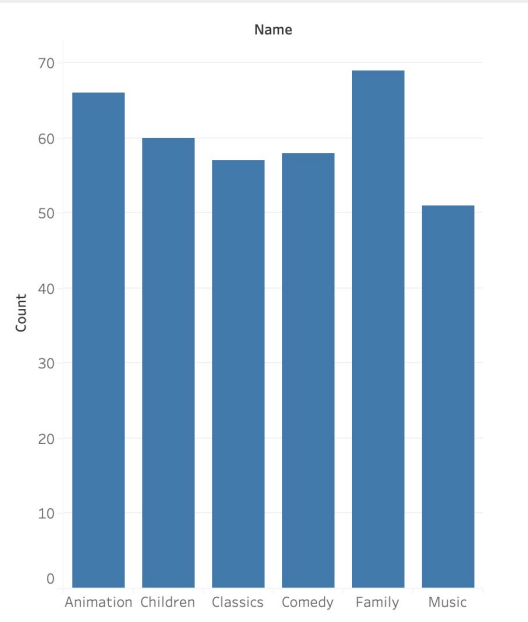
Rental Duration ⚏

A horizontal bar chart Descending order was used so that we could know the most booked movies, and it appeared to us that Family had the highest number of 357 and the lowest booked Music number of 267.

Question 3:

Finally, 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. The resulting table should have three columns:
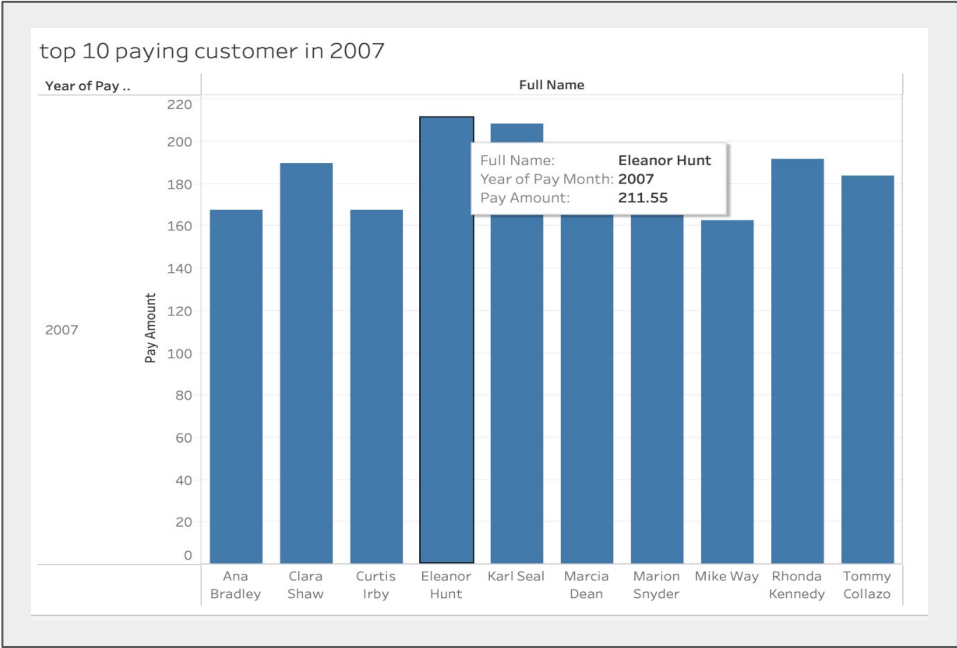-Category
-Rental length category
-Count

So we can see the graph of the bar chart, use the distribution of films by amount for each category of family movements

Question 4:

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?

top 10 paying customer in 2007

Full Name: Eleanor Hunt
Year of Pay Month: 2007
Pay Amount: 211.55

The plot is showing the top 10 paying customers in 2007 in order of their names with the amount of the monthly payments they made in 2007.

As we can see here, that Eleanor Hunt has made the top monthly payment of $100 in April 2007 (211.55)