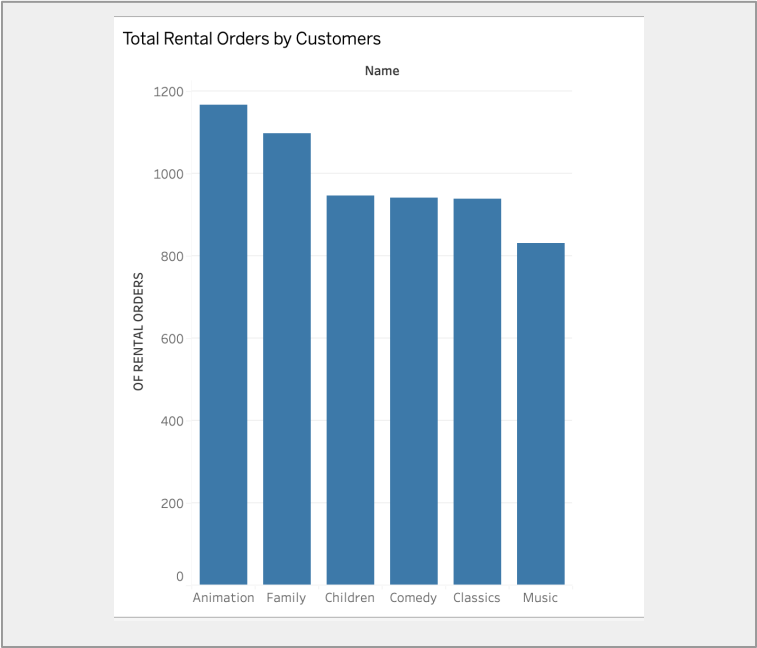
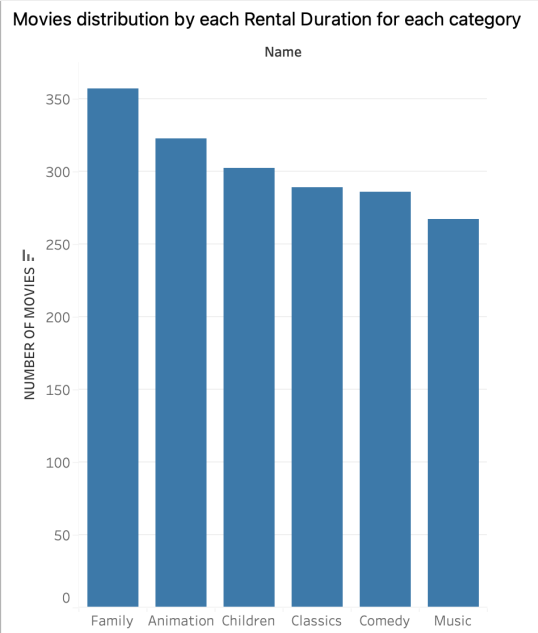


Q1: What is the trend in the number of total rental orders till now for each category of family movies ?



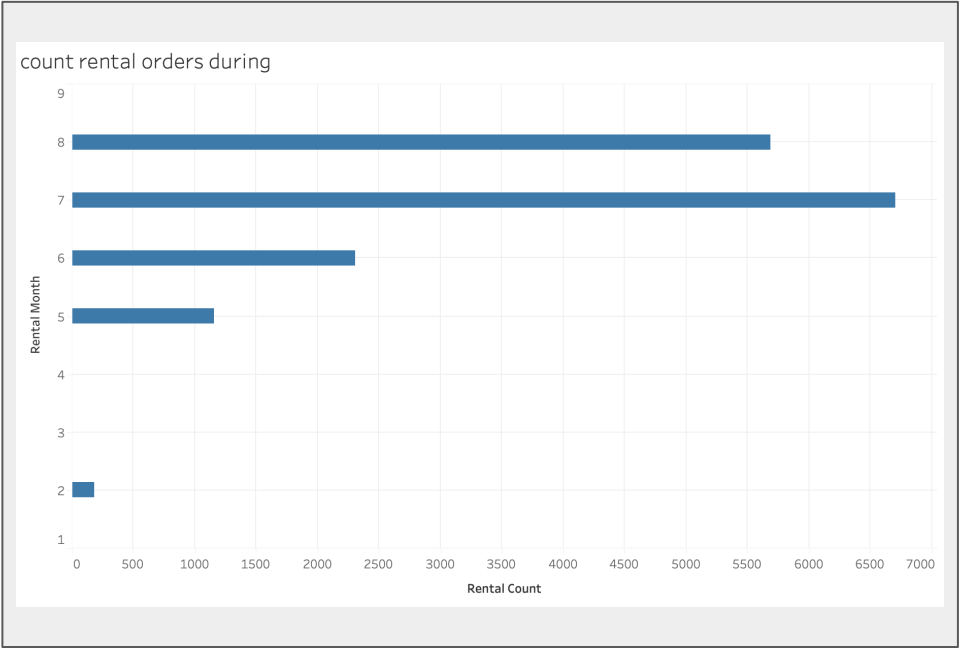
A vertical bar chart was used so that we could know the most booked movies, and it appeared to us that Animation had the highest number of 1166 and the lowest booked Music number of 830. rent movies in the ‘Animation’ category followed by ‘Family’ category with almost the same interest for ‘Children’, ‘Classics’ and ‘Comedy’ categories and families show least interest to rent ‘Music’ category movies.

Q2: For all rental orders till now, how the length of rental duration of specifically ‘Family’ category movies compares to the duration that all family movies are rented for?



A vertical bar chart here shows the distribution of movies by each rental duration for each category of the family movies. It can be clearly seen that maximum number of movies in the ‘Family’ category are rented for 6 days in comparison to maximum number of movies in the ‘Animation’ category which are being rented for 3 days.

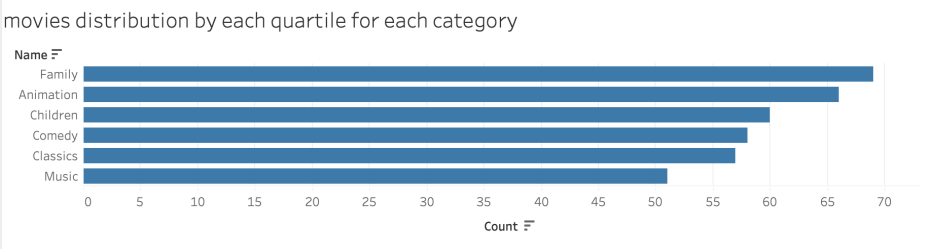
Q3: Write a query that returns the store ID for the store, the year and month and the number of rental orders each store has fulfilled for that month. Your table should include a column for each of the following: year, month, store ID and count of rental orders fulfilled during that month.



The horizontal chart graph was used, significant increase in buying rates in July and Aug , lower purchases in the months of June

Q4: 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 that we could see theThe horizontal chart graph was used , Distribution of movies by each quartile for each category of family moves when within the database all moves were stored according to the rental duration in ascending order of duration