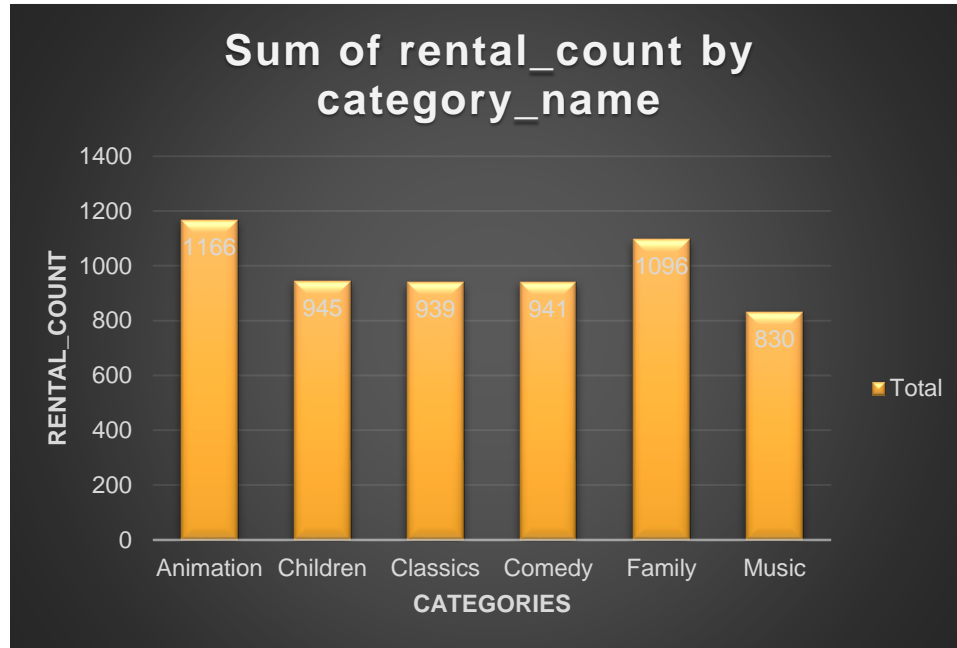


# <Sakila DVD project Q1>

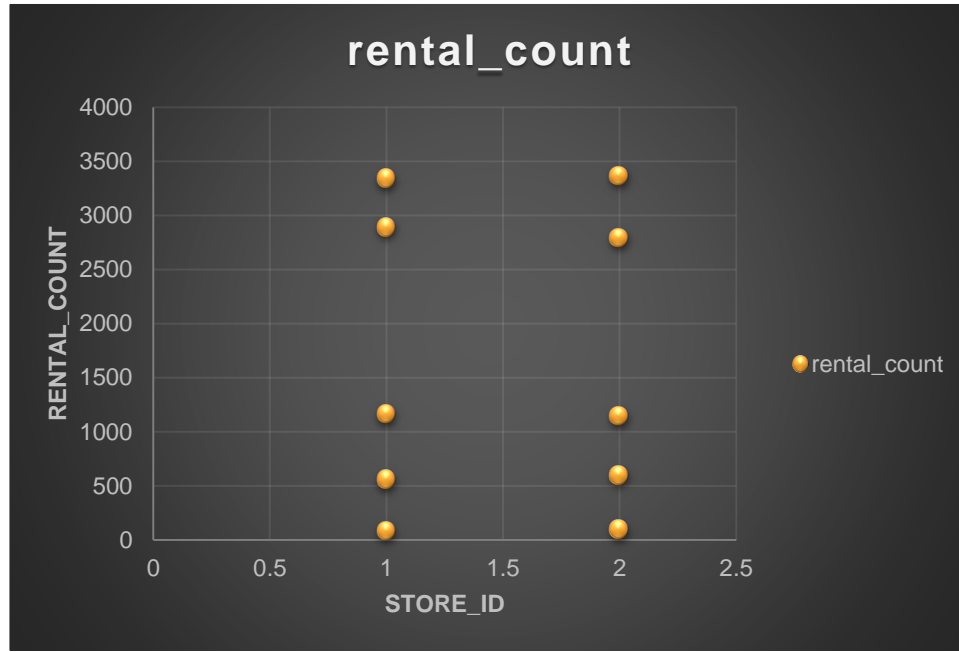


We want to understand more about the movies that families are watching. The following categories are considered family movies: Animation, Children, Classics, Comedy, Family and Music.

- **How many times were the movies in each categories under the family movies genre rented out?**

**Ans:** The visualization shows the distribution of family movies and how frequently the movies in the categories were rented. The movies in animation category are the most rented , followed by the movies in the family category.

# <Sakila DVD project Q2>

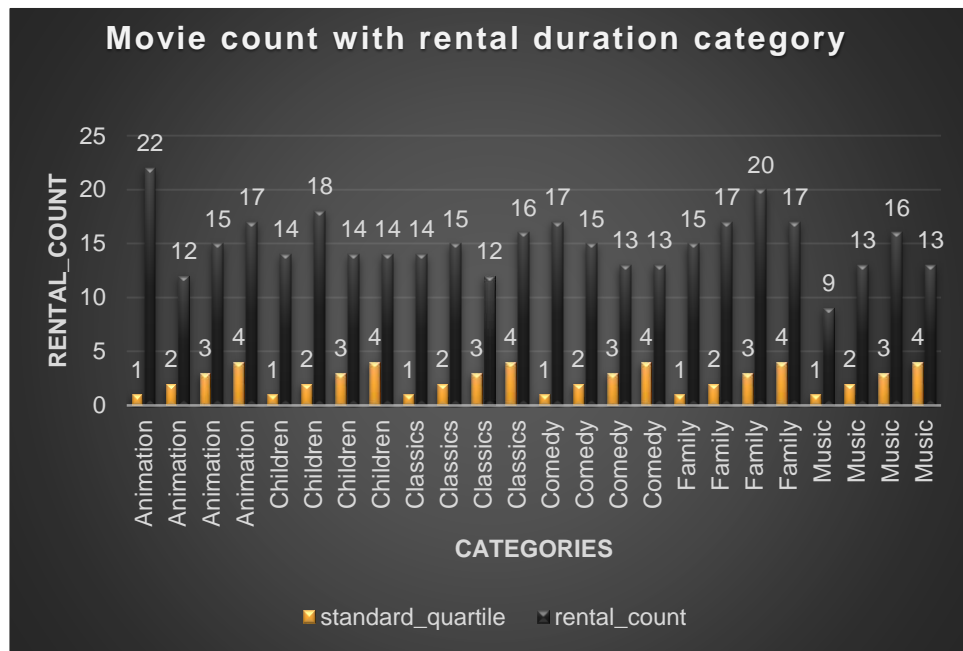


We want to find out how the two stores compare in their count of rental orders during every month for all the years we have data for.

- In the number of rental orders each store has fulfilled for each month, Is there a significant difference in the count of rentals? If so, which store has the highest number of rental fulfilled overall?

**Ans:** There is no significant difference in the count of rental orders for both store. However, store 1 has highest number of rental fulfilled overall with 8040 movies rented compared to store 2 with 8004 movies rented

# <Sakila DVD project Q3>

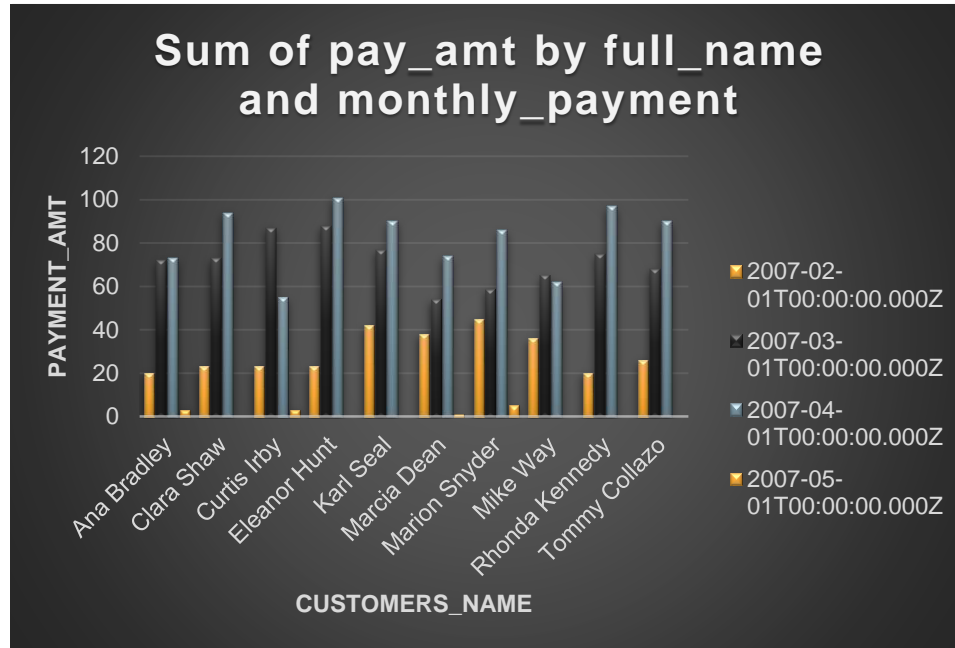


- What is the corresponding count of movies within each combination of film category for each corresponding rental duration category?

**Ans:** The graph shows the distribution of movie count for each quartile across the movie the categories. The movies in the first quartile of the rental duration in the animation category account for the over 25% of the movies rented in the category

- Children category – second quartile is the majority
- Classics – fourth quartile is the majority
- Comedy – first quartile is the majority
- Family – third quartile is the majority
- Music – third quartile is the majority

# <Sakila DVD project Q4>



We would like to know who were our top 10 paying customers, how many payments they made on a monthly basis during 2007, and what was the amount of the monthly payments.

- **What are the full names of the top 10 paying customers? What are the months and year of payment, and total payment amount for each month by these top 10 paying customers?**

Ans: The graph shows the distribution of the amount spent by the top 10 customer ranging from February of 2007 to May of 2007. The graph also shows that some of the customers only spent money on rental in February, March, and April, while the customers that spent money on rentals in May spent very little compared to the previous month.