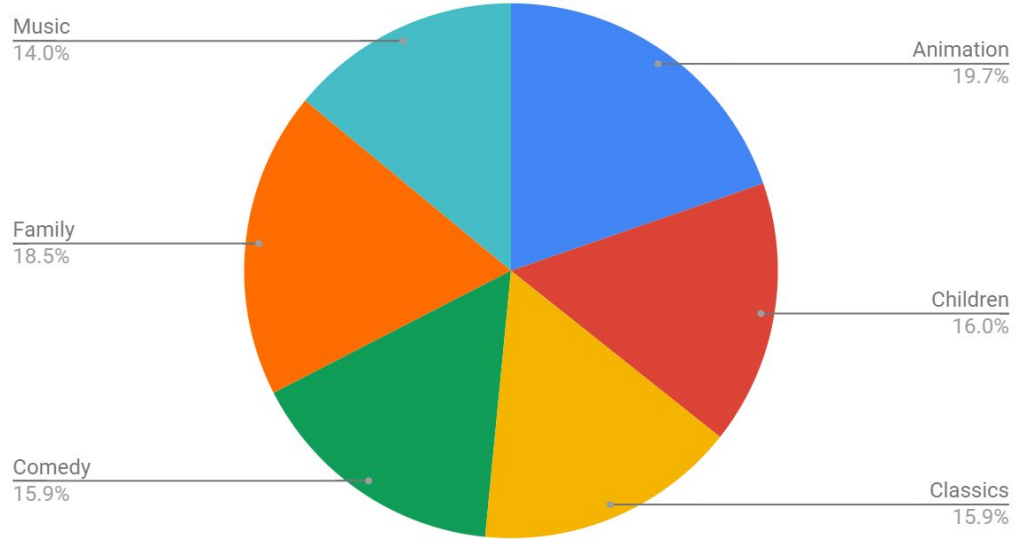# Project One

DVD RENTAL Database

Question One

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.

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

Solution One

This pie chart shows the total rentals per family movie categories (Music, Animation, Family,Classics, Children and Comedy). As shown the most rented family movies category is Animation.

Total Rentals per Movie Category

Music
14.0%

Animation
19.7%

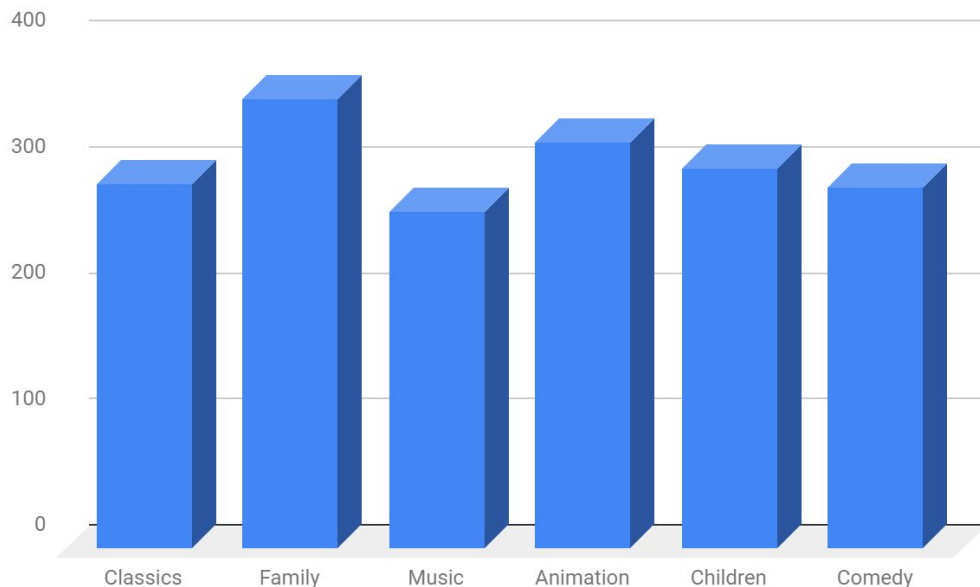Family
18.5%

Children
16.0%

Comedy
15.9%

Classics
15.9%

Question Two

Now we need to know how the length of rental duration of these family-friendly movies compares to the duration that all movies are rented for. **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?** Make sure to also indicate the category that these family-friendly movies fall into.

Solution Two

This bar chart shows the total rental duration per family movie categories (Music, Animation, Family,Classics, Children and Comedy). The category with the longest rental duration is Family.
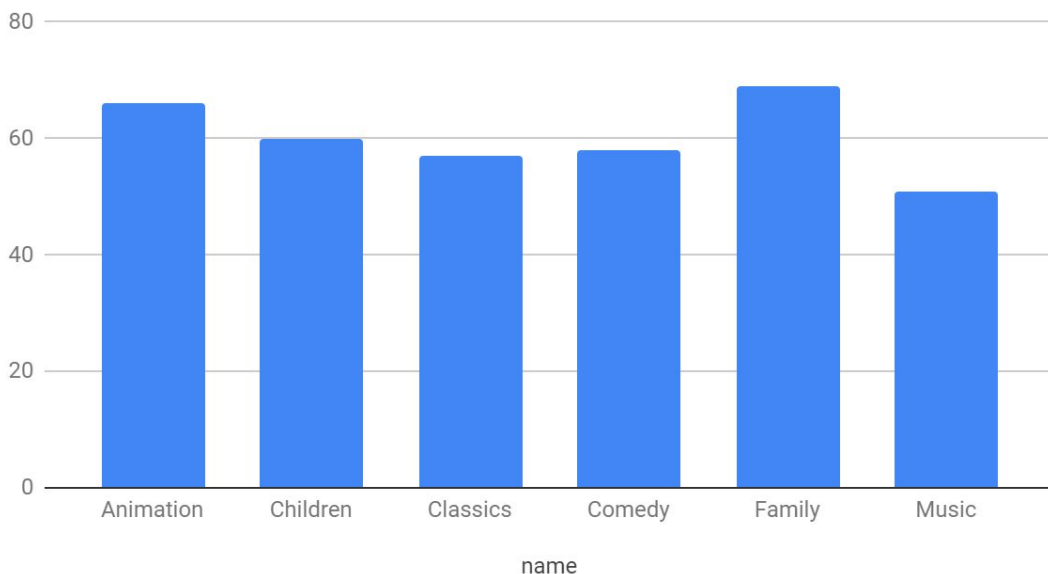
Question Three

inally, 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

Solution Three

This bar chart shows the total rented movies per movie category. As shown in the chart the category with the most rented movies and longest rental duration is Family.

Total Movies Rented per Category

Question Four

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. **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?**

Solution Four

This bar chart shows the top 10 customers based on their monthly payment in 2007.

Top 10 Customers per Amount Payed