# Query 1 – Total rental orders of customers for each family movies category.

## Total Rental Orders



| family-friendly film category | Number of rental orders |
|---|---|
| Animation | 1166 |
| Children | 945 |
| Classics | 939 |
| Comedy | 941 |
| Family | 1096 |
| Music | 830 |
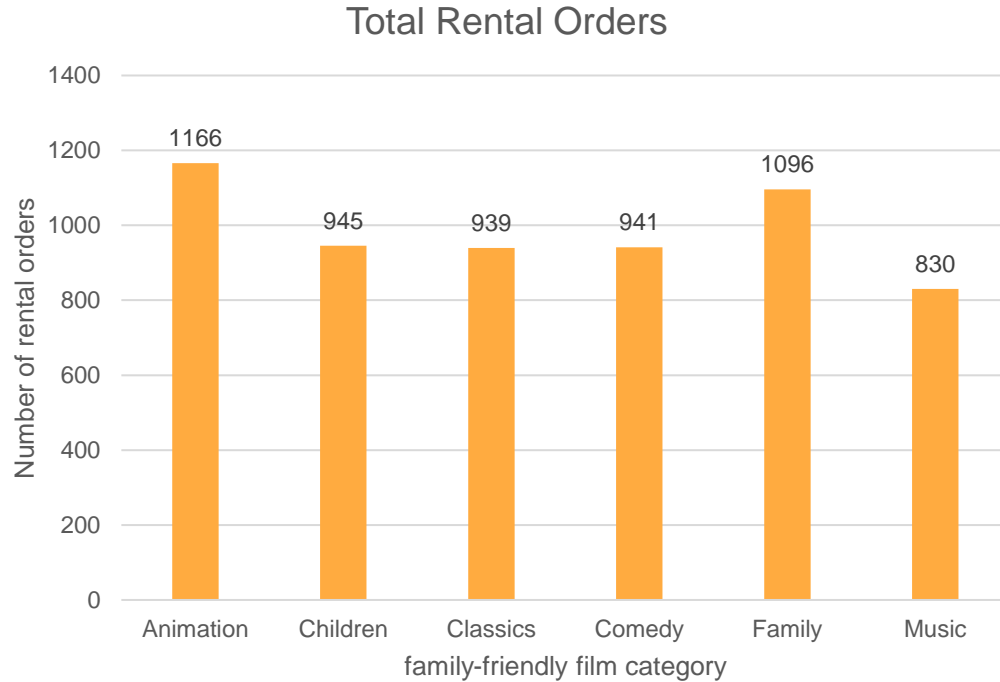
Description: This bar chart gives information about the number of rental orders of family films from customers.

It can be seen that the highest rental orders of the family movies category is Animation, followed by Family, Children, Comedy, and Classics respectively. While music category is the least popular in movies of the family category.

# Query 2 – The number of movies in quartile for each family film category.



Movies distribution by each quartile for each family film category
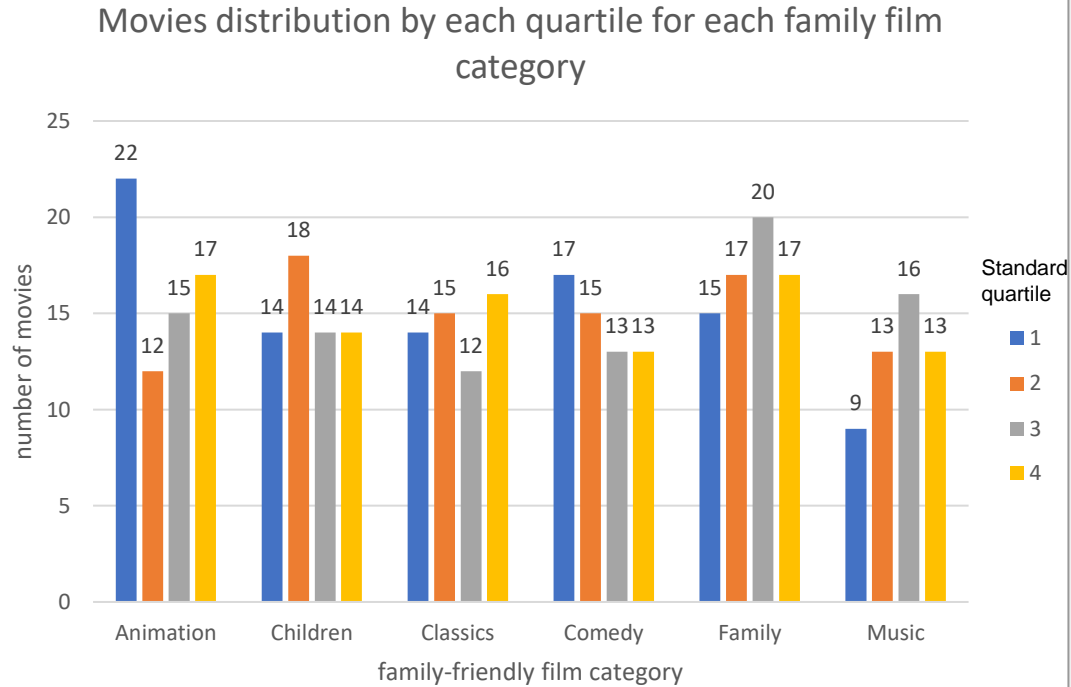
Description: This chart shows the number of movies distributed by four standard quartiles for each category of family films.

We can see the number of family movies category in each quartile has a value between 9 to 22 movies and the first quartile of Animation is the highest number. On the other hand, the Music category has the lowest number if compared to the average for all categories.

# Query 3 – Comparison of total rental orders by store id for each month in 2005 and 2006.

## The total rental orders of two stores for each month in 2005 and 2006



Store id
- 1
- 2
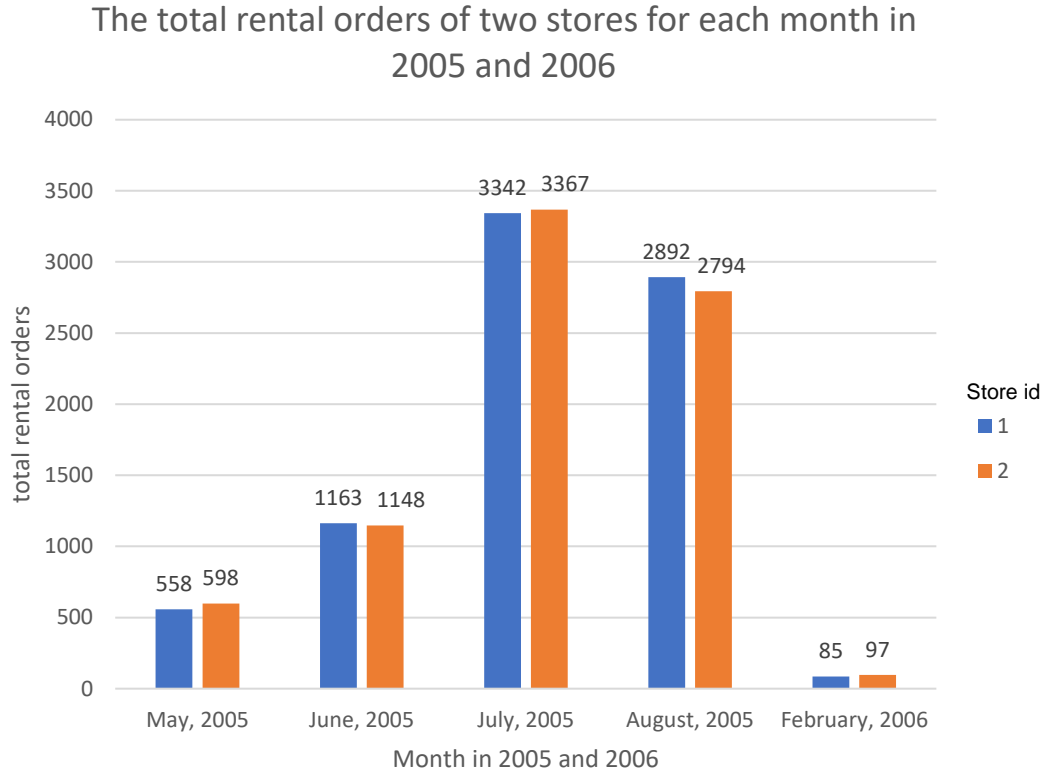
Description: This histogram illustrates the comparison between two stores by a total of rental orders.

It is noticeably that both stores have the same pattern. In May 2005, we can see the rental orders of both stores gradually increase until June and peak the highest number in July. Then it decreased dramatically to lowest rental orders in February in the following year.

Note: We can assume that July might be the month that most customers order the movies in both stores. However, we can further research in another year for making sure before presenting to the stakeholders or managers.

# Query 4 – The amount of money spent of the top 10 paying customers for four months in 2007

## Top 10 Paying customers in 2007



| | Ana Bradley | Clara Shaw | Curtis Irby | Eleanor Hunt | Karl Seal | Marcia Dean | Marion Snyder | Mike Way | Rhonda Kennedy | Tommy Collazo |
|---|---|---|---|---|---|---|---|---|---|---|
| February | $19.96 | $22.94 | $22.94 | $22.95 | $41.91 | $37.92 | $44.92 | $35.94 | $19.96 | $25.93 |
| March | $71.84 | $72.84 | $86.83 | $87.82 | $76.87 | $53.90 | $58.88 | $64.85 | $74.85 | $67.88 |
| April | $72.88 | $93.82 | $54.86 | $100.7 | $89.80 | $73.80 | $85.82 | $61.88 | $96.81 | $89.82 |
| May | $2.99 | | $2.99 | | | $0.99 | $4.99 | | | |

**Monthly payment**
- February
- March
- April
- May

Description: This chart shows the money spent on a monthly payment by the top 10 paying customers for four months in 2007.

We can see that in May has just only four people spent the money on a monthly payment and the person who spent the most money among other people is Eleanor Hunt who spent $100.7 in April.