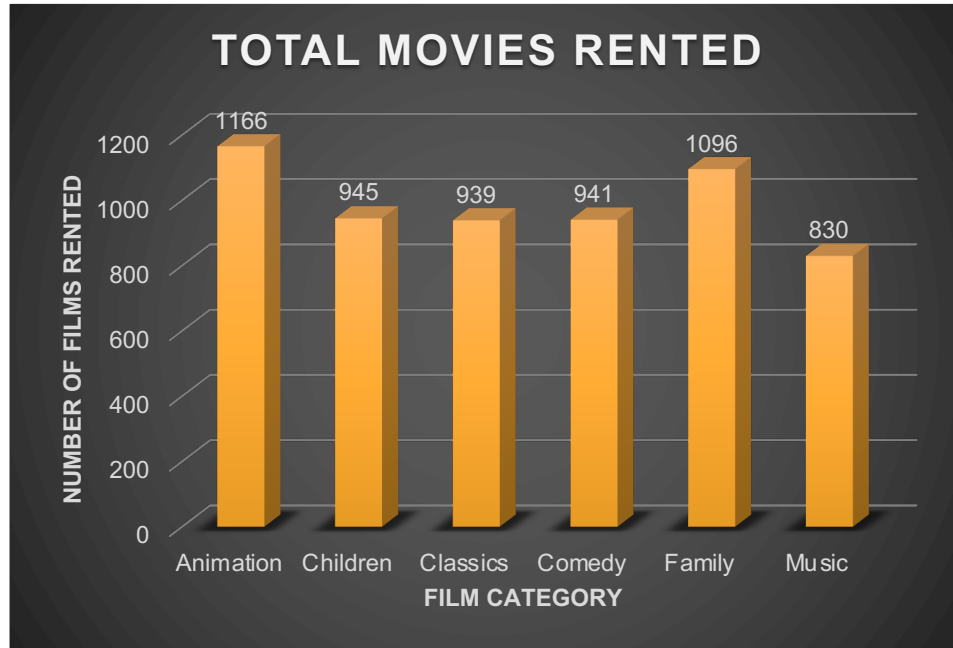


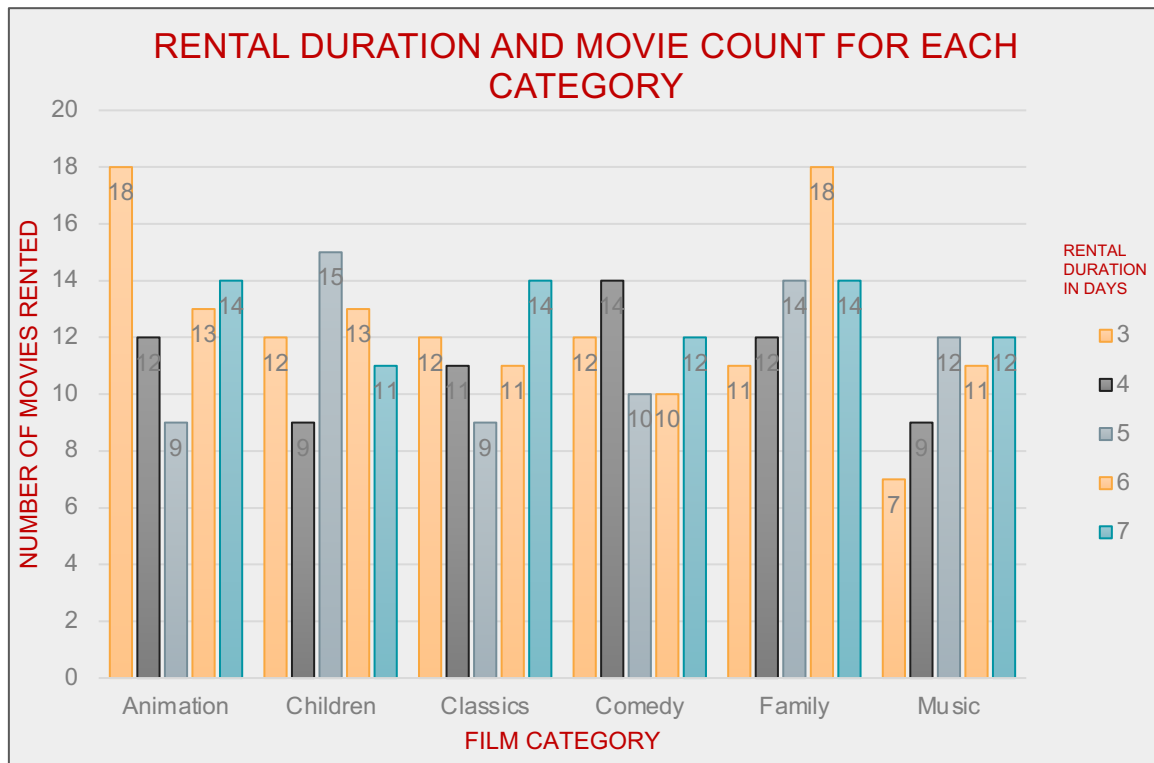
# What are the family film categories that are being rented out?



The plot shows the different types of family category and the rental amount.

As shown from the data people will rent Animation mostly followed by Family, Children, Comedy, Classics and the music category is the least rented.

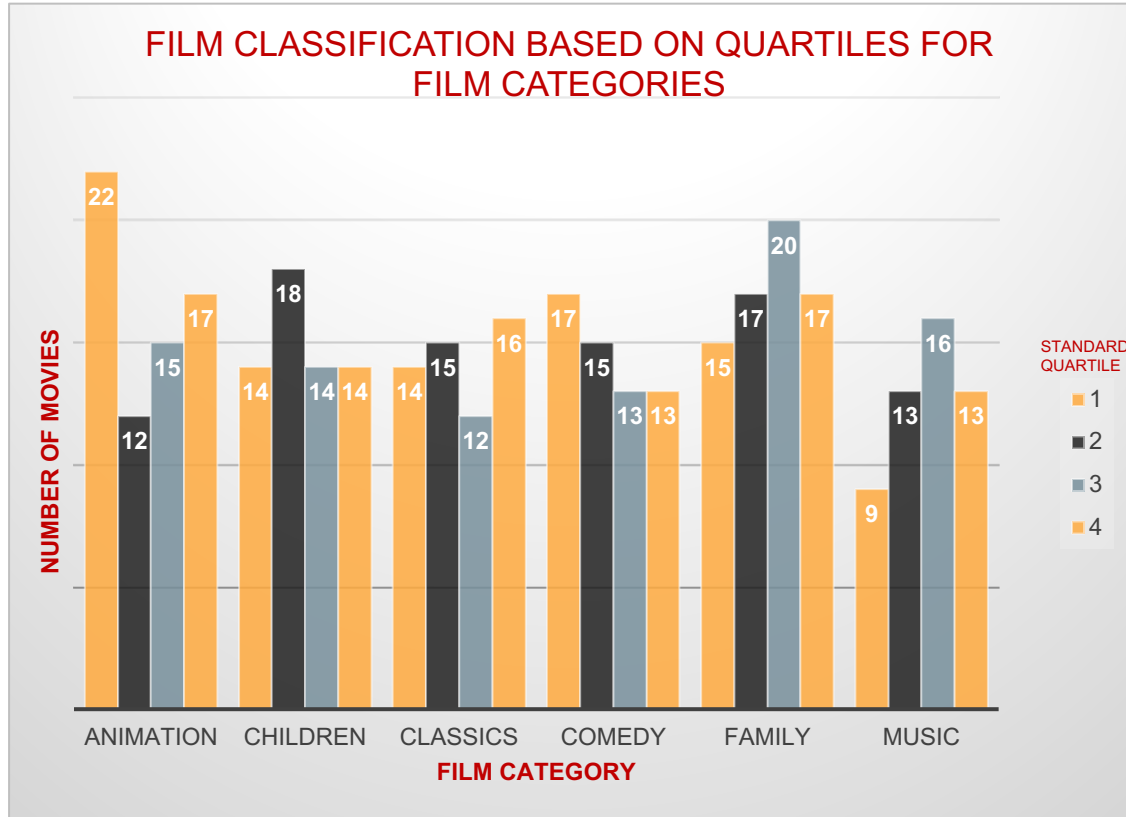
# What is the movie rent count for each rental duration for each movie category?



The plot shows the amount of movies rented for every rental duration in each category.

It is seen from the family category that 18 movies were rented for 6 days while in the Animation category 18 movies were rented out for 3 days.

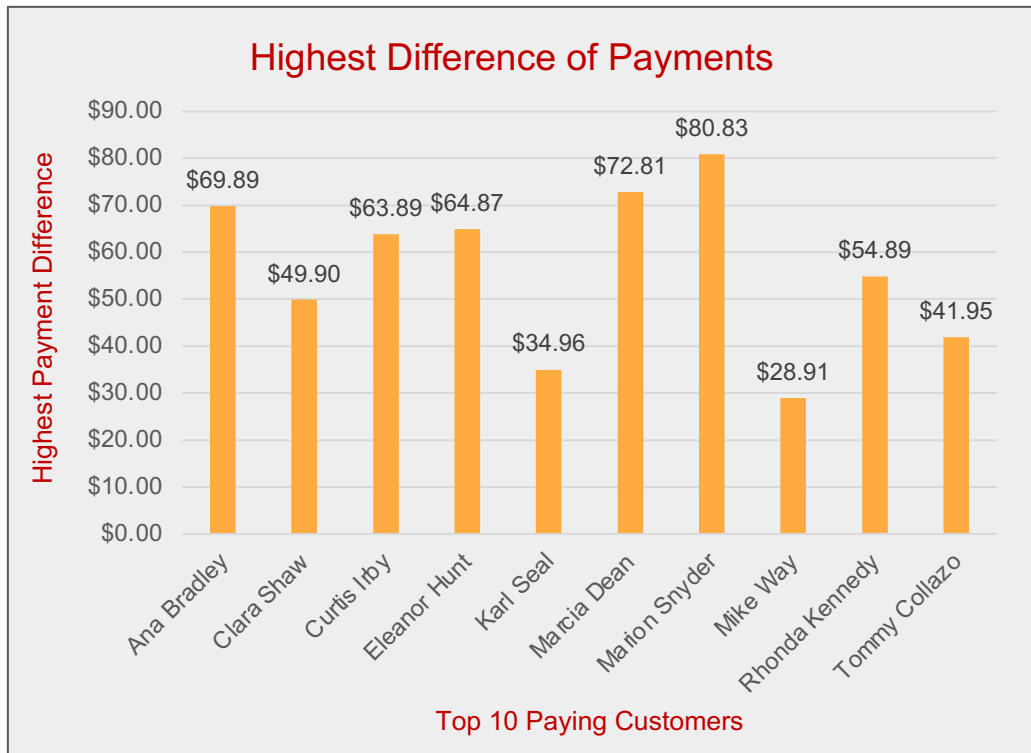
# What is the standard quartile for each category of movies if movies are sorted in ascending order of rental duration?



The graph shows the quartiles for each movie category and the amount of movies rented based on ascending rental duration.

We see that in the 1<sup>st</sup> quartile of the animation category the most movies were rented and in the music category the least amount of movies was rented. Different comparisons can be done for the rest of the data.

# Who were the top 10 paying customers and what was the highest difference payment they had in 2017?



The plot shows the top 10 paying customers and their highest difference payment in absolute value (negative and positive numbers are treated the same).

As seen, Marion Snyder had the highest difference in payment in different months.

On the other hand Mike Way had the lowest difference payment.

# References

This is where to find the SQL queries for the project:

Slide 1 – Query 1 in Zribi\_Final\_Project.txt

Slide 2 – Query 2 in Zribi\_Final\_Project.txt

Slide 3 – Query 3 in Zribi\_Final\_Project.txt

Slide 4 – Query 4 in Zribi\_Final\_Project.txt

I have also attached the excel sheet I used for visualization labelled f\_excel.xlsx and the solutions for Question Sets 1 & 2 in extra.txt