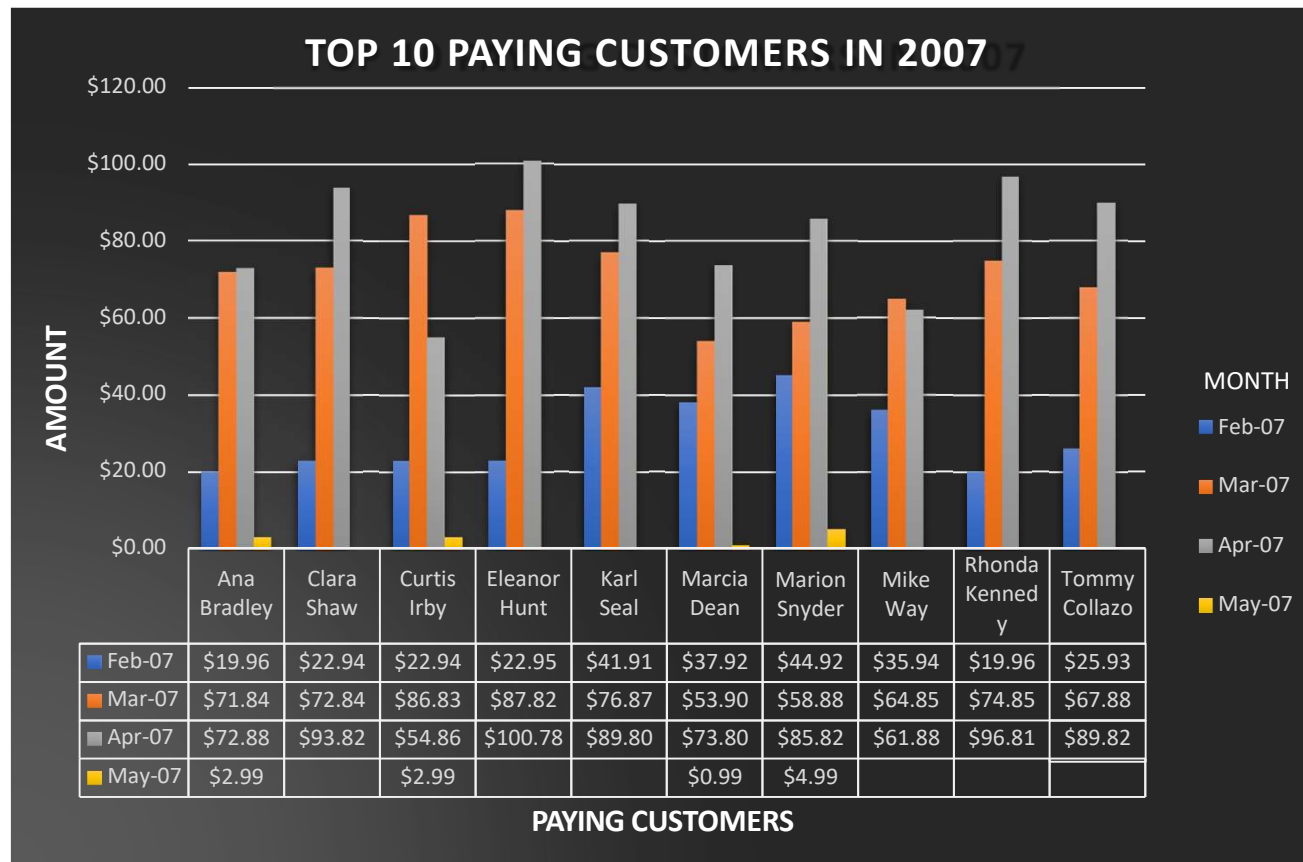


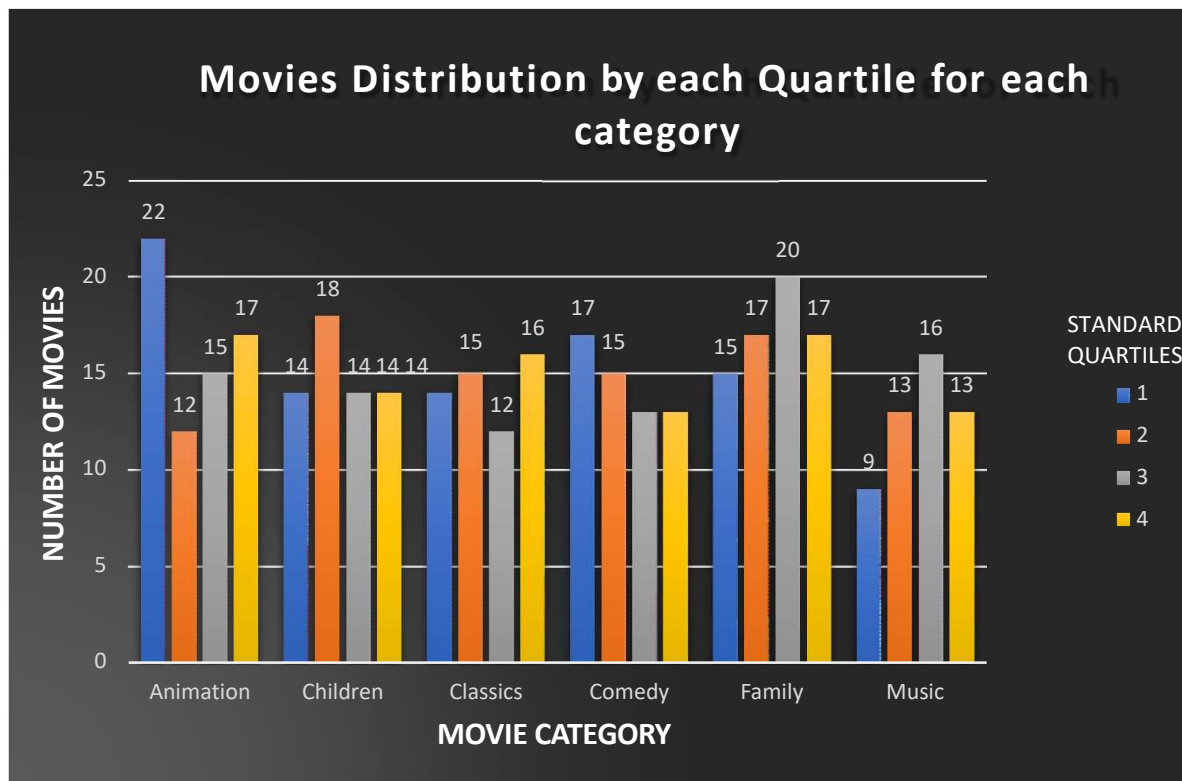
Who were the top 10 paying customers and what was the amount of the monthly payments they made in 2007 ?



The plot is showing the top 10 paying customers in 2007 in order of their names with the amount of the monthly payments they made in 2007.

As we can see here, that Eleanor Hunt has made the top monthly payment of \$100 in April 2007.

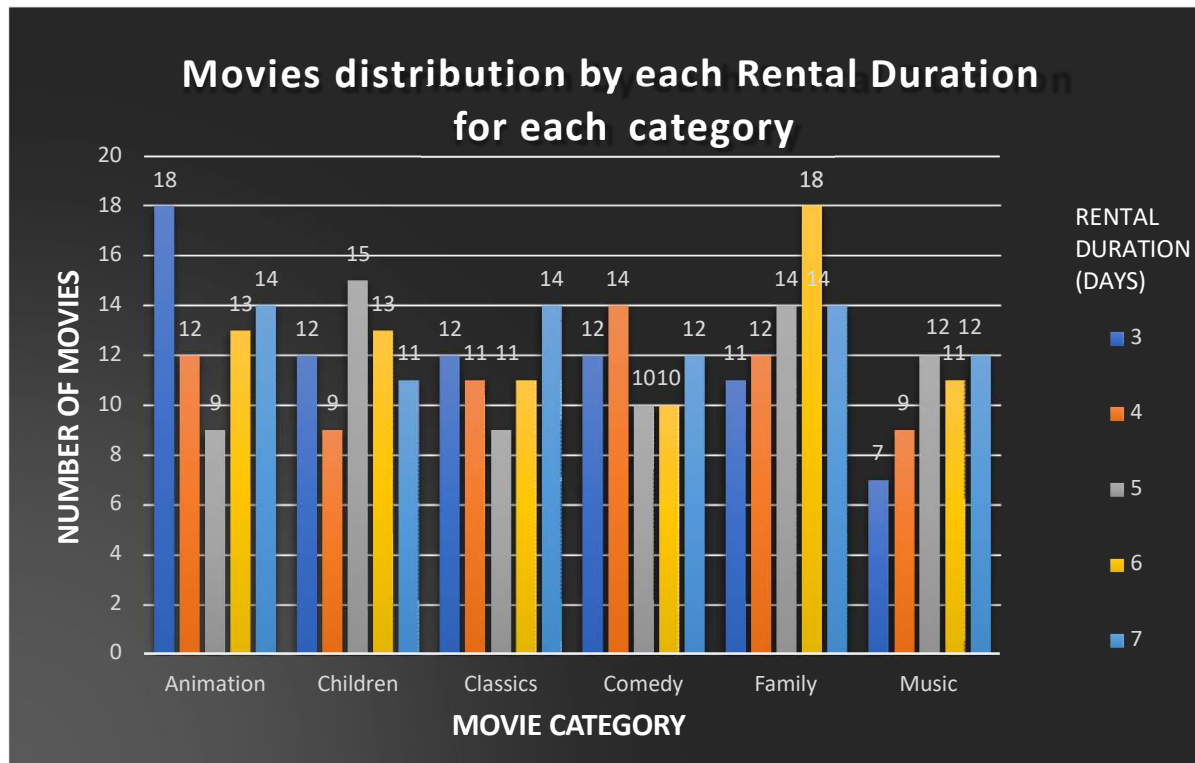
How can we compare the number of movies in each quartile for each category of family movies if we sort all movies according to the rental duration in ascending order of duration?



*The plot here shows the distribution of movies by each quartile for each category of family movies when within the database all movies were sorted according to the rental duration in ascending order of duration.*

*Here, if we see the 'Animation' category, we can clearly tell that it has the highest number of movies in the first quartile in its own category and among all other categories. Within the category, there are 17 movies in the fourth quartile on the second place followed by number of movies in the third and fourth quartile. Similarly, we can do comparison for other categories.*

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?

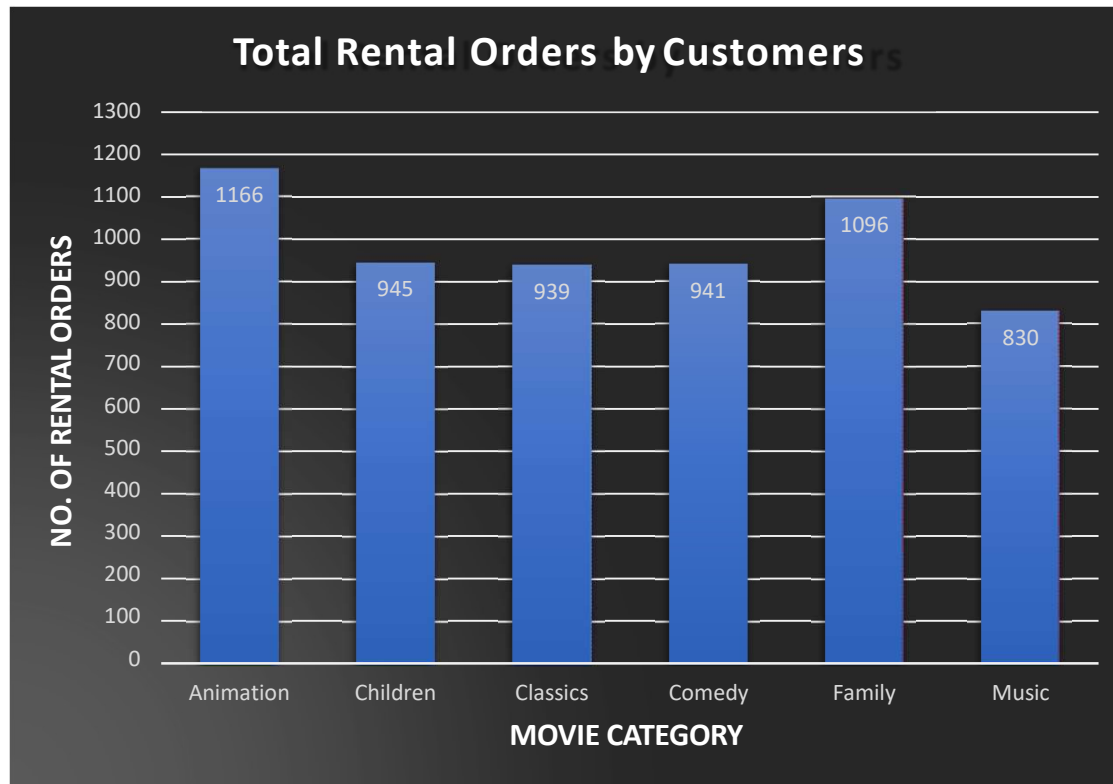


*The plot here shows the distribution of movies by each rental duration for each category of the family movies.*

*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.*

*Similarly, we can compare 'Family' movies duration with other categories.*

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



*The plot is showing the rental orders for each category of family movies till now.*

*It is evident from the data that families are most likely to 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.*

## REFERENCES

*Here is the information regarding the code/query references of the visualizations and insights mentioned in the above slides:*

1. *Slide 1 : Query1 – Sudhanshu\_Investigate\_Relational\_Database.txt*
2. *Slide 2 : Query2– Sudhanshu\_Investigate\_Relational\_Database.txt*
3. *Slide 3 : Query3– Sudhanshu\_Investigate\_Relational\_Database.txt*
4. *Slide 4 : Query4– Sudhanshu\_Investigate\_Relational\_Database.txt*