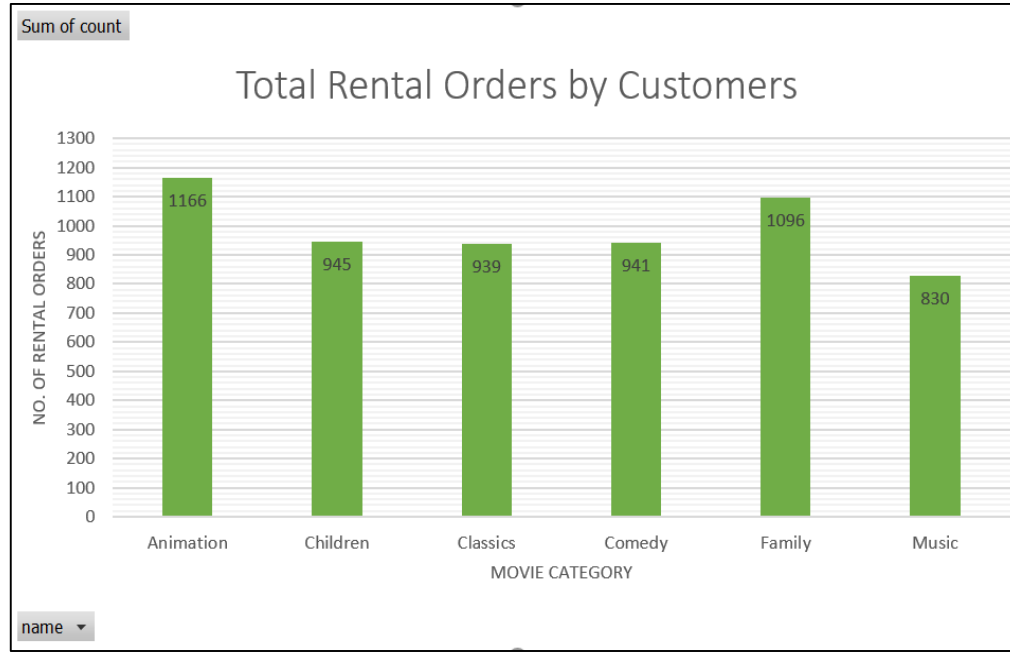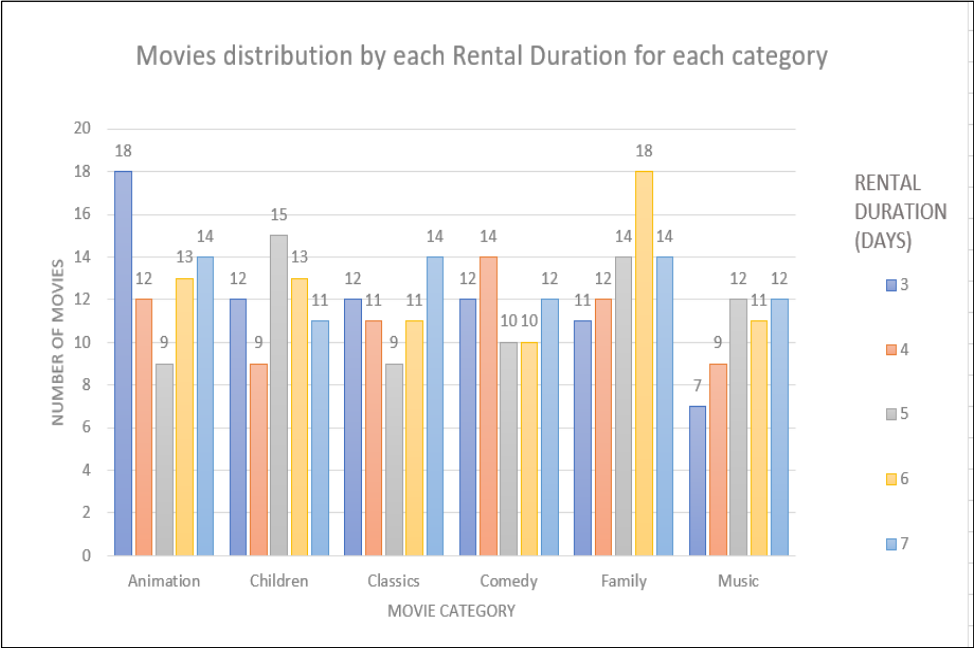# Question 1

What is the most category of movies that families are tended to rent. Considering family movies: Animation, Children, Classics, Comedy, Family and Music.

Sum of count

Total Rental Orders by Customers

Movie Category	No. of Rental Orders
Animation	1166
Children	945
Classics	939
Comedy	941
Family	1096
Music	830

name

Based on the rental orders graph, Most families tend to rent movies in the Animation category followed by the Family category. On the other hand, the graph showed a decreased number of Music movies. While movies in the Children, Classics, and Comedy categories are mostly similar.

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Question 2
What is the most rental duration movie across categories?

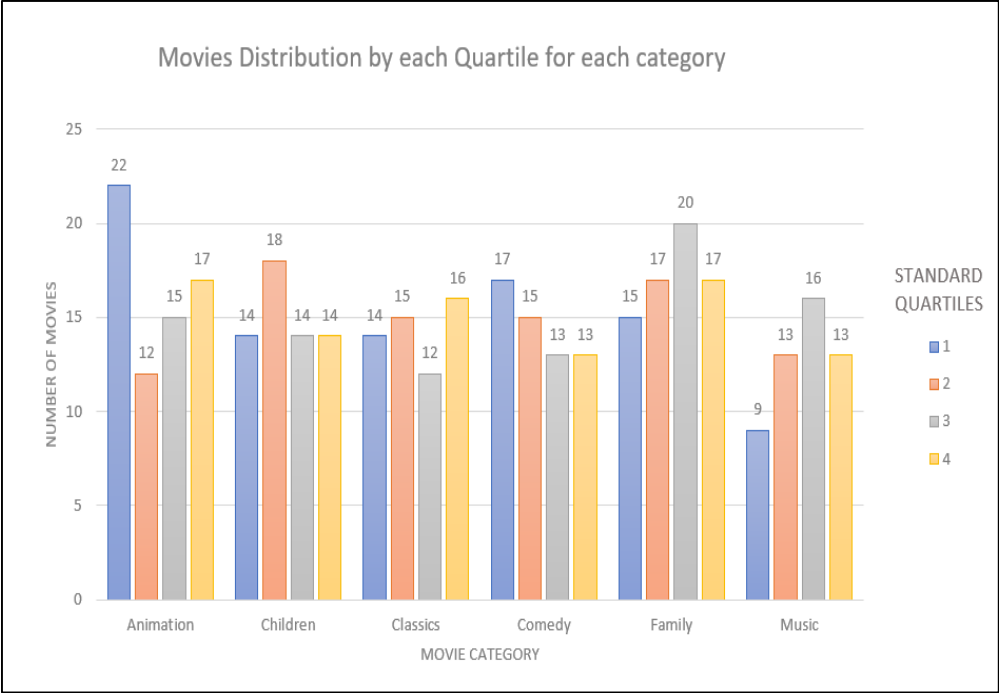Movies distribution by each Rental Duration for each category

The graph shows the distribution of movies by rental duration in Days for each category of family movies .

Overall, the Animation category has the highest number of movies rented in 7 days followed by the Family category .Where ,Music category showed the least rental duration.

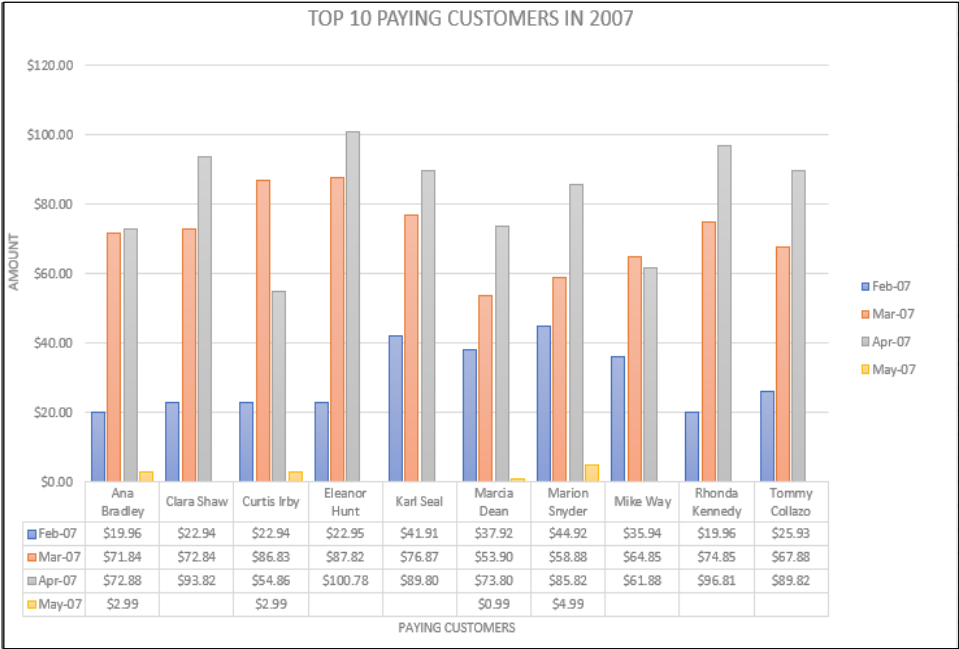Bushra Aljohani 2022

Question 3
Comparison between Movies rented by quartile and number of rentals.

Movies Distribution by each Quartile for each category

The graph shows the distribution of movies by each quartile for each category of family movies. In the first quartile, the Animation category has increased the number of movies .However Music category is the least.Now in the second quartile, the Children category raised with 18 movies while the Animation category has decreased to 12 movies.The family category showed a sharp increase in the third quartile and on the other hand Classics showed a drop number of movies. Finally, in the fourth quartile, Animation and Family has the highest numbers of movies, while other categories have similar numbers.

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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
Feb-07	$19.96	$22.94	$22.94	$22.95	$41.91	$37.92	$44.92	$35.94	$19.96	$25.93
Mar-07	$71.84	$72.84	$86.83	$87.82	$76.87	$53.90	$58.88	$64.85	$74.85	$67.88
Apr-07	$72.88	$93.82	$54.86	$100.78	$89.80	$73.80	$85.82	$61.88	$96.81	$89.82
May-07	$2.99		$2.99			$0.99	$4.99			

The graph shows the top 10 paying customers in 2007 with their names and the amount of monthly payments made in 2007. Eleanor Hunt made the top monthly payment of $100 in April 2007. While Marcia Dean has the least monthly payment in May with 0.99$.

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References

All SQL Queries used to create the pervious insights are in the file Name :

SQL_Query_Project.txt

Thank You