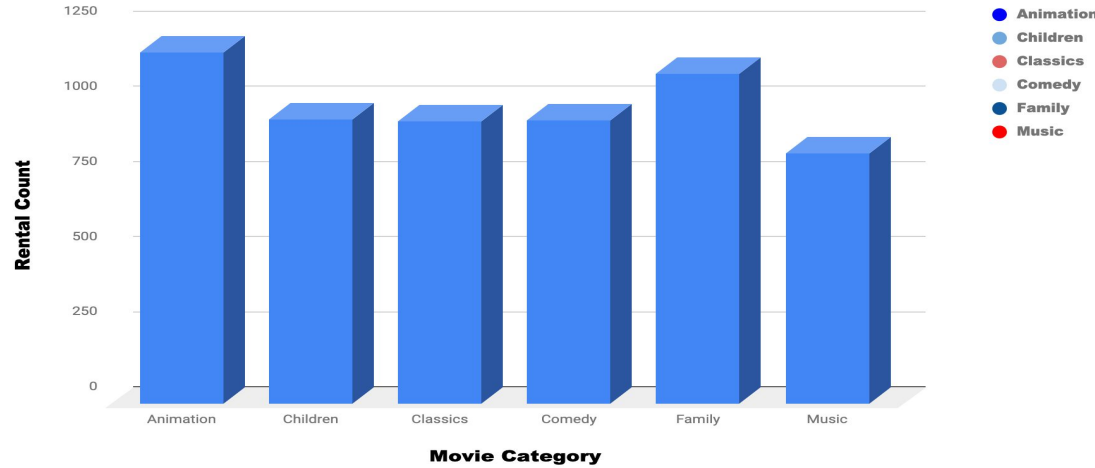
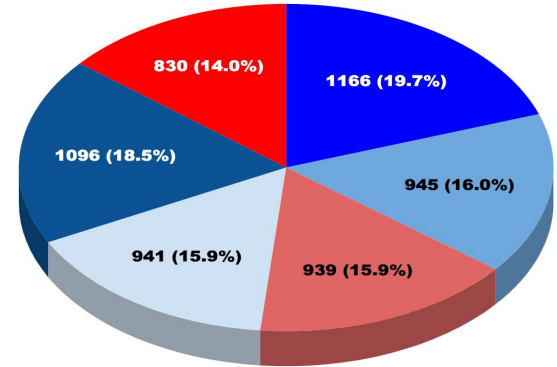


How Many Times were the Family Movies Rented Out?

Rental Count for Family Movies



Rental Count for Family Movies

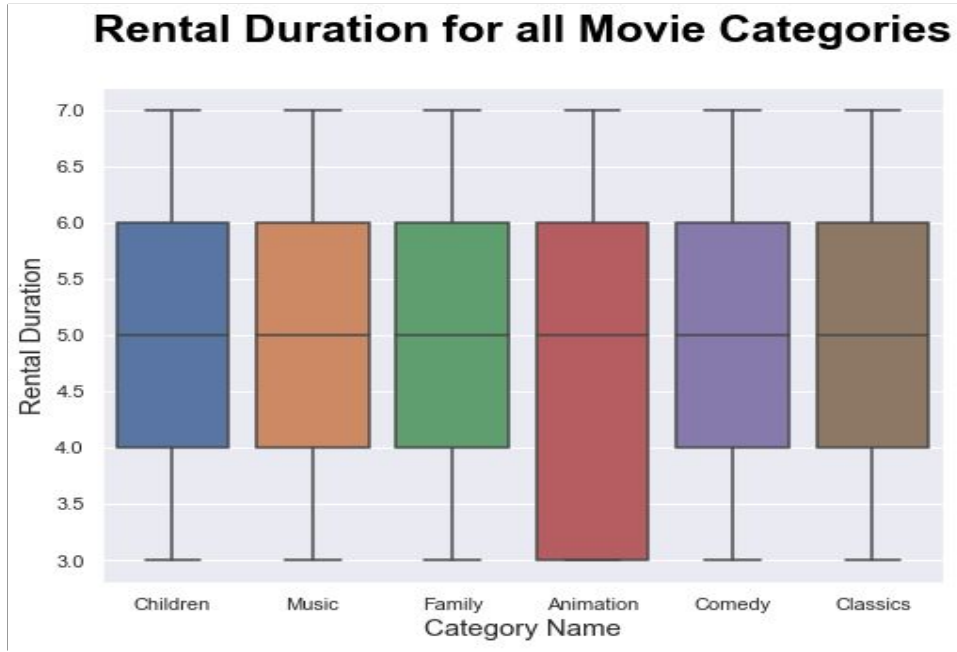


name	total_rentals
Animation	1166
Children	945
Classics	939
Comedy	941
Family	1096
Music	830

To generate the above visualization on an excel spreadsheet, a 3D stacked column chart and Pie chart which plots the count of times the family category movies were rented out was used.

From the plot, we can see that the total rental count for the 'Animation' category was 1166. Which means that movies within this category were rented 1166 times.

What are the Rental Durations of the Family Friendly Movies Based on the Quartiles of Rental Duration?

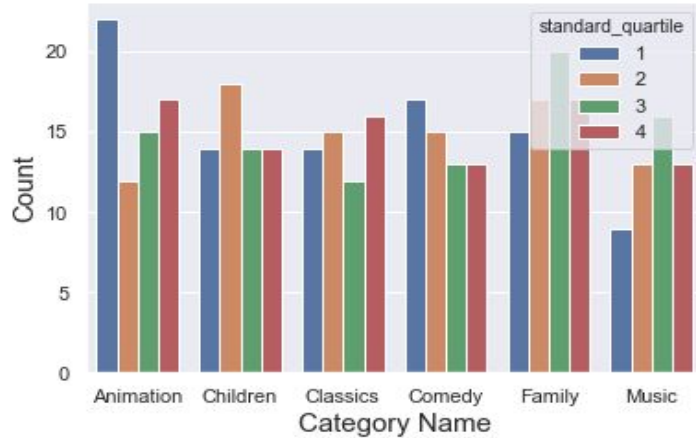


This plot shows the length of family friendly movies based on the quartiles of the rental duration using seaborn boxplot.

From the above plot, it is shown that 25% of the children film category are rented for the duration of 4 days with the median(50%) rental duration being 5 days.

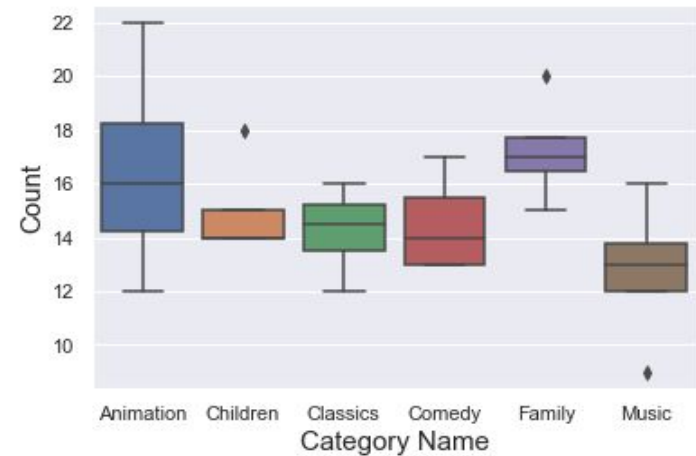
What are the corresponding count of movies within the family category for each corresponding rental duration?

Rental duration for family friendly movies



Year: 2005

Rental duration for family friendly movies

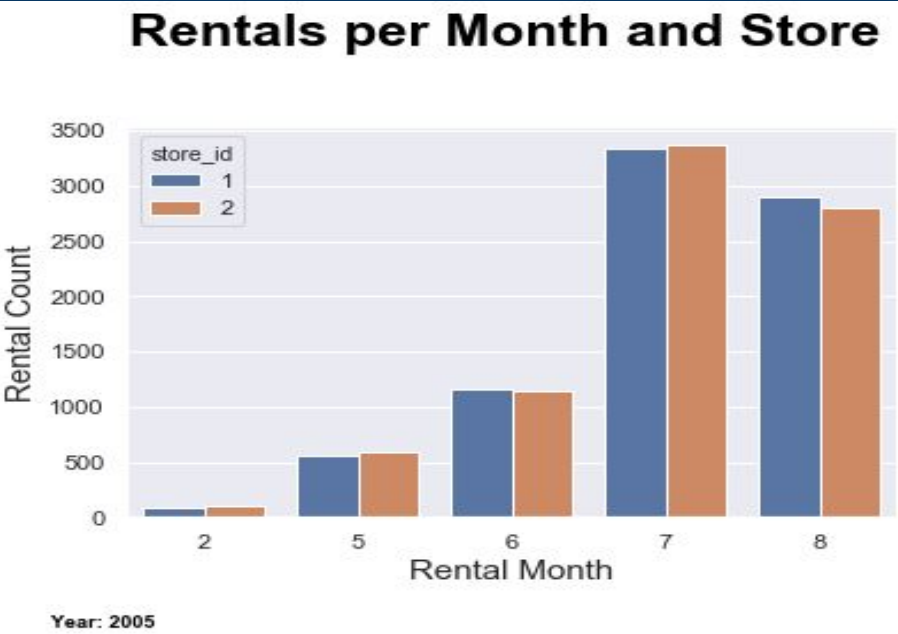


Year: 2005

The visualization above(right) shows the corresponding count of rental duration quartiles using seaborn boxplot. Where the count of animation movies with rental duration in the first quartile is 22.

What is the Count of Rental Orders for the Two Stores During Every Month for all the Years of Data Available?

Year	Rental Month	Store ID	Rental count
2005	-	-	
2005	-	2	1
2005	-	-	2
2005	-	5	1
2005	-	-	2
2005	-	6	1
2005	-	-	2
2005	-	7	1
2005	-	-	2
2005	-	8	1
2005	-	-	2



The first table can be produced using excel pivot table and conditional formatting(Heatmap).

>>Both visualization show the rental count of all movies grouped by the month, stores 1 and 2 for all years we have data for(2005)