Compare the number of times different categories of family movies have been rented out?

Family Movies Rented By Category
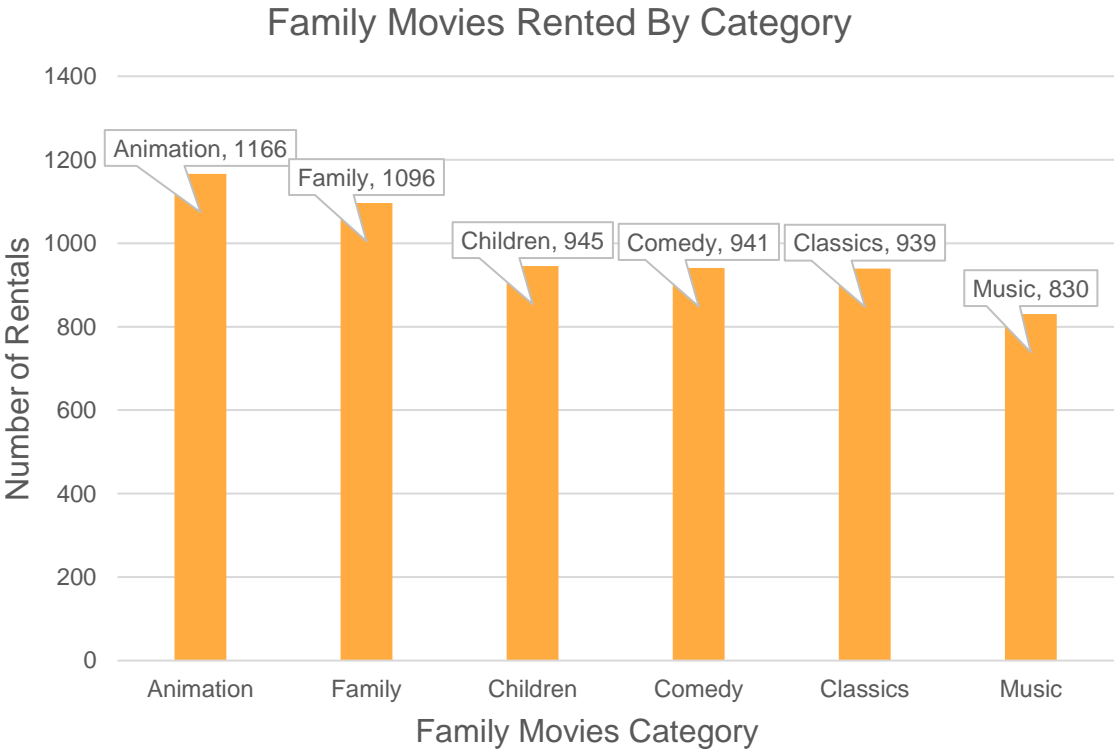
We can see from the bar graph that, the **most** number of family movies have been rented out in the **Animation** category (**1166**), and the **least** amount of family movies have been rented out in **Music** category (**830**).

Query – Q1

Divide the various categories of family movies into 4 levels based on the quartiles (25%, 50%, 75%) of the rental duration

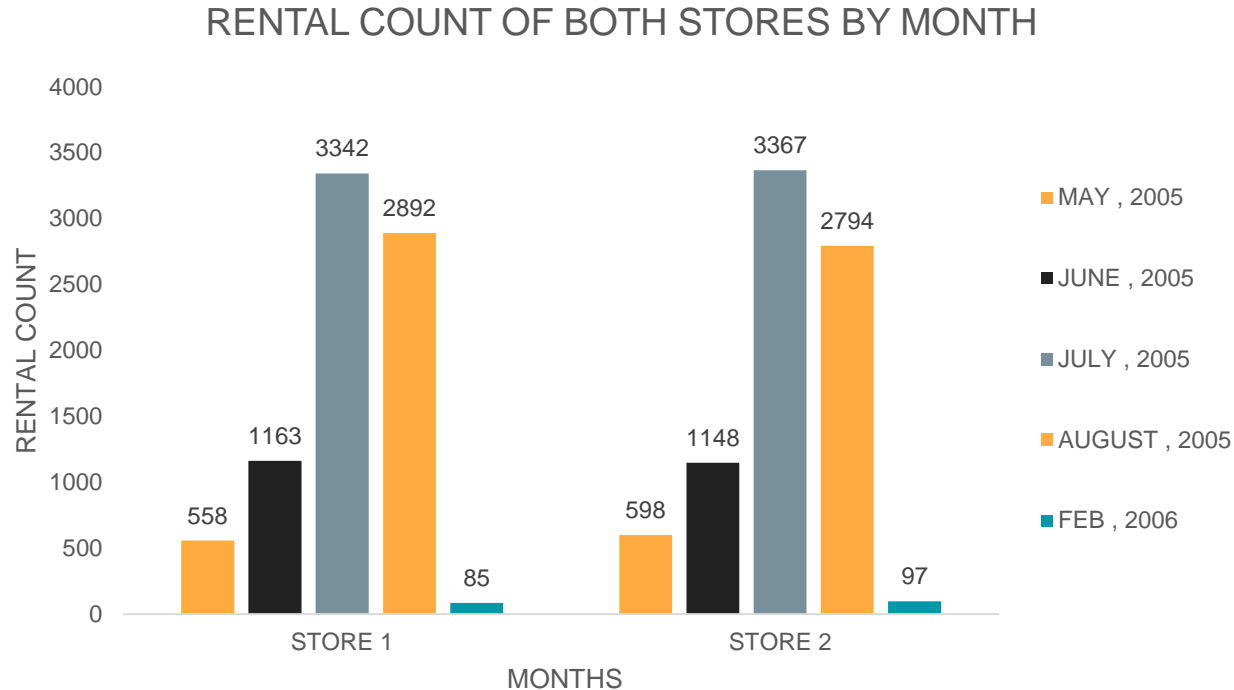## BOX PLOT OF RENTAL DURATIONS FOR FAMILY MOVIES CATEGORY
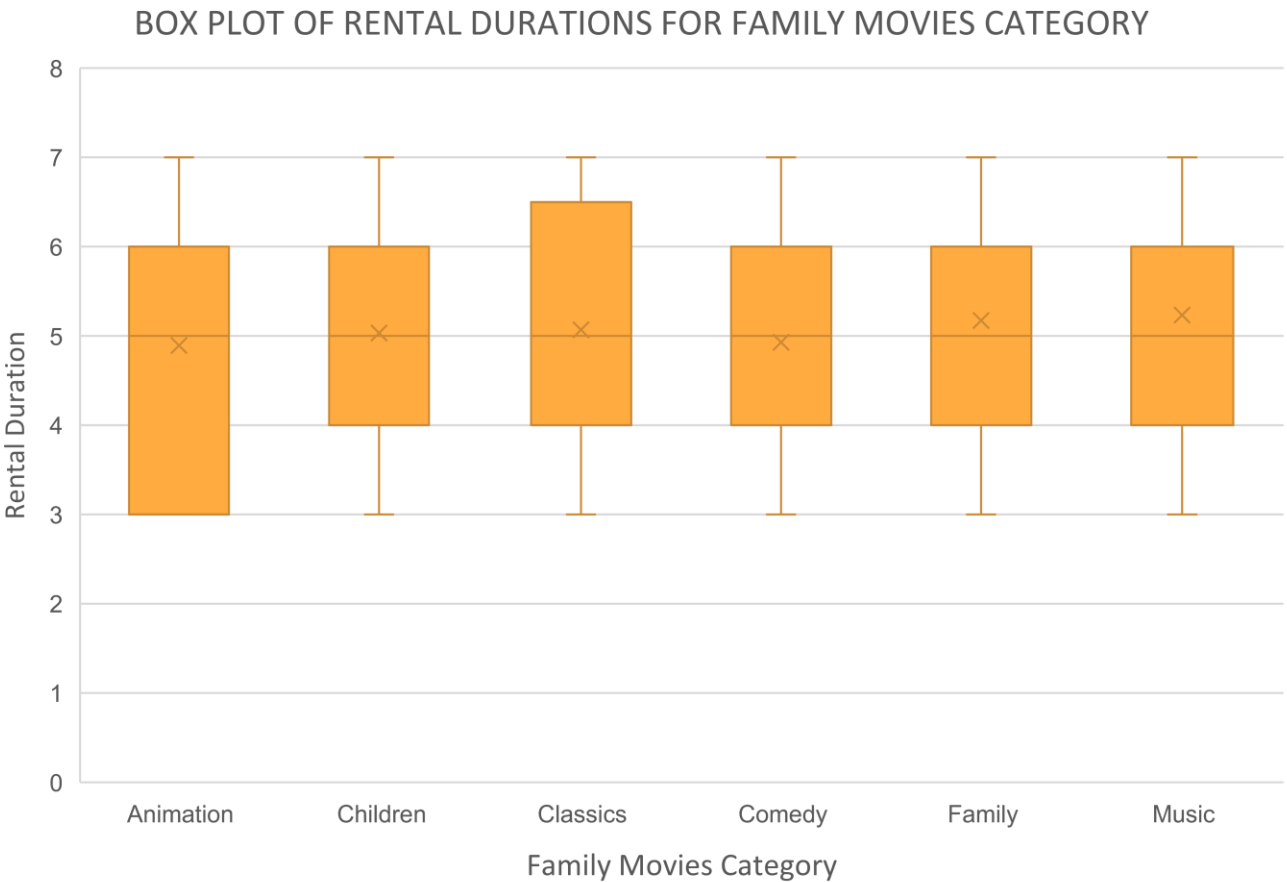
We can see the Comedy, Family Music , Children categories have a box plot which is close to Uniform distribution

The Animation box plot is skewed towards left , which means spread of data points is more towards left as compared to right. The Classics box plot is skewed towards right , which means spread of data points is more towards right as compared to left.

The Median for all the box plots is 5, the mean is also close enough to 5 which means it is close enough to symmetric.

Query – Q2

What were the total amount of rental orders for both the stores , during every month for all the years we have data for ?

RENTAL COUNT OF BOTH STORES BY MONTH

Legend:
- MAY , 2005
- JUNE , 2005
- JULY , 2005
- AUGUST , 2005
- FEB , 2006

STORE 1 values: 558, 1163, 3342, 2892, 85
STORE 2 values: 598, 1148, 3367, 2794, 97

X-axis: MONTHS
Y-axis: RENTAL COUNT

The monthly rental count for store 1 and store 2 has been visualized.

TOTAL RENTAL COUNT

STORE 1 = **8040**

STORE 2 = **8004**

Query Q3

What were the total amount paid per month during 2007 by the top 10 paying customers?

Customer Name	2007-02-01	2007-03-01	2007-04-01	2007-05-01	Total amount paid by each customer
Mike Way	35.94	64.85	61.88		$162.67
Marcia Dean	37.92	53.9	73.8	0.99	$166.61
Curtis Irby	22.94	86.83	54.86	2.99	$167.62
Ana Bradley	19.96	71.84	72.88	2.99	$167.67
Tommy Collazo	25.93	67.88	89.82		$183.63
Clara Shaw	22.94	72.84	93.82		$189.6
Rhonda Kennedy	19.96	74.85	96.81		$191.62
Marion Snyder	44.92	58.88	85.82	4.99	$194.61
Karl Seal	41.91	76.87	89.8		$208.58
Eleanor Hunt	22.95	87.82	100.78		$211.55
Grand Total of Monthly payments by all the customers	$295.37	$716.56	$820.27	$11.96	$1844.16

The pivot table generated in excel shows the amount paid by the top 10 customers, monthly during the year 2007.

The highest amount for all the months was paid by Eleanor Hunt which was **$211.55** and the lowest was Mike Way with **$162.67**

QUERY Q4