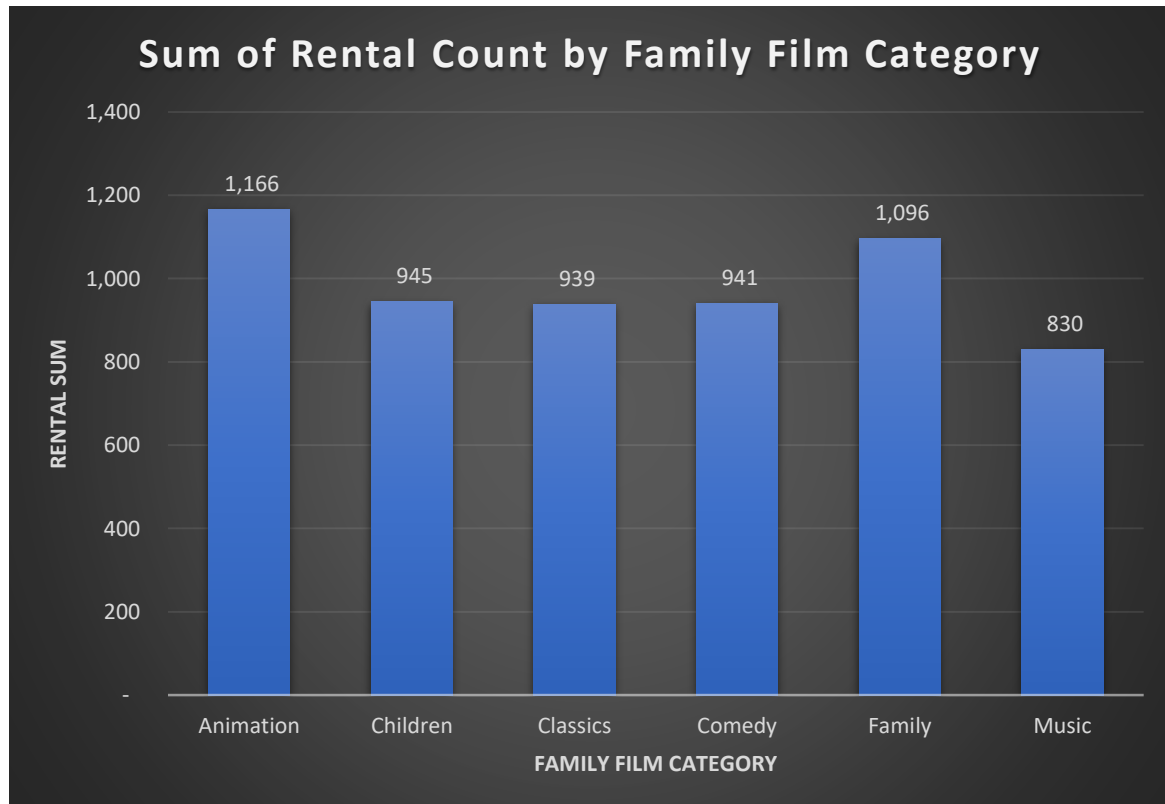# Udacity SQL Project

Dan Hawkins

Question 1 – What can we discover about family movie category trends?

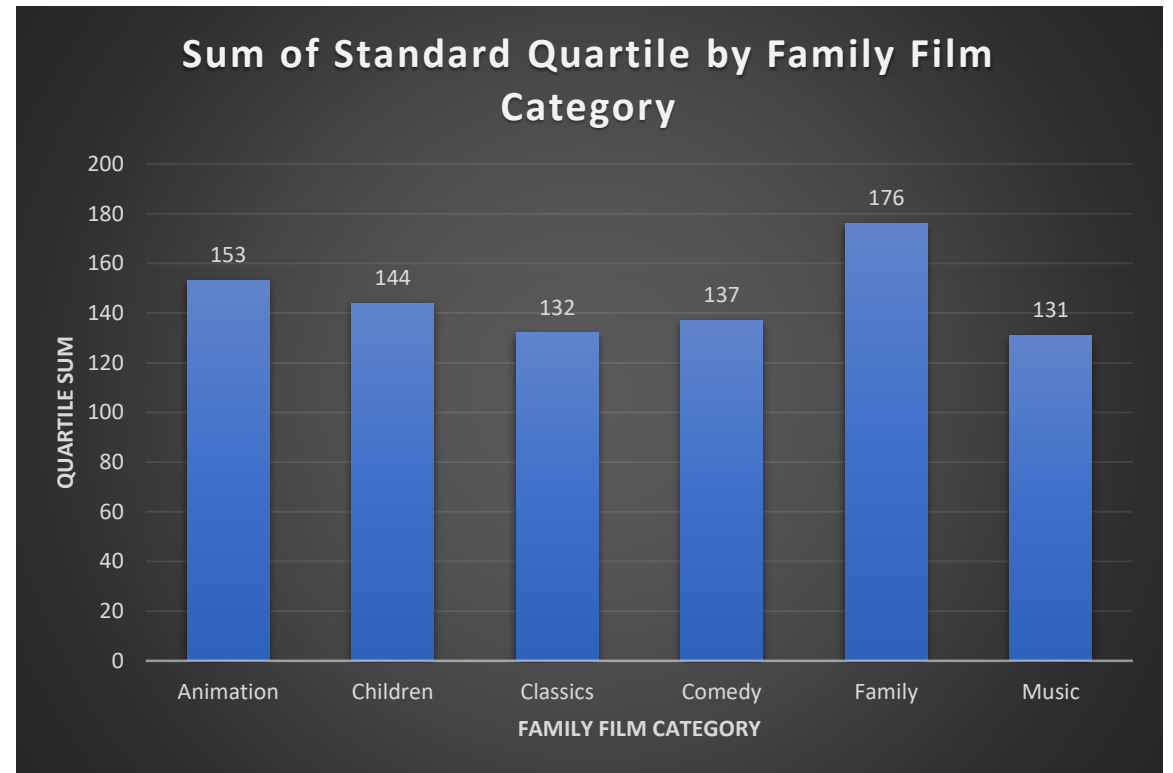
Family Film Categories	
Film Category	Rental Count
Animation	1,166
Children	945
Classics	939
Comedy	941
Family	1,096
Music	830

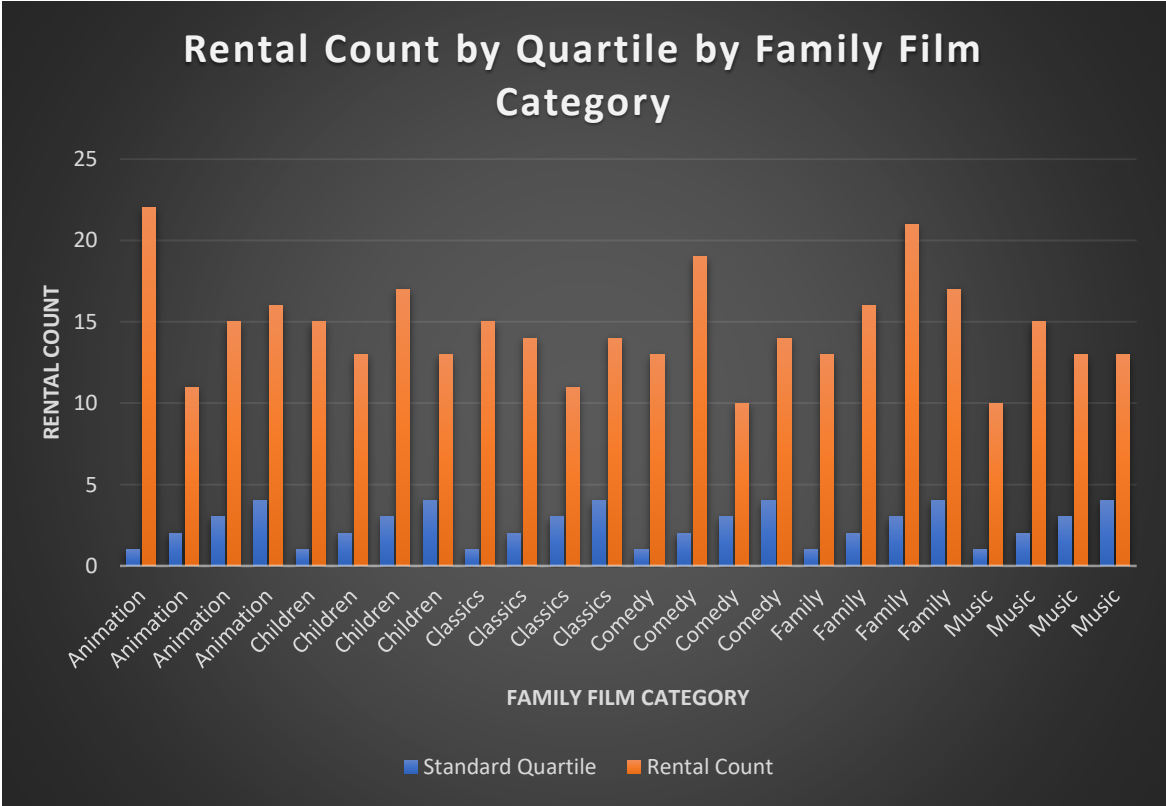We see that the top two most popular film family category rentals are Animation and Family.

Question 2 – Can we discern if there is a connection rental counts and rental duration?

If we look at the sum of the quartiles, 1 for a short rental period, 4 for a long rental period, we can see which category has a larger amount of longer rental durations. Family Films clearly have the longest rental periods.

Film Category by Sum Standard Quartile	
Film Category	Sum of Standard Quartile
Family	176
Animation	153
Children	144
Comedy	137
Classics	132
Music	131

Sum of Standard Quartile by Family Film Category

Question 3 – What are the counts by quartile by family film category?

Rental Count by Quartile by Family Film Category

When looking at the rental counts by quartile for each film category, we cannot make any strong connection between film length and rental count.

Film Category by Film Length Rental Counts Part 1		
Film Category	Standard Quartile	Rental Count
Animation	1	22
Animation	2	11
Animation	3	15
Animation	4	16
Children	1	15
Children	2	13
Children	3	17
Children	4	13
Classics	1	15
Classics	2	14
Classics	3	11
Classics	4	14

Film Category by Film Length Rental Counts Part 2		
Film Category	Standard Quartile	Rental Count
Comedy	1	13
Comedy	2	19
Comedy	3	10
Comedy	4	14
Family	1	13
Family	2	16
Family	3	21
Family	4	17
Music	1	10
Music	2	15
Music	3	13
Music	4	13

Question 4 – Which countries rent the most movies?

Top Ten Rental Count by Country	
Country Name	**Rental Count**
India	1,572
China	1,426
United States	968
Japan	825
Mexico	796
Brazil	748
Russian Federation	713
Philippines	568
Turkey	388
Indonesia	367

Rental Counts by Country

We wanted to see what were the top countries in the world based on rental counts and found those top three countries are India, China, and the United States.