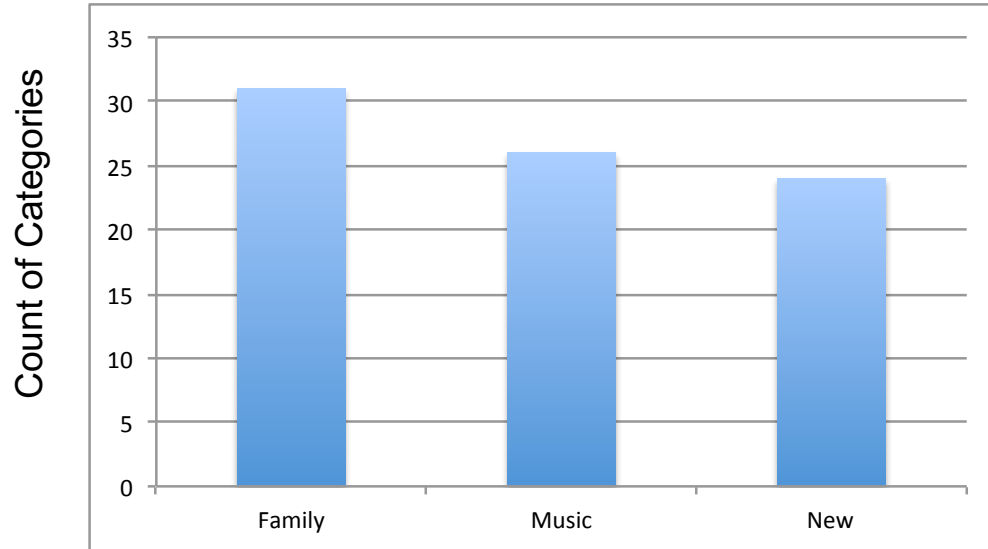


Q1: What are the categories of the the three most frequently rented movie titles that begin with the letter 'A'?

Category Count for Films Beginning with 'A'

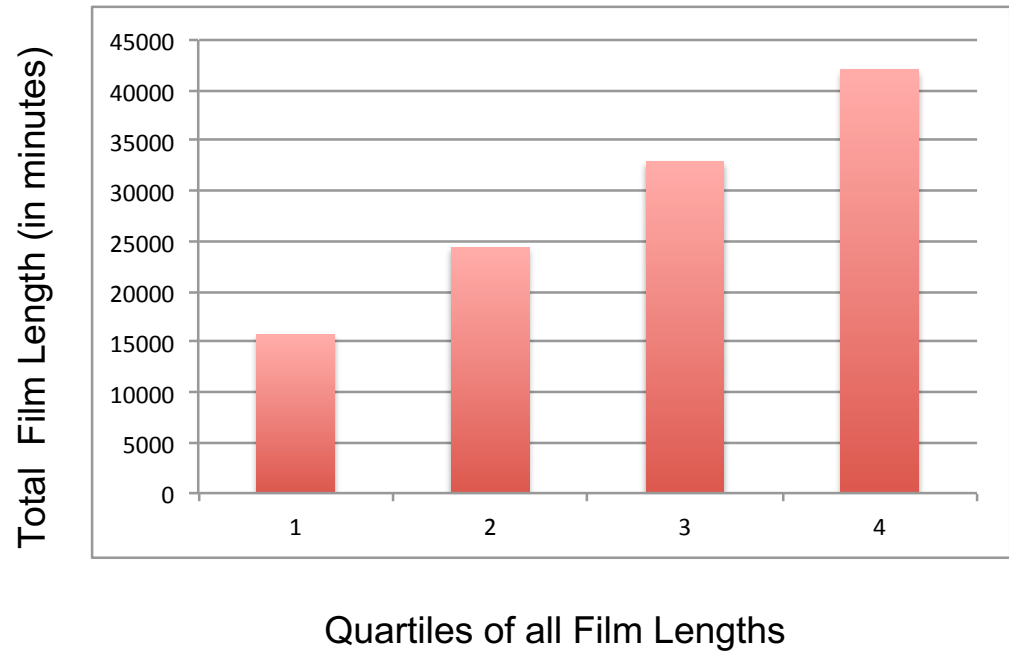


Out of the rented movie titles that begin with 'A', we can see that the Family, Music, and New categories are the three most frequently rented categories in our database.

The Three Most Frequent Categories of Films Beginning with 'A'

Q2: Assign quartiles for each film's length. For each quartile, find the sum of all movie lengths and graph total minutes per quartile.

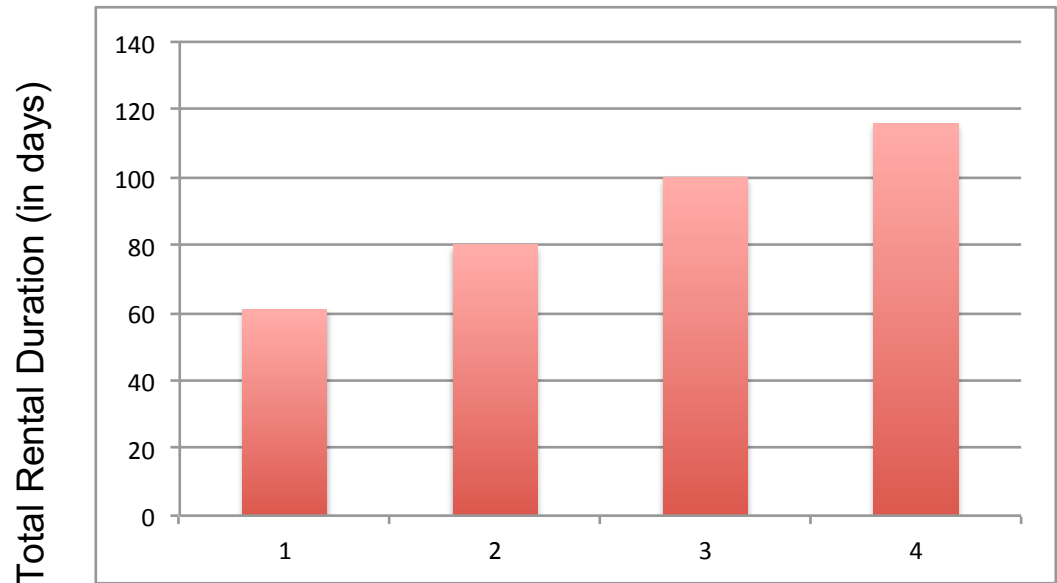
Sum of all Film Lengths by Quartile



Every film's length (in minutes) was assigned to either one out of four quartiles. This graph sums all movie lengths together in every quartile. The fourth quartile had a total of over 40,000 minutes while the first quartile had a total of about 15,000 minutes.

Q3: Sort all films in the 'Family category' by rental duration, and sort each of the films by quartile. For each quartile, sum rental durations and graph. How many total rental duration days are in each quartile?

Sum of Film Rental Durations by Quartile

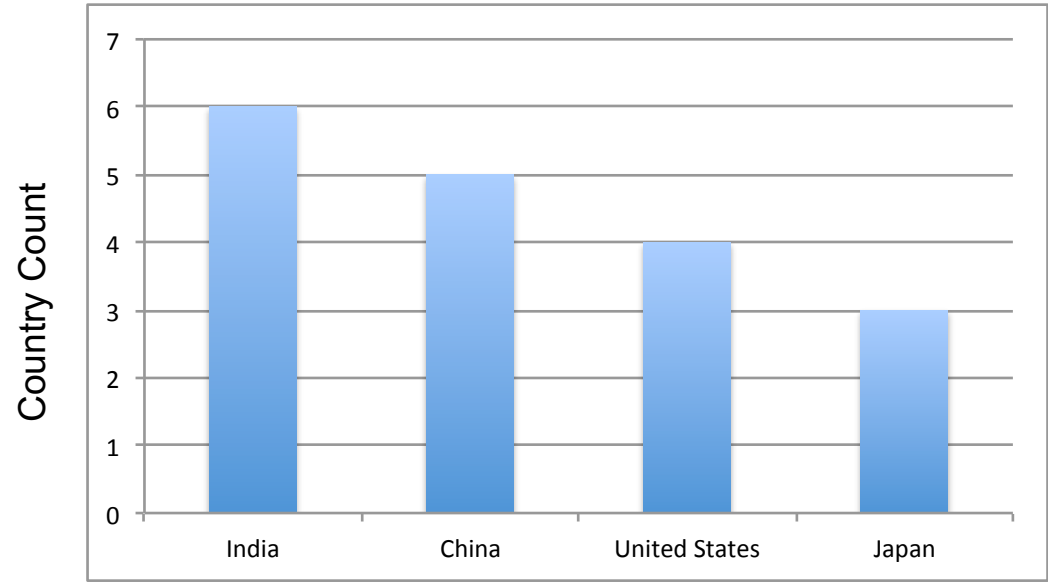


Quartiles of all Film Rental Durations

All films in the 'Family' category were isolated. Every film in that category was put into one out of four quartiles based on rental duration (in days). The fourth quartile had a total rental duration of under 120 days, the third quartile had a total rental duration of about 100 days, the second quartile had a total rental duration of about 80 days, and the first quartile had a total rental duration of about 60 days.

Q4: Take note of Sakila's first 50 customers (i.e the first 50 people to have successfully returned a rental) and each of their countries of residence. What are the top four countries, and which appeared the most?

Count of Frequent Countries amongst Sakila's First 50 Customers



A list of Sakila's first 50 customers to have successfully returned a rental was retrieved. Out of those customers, a frequency distribution for represented countries was created. This graph shows the top four represented countries., India appeared the most, at 6 counts.

Top Four Countries amongst Sakila's First 50 Customers