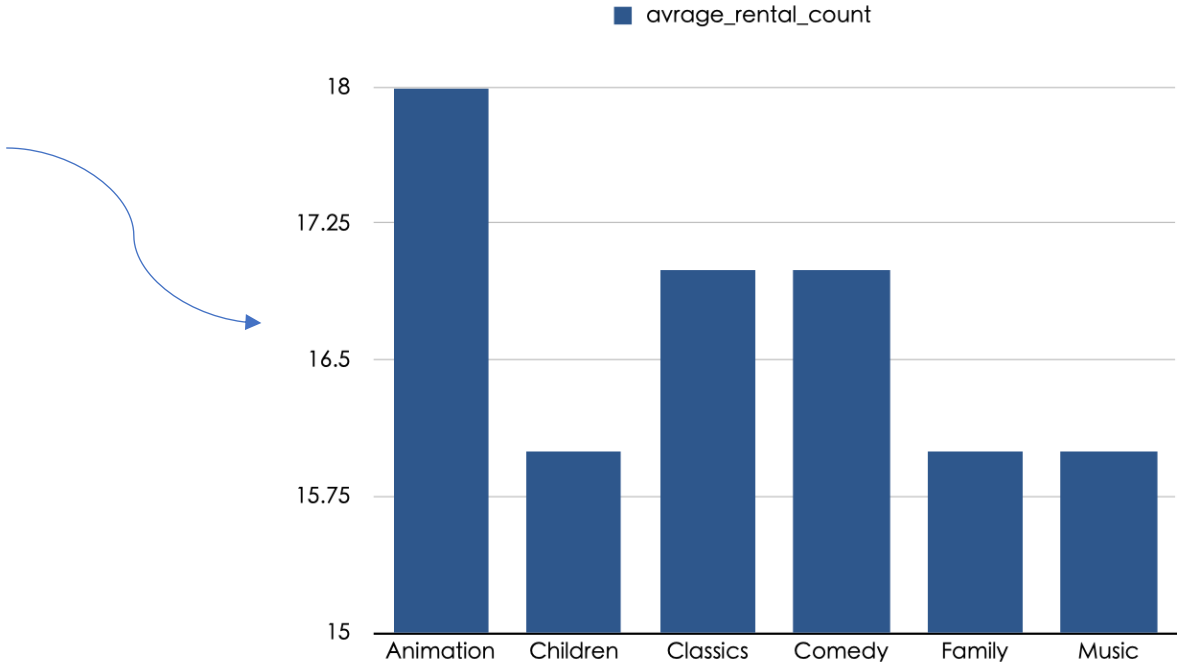


Question 1:

Create a query that lists each movie, the film category it is classified in, and the number of times it has been rented out.

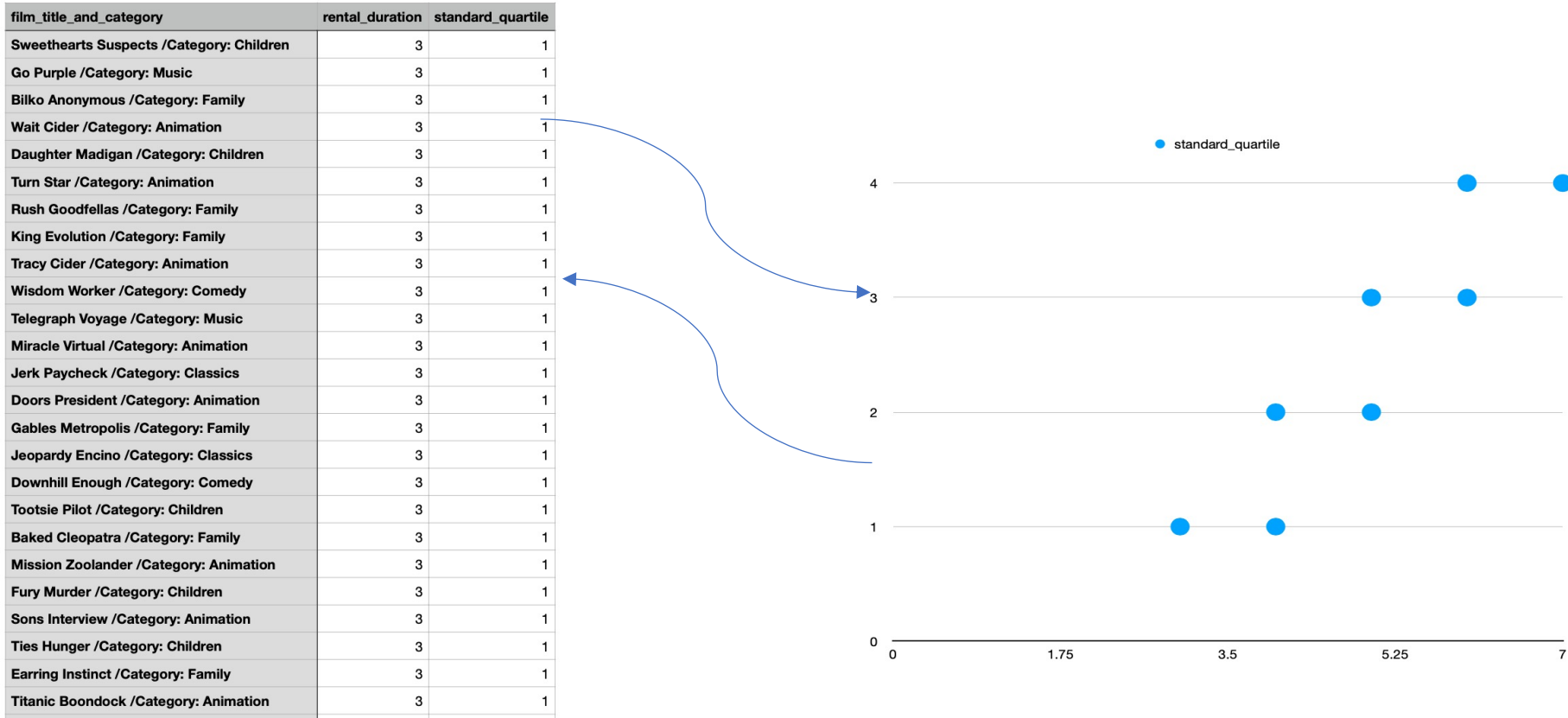
category_name	avrage_rental_count
Animation	18
Children	16
Classics	17
Comedy	17
Family	16
Music	16



Rental numbers for each category are pretty close, but animation movies rentals seem to be a bit higher than the rest. The rental numbers for the classic category and the comedy category come after animation and are almost equal, then come children, family and musical movies.

Question 2:

Can you provide a table with the movie titles and divide them into 4 levels (first_quarter, second_quarter, third_quarter, and final_quarter) based on the quartiles (25%, 50%, 75%) of the rental duration for movies across all categories? Make sure to also indicate the category that these family-friendly movies fall into.



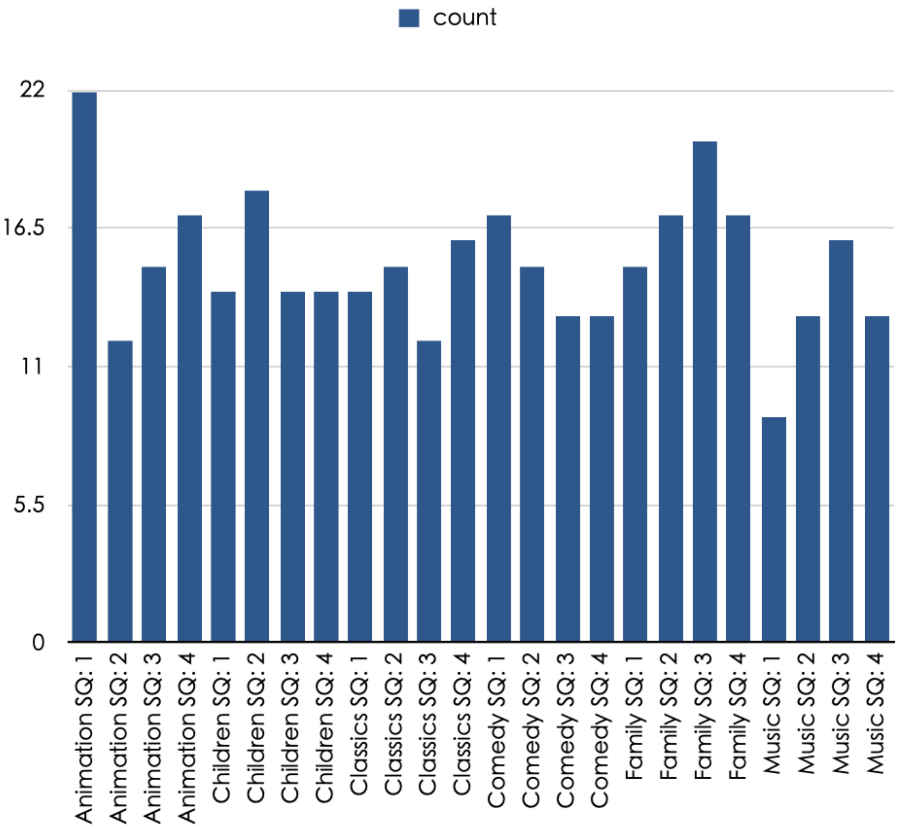
There is a clear direct relationship between rental duration and standard quartile.

Question 3:

provide a table with the family-friendly film category, each of the quartiles, and the corresponding count of movies within each combination of film category for each corresponding rental duration category. The resulting table should have three columns:

- Category
- Rental length category
- Count

category_name_and_quartile	count
Animation SQ: 1	22
Animation SQ: 2	12
Animation SQ: 3	15
Animation SQ: 4	17
Children SQ: 1	14
Children SQ: 2	18
Children SQ: 3	14
Children SQ: 4	14
Classics SQ: 1	14
Classics SQ: 2	15
Classics SQ: 3	12
Classics SQ: 4	16
Comedy SQ: 1	17
Comedy SQ: 2	15
Comedy SQ: 3	13
Comedy SQ: 4	13
Family SQ: 1	15
Family SQ: 2	17
Family SQ: 3	20
Family SQ: 4	17
Music SQ: 1	9
Music SQ: 2	13
Music SQ: 3	16
Music SQ: 4	13

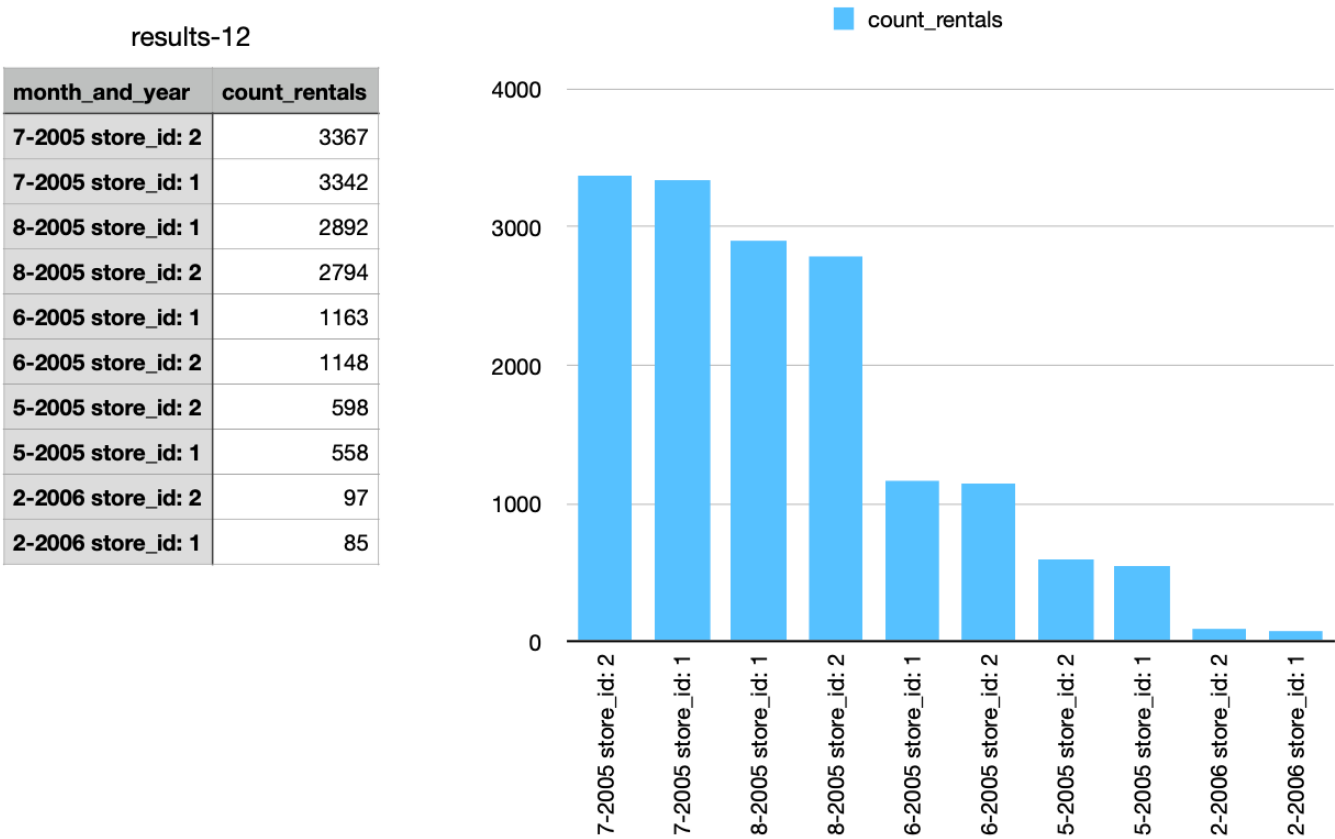


Some numbers in some categories look a little different in some quartiles but in general the numbers look close and normal

Question 4:

Write a query that returns the store ID for the store, the year and month and the number of rental orders each store has fulfilled for that month. Your table should include a column for each of the following combinations of month and year and store ID, including the number of rental orders for that month.

Sheet 1



The numbers are very close and there is no clear difference between the rental numbers of the first and second store