

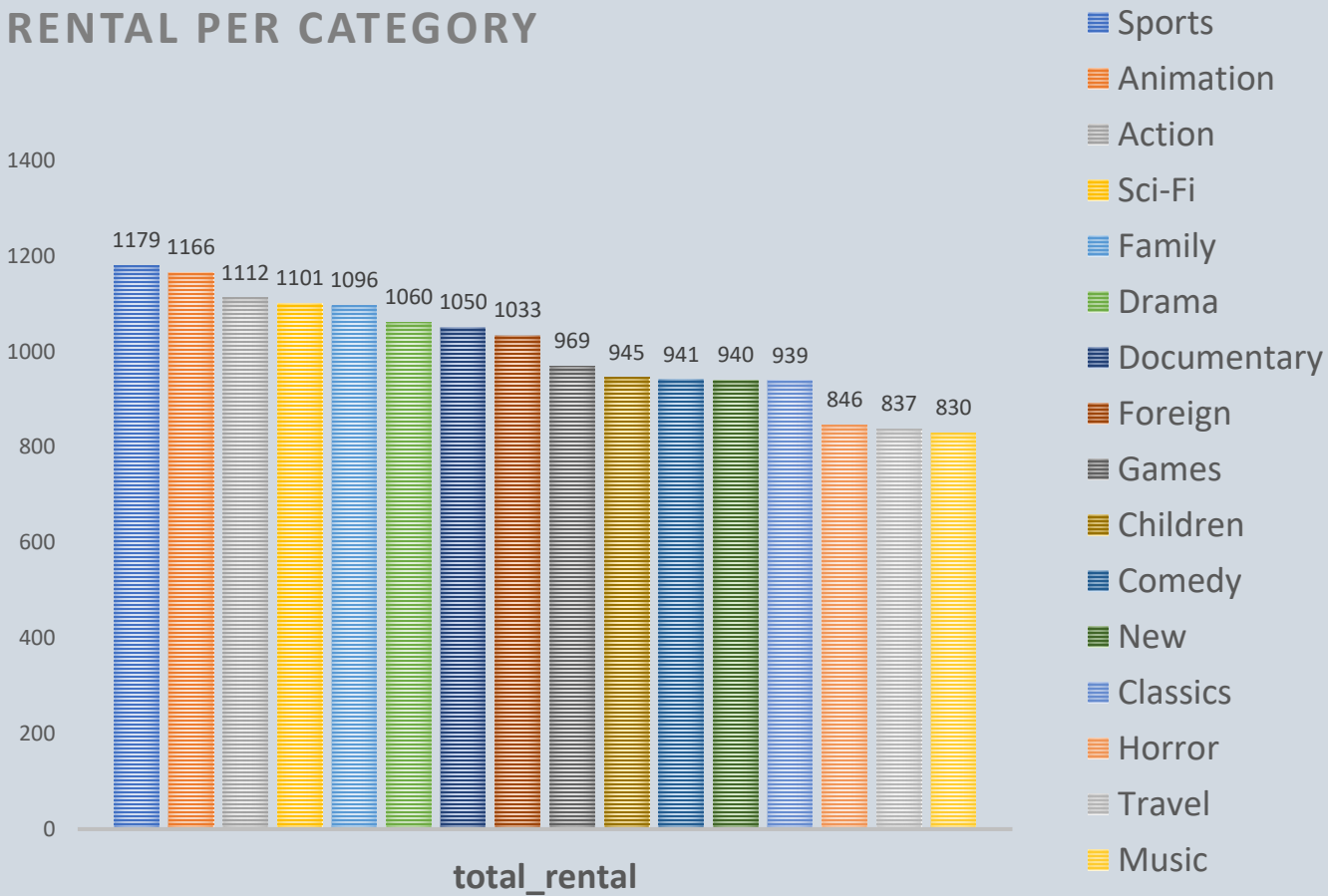


Sakila DVD Rental

IN THIS PROJECT, I WILL QUERY THE SAKILA DVD RENTAL DATABASE. THE SAKILA DATABASE HOLDS INFORMATION ABOUT A COMPANY THAT RENTS MOVIE DVDS. FOR THIS PROJECT, YOU WILL BE QUERYING THE DATABASE TO GAIN AN UNDERSTANDING OF THE CUSTOMER BASE

Q1: What are the total rental orders for each film category ?

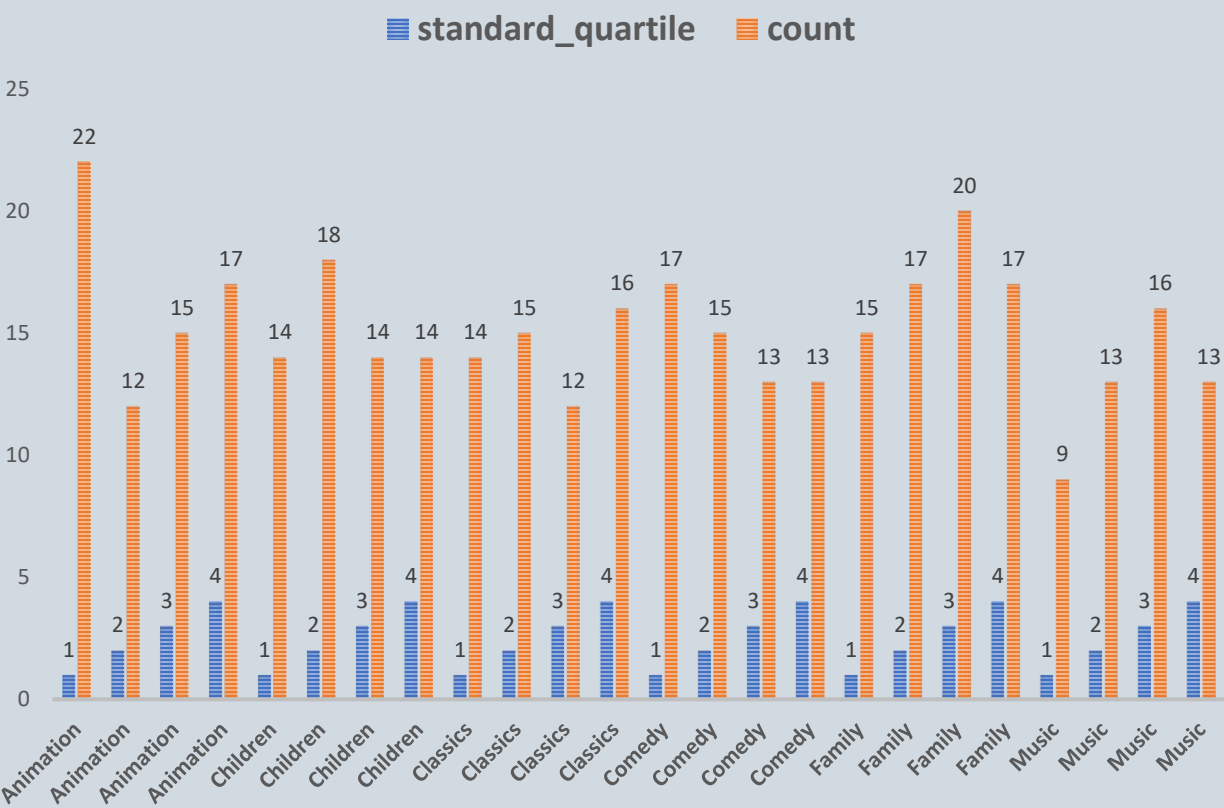
RENTAL PER CATEGORY



category	total_rental
Sports	1179
Animation	1166
Action	1112
Sci-Fi	1101
Family	1096
Drama	1060

The chart shows us that the sports films is the most rented, while the music films is the lowest

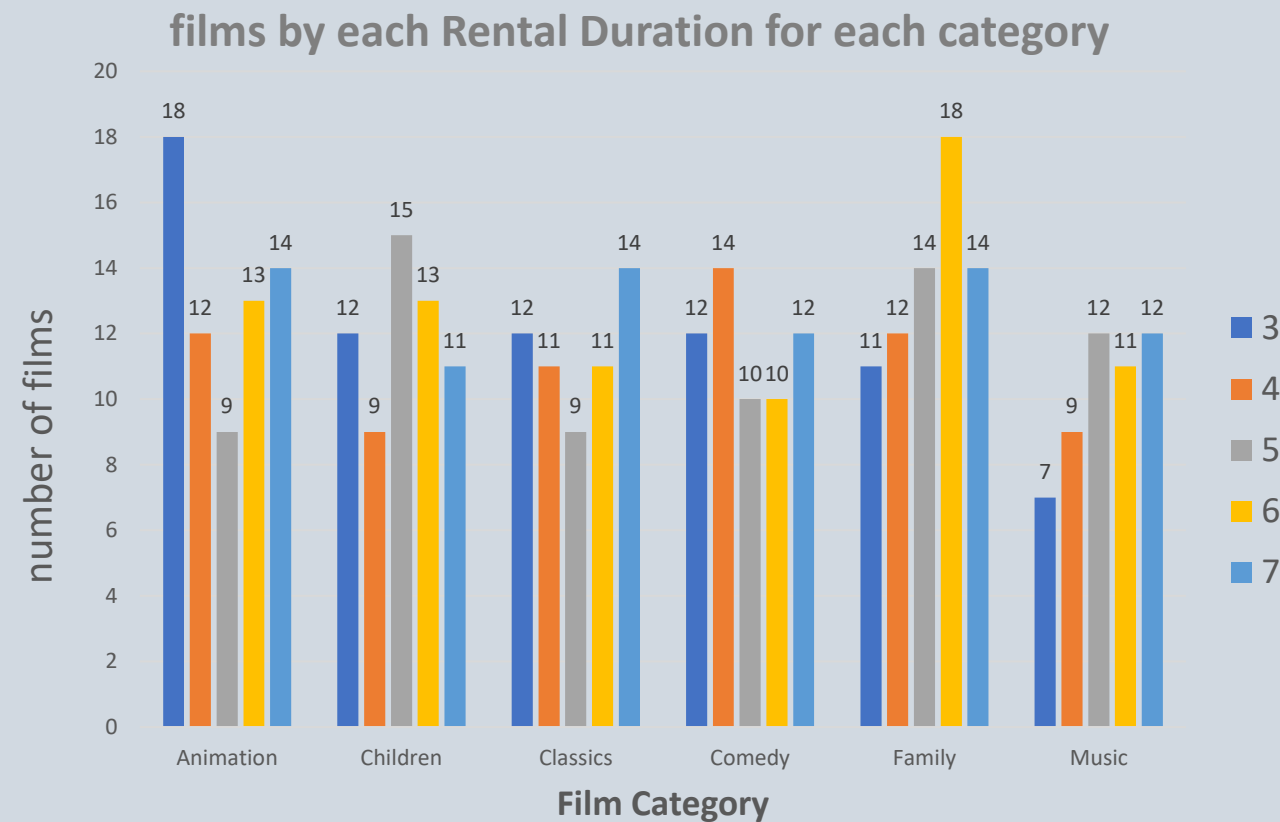
Q2: how the length of rental duration of these family-friendly movies compares to the duration that all movies are rented for?



title	name	rental_duration	standard_quartile
Titanic Boondock	Animation	3	1
Strictly Scarface	Comedy	3	1
Pure Runner	Comedy	3	1
Wisdom Worker	Comedy	3	1
Zorro Ark	Comedy	3	1
Lonely Elephant	Comedy	3	1

The chart shows us that the “Animation” category has the highest number of films in the first quartile

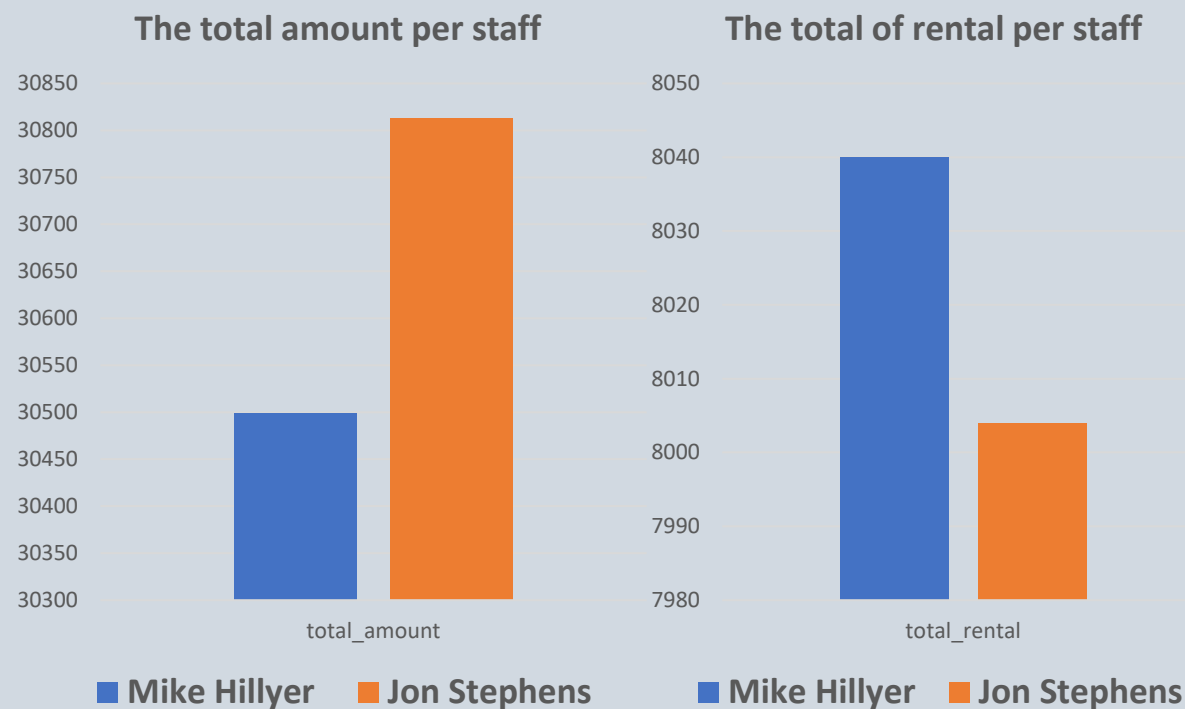
Q3: What the count of films within each combination of film category for each corresponding rental duration category?



name	standard_quartile	count
Animation	1	22
Animation	2	12
Animation	3	15
Animation	4	17
Children	1	14
Children	2	18

The chart shows us maximum number of films in the “Family” category are rented for 6 days the maximum number of films in the “Animation” are rented for 3 days.

Q4: How many films have been rented by each staff and what is the total amount ?



full_name	total_rental	total_amount
Mike Hillyer	8040	30498.71
Jon Stephens	8004	30813.33

The chart shows us that Jon Stephens has rented more films than John Hillyer while John had more total price

Conclusion

Q1 : contain a **JOIN, AGGREGATION**.

Q2 : contain a **JOIN, AGGREGATION, percentiles, Window functions, subqueries**.

Q3 : contain a **JOIN, AGGREGATION, percentiles, Window functions, subqueries**.

Q4 : contain a **JOIN, AGGREGATION, subqueries**

THANK YOU

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