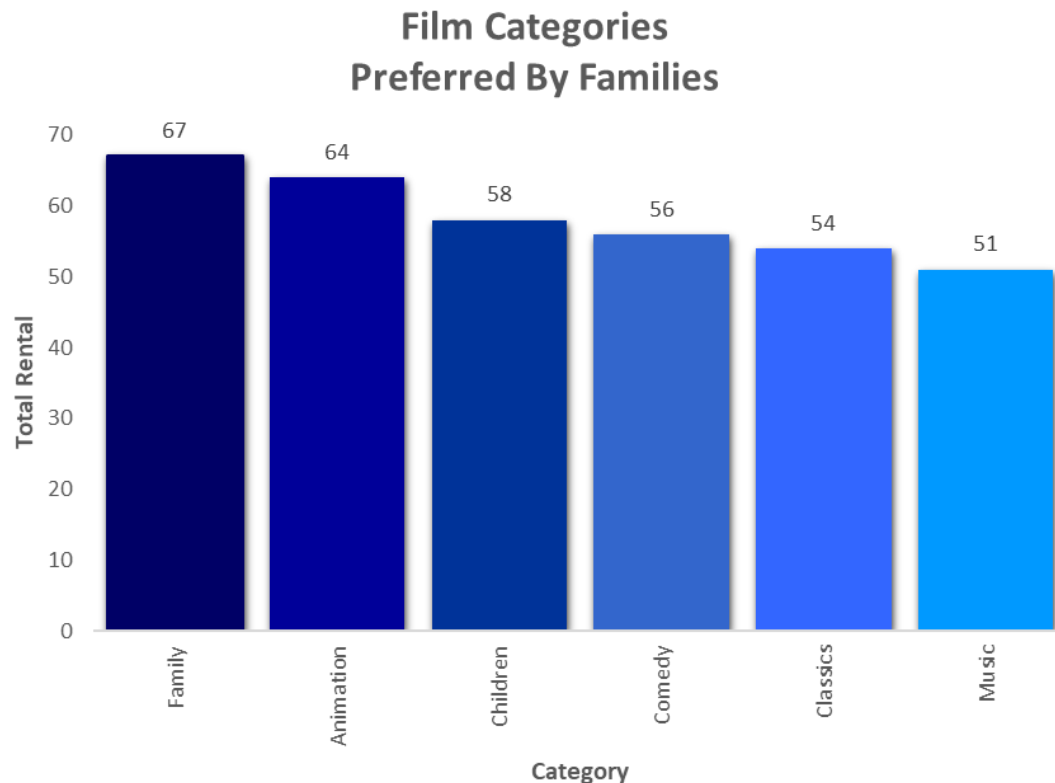


A circular frame containing a city skyline and a sign. The top half of the circle shows a view through a window of a city skyline with various skyscrapers and a cloudy sky. The bottom half of the circle shows a dark, reflective surface, likely a sign, with the text "Data has a better idea" in a light blue, sans-serif font. The text is slightly blurred and appears to be reflecting on the surface below it.

Data has a better idea

Question 1: To understand more about the movies that families are watching, create a query that lists each movie, film category, and the number of times it has been rented out



Dashboard Properties SQL Statistics Dependencies Dependents dvdrental/postgres@PostgreSQL 12 \*

dvdrental/postgres@PostgreSQL 12

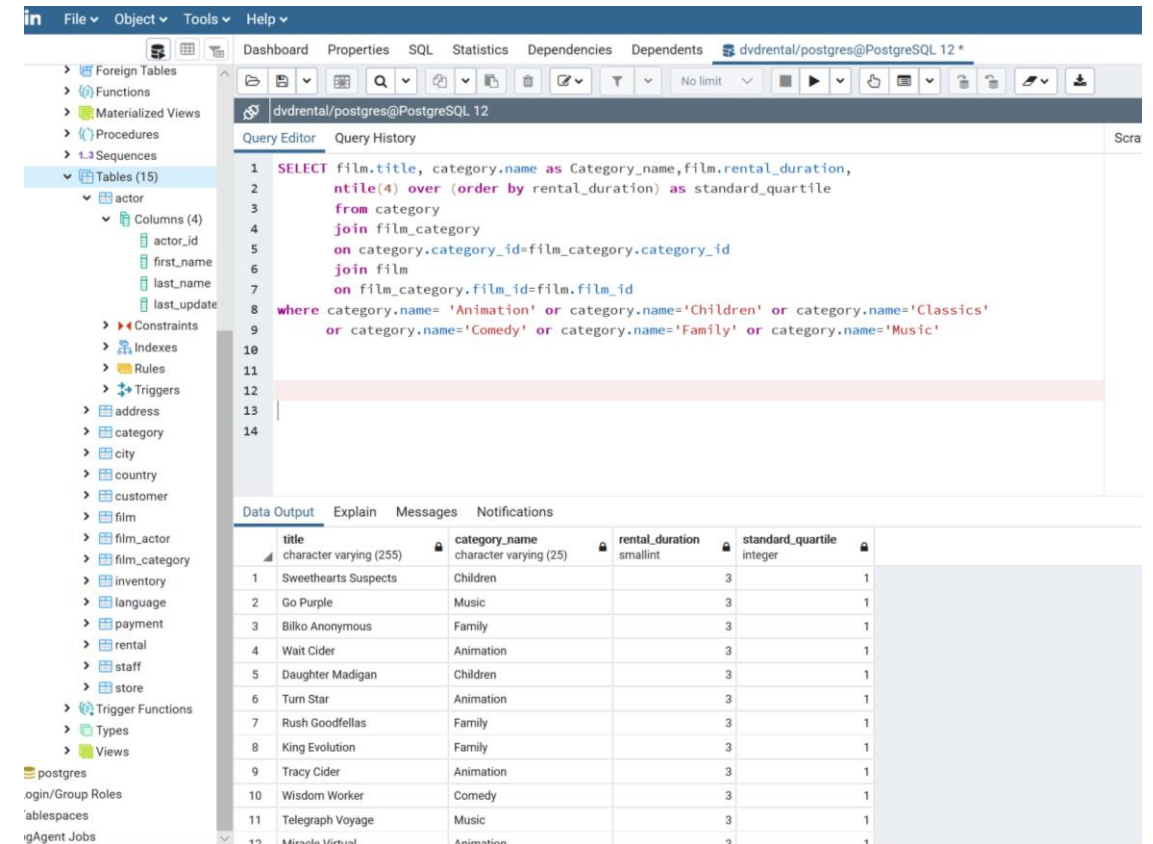
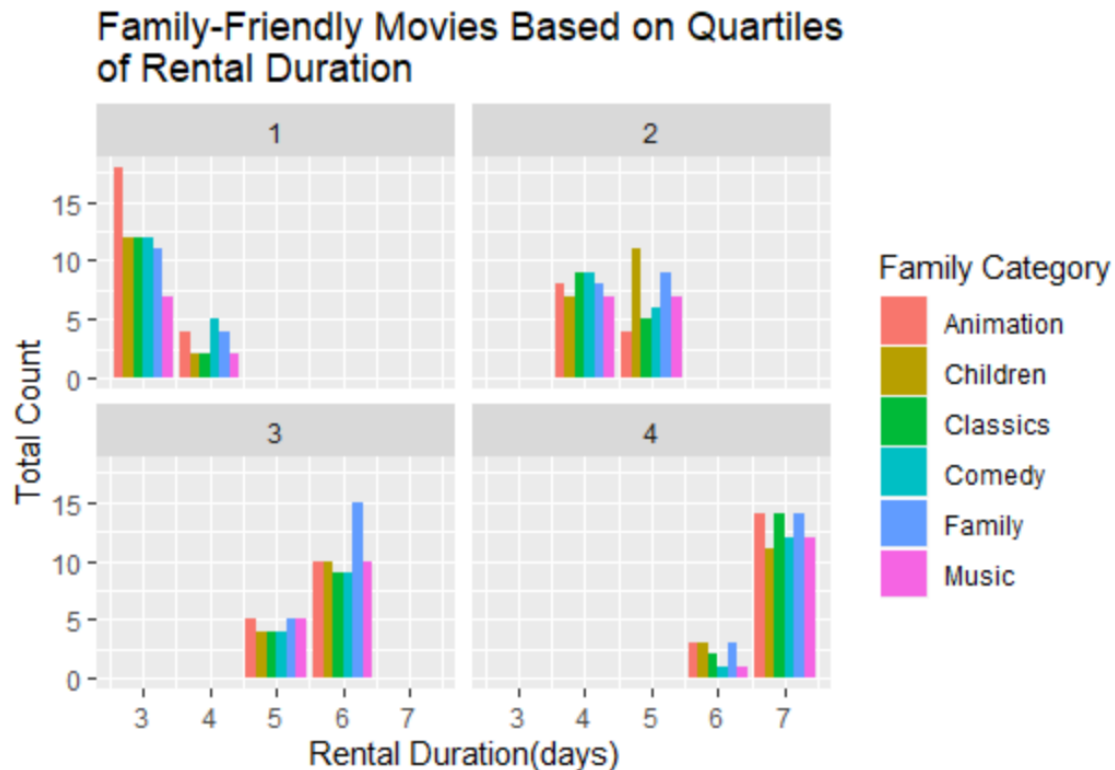
Query Editor Query History

```
1 with t1 as (SELECT film.title, category.name as Category_name, rental.inventory_id,
2 inventory.film_id, rental.rental_id
3 from inventory
4 join rental
5 on inventory.inventory_id=rental.inventory_id
6 join film
7 on film.film_id=inventory.film_id
8 join film_category
9 on film_category.film_id=film.film_id
10 join category
11 on category.category_id=film_category.category_id
12 where category.name= 'Animation' or category.name='Children' or category.name='Classics'
13 or category.name='Comedy' or category.name='Family' or category.name='Music')
14
15 select distinct title, Category_name , count(rental_id) over (partition by title) as rental_count
16 from t1
17 order by category_name
```

Data Output Explain Messages Notifications

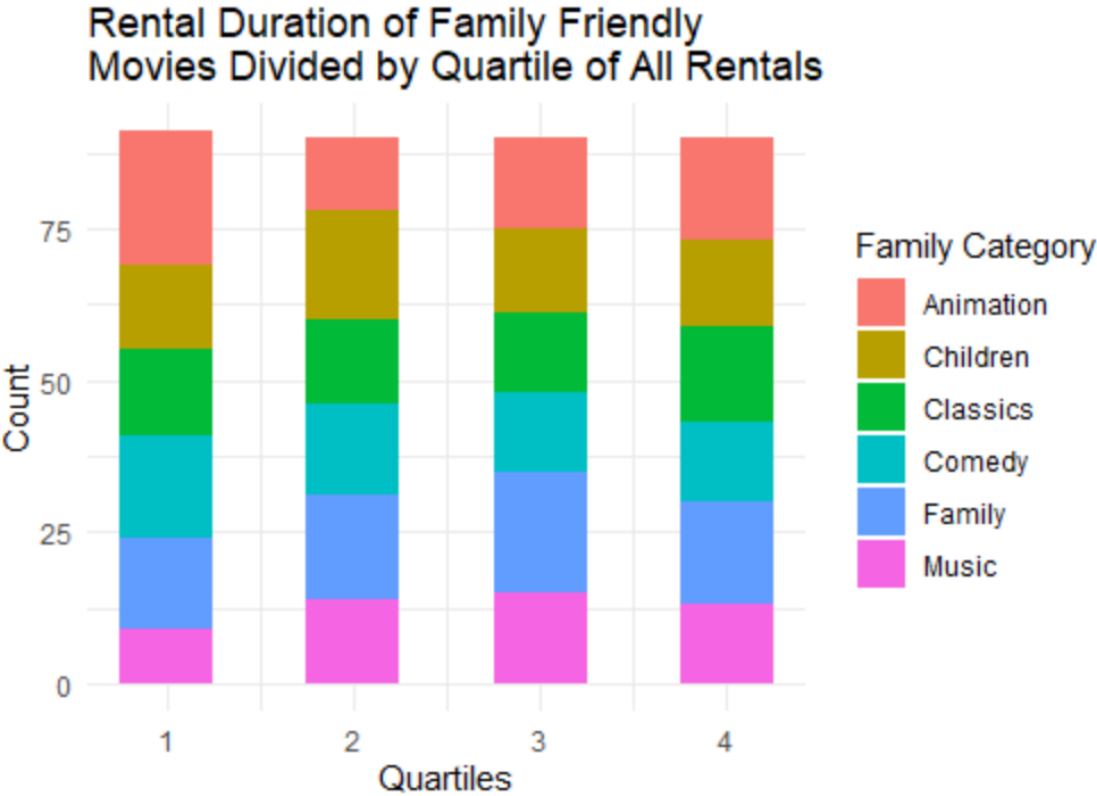
title	category_name	rental_count
1 Alter Victory	Animation	22
2 Anaconda Confessions	Animation	21
3 Bikini Borrowers	Animation	17
4 Blackout Private	Animation	27
5 Borrowers Bedazzled	Animation	22
6 Canyon Stock	Animation	19
7 Carol Texas	Animation	18
8 Champion Flatliners	Animation	13
9 Clash Freddy	Animation	25
10 Club Graffiti	Animation	19
11 Crossroads Casualties	Animation	21
12 Dares Pluto	Animation	9

Question 2: Compare the length of the rental duration of family friendly movies to the duration that all movies are rented for. Provide a table with the movie titles and divide them into 4 levels based on quartiles 25%, 50% and 75% of the rental duration for movies across all categories





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



pgAdmin

Query Editor

```
1 with t1 as
2 (SELECT film.title, category.name as Category_name,film.rental_duration,
3     ntile(4) over (order by rental_duration) as standard_quartile
4 from category
5 join film_category
6 on category.category_id=film_category.category_id
7 join film
8 on film_category.film_id=film.film_id
9 where category.name= 'Animation' or category.name='Children' or category.name='Classics'
10 or category.name='Comedy' or category.name='Family' or category.name='Music')
11
12 select category_name, standard_quartile, count (title)
13 from t1
14 group by 1,2
15 order by 1,2
16
17
```

Data Output

	category_name	standard_quartile	count
1	Animation	1	22
2	Animation	2	12
3	Animation	3	15
4	Animation	4	17
5	Children	1	14
6	Children	2	18
7	Children	3	14
8	Children	4	14
9	Classics	1	14
10	Classics	2	14
11	Classics	3	13
12	Classics	4	16

# Question 4: Compare the 2 stores regarding the amount of rental orders during every month for all the years there is data for

