

What are the most popular family movie trend

SELECT

**f.title AS film_title, c.name AS category_name,
COUNT(r.rental_id) AS rental_count**

FROM

film f

INNER JOIN film_category fc ON f.film_id = fc.film_id

INNER JOIN category c ON fc.category_id = c.category_id

INNER JOIN inventory i ON f.film_id = i.film_id

INNER JOIN rental r ON i.inventory_id = r.inventory_id

WHERE

**c.name IN ('Animation', 'Children', 'Classics', 'Comedy',
'Family', 'Music')**

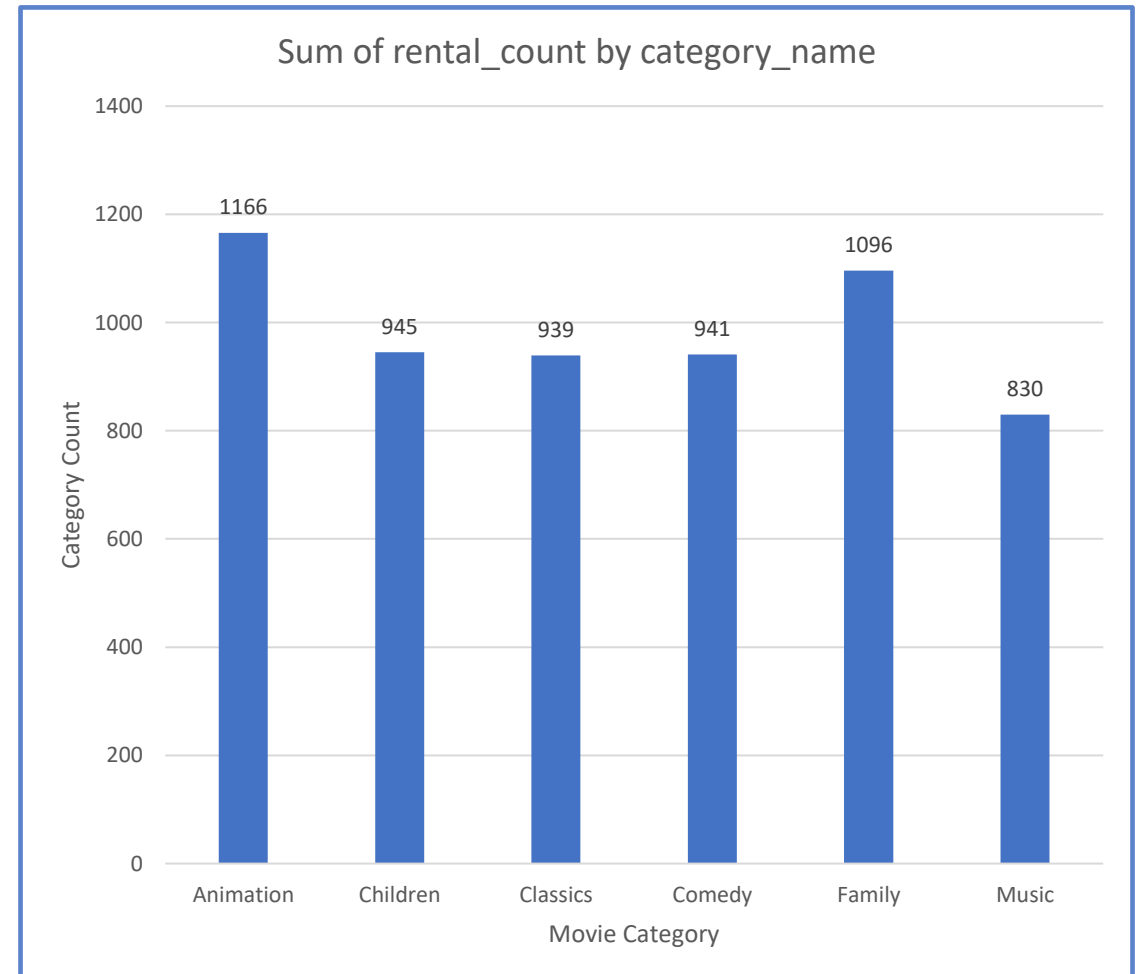
GROUP BY

f.title,c.name

ORDER BY

c.name

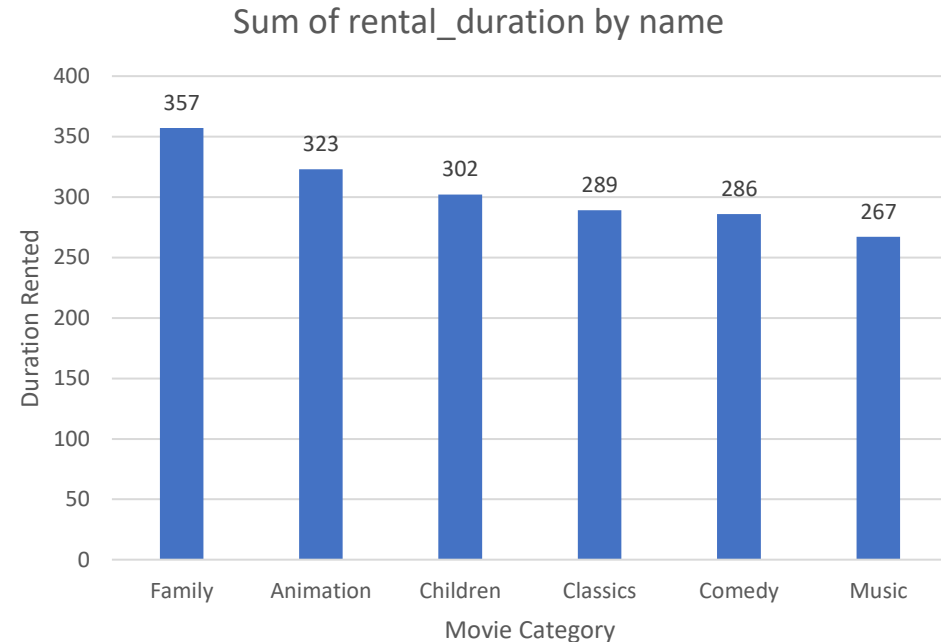
This reveals Animation and Family movies are the most popular
whiles music is the least popular family movies



For How long were Family friendly movies rented

```
WITH family_categories AS (  
  SELECT  
    c.name,  
    c.category_id  
  FROM category c  
  WHERE c.name IN ('Animation', 'Children', 'Classics', 'Comedy',  
  'Family', 'Music')  
  ORDER BY 1  
)  
  
SELECT  
  f.title,  
  fam_cat.name,  
  f.rental_duration,  
  NTILE(4) OVER (ORDER BY f.rental_duration) AS standard_quartile  
FROM family_categories fam_cat  
JOIN film_category fc ON fc.category_id = fam_cat.category_id  
JOIN film f ON f.film_id = fc.film_id  
GROUP BY 1, 2, 3;
```

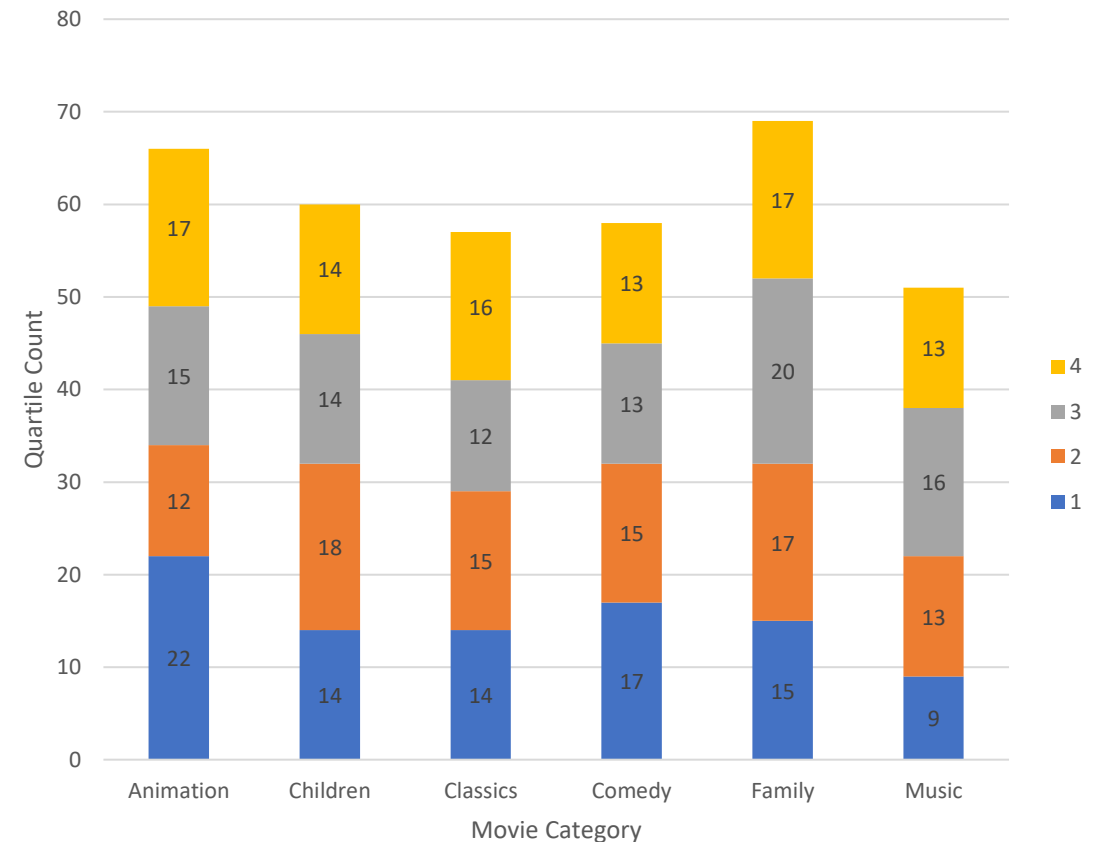
Family movies topped was rented the longest and music the least, with classics and comedy having similar rental length



What is the count of family-friendly movies in different rental duration categories

```
SELECT
  tab1.name, tab1.standard_quartile,
  COUNT(tab1.standard_quartile) AS quartile_count
FROM ( SELECT
  f.title, c.name, f.rental_duration,
  NTILE(4) OVER (ORDER BY f.rental_duration) AS standard_quartile
FROM   category c
JOIN   film_category fc ON fc.category_id = c.category_id
JOIN   film f ON f.film_id = fc.film_id
WHERE  c.name IN ('Animation', 'Children', 'Classics', 'Comedy', 'Family',
'Music')
) tab1
GROUP BY
  tab1.name, tab1.standard_quartile
ORDER BY
  tab1.name ASC, tab1.standard_quartile ASC, quartile_count DESC;
```

Animation and family had same 4th quartile rental number, and same happened with comedy and music.



What is the count of family-friendly movies in different rental duration categories

```
SELECT
    DATE_PART('month', r.rental_date) month_rented,
    DATE_PART('year', r.rental_date) year_rented,
    s.store_id,
    COUNT(*) AS rent_count
FROM
    rental r
    JOIN staff s ON s.staff_id = r.staff_id
    JOIN store st ON st.store_id = s.store_id
GROUP BY
    1,
    2,
    3
ORDER BY
    4 DESC;
```

The two years all saw February 2006 as least rental month whilst July was the month movies were rented most

