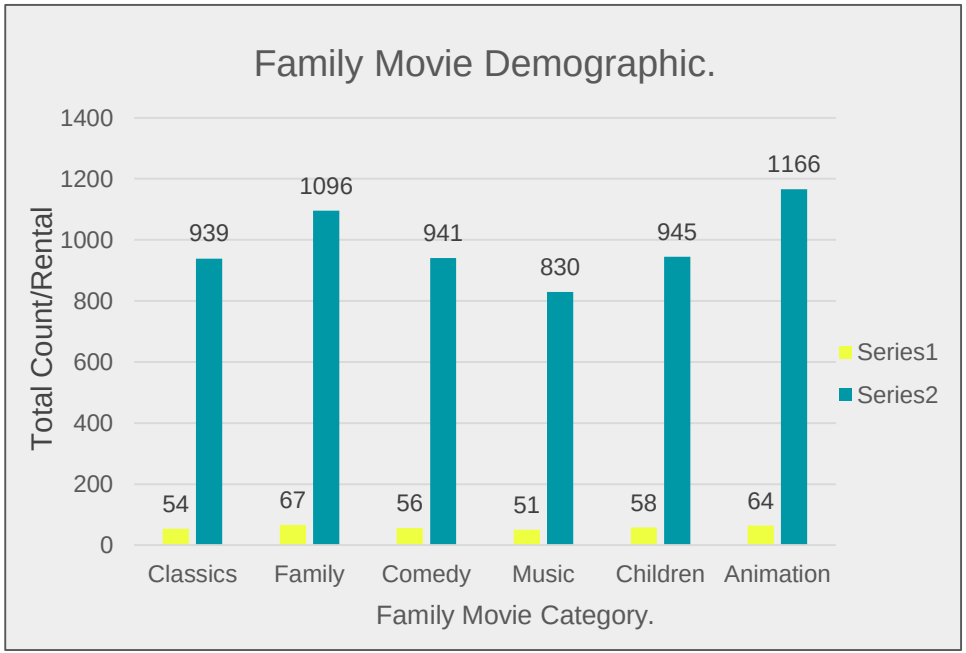
Problem Statement: To understand more about the movies that families are watching.(The following categories are considered as family movies: Animation, Children, Classics, Comedy, Family and Music.

Code in : Question Set 1.sql

Aim: To create a query that lists each movie, the film category it is classified in, and the number of times it has been rented out and visualize the demography of family movies.



- Series 1 represents total count of movies under a category
- Series 2 represents total rental count of movies under a category

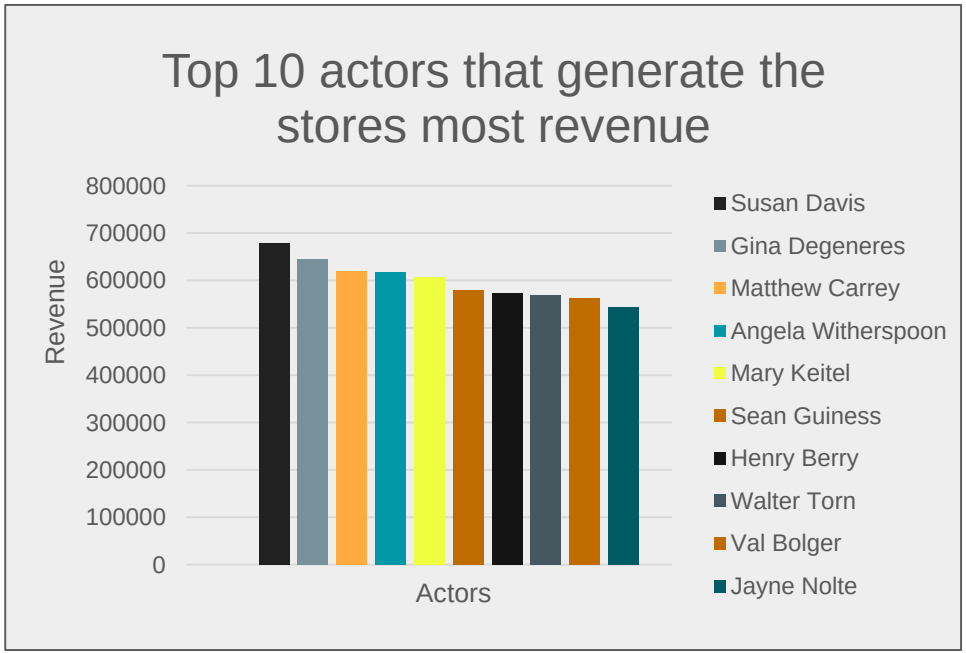
- The bar graph beside shows the total number and total rental count of movies under each category of “family movies”
- First I’ve created a query to list each movie, the film category it is classified in, and the number of times it has been rented out .
- Then I’ve used it as a subquery and used the count and sum function to visualize the demographic.

Concepts used: Joins, Aggregations, CTE, Aliases.

Problem Statement: To find the top 10 actors that generated the stores most revenue.

Code in : Question Set 2.sql

Aim: To find the top 10 actors that generated the stores most revenue.

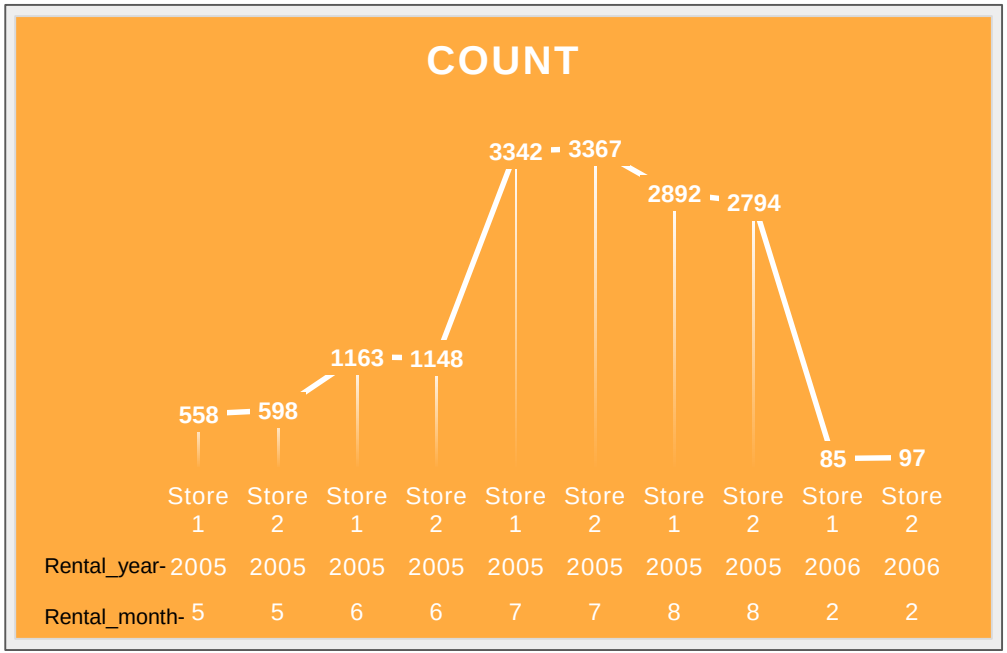


- The bar graph beside represents the top ten actors that generated the stores most revenue
- I've used piping, date trunc functions, aggregations, window functions, CTE, subquery and joins to achieve this.
- Susan Davis generates the most income, while Jayne Nolte comes in 10th.

Problem Statement: To find out how the two stores compare in their count of rental orders during every month for all the years we have data for.

Code in : Question Set 3.sql

Aim: To 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.



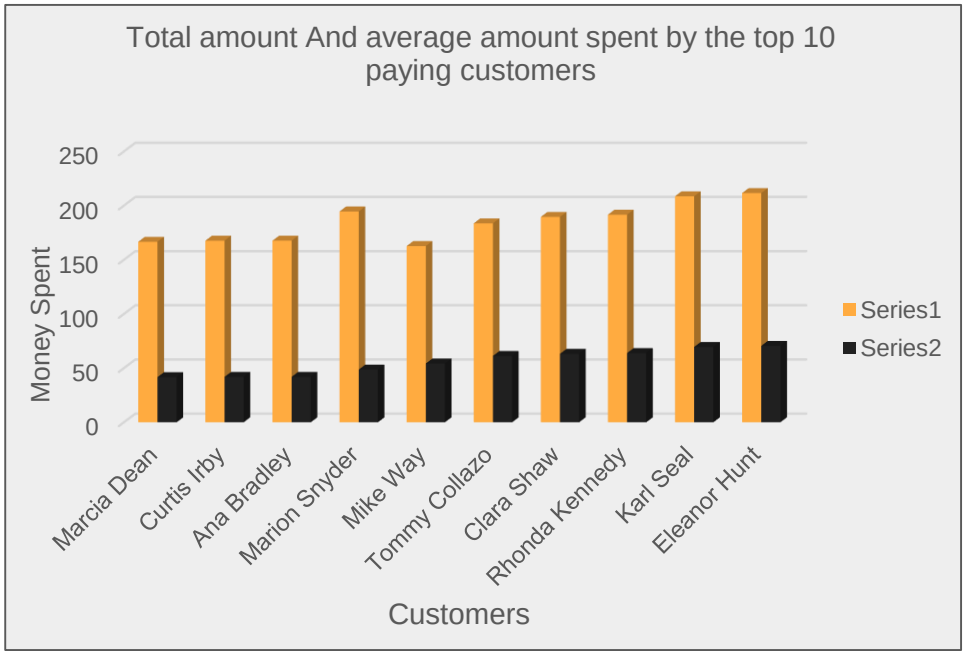
- The line plot beside shows us the number of rental orders each store has fulfilled for that month.
- I've used date_part functions, joins, aggregations to accomplish the result.

rental_month	rental_year	store	count
5	2005	Store 1	558
5	2005	Store 2	598
6	2005	Store 1	1163
6	2005	Store 2	1148
7	2005	Store 1	3342
7	2005	Store 2	3367
8	2005	Store 1	2892
8	2005	Store 2	2794
2	2006	Store 1	85
2	2006	Store 2	97

Problem Statement: Find the total amount and average amount spent by the top 10 paying customers.

Code in : Question Set 4.sql

Aim: To find the total and average amount spent by the top 10 paying customers.



- The graph plotted beside shows the total and average amount spend by the top 10 customers.
- We can see that the average amount spent by the top 10 customers is around the average 40-70
- The maximum amount was spent by Eleanor Hunt where as Mike Way comes in 10th.

- Series 1 represents total amount spent by the top 10 customers
- Series 2 represents average amount spend by the top 10 customers