SQL
Project 1

Vivian Kim
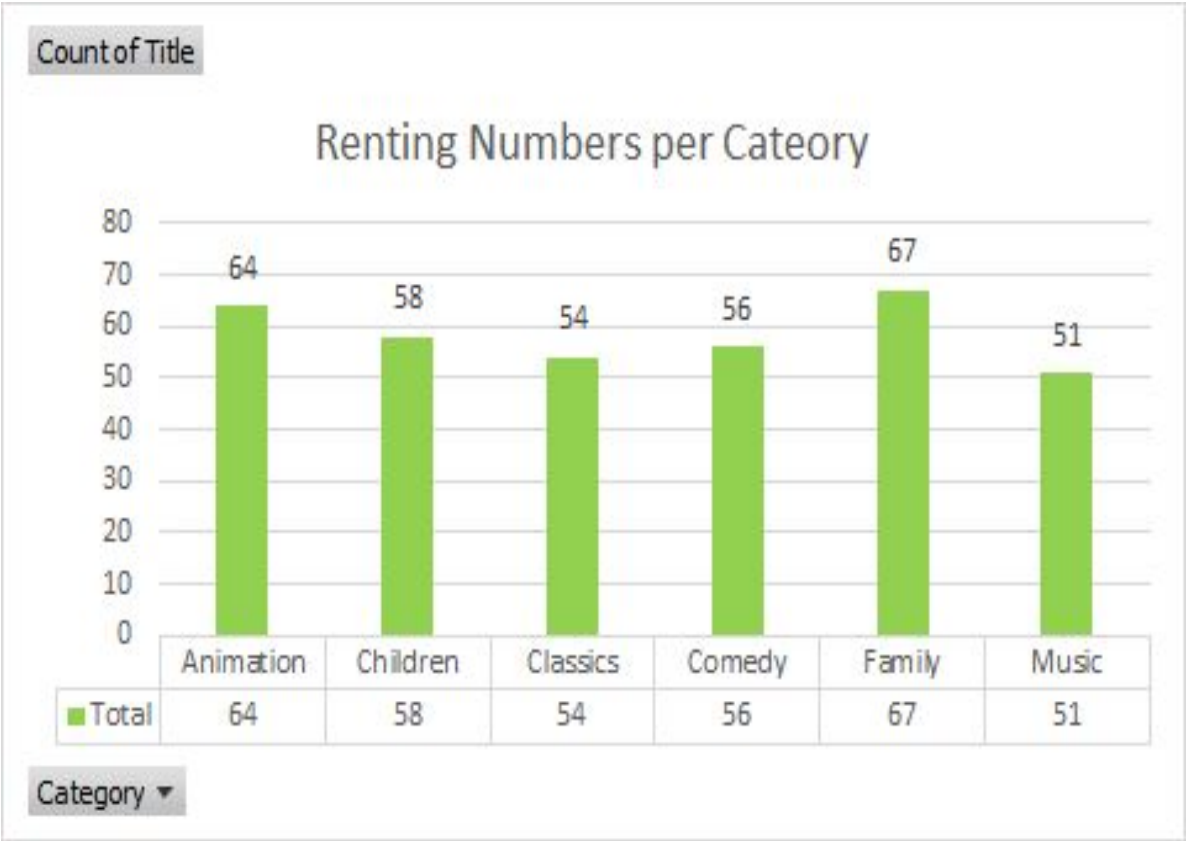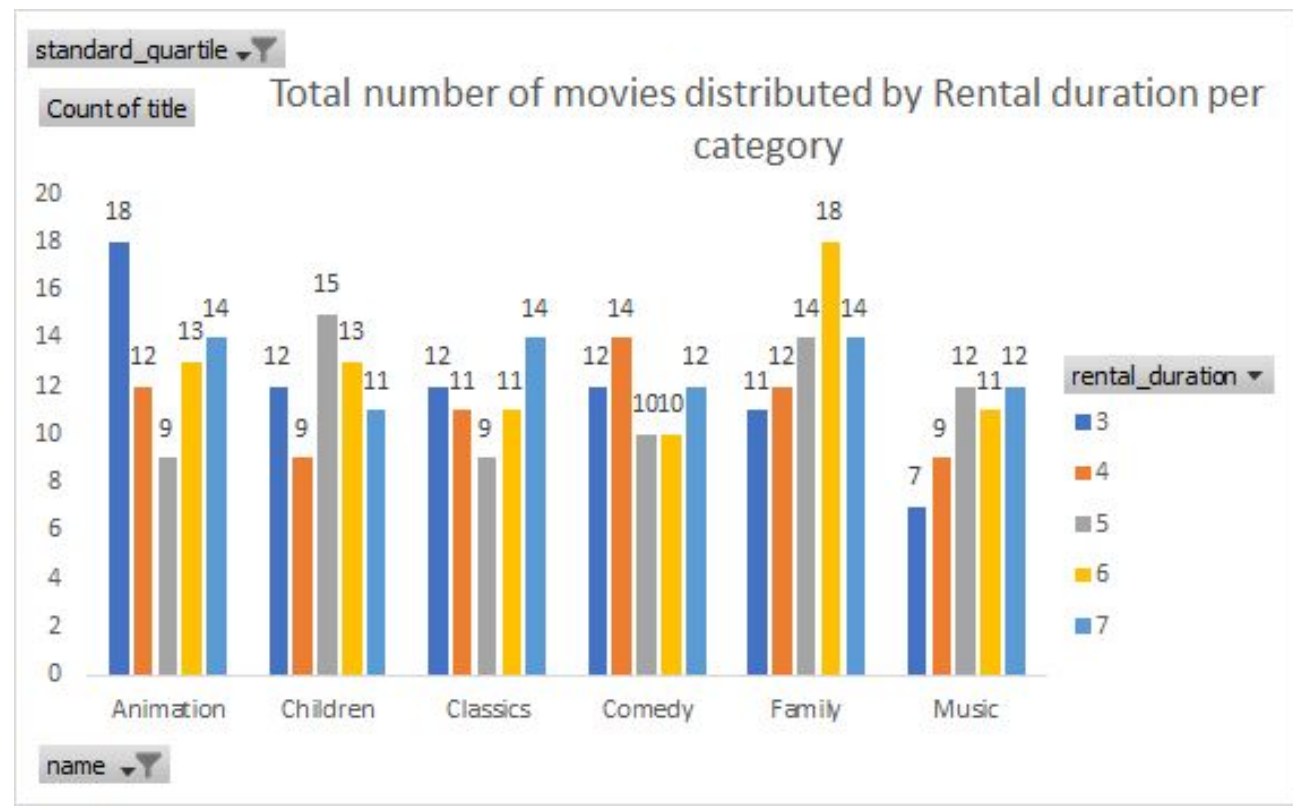
We want to understand more about the movies that families are watching. The following categories are considered family movies: Animation, Children, Classics, Comedy, Family and Music. Create a query that lists each movie, the film category it is classified in, and the number of times it has been rented out.

Count of Title

Renting Numbers per Cateory

	Animation	Children	Classics	Comedy	Family	Music
■ Total	64	58	54	56	67	51

Category ▼

This graph demonstrates the total number of rented movies per category.

The total renting numbers of each categories are similar but the most popular genre is 'family film' and 'Music' genre is the least rented.
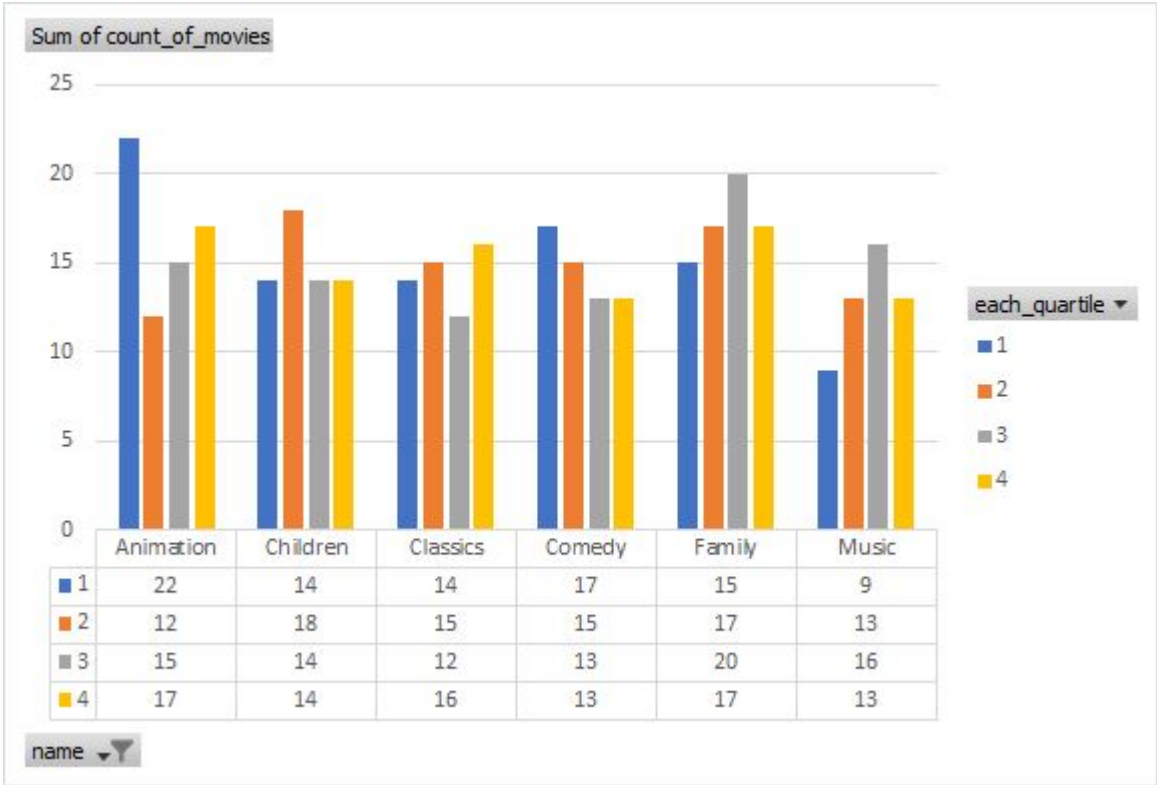
Now we need to know how the length of rental duration of these family-friendly movies compares to the duration that all movies are rented for.

This graph shows the rental duration per category all the categories.

By changing the filter, viewer can see how total number of movies are distributed by rental duration in each category per quartile as well.

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

Sum of count_of_movies

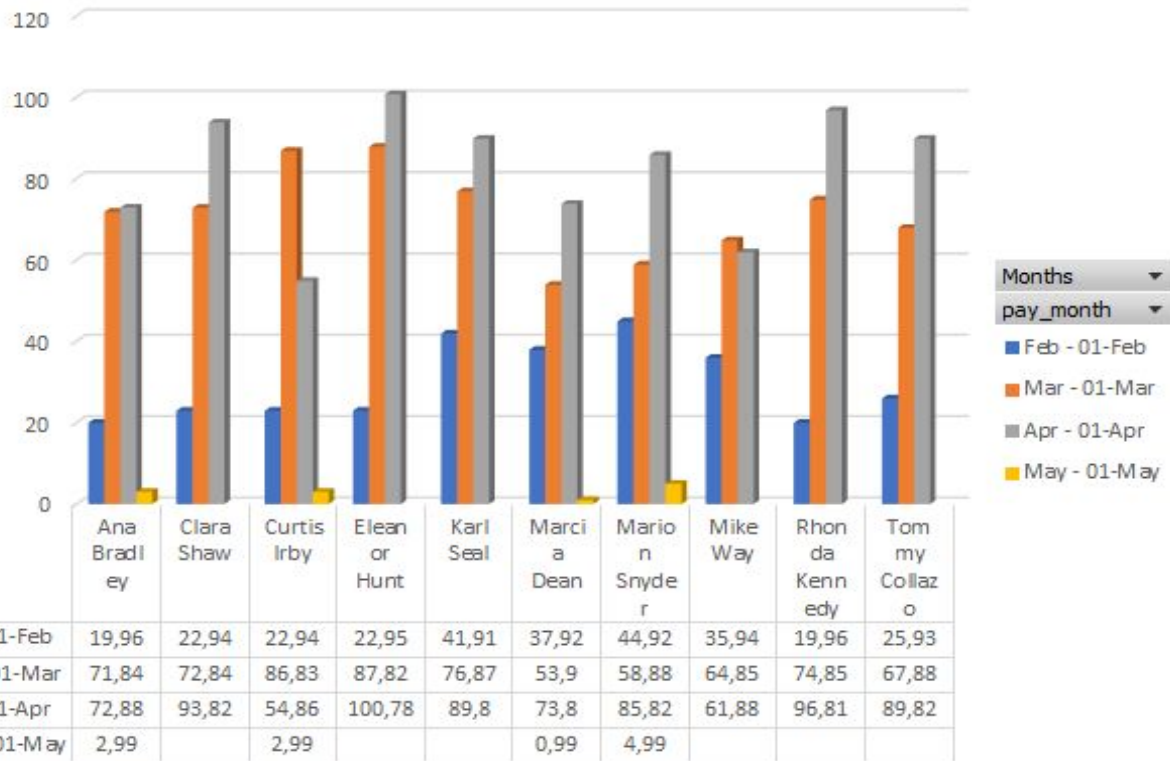| name	Animation	Children	Classics	Comedy	Family	Music
1	22	14	14	17	15	9
2	12	18	15	15	17	13
3	15	14	12	13	20	16
4	17	14	16	13	17	13

each_quartile
1
2
3
4

The graph shows the number of family friendly movies which were rented by each quartile.

In the first quartile, the genre 'Animation' has the highest number. In the second quartile genre 'children' has the highest number. This gives the clear overview which genre has the highest number in each quartile.

We would like to know who were our top 10 paying customers, how many payments they made on a monthly basis during 2007, and what was the amount of the monthly payments.

Sum of pay_total

	Ana Bradley	Clara Shaw	Curtis Irby	Eleanor Hunt	Karl Seal	Marcia Dean	Marion Snyder	Mike Way	Rhonda Kennedy	Tommy Collazo
■ Feb - 01-Feb	19,96	22,94	22,94	22,95	41,91	37,92	44,92	35,94	19,96	25,93
■ Mar - 01-Mar	71,84	72,84	86,83	87,82	76,87	53,9	58,88	64,85	74,85	67,88
■ Apr - 01-Apr	72,88	93,82	54,86	100,78	89,8	73,8	85,82	61,88	96,81	89,82
■ May - 01-May	2,99		2,99			0,99	4,99			

Months
pay_month

■ Feb - 01-Feb
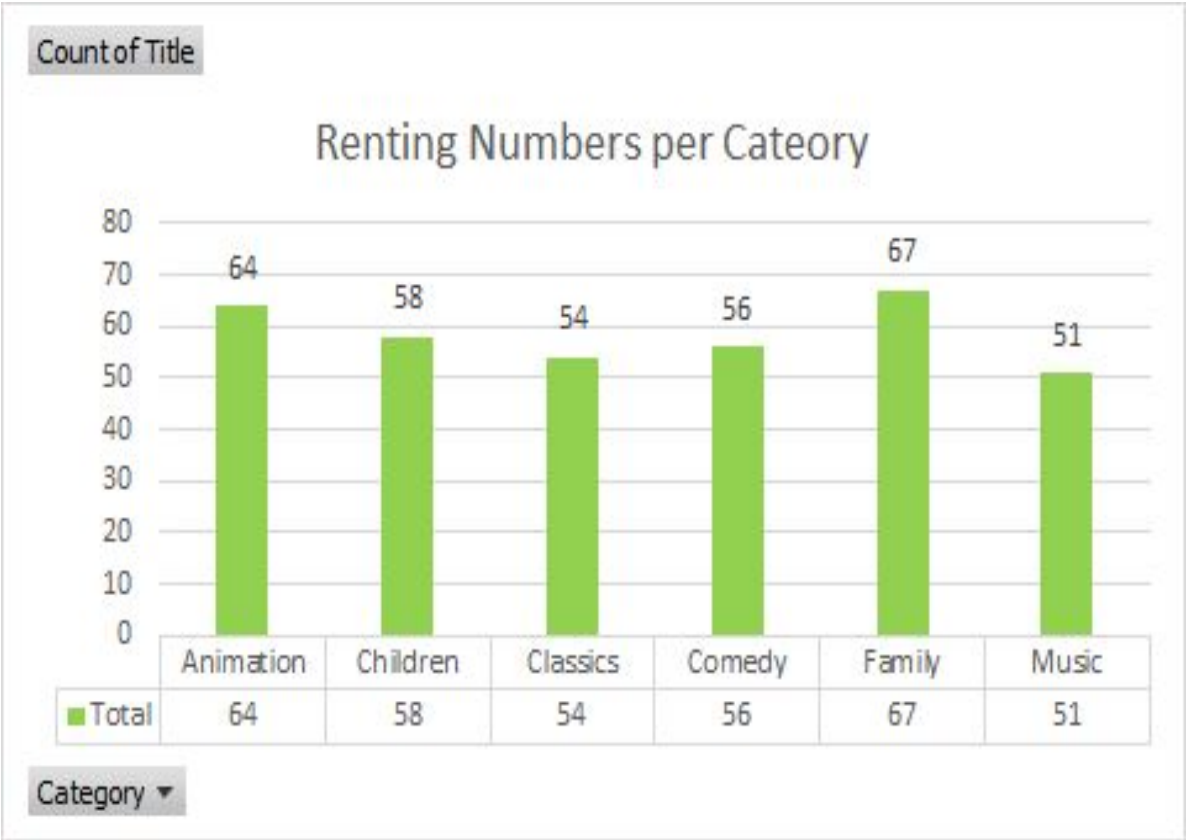■ Mar - 01-Mar
■ Apr - 01-Apr
■ May - 01-May

full_name

The graph visualises top 10 paying customers in 2007.

Their monthly payments which were made between February and May are tracked down.

Most of them tend to pay a lot in April and pay less or non in May.
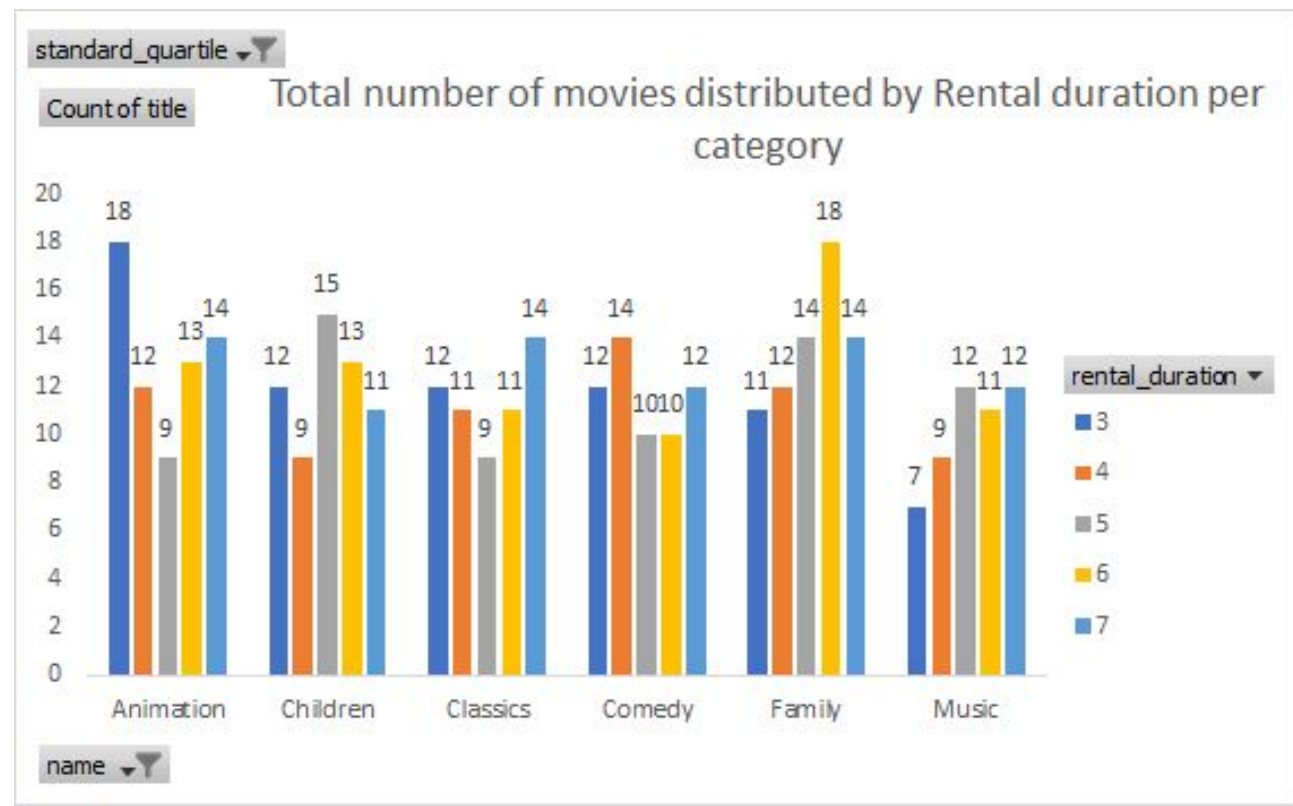
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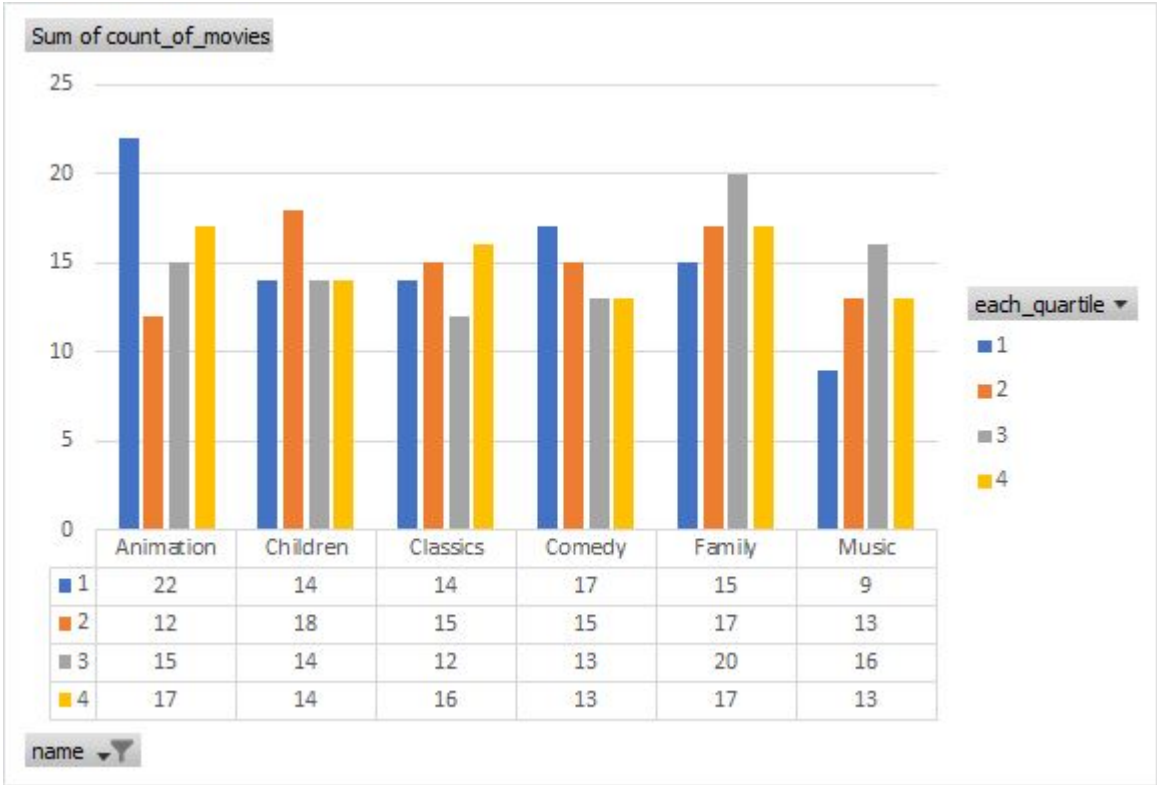

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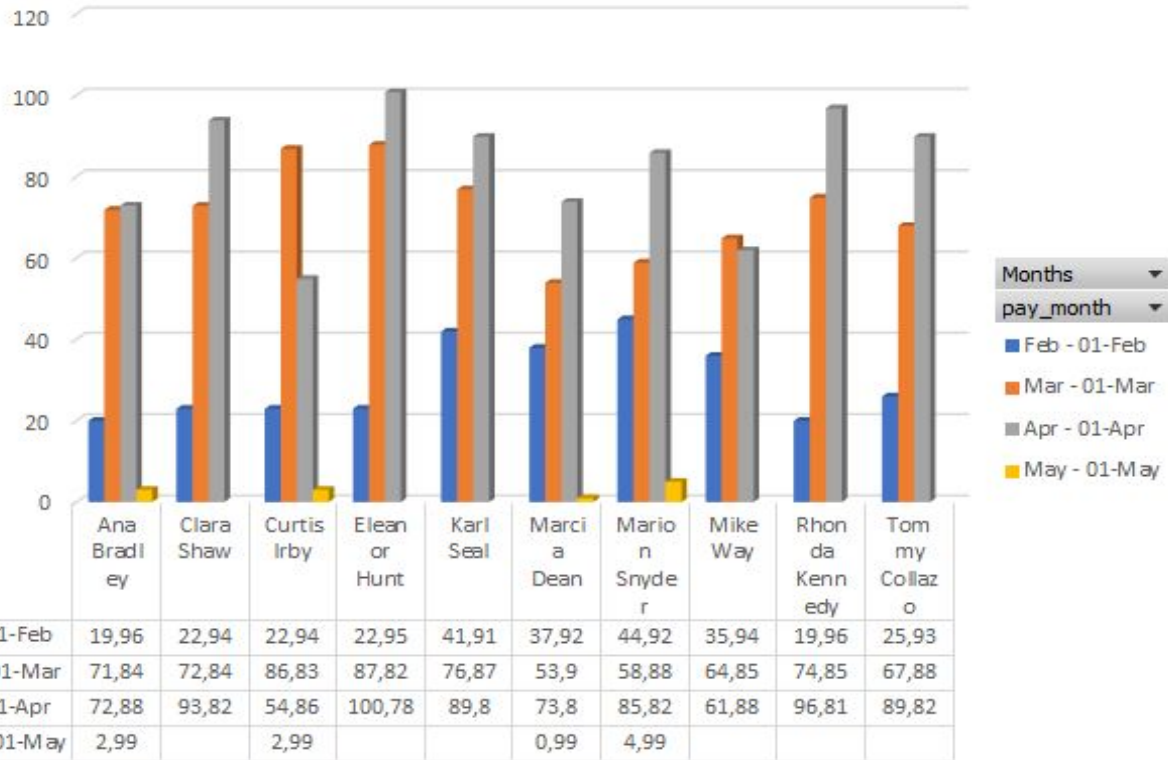| each_quartile	Animation	Children	Classics	Comedy	Family	Music
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