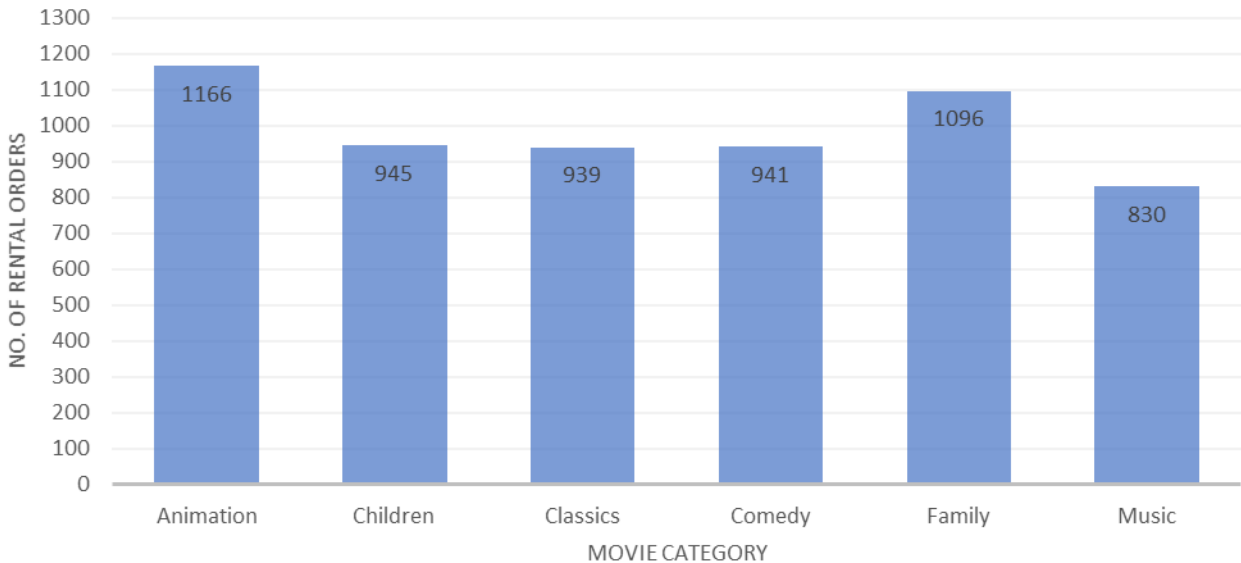


- All four Queries contain **JOIN** and **Aggregation** Function
- At least two queries (**1** & **2**) contain either **Subquery** OR **CTE**
 - At least one query (**3**) contains a **Window Function**
- At least one column generated by the Window should be included in one of the final visualizations

Question	What is the trend in the number of total rental orders till now for each category of family movies?															
Answer	Data shows that families are most likely to rent movies in the ‘Animation’ category followed by ‘Family’ category with almost the same interest for ‘Children’, ‘Classics’ and ‘Comedy’ categories and families show least interest to rent ‘Music’ category movies.															
Chart	<div><div>Sum of count</div><div><p>Total Rental Orders by Customers</p><table><tr><th>MOVIE CATEGORY</th><th>NO. OF RENTAL ORDERS</th></tr><tr><td>Animation</td><td>1166</td></tr><tr><td>Children</td><td>945</td></tr><tr><td>Classics</td><td>939</td></tr><tr><td>Comedy</td><td>941</td></tr><tr><td>Family</td><td>1096</td></tr><tr><td>Music</td><td>830</td></tr></table></div><div>name ▾</div></div>		MOVIE CATEGORY	NO. OF RENTAL ORDERS	Animation	1166	Children	945	Classics	939	Comedy	941	Family	1096	Music	830
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Question

Who were the top 10 paying customers and what was the amount of the monthly payments they made in 2007 ?

Answer

As per data, customer **Eleanor Hunt** has made the top monthly payment of \$100 in April 2007.

Chart



Question	How the length of rental duration of specifically 'Family' category movies compares to the duration that all family movies are rented for?																																										
Answer	The maximum number of movies in the 'Family' category are rented for 6 days in comparison to maximum number of movies in the 'Animation' category which are being rented for 3 days.																																										
Chart	<div><p>MOVIES DISTRIBUTION BY EACH RENTAL DURATION FOR EACH CATEGORY</p><table border="1"><thead><tr><th>Movie Category</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th></tr></thead><tbody><tr><td>Animation</td><td>18</td><td>12</td><td>9</td><td>13</td><td>14</td></tr><tr><td>Children</td><td>12</td><td>9</td><td>15</td><td>13</td><td>11</td></tr><tr><td>Classics</td><td>12</td><td>11</td><td>9</td><td>11</td><td>14</td></tr><tr><td>Comedy</td><td>12</td><td>14</td><td>10</td><td>10</td><td>12</td></tr><tr><td>Family</td><td>11</td><td>12</td><td>14</td><td>18</td><td>14</td></tr><tr><td>Music</td><td>7</td><td>9</td><td>12</td><td>11</td><td>12</td></tr></tbody></table></div>	Movie Category	3	4	5	6	7	Animation	18	12	9	13	14	Children	12	9	15	13	11	Classics	12	11	9	11	14	Comedy	12	14	10	10	12	Family	11	12	14	18	14	Music	7	9	12	11	12
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Music	7	9	12	11	12																																						

Question	How can compare movies in each quartile by category of family movies by the rental durations?																																			
Answer	The 'Animation' category has the highest number of movies in the first quartile in its own category and among all other categories. Within the category, there are 17 movies in the fourth quartile on the second place followed by number of movies in the third and fourth quartile.																																			
Chart	<div><p>Movies Distribution by each Quartile for each category</p><table><thead><tr><th>movie category</th><th>1</th><th>2</th><th>3</th><th>4</th></tr></thead><tbody><tr><td>Animation</td><td>22</td><td>12</td><td>15</td><td>17</td></tr><tr><td>Children</td><td>14</td><td>18</td><td>14</td><td>14</td></tr><tr><td>Classics</td><td>14</td><td>15</td><td>12</td><td>16</td></tr><tr><td>Comedy</td><td>17</td><td>15</td><td>13</td><td>13</td></tr><tr><td>Family</td><td>15</td><td>17</td><td>20</td><td>17</td></tr><tr><td>Music</td><td>9</td><td>13</td><td>16</td><td>13</td></tr></tbody></table></div>	movie category	1	2	3	4	Animation	22	12	15	17	Children	14	18	14	14	Classics	14	15	12	16	Comedy	17	15	13	13	Family	15	17	20	17	Music	9	13	16	13
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