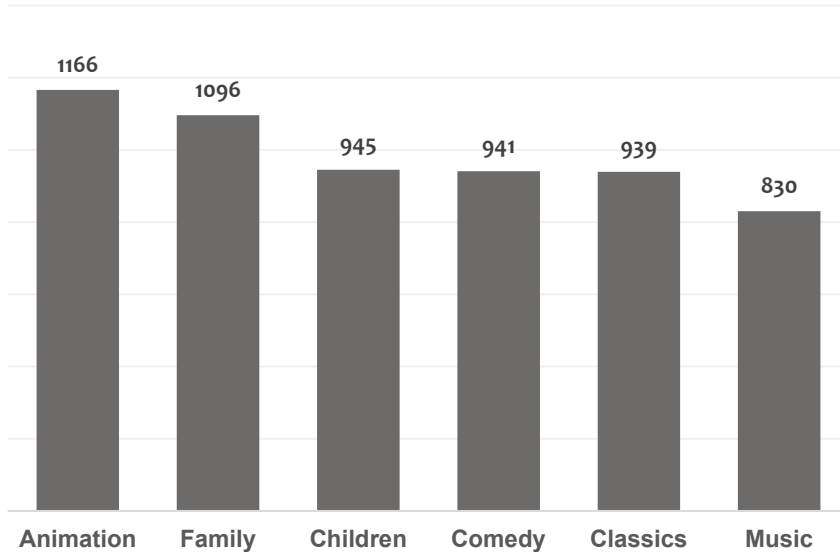# Access Bank – Udacity Scholarship
Programming For Data Science With Python Nanodegree

SQL Project: Investigate a Relational Database
Submitted by: Abdulhaffiz Umar

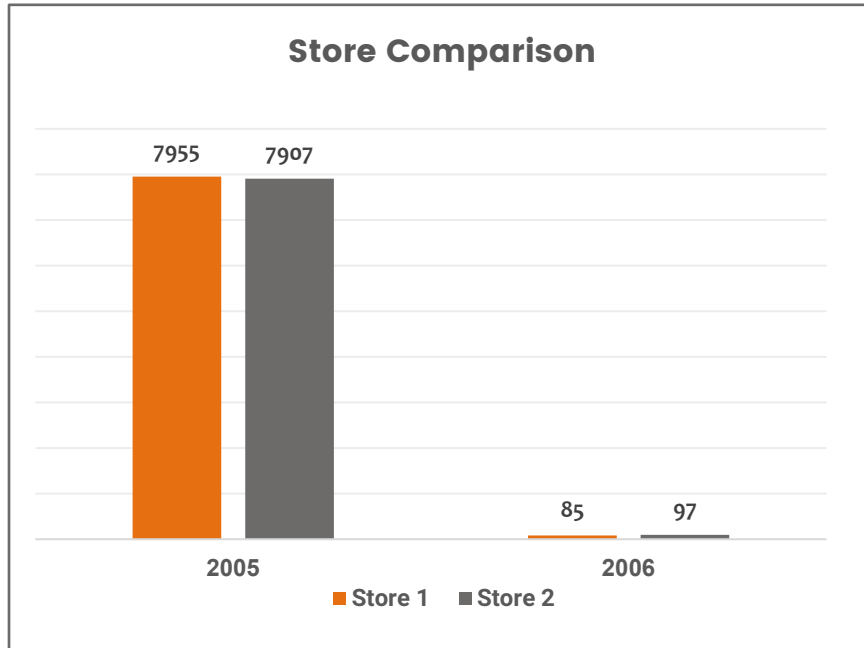## Movies Families are Watching

Data shows that families watch animation the most, with 1166 counts of total animation rental. Family movies was the second most rented film category at 1096 counts, and children, comedy, and classics maintained a similar number of rentage. Finally, Music is the least most rented film cateogry, coming last at 830 counts.
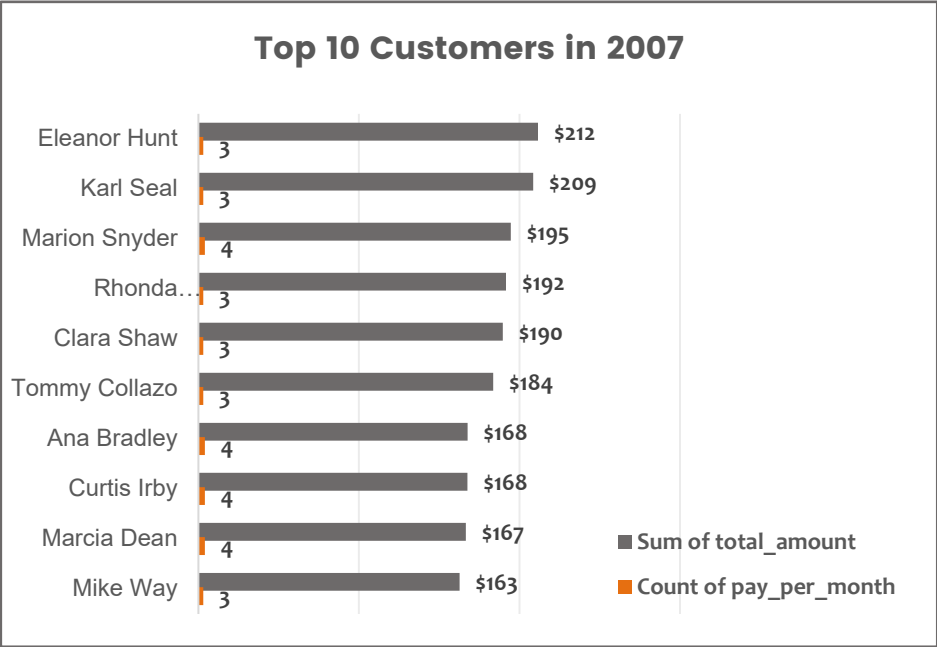
Question 2.1: We want to find out how the two stores compare in their count of rental orders during every month for all the years we have data for.

Store Comparison

	2005	2006
Store 1	7955	85
Store 2	7907	97

Both stores maintained almost equal rental orders between 2005 and 2006.

In 2005, Store 1(7955) had 48 more rental orders than store 2 (7907). However, in 2006, store 2 (97) had 12 more rental orders than store 1 (85), Although its too early to tell, Store 2 is off to a good start in 2006.

Question 2.2: We would like to know who were our top 10 paying customers

Top 10 Customers in 2007

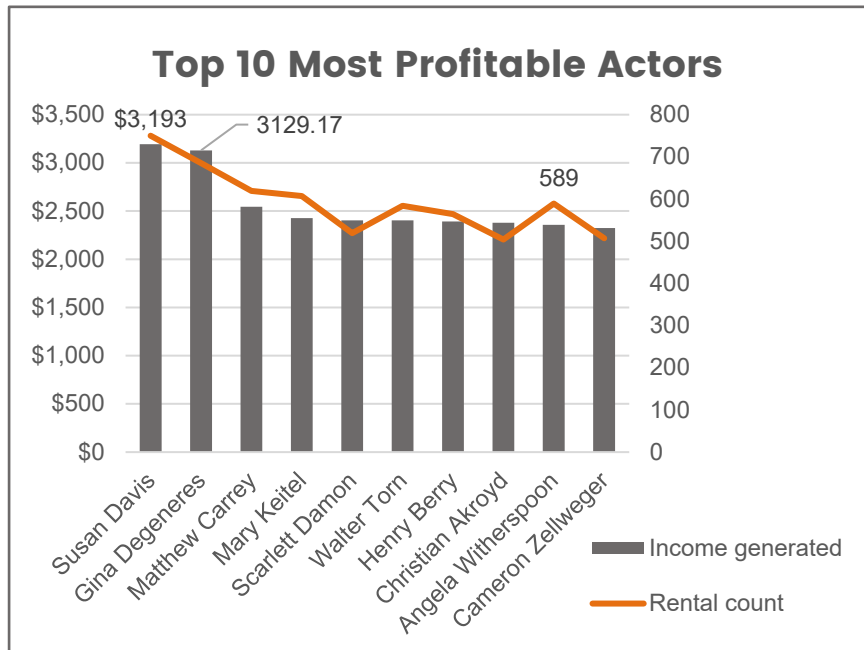| Customer	Sum of total_amount	Count of pay_per_month
Eleanor Hunt	$212	3
Karl Seal	$209	3
Marion Snyder	$195	4
Rhonda…	$192	3
Clara Shaw	$190	3
Tommy Collazo	$184	3
Ana Bradley	$168	4
Curtis Irby	$168	4
Marcia Dean	$167	4
Mike Way	$163	3

■ Sum of total_amount
■ Count of pay_per_month

The highest paying customer is Eleanor Hunt, with a total of $212 paid 3 times within a month.

Among the top 10 highest paying customers, only 4 people made payments four times within a month.

Finally, Mike way is the least paying customer among the top 10 paying customers with $163 paid 3 times in a month.

Top 10 Most Profitable Actors

$3,193

3129.17

589

Income generated	
Rental count	

Susan Davis is the highest grossing actor in terms of income generated, with $3,193, followed closely by Gina DeGeneres at 3,129. Others maintained close margins of income.

However, Angela Witherspoon recorded a higher rental count while coming second to last with 589 counts. Perhaps film rental advertisement can be targeted towards her to raise more income.