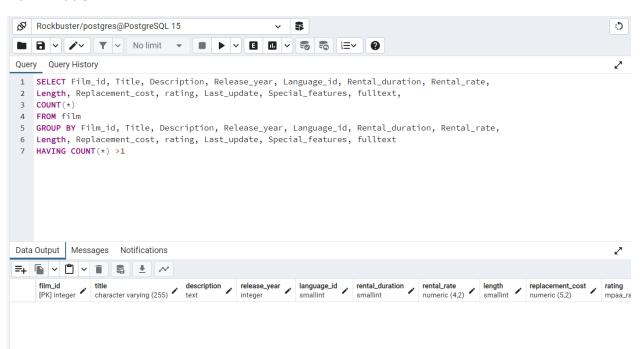
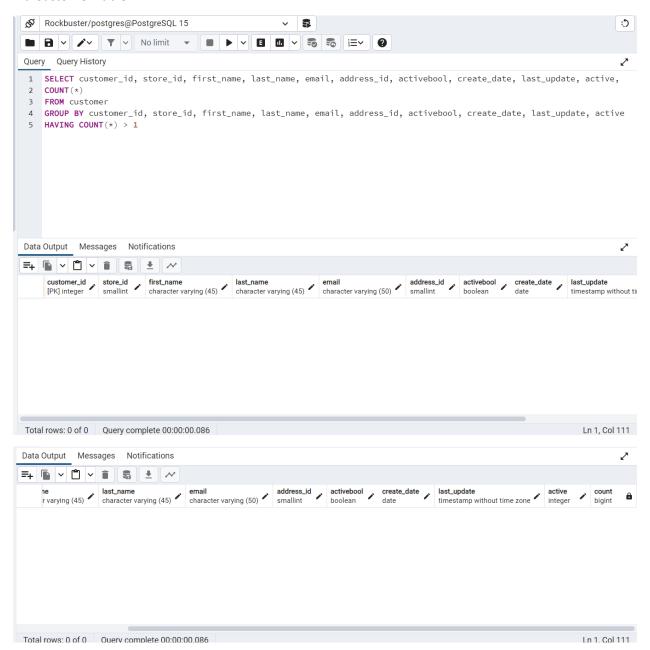
# 1.a Film Table

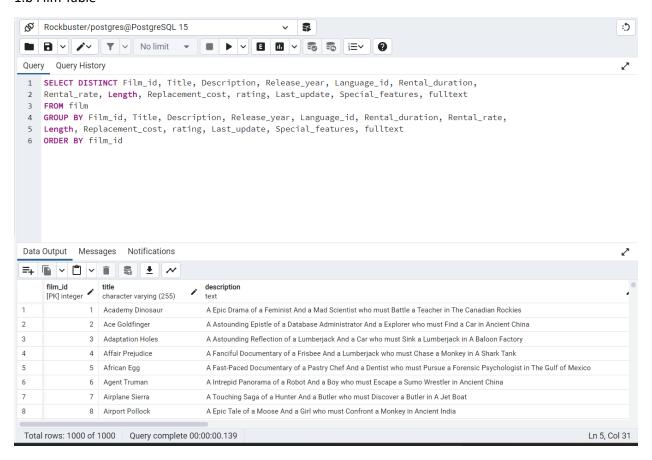


### 1.a Customer Table

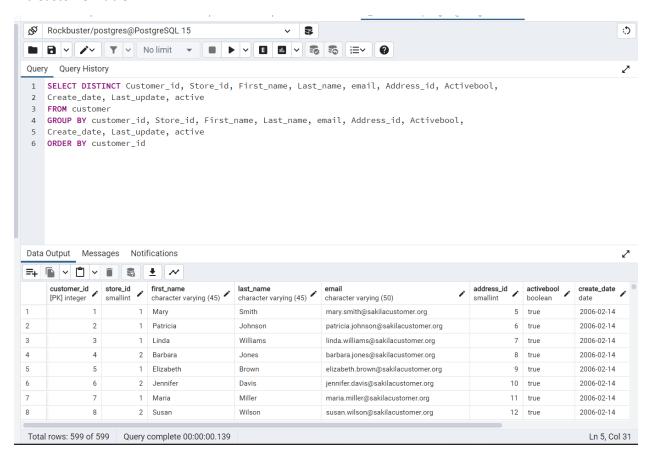


There are no duplicate records in either of the tables. Maintaining a viewable table with distinct records is deemed as a preferred approach. This is due to the fact that deleting records may lead to the loss of valuable information.

#### 1.b Film Table

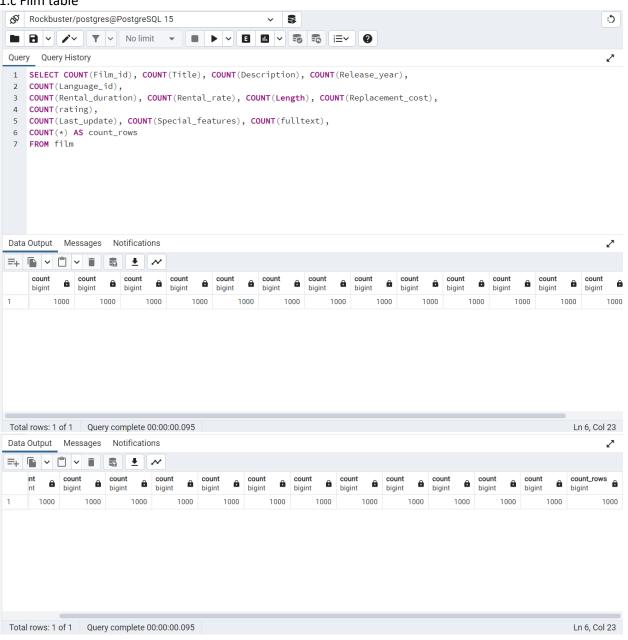


#### 1.b Customer Table

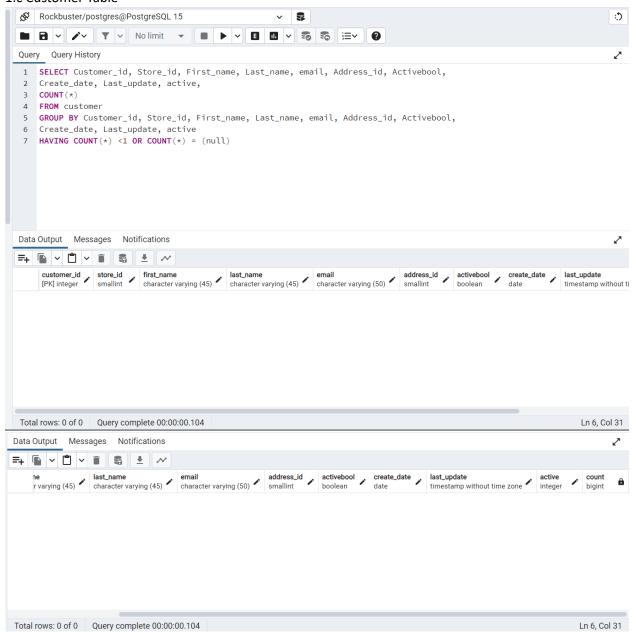


The data appears uniform for both tables. If the data was not uniform, I would use the Update function along with the Where and Set functions to resolve this problem.

#### 1.c Film table

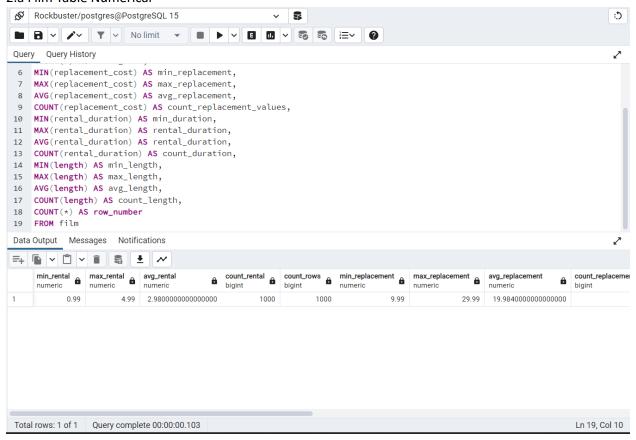


#### 1.c Customer Table



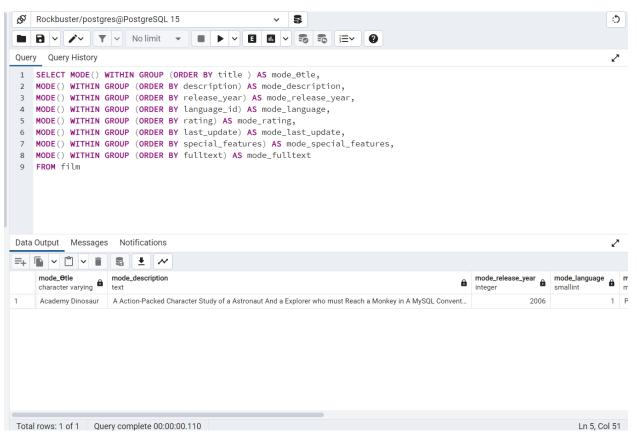
There appears to be no missing data. If there were missing data you could use the Update, Where, Set functions could be used to impute the average value for a small amount of missing data. However, you can also disregard a column or row that has a significant proportion of missing data.

#### 2.a Film Table Numerical



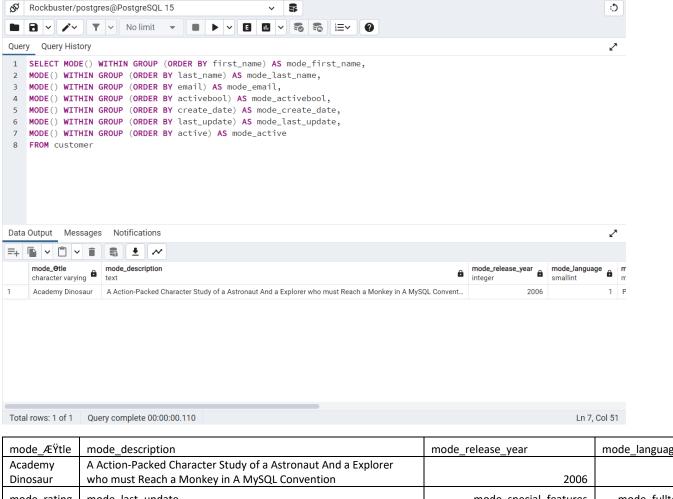
min_rental	max_rental	avg_rent	count_ren	count_row	min_replac	max_replac
		al	tal	S	ement	ement
0.99	4.99	2.98	1000	1000	9.99	29.99
avg_replace	count_replacemen	min_dur	rental_dur	rental_dur	count_dura	min_length
ment	t_values	ation	ation	ation-2	tion	
19.984	1000	3	7	4.985	1000	46
max_length	avg_length	count_le	row_num			_
		ngth	ber			
185	115.272	1000	1000			

#### 2.a Film Table Non-Numerical



mode_ÆŸtle	mode_description	mode_release_year	mode_language
Academy Dinosaur	A Action-Packed Character Study of a Astronaut And a Explorer who must Reach a Monkey in A MySQL Convention	2006	1
mode_rating	mode_last_update	mode_special_features	mode_fulltext
PG-13	50:59.0	{Trailers,Commentaries,"Behind the Scenes"}	'baloon':19 'confront':14 'documentari':5 'feminist':8,11,16 'mile':2 'must':13 'spi':1 'thrill':4

## 2.b Customer Table Non-Numerical



mode_ÆŸtle	mode_description	mode_release_year	mode_language
Academy	A Action-Packed Character Study of a Astronaut And a Explorer		
Dinosaur	who must Reach a Monkey in A MySQL Convention	2006	1
mode_rating	mode_last_update	mode_special_features	mode_fulltext
			'baloon':19
			'confront':14
			'documentari':5
			'feminist':8,11,16
		{Trailers,Commentaries,"Behind	'mile':2 'must':13
PG-13	50:59.0	the Scenes"}	'spi':1 'thrill':4

3.a I find it is easier to use SQL as I continue profile data. Excel requires multiple steps including pivot tables and equations that you have to enter individually to get the same results as SQL which only takes you entering the equation in one solid flow versus multiple times. Also, SQL allows you to check multiple statistics of your data without having to use a pivot table. I believe (especially with a large data set like a data base) SQL is the way to go for efficiency purposes.