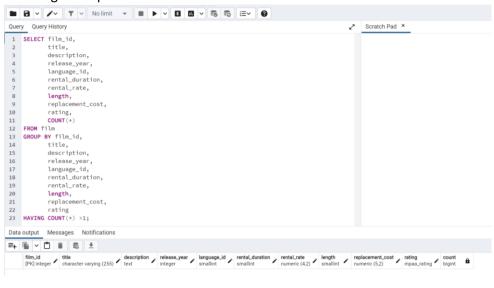
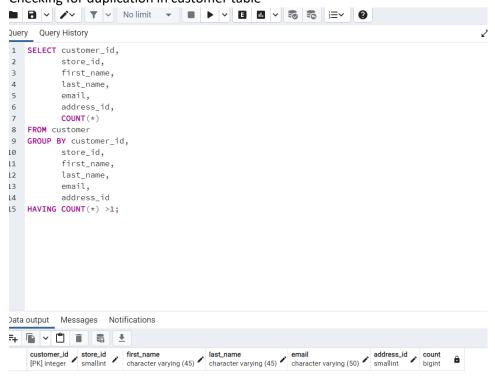
Answers 3.6

1. **Check for and clean dirty data:** Find out if the film table and the customer table contain any dirty data, specifically non-uniform or duplicate data, or missing values. Create a new "Answers 3.6" document and copy-paste your queries into it. Next to each query write 2 to 3 sentences explaining how you would clean the data (even if the data is not dirty).

Checking for duplication in film

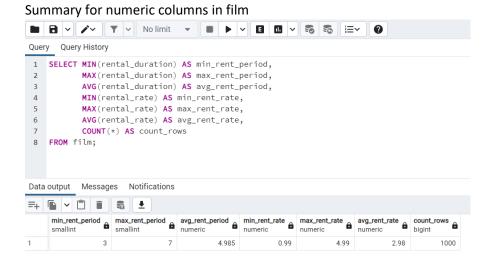


Checking for duplication in customer table

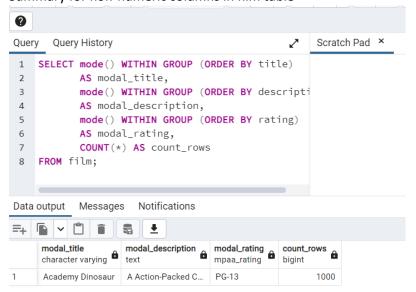


There is no returned duplicate value. If there were duplication, there would have been two ways to deal with it. One, create a virtual table "view" where unique records can be selected. Two, Delete duplicate record from the table or view. If neither of those are permitted by the company, we can use GROUP BY or DISTINCT to select unique records.

Summarize your data: Use SQL to calculate descriptive statistics for both the film table and the
customer table. For numerical columns, this means finding the minimum, maximum, and average
values. For non-numerical columns, calculate the mode value. Copy-paste your SQL queries and their
outputs into your answers document.



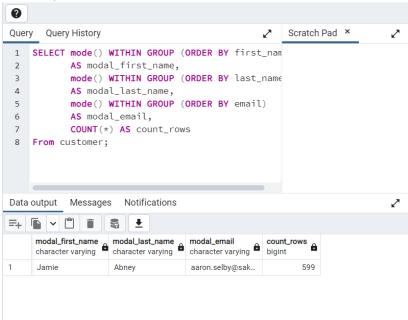
Summary for non-numeric columns in film table



Summary for numeric columns in customer table



Summary of non-numeric columns in customer table



3. **Reflect on your work:** Back in Achievement 1 you learned about data profiling in Excel. Based on your previous experience, which tool (Excel or SQL) do you think is more effective for data profiling, and why? Consider their respective functions, ease of use, and speed. Write a short paragraph in the running document that you have started.

Excel works best with smaller data, while using pivot tables are easy, it is harder where there is a massive about of data. SQL is easier to manipulate with large data, which is also faster. You can also answer specific questions, more detailed questions and with the right query answers pop up much quicker.