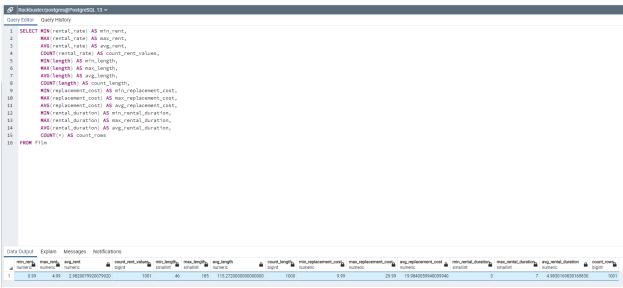
```
Query Editor
                                                 Query History
                                                  customer_id,
                                      1
                                         SELECT
                                                  store_id,
                                      2
                                      3
                                                  first_name,
                                      4
                                                  last_name,
Query Editor
            Query History
                                      5
                                                  email,
                                                  address_id,
                                      6
 1
    SELECT title,
                                      7
                                                  activebool,
            release_year,
 2
                                                  create_date,
 3
            language_id,
                                      8
                                      9
                                                  last_update,
 4
            rental_duration,
                                                  active,
                                     10
            length,
 5
                                         COUNT(*)
                                     11
            replacement_cost,
 6
                                     12
                                         FROM
                                                  customer
 7
            rating,
                                         GROUP BY
                                     13
            last_update,
 8
            COUNT(*)
                                     14
                                                  customer_id,
 9
                                                  store_id,
                                     15
10
    FROM film
                                                  first_name,
                                     16
11
    GROUP BY title,
                                                  last_name,
                                     17
12
            release_year,
                                                  email,
            language_id,
                                     18
13
                                     19
                                                  address_id,
            rental_duration,
14
                                     20
                                                  activebool,
15
            length,
                                                  create_date,
                                     21
            replacement_cost,
16
                                                  last_update,
                                     22
17
            rating,
                                                  active
18
            last_update
                                     23
                                     24
                                         HAVING COUNT(*) >1
    HAVING COUNT(*) >1
19
```

No duplicates found in either table. If any data was found to be a duplicate, I would first verify that the data was indeed a duplicate, then make the necessary changes to it in order to either make it correct or flag it for deletion.

2) Film Table

Numerical



Non-Numerical

```
Query Editor Query History
    SELECT MODE() WITHIN GROUP (ORDER BY release_year) AS "mode_release_year",
2
             MODE() WITHIN GROUP (ORDER BY language_id) AS "mode_language_id",
             MODE() WITHIN GROUP (ORDER BY rating) AS "mode_rating"
3
4 FROM film
                               Notifications
Data Output Explain Messages
   mode_release_year_ mode_language_id_.
                                  mode_rating
mpaa_rating

    integer

                   smallint
                                 1 PG-13
1
              2006
```

Customer Table

Non-Numerical

Query Editor Query History MODE() WITHIN GROUP (ORDER BY store_id) AS "mode_store_id", SELECT 2 MODE() WITHIN GROUP (ORDER BY first_name) AS "mode_first_name", MODE() WITHIN GROUP (ORDER BY last_name) AS "mode_last_name", 3 4 MODE() WITHIN GROUP (ORDER BY activebool) AS "mode_activebool", MODE() WITHIN GROUP (ORDER BY create_date) AS "mode_create_date" 5 6 FROM customer Data Output Explain Messages Notifications mode_activeboo mode_store_id_ mode_first_name_ mode_last_name_ mode_create_date_ smallint character varying character varying boolean date Jamie Abney true 2006-02-14

Numerical data not necessary in customer table.

3) I'm still partial to Excel because of a) familiarity and b) I find it easier to use filter and find the results I want or to edit and manipulate the data I need vs trying to write code to do all of that. However, I know that eventually we're going to be seeing more and more tables and the next section deals with combining and joining tables, so it can eventually grow to be too large for excel to handle. That being said, so far I'm still preferring Excel.