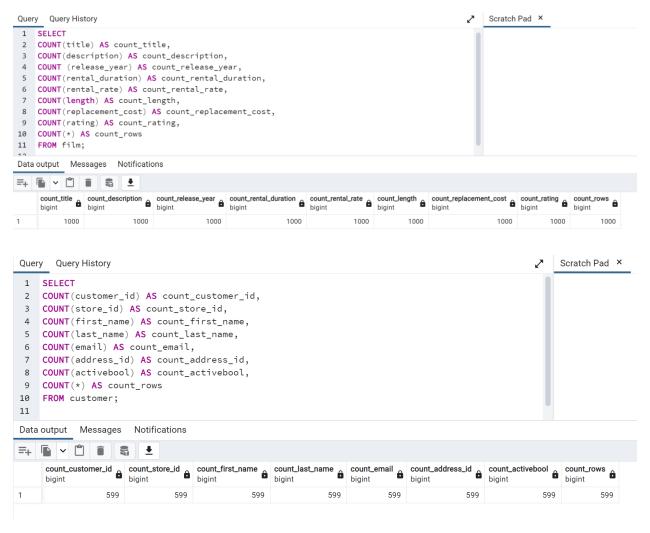
Step 1
To find duplicates:

```
Query Query History
     SELECT title, release_year, COUNT(*)
 1
     FROM film
    GROUP BY title, release_year
 3
 4
    HAVING COUNT(*) >1;
 5
Data output
             Messages
                        Notifications
=+
                          release_year
                                       count
                                               ô
     character varying (255)
                          integer
                                       bigint
Query
       Query History
    SELECT first_name, last_name, COUNT(*)
 1
 2
    FROM customer
   GROUP BY first_name, last_name
 3
    HAVING COUNT(*) >1;
 4
 5
Data output
            Messages
                        Notifications
=+
     first_name
                         last_name
                                             count
     character varying (45)
                        character varying (45)
```

No duplicates were found in either table, but if there were, I could either delete the duplicates or create a view with unique records.

To find missing values:



No missing values were found in either table. If there were a few missing values, I could fill them in with an average, and if there are a lot of missing values, I could ignore the column.

Step 2

Films Table:

```
SELECT MIN(rental_rate) AS min_rental_rate,

MAX(rental_rate) AS max_rental_rate,

AVG(rental_rate) AS avg_rental_rate,

MIN(rental_duration) AS min_rental_duration,

MAX(rental_duration) AS max_rental_duration,

AVG(rental_duration) AS avg_rental_duration,

MIN(film_id) AS min_film_id,
```

MAX(film_id) AS max_film_id,

AVG(film_id) AS avg_film_id,

MIN(language_id) AS min_language_id,

MAX(language_id) AS max_language_id,

AVG(language_id) AS avg_language_id,

MIN(length) AS min_length,

MAX(length) AS max_length,

AVG(length) AS avg_length,

MIN(replacement_cost) AS min_replacement_cost,

MAX(replacement_cost) AS max_replacement_cost,

AVG(replacement_cost) AS avg_replacement_cost,

mode() WITHIN GROUP (ORDER BY rating) AS rating_value,

mode() WITHIN GROUP (ORDER BY special_features) AS feature_value,

mode() WITHIN GROUP (ORDER BY release_year) AS year_value

FROM film

"min_rental_rate	"max_rental_rate	"avg_rental_rate	"min_rental_dura tion"	"max_rental_dur ation"
0.99	4.99	2.98000000000 0000	3	7

"avg_rental_dura tion"	"min_film_id"	"max_film_id"	"avg_film_id"	"min_language_i d"
4.98500000000 0000	1	1000	500.5000000000 000000	1

"max_language_i d"	"avg_language_id "	"min_length"	"max_length"	"avg_length"
1	1.00000000000 00000000	46	185	115.2720000000 000000

"min_replace	"max_replace	"avg_replace	"rating_value"	"feature_valu	"year_value"
ment_cost"	ment_cost"	ment_cost"		e"	
9.99	29.99	19.984000000	"PG-13"	"{Trailers,Com	2006
		0000000		mentaries,""B	
				ehind the	
				Scenes""}"	

Customer Table:

SELECT MIN(active) AS min_active,

MAX(active) AS max_active,

AVG(active) AS avg_active,

MIN(address_id) AS min_address_id,

MAX(address_id) AS max_address_id,

AVG(address_id) AS avg_address_id,

MIN(customer_id) AS min_customer_id,

MAX(customer_id) AS max_customer_id,

AVG(customer_id) AS avg_customer_id,

MIN(store_id) AS min_store_id,

MAX(store_id) AS max_store_id,

AVG(store_id) AS avg_store_id,

mode() WITHIN GROUP (ORDER BY first_name) AS first_name_value,

mode() WITHIN GROUP (ORDER BY last_name) AS last_name_value,

mode() WITHIN GROUP (ORDER BY email) AS email_value

FROM customer;

"min_active"	"max_active"	"avg_active"	"min_address_id"	"max_address_id"
0	1	0.97495826377295492487	5	605

"avg_address_id"	"min_customer_i	"max_customer_i	"avg_customer_id"	"min_store_i
	d"	d"		d"
304.7245409015025	1	599	300.0000000000000	1
042			000	

"max_store_	"avg_store_id"	"first_name_val	"last_name_val	"email_value"
id"		ue"	ue"	
2	1.4557595993322	"Jamie"	"Abney"	"aaron.selby@sakilacustome
	204			r.org"

Step 3

I think that data profiling in SQL is much easier and faster because there is much less repetitive typing involved. This is especially true when working with large datasets. Excel would not be an efficient choice in this situation.