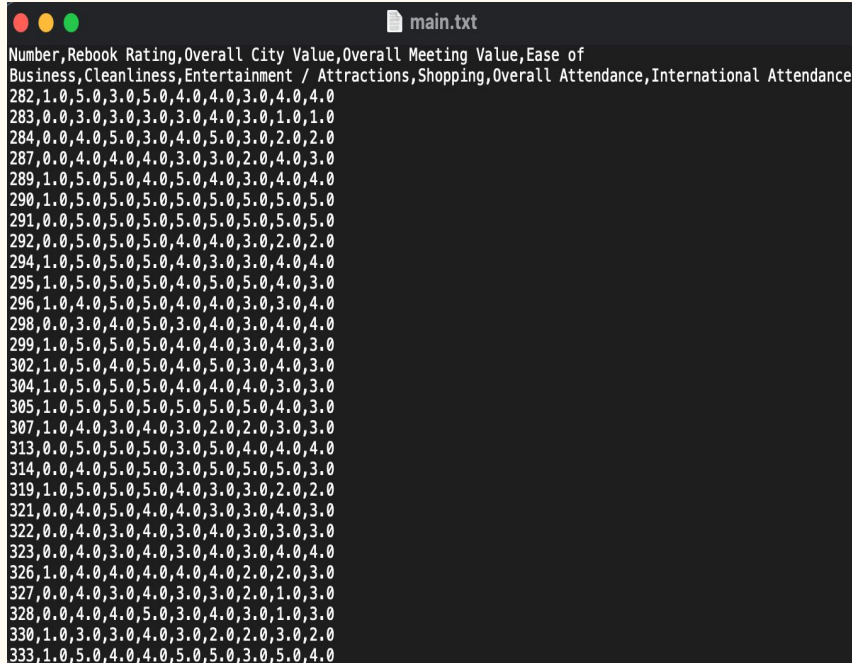


# Sql Journey Database Project

—

Ben Bowling

# Step 1: Convert .txt file to .csv



```
Number,Rebook Rating,Overall City Value,Overall Meeting Value,Ease of
Business,Cleanliness,Entertainment / Attractions,Shopping,Overall Attendance,International Attendance
282,1.0,5.0,3.0,5.0,4.0,4.0,3.0,4.0,4.0
283,0.0,3.0,3.0,3.0,3.0,4.0,3.0,1.0,1.0
284,0.0,4.0,5.0,3.0,4.0,5.0,3.0,2.0,2.0
287,0.0,4.0,4.0,4.0,3.0,3.0,2.0,4.0,3.0
289,1.0,5.0,5.0,4.0,5.0,4.0,3.0,4.0,4.0
290,1.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0
291,0.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0
292,0.0,5.0,5.0,5.0,4.0,4.0,3.0,2.0,2.0
294,1.0,5.0,5.0,5.0,4.0,3.0,3.0,4.0,4.0
295,1.0,5.0,5.0,5.0,4.0,5.0,5.0,4.0,3.0
296,1.0,4.0,5.0,5.0,4.0,4.0,3.0,3.0,4.0
298,0.0,3.0,4.0,5.0,3.0,4.0,3.0,4.0,4.0
299,1.0,5.0,5.0,5.0,4.0,4.0,3.0,4.0,3.0
302,1.0,5.0,4.0,5.0,4.0,5.0,3.0,4.0,3.0
304,1.0,5.0,5.0,5.0,4.0,4.0,4.0,3.0,3.0
305,1.0,5.0,5.0,5.0,5.0,5.0,5.0,4.0,3.0
307,1.0,4.0,3.0,4.0,3.0,2.0,2.0,3.0,3.0
313,0.0,5.0,5.0,5.0,3.0,5.0,4.0,4.0,4.0
314,0.0,4.0,5.0,5.0,3.0,5.0,5.0,5.0,3.0
319,1.0,5.0,5.0,5.0,4.0,3.0,3.0,2.0,2.0
321,0.0,4.0,5.0,4.0,4.0,3.0,3.0,4.0,3.0
322,0.0,4.0,3.0,4.0,3.0,4.0,3.0,3.0,3.0
323,0.0,4.0,3.0,4.0,3.0,4.0,3.0,4.0,4.0
326,1.0,4.0,4.0,4.0,4.0,4.0,2.0,2.0,3.0
327,0.0,4.0,3.0,4.0,3.0,3.0,2.0,1.0,3.0
328,0.0,4.0,4.0,5.0,3.0,4.0,3.0,1.0,3.0
330,1.0,3.0,3.0,4.0,3.0,2.0,2.0,3.0,2.0
333,1.0,5.0,4.0,4.0,5.0,5.0,3.0,5.0,4.0
```

- Initial goal: Create a database in PostgreSQL and prevent errors

Step 2: Opened the file in excel and made changes to the delimiter

Text Import Wizard - Step 1 of 3

The Text Wizard has determined that your data is **Delimited**.

If this is correct, choose Next, or choose the Data Type that best describes your data.

- ☒ Delimited - Characters such as commas or tabs separate each field.
- ☐ Fixed width - Fields are aligned in columns with spaces between each field.

Start import at row:  File origin:

Preview of selected data:

Preview of file /Users/benbowling/Desktop/main.txt.


1	Number,Rebook Rating,Overall City Value,Overall Meeting Value,Ease of Business,Cleanliness,Entertainment /
2	282,1.0,5.0,3.0,5.0,4.0,4.0,3.0,4.0,4.0
3	283,0.0,3.0,3.0,3.0,3.0,4.0,3.0,1.0,1.0
4	284,0.0,4.0,5.0,3.0,4.0,5.0,3.0,2.0,2.0
5	287,0.0,4.0,4.0,4.0,3.0,3.0,2.0,4.0,3.0
6	289,1.0,5.0,5.0,4.0,5.0,4.0,3.0,4.0,4.0
7	290,1.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0
8	291,0.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0,5.0
9	292,0.0,5.0,5.0,5.0,4.0,4.0,3.0,2.0,2.0

# Step 3: Changed delimiter to comma

## Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains.

### Delimiters

- ☐ Tab ☐ Treat consecutive delimiters as one
- ☐ Semicolon
- ☒ Comma
- ☐ Space
- ☐ Other:
- Text qualifier:  

Preview of selected data:

Number	Rebook Rating	Overall City Value	Overall Meeting Value	Ease of Business	Cleanliness	Entertainment / A
282	1.0	5.0	3.0	5.0	4.0	4.0
283	0.0	3.0	3.0	3.0	3.0	4.0
284	0.0	4.0	5.0	3.0	4.0	5.0
287	0.0	4.0	4.0	4.0	3.0	3.0
289	1.0	5.0	5.0	4.0	5.0	4.0
290	1.0	5.0	5.0	5.0	5.0	5.0
291	0.0	5.0	5.0	5.0	5.0	5.0
292	0.0	5.0	5.0	5.0	4.0	4.0

Cancel

< Back


Next >

Finish

## Text Import Wizard - Step 3 of 3

This screen lets you select each column and set the Data Format.

Column data format

- ☒ General
- ☐ Text
- ☐ Date:  
- ☐ Do not import column (Skip)

Advanced...

Preview of selected data:

General	General	General	General	General	General	General
Number	Rebook Rating	Overall City Value	Overall Meeting Value	Ease of Business	Cleanliness	Entertainment / A
282	1.0	5.0	3.0	5.0	4.0	4.0
283	0.0	3.0	3.0	3.0	3.0	4.0
284	0.0	4.0	5.0	3.0	4.0	5.0
287	0.0	4.0	4.0	4.0	3.0	3.0
289	1.0	5.0	5.0	4.0	5.0	4.0
290	1.0	5.0	5.0	5.0	5.0	5.0
291	0.0	5.0	5.0	5.0	5.0	5.0
292	0.0	5.0	5.0	5.0	4.0	4.0

Cancel

< Back

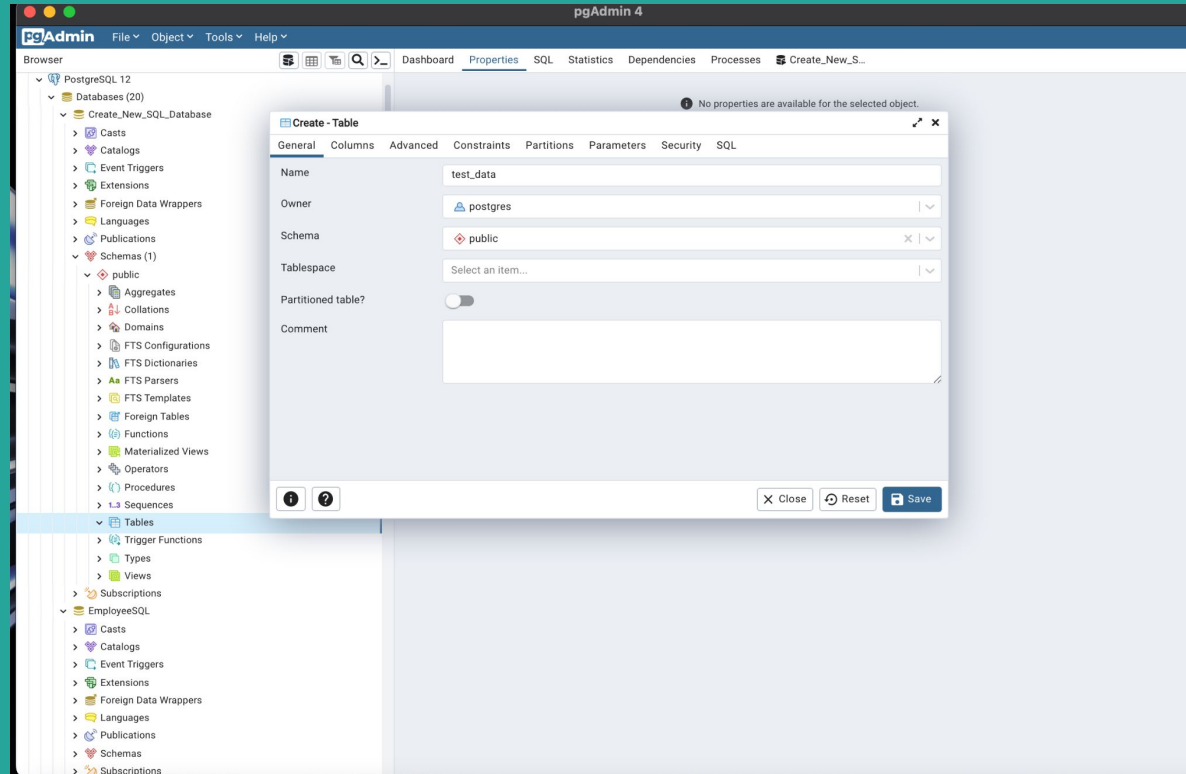
Next >

Finish

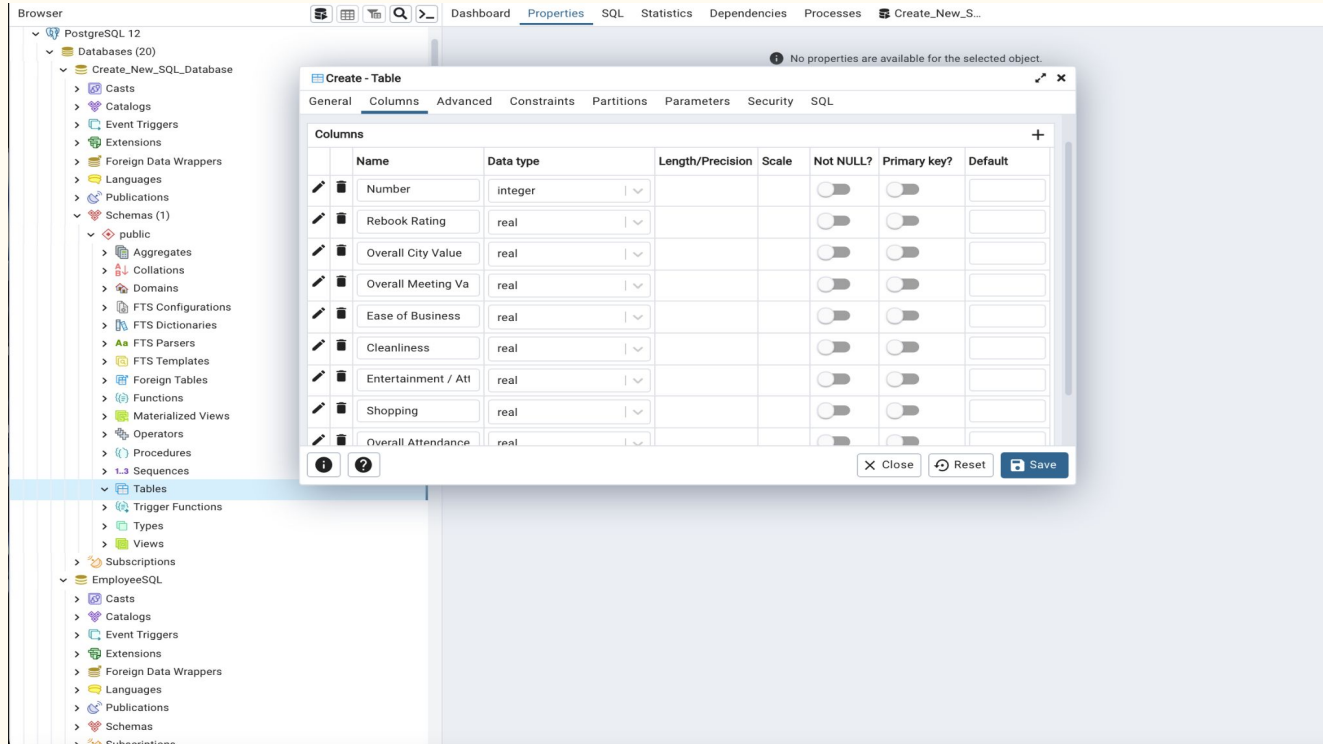
## Step 4: Saved the document as a .csv

main_data											
	Number	Rebook Rating	Overall City Value	Overall Meeting Value	Ease of Business	Cleanliness	Entertainment / Attractions	Shopping	Overall Attendance	International Attendance	
1											
2	282	1.0	5.0	3.0	5.0	4.0	4.0	3.0	4.0	4.0	
3	283	0.0	3.0	3.0	3.0	3.0	4.0	3.0	1.0	1.0	
4	284	0.0	4.0	5.0	3.0	4.0	5.0	3.0	2.0	2.0	
5	287	0.0	4.0	4.0	4.0	3.0	3.0	2.0	4.0	3.0	
6	289	1.0	5.0	5.0	4.0	5.0	4.0	3.0	4.0	4.0	
7	290	1.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	
8	291	0.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	
9	292	0.0	5.0	5.0	5.0	4.0	4.0	3.0	2.0	2.0	
10	294	1.0	5.0	5.0	5.0	4.0	3.0	3.0	4.0	4.0	
11	295	1.0	5.0	5.0	5.0	4.0	5.0	5.0	4.0	3.0	
12	296	1.0	4.0	5.0	5.0	4.0	4.0	3.0	3.0	4.0	
13	298	0.0	3.0	4.0	5.0	3.0	4.0	3.0	4.0	4.0	
14	299	1.0	5.0	5.0	5.0	4.0	4.0	3.0	4.0	3.0	
15	302	1.0	5.0	4.0	5.0	4.0	5.0	3.0	4.0	3.0	
16	304	1.0	5.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0	
17	305	1.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	3.0	
18	307	1.0	4.0	3.0	4.0	3.0	2.0	2.0	3.0	3.0	
19	313	0.0	5.0	5.0	5.0	3.0	5.0	4.0	4.0	4.0	
20	314	0.0	4.0	5.0	5.0	3.0	5.0	5.0	5.0	3.0	
21	319	1.0	5.0	5.0	5.0	4.0	3.0	3.0	2.0	2.0	
22	321	0.0	4.0	5.0	4.0	4.0	3.0	3.0	4.0	3.0	
23	322	0.0	4.0	3.0	4.0	3.0	4.0	3.0	3.0	3.0	
24	323	0.0	4.0	3.0	4.0	3.0	4.0	3.0	4.0	4.0	

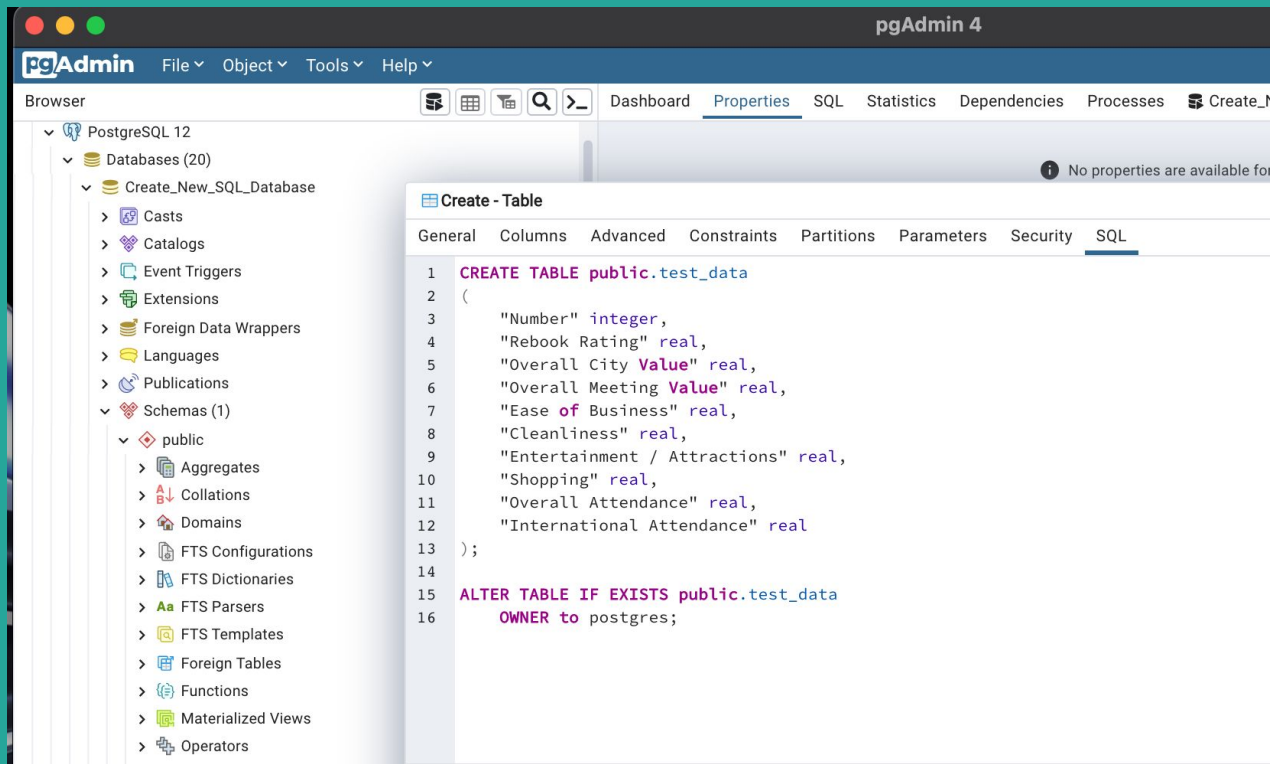
# Step 5: Created a new database in PostgreSQL and named it “test\_data”



## Step 6: Created column header names and assigned data types to each column

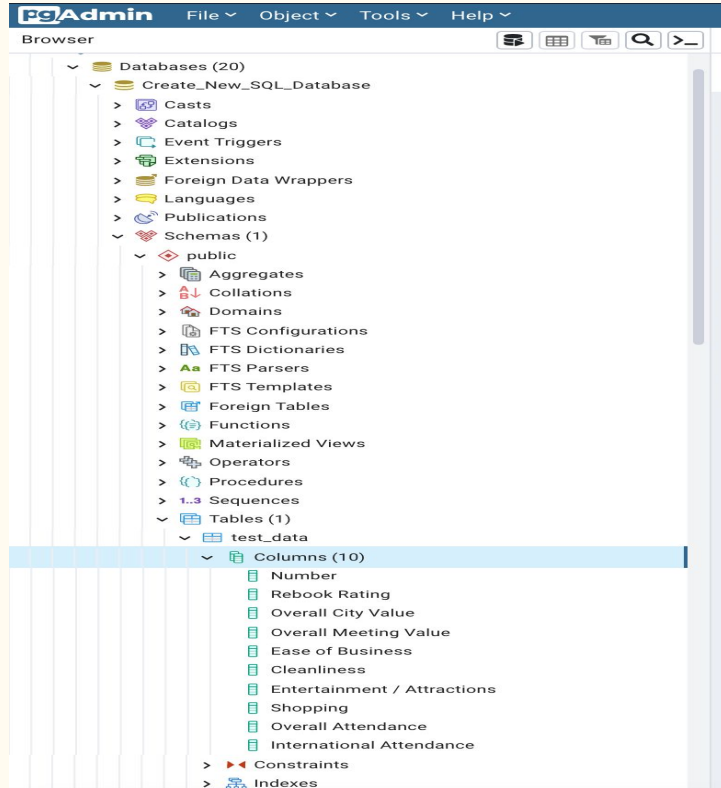


# Step 8: Review SQL tab to see your table

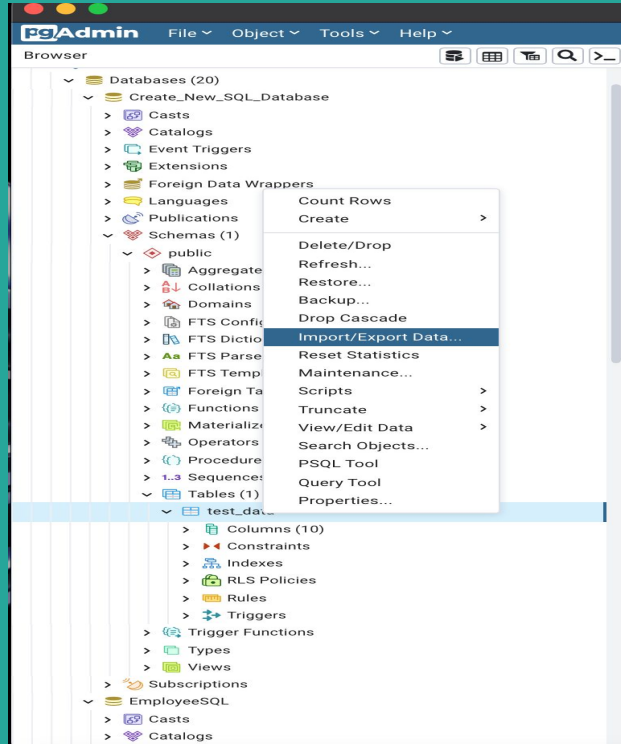




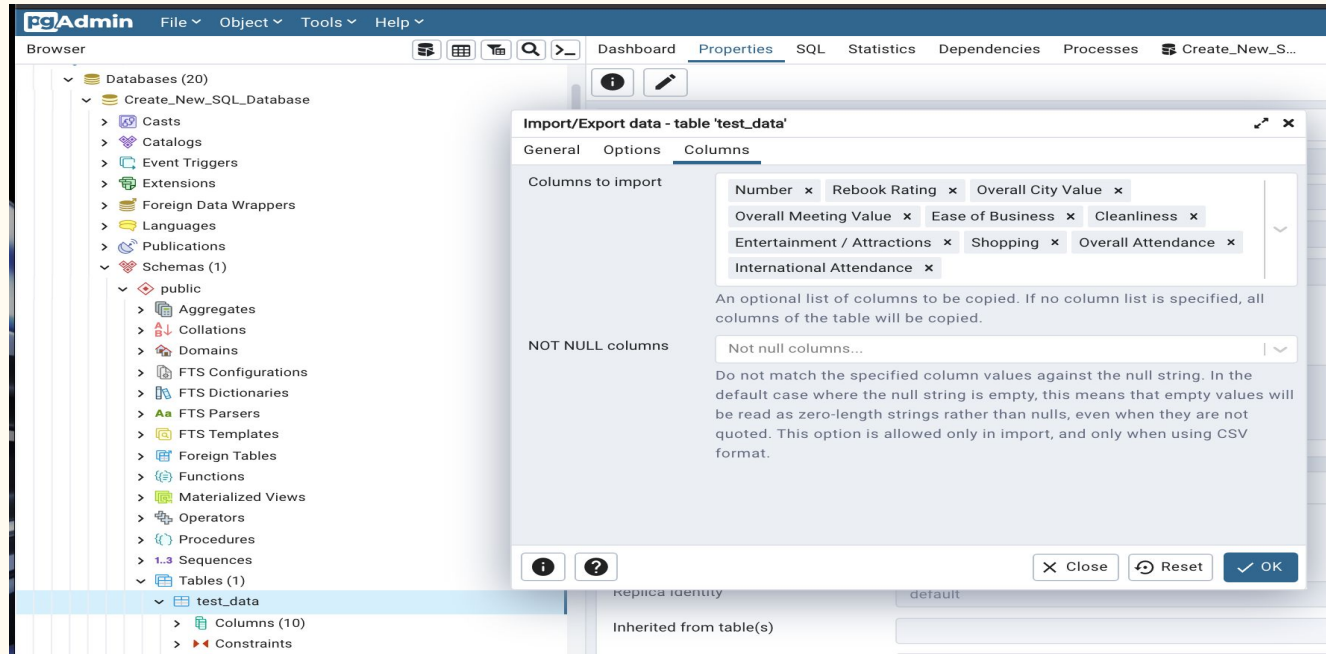
# Step 9: Counted the number of columns to avoid import errors



# Step 10: Imported the data from csv file into PostgreSQL



# Step 11: Conducted a final review of the database to verify that all columns were present and correct



# Step 12: Process Started/Process Completed

The screenshot displays the pgAdmin 4 web interface. On the left, the 'Browser' pane shows a tree view of the database structure. The 'Create\_New\_SQL\_Database' database is expanded, showing its 'public' schema. Under the 'public' schema, the 'Tables (1)' folder is expanded, and the 'test\_data' table is selected. The right pane shows the 'Properties' tab for the 'test\_data' table. The 'General' section displays the table's name ('test\_data'), OID ('73818'), owner ('postgres'), and tablespace ('pg\_default'). The 'Advanced' section shows various settings like 'RLS Policy?', 'Force RLS Policy?', 'Replica Identity', and 'Inherited from table(s)'. Two green notification boxes are overlaid on the right pane. The top box, titled 'Process completed', states: 'Copying table data 'public.test\_data' on database 'Create\_New\_SQL\_Database' and server 'PostgreSQL 12 (localhost:5432)''. The bottom box, titled 'Process started', states: 'Copying table data 'public.test\_data' on database 'Create\_New\_SQL\_Database' and server 'PostgreSQL 12 (localhost:5432)'. Both boxes include a 'View Processes' button.

**General**

- Name: test\_data
- OID: 73818
- Owner: postgres
- Tablespace: pg\_default
- Partitioned table?: ☐
- System table?: ☐
- Comment:

**Advanced**

- RLS Policy?: ☐
- Force RLS Policy?: ☐
- Replica Identity: default
- Inherited from table(s):
- Inherited tables count: 0
- Of type:
- Has OIDs?: ☐
- Unlogged?: ☐
- Primary key:
- Rows (estimated): 0
- Rows (counted): 0

**Process completed**

Copying table data 'public.test\_data' on database 'Create\_New\_SQL\_Database' and server 'PostgreSQL 12 (localhost:5432)'

[View Processes](#)

**Process started**

Copying table data 'public.test\_data' on database 'Create\_New\_SQL\_Database' and server 'PostgreSQL 12 (localhost:5432)'

[View Processes](#)

# Step 13: Successfully completed the database creation process

The screenshot displays the pgAdmin 4 interface. On the left, the 'Browser' pane shows the database structure under 'Create\_New\_SQL\_Database'. The 'public' schema is expanded, and the 'test\_data' table is selected. The table has 10 columns: Number (integer), Rebook Rating (real), Overall City Value (real), Overall Meeting Value (real), Ease of Business (real), Cleanliness (real), Entertainment / Attractions (real), Shopping (real), and Overall Attendance (real). The 'test\_data' table is expanded, showing its columns.

The right pane shows the SQL query editor with the query: `SELECT * FROM test_data`. The 'Data Output' pane displays the results of the query, showing 12 rows of data. A green status bar at the bottom indicates: 'Successfully run. Total query runtime: 212 msec. 87 rows affected. Ln 1, Col 24'.

	Number integer	Rebook Rating real	Overall City Value real	Overall Meeting Value real	Ease of Business real	Cleanliness real	Entertainment / Attractions real	Shopping real	Overall Attendance real
1	282	1	5	3	5	4	4	3	
2	283	0	3	3	3	3	4	3	
3	284	0	4	5	3	4	5	3	
4	287	0	4	4	4	3	3	2	
5	289	1	5	5	4	5	4	3	
6	290	1	5	5	5	5	5	5	
7	291	0	5	5	5	5	5	5	
8	292	0	5	5	5	4	4	3	
9	294	1	5	5	5	4	3	3	
10	295	1	5	5	5	4	5	5	
11	296	1	4	5	5	4	4	3	
12	298	0	3	4	5	3	4	3	