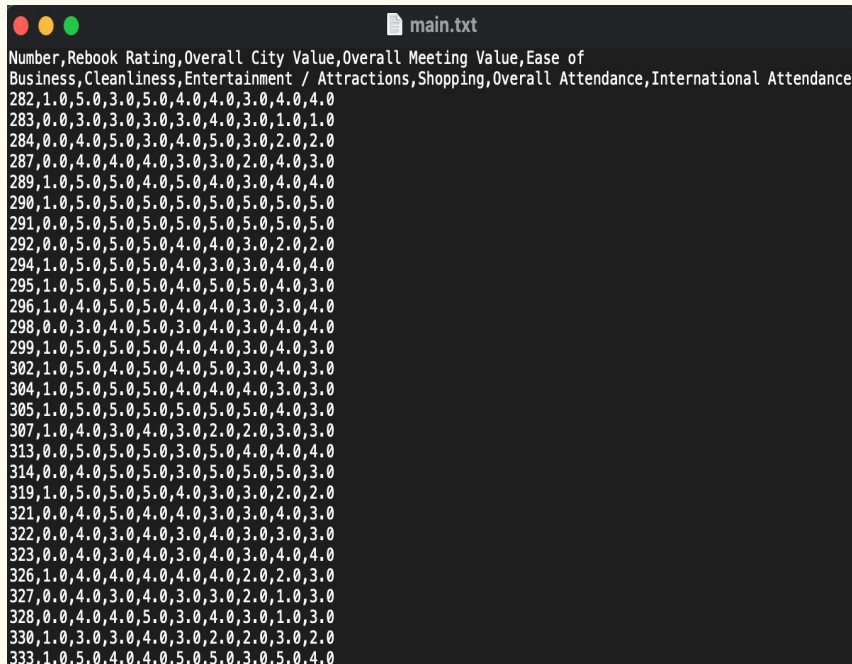


Sql Journey Database Project

—

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
```

- The initial goal was to create a Database in Postgres (SQL)
- Prevent errors

Step 2: Open Excel file

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

Cancel

< Back

Next >


Finish

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

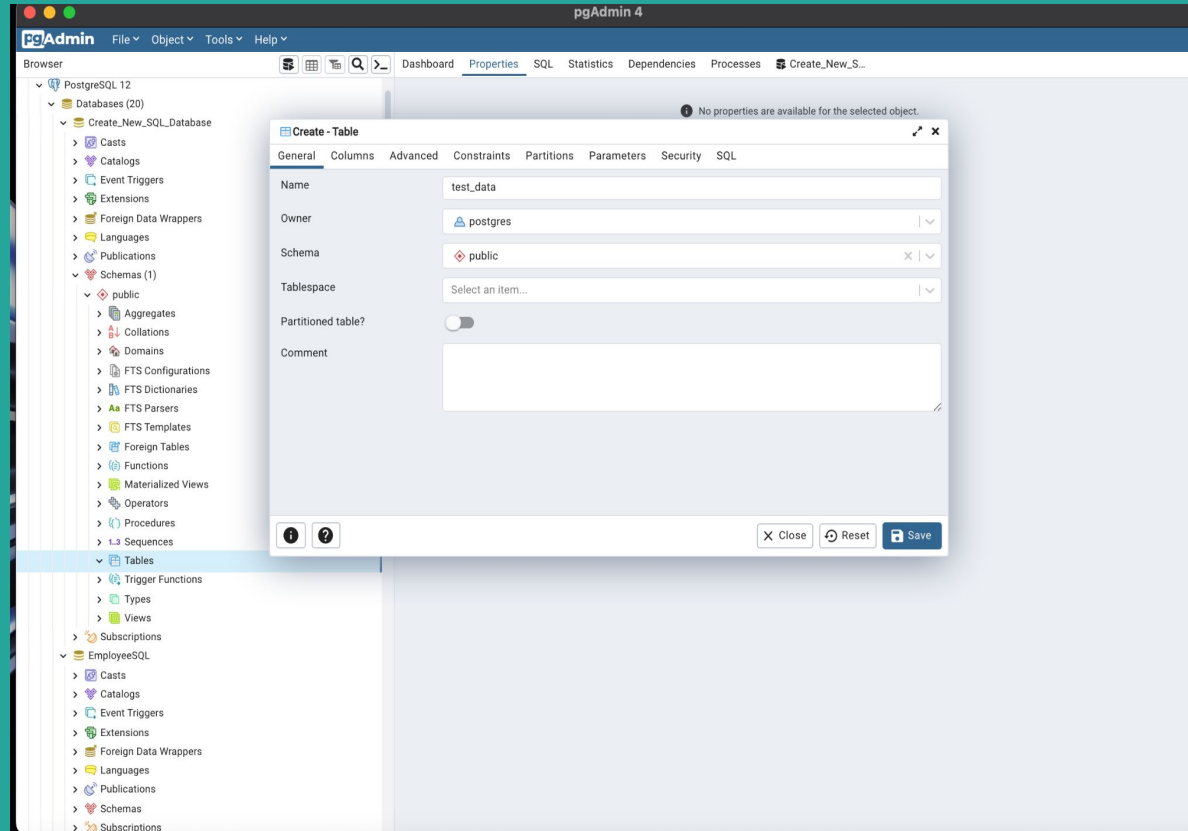
Next >

Finish

Step 4: Save as .csv

main_data											
1	Number	Rebook Rating	Overall City Value	Overall Meeting Value	Ease of Business	Cleanliness	Entertainment / Attractions	Shopping	Overall Attendance	International Attendance	
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: Create database and named it test_data



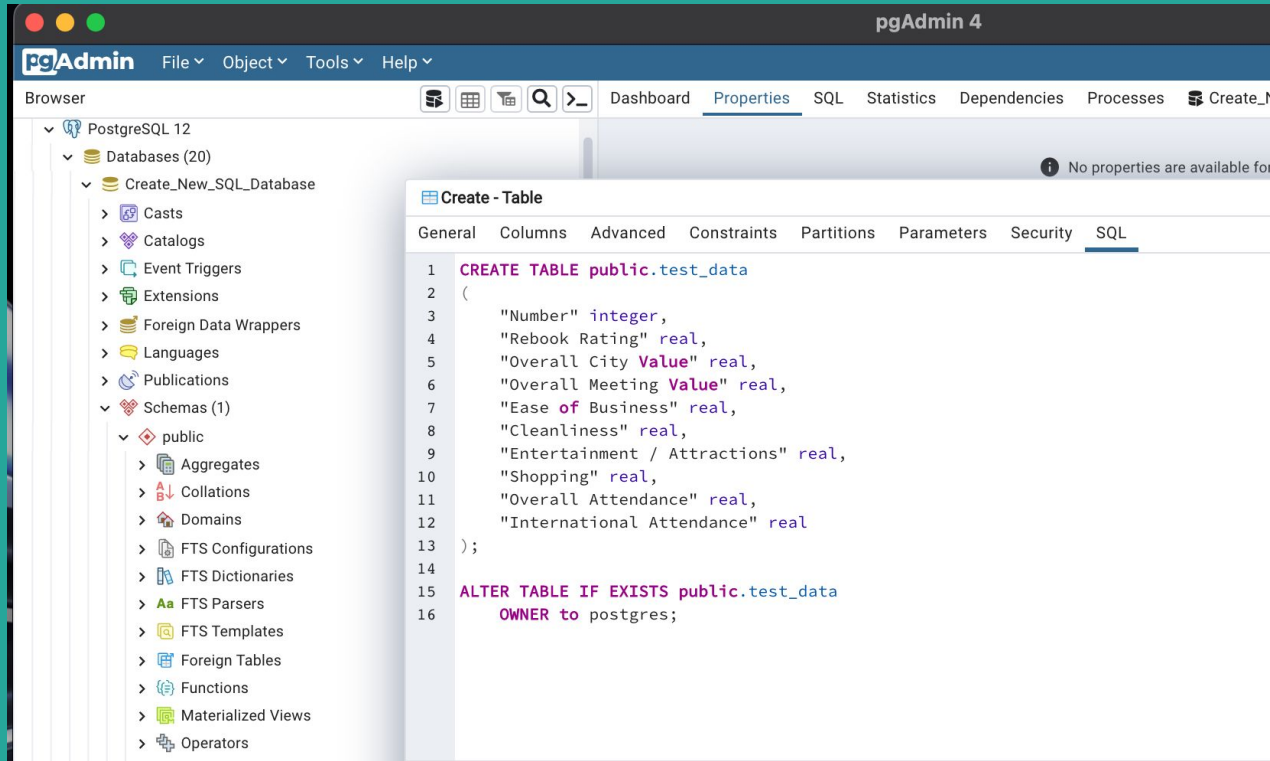
Step 6: Create column header name and data type

The screenshot displays the PostgreSQL 12 DBeaver interface. The 'Create Table' dialog box is open, showing the 'Columns' tab. The dialog lists the following columns:

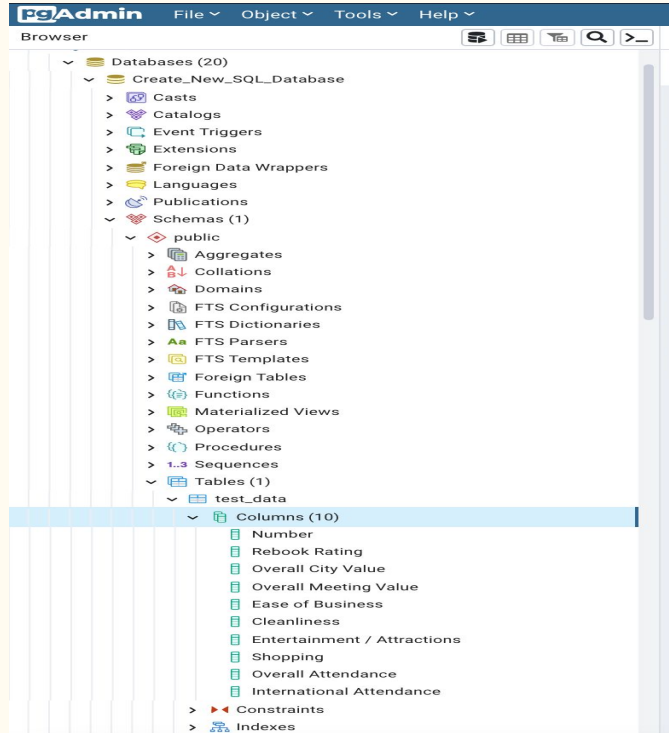
Name	Data type	Length/Precision	Scale	Not NULL?	Primary key?	Default
Number	integer			<input type="checkbox"/>	<input type="checkbox"/>	
Rebook Rating	real			<input type="checkbox"/>	<input type="checkbox"/>	
Overall City Value	real			<input type="checkbox"/>	<input type="checkbox"/>	
Overall Meeting Va	real			<input type="checkbox"/>	<input type="checkbox"/>	
Ease of Business	real			<input type="checkbox"/>	<input type="checkbox"/>	
Cleanliness	real			<input type="checkbox"/>	<input type="checkbox"/>	
Entertainment / Att	real			<input type="checkbox"/>	<input type="checkbox"/>	
Shopping	real			<input type="checkbox"/>	<input type="checkbox"/>	
Overall Attendance	real			<input type="checkbox"/>	<input type="checkbox"/>	

The background shows the database schema tree with 'Tables' selected under the 'public' schema.

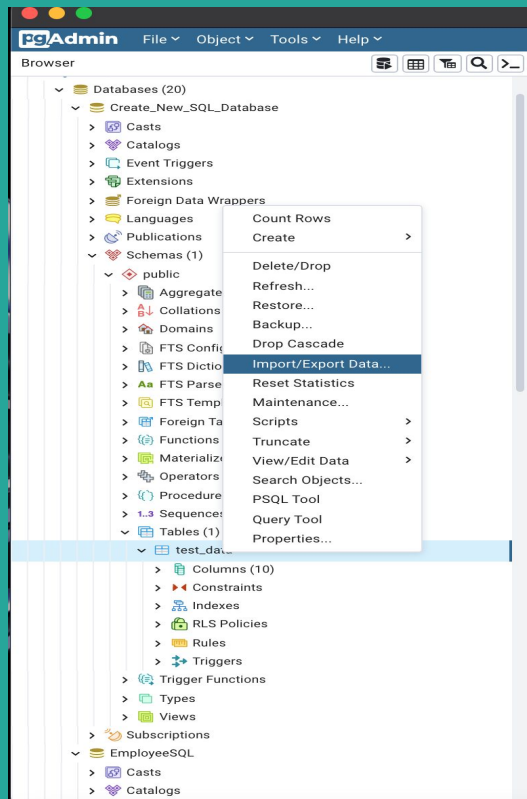
Step 8: Review SQL tab to see your table



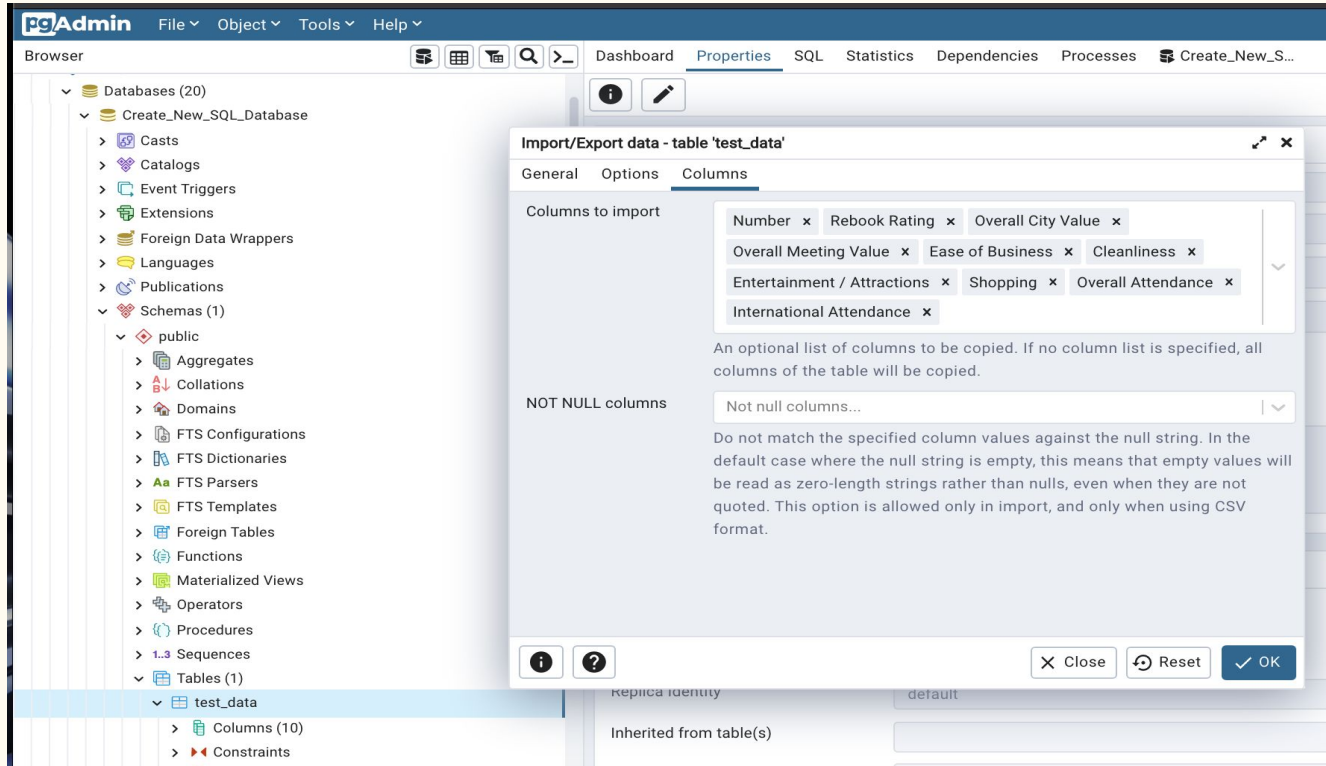
Step 9: Count columns to avoid import errors



Step 10: Import/Export Data



Step 11: Final review/ Check column before import



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 databases. Under 'Create_New_SQL_Database', the 'public' schema is expanded, and the 'test_data' table is selected. The right pane shows the 'Properties' tab for this table. The 'General' section includes fields for Name (test_data), OID (73818), Owner (postgres), and Tablespace (pg_default). The 'Advanced' section shows various options like RLS Policy, Force RLS Policy, and Replica Identity, all set to default or off. 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)'. It includes a 'View Processes' button. 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)'. It also includes a 'View Processes' button.

General

Name	test_data
OID	73818
Owner	postgres
Tablespace	pg_default
Partitioned table?	<input type="checkbox"/>
System table?	<input type="checkbox"/>
Comment	

Advanced

RLS Policy?	<input type="checkbox"/>
Force RLS Policy?	<input type="checkbox"/>
Replica Identity	default
Inherited from table(s)	
Inherited tables count	0
Of type	
Has OIDs?	<input type="checkbox"/>
Unlogged?	<input type="checkbox"/>
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 database for use

The screenshot displays the pgAdmin 4 web interface. On the left, the 'Browser' pane shows the database structure: 'Create_New_SQL_Database' > 'public' > 'Tables (1)' > 'test_data'. The 'test_data' table is selected, showing its columns: Number, Rebook Rating, Overall City Value, Overall Meeting Value, Ease of Business, Cleanliness, Entertainment / Attractions, Shopping, and Overall Attendance. The main pane shows a SQL query: `SELECT * FROM test_data`. Below the query, the 'Data Output' pane displays the results of the query execution. A status bar at the bottom indicates 'Total rows: 87 of 87' and 'Query complete 00:00:00.212'. A green message box at the bottom right states: 'Successfully run. Total query runtime: 212 msec. 87 rows affected.'

	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	