

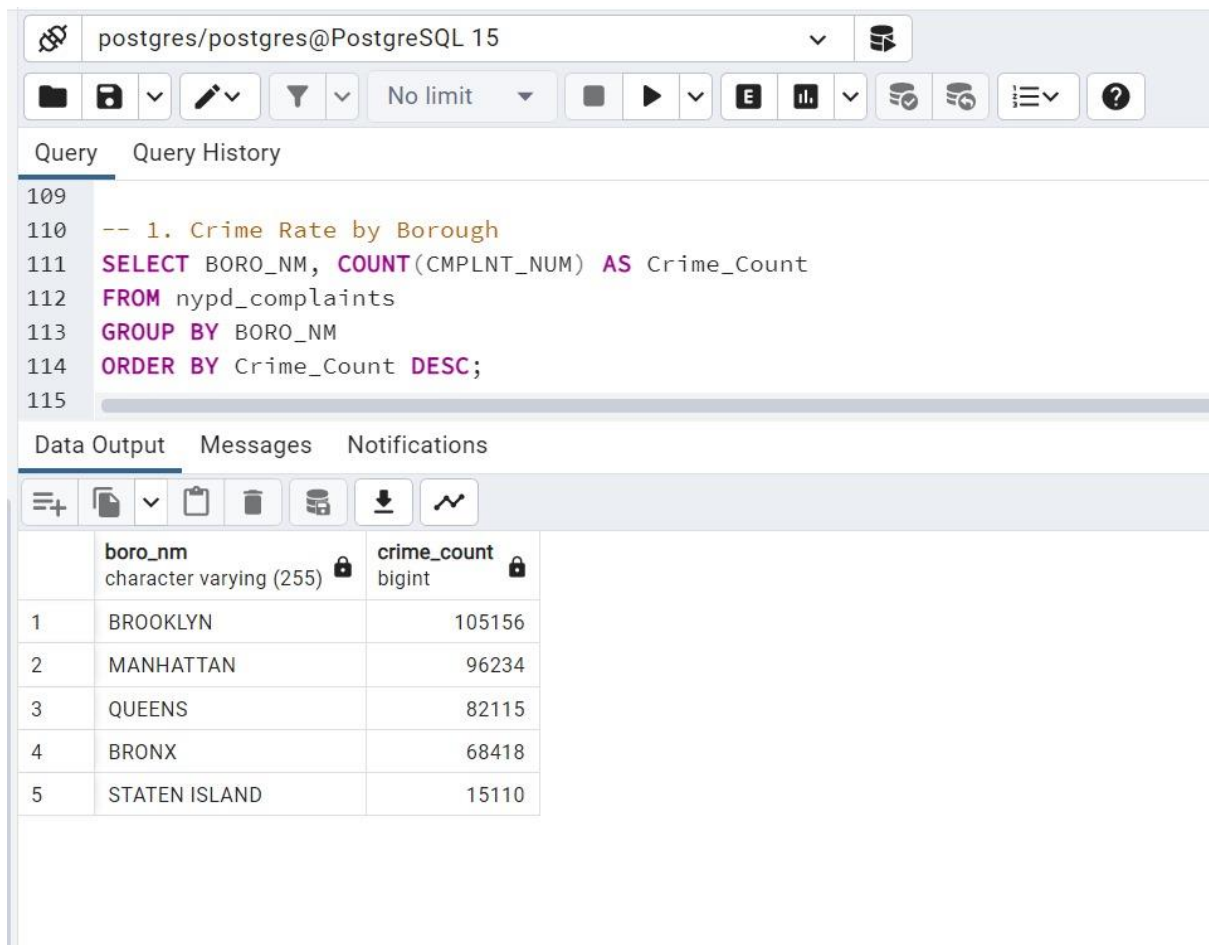
SCALABLE DATABASE

SQL SNIPPETS

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The screenshot shows a PostgreSQL client interface with the following components:

- Connection Bar:** Displays 'postgres/postgres@PostgreSQL 15'.
- Toolbar:** Includes icons for file operations, query execution, and settings. A dropdown menu is set to 'No limit'.
- Query Editor:** Contains the following SQL query:

```
109
110 -- 1. Crime Rate by Borough
111 SELECT BORO_NM, COUNT(CMPLNT_NUM) AS Crime_Count
112 FROM nypd_complaints
113 GROUP BY BORO_NM
114 ORDER BY Crime_Count DESC;
115
```
- Output Tabs:** 'Data Output', 'Messages', and 'Notifications' are visible, with 'Data Output' selected.
- Data Output Table:** Displays the results of the query in a table with two columns: 'boro_nm' (character varying (255)) and 'crime_count' (bigint). The data is sorted by crime count in descending order.

	boro_nm character varying (255)	crime_count bigint
1	BROOKLYN	105156
2	MANHATTAN	96234
3	QUEENS	82115
4	BRONX	68418
5	STATEN ISLAND	15110

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No limit

Query Query History

116

-- 2. Count the number of complaints by offense description for the specific year 2020

117

SELECT OFNS_DESC, COUNT(CMPLNT_NUM) AS Complaint_Count

118

FROM nypd_complaints

119

WHERE Year = 2020

120

GROUP BY OFNS_DESC

121

ORDER BY Complaint_Count DESC;

122

Data Output Messages Notifications

	ofns_desc character varying (255)	complaint_count bigint
1	GRAND LARCENY	131
2	PETIT LARCENY	101
3	SEX CRIMES	94
4	THEFT-FRAUD	90
5	HARRASSMENT 2	59
6	OFF. AGNST PUB ORD SENSBLTY &	44
7	RAPE	36
8	ASSAULT 3 & RELATED OFFENSES	24
9	FRAUDS	23
10	CRIMINAL MISCHIEF & RELATED OF	20
11	MISCELLANEOUS PENAL LAW	12

Total rows: 27 of 27 Query complete 00:00:00.535

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Query Query History

```

138 -- 4. List of Holidays in 2015
139 SELECT *
140 FROM ny_holidays
141 WHERE Year = 2015;

```

Data Output Messages Notifications

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	date [PK] date	holiday character varying (255)	weekday character varying (255)	month character varying (255)	day integer	year integer
1	2015-07-04	4th of July	Saturday	7	4	2015
2	2015-12-25	Christmas Day	Friday	12	25	2015
3	2015-12-24	Christmas Eve	Thursday	12	24	2015
4	2015-10-12	Columbus Day	Monday	10	12	2015
5	2015-04-12	Eastern Easter	Sunday	4	12	2015
6	2015-06-19	Juneteenth	Friday	6	19	2015
7	2015-09-07	Labor Day	Monday	9	7	2015
8	2015-09-05	Labor Day Weekend	Saturday	9	5	2015
9	2015-09-06	Labor Day Weekend	Sunday	9	6	2015
10	2015-01-19	Martin Luther King, Jr. Day	Monday	1	19	2015
11	2015-05-25	Memorial Day	Monday	5	25	2015
12	2015-01-01	New Year's Day	Thursday	1	1	2015
13	2015-12-31	New Year's Eve	Thursday	12	31	2015
14	2015-11-26	Thanksgiving Day	Thursday	11	26	2015
15	2015-11-25	Thanksgiving Eve	Wednesday	11	25	2015
16	2015-02-14	Valentine's Day	Saturday	2	14	2015
17	2015-11-11	Veterans Day	Wednesday	11	11	2015
18	2015-02-16	Washington's Birthday	Monday	2	16	2015
19	2012-04-08	Western Easter	Sunday	4	5	2015

Total rows: 19 of 19
Query complete 00:00:00.190

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No limit

Query Query History

```

143 -- 5. Top Crime Categories and their Occurrence Count
144 SELECT OFNS_DESC, COUNT(CMPLNT_NUM) AS Crime_Count
145 FROM nypd_complaints
146 GROUP BY OFNS_DESC
147 ORDER BY Crime_Count DESC
148 LIMIT 10;
149

```

Data Output Messages Notifications

	ofns_desc character varying (255)	crime_count bigint
1	PETIT LARCENY	79779
2	HARRASSMENT 2	57069
3	ASSAULT 3 & RELATED OFFENSES	38759
4	GRAND LARCENY	36708
5	CRIMINAL MISCHIEF & RELATED OF	31477
6	FELONY ASSAULT	18248
7	OFF. AGNST PUB ORD SENSBLTY &	12850
8	ROBBERY	12207
9	BURGLARY	11433
10	MISCELLANEOUS PENAL LAW	11073

Total rows: 10 of 10 Query complete 00:00:00.245

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Query
Query History

```

150 -- 6. Crime Count by Borough and Suspect Race
151 SELECT BORO_NM, SUSP_RACE, COUNT(CMPLNT_NUM) AS Crime_Count
152 FROM nypd_complaints
153 WHERE SUSP_RACE IS NOT NULL
154 GROUP BY BORO_NM, SUSP_RACE
155 ORDER BY BORO_NM, Crime_Count DESC;

```

Data Output
Messages
Notifications

	boro_nm character varying (255)	susp_race character varying (255)	crime_count bigint
1	BRONX	BLACK	20195
2	BRONX	UNKNOWN	16588
3	BRONX	WHITE HISPANIC	11330
4	BRONX	BLACK HISPANIC	5666
5	BRONX	WHITE	1705
6	BRONX	ASIAN / PACIFIC ISLANDER	471
7	BRONX	AMERICAN INDIAN/ALASKAN NATIVE	114
8	BROOKLYN	BLACK	34980
9	BROOKLYN	UNKNOWN	24550
10	BROOKLYN	WHITE HISPANIC	9326
11	BROOKLYN	WHITE	8507
12	BROOKLYN	ASIAN / PACIFIC ISLANDER	2382
13	BROOKLYN	BLACK HISPANIC	2292
14	BROOKLYN	AMERICAN INDIAN/ALASKAN NATIVE	165
15	MANHATTAN	BLACK	31200

Total rows: 35 of 35
Query complete 00:00:00.280

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Query Query History

Data Output Messages Notifications

	boro_nm character varying (255)	susp_race character varying (255)	crime_count bigint
16	MANHATTAN	UNKNOWN	26994
17	MANHATTAN	WHITE HISPANIC	12327
18	MANHATTAN	WHITE	8714
19	MANHATTAN	BLACK HISPANIC	4731
20	MANHATTAN	ASIAN / PACIFIC ISLANDER	1660
21	MANHATTAN	AMERICAN INDIAN/ALASKAN NATIVE	134
22	QUEENS	UNKNOWN	21809
23	QUEENS	BLACK	17416
24	QUEENS	WHITE HISPANIC	12151
25	QUEENS	ASIAN / PACIFIC ISLANDER	5856
26	QUEENS	WHITE	5817
27	QUEENS	BLACK HISPANIC	1738
28	QUEENS	AMERICAN INDIAN/ALASKAN NATIVE	199
29	STATEN ISLAND	BLACK	3377
30	STATEN ISLAND	UNKNOWN	2839
31	STATEN ISLAND	WHITE	2770
32	STATEN ISLAND	WHITE HISPANIC	1601
33	STATEN ISLAND	BLACK HISPANIC	339
34	STATEN ISLAND	ASIAN / PACIFIC ISLANDER	263
35	STATEN ISLAND	AMERICAN INDIAN/ALASKAN NATIVE	50

Total rows: 35 of 35 Query complete 00:00:00.280

