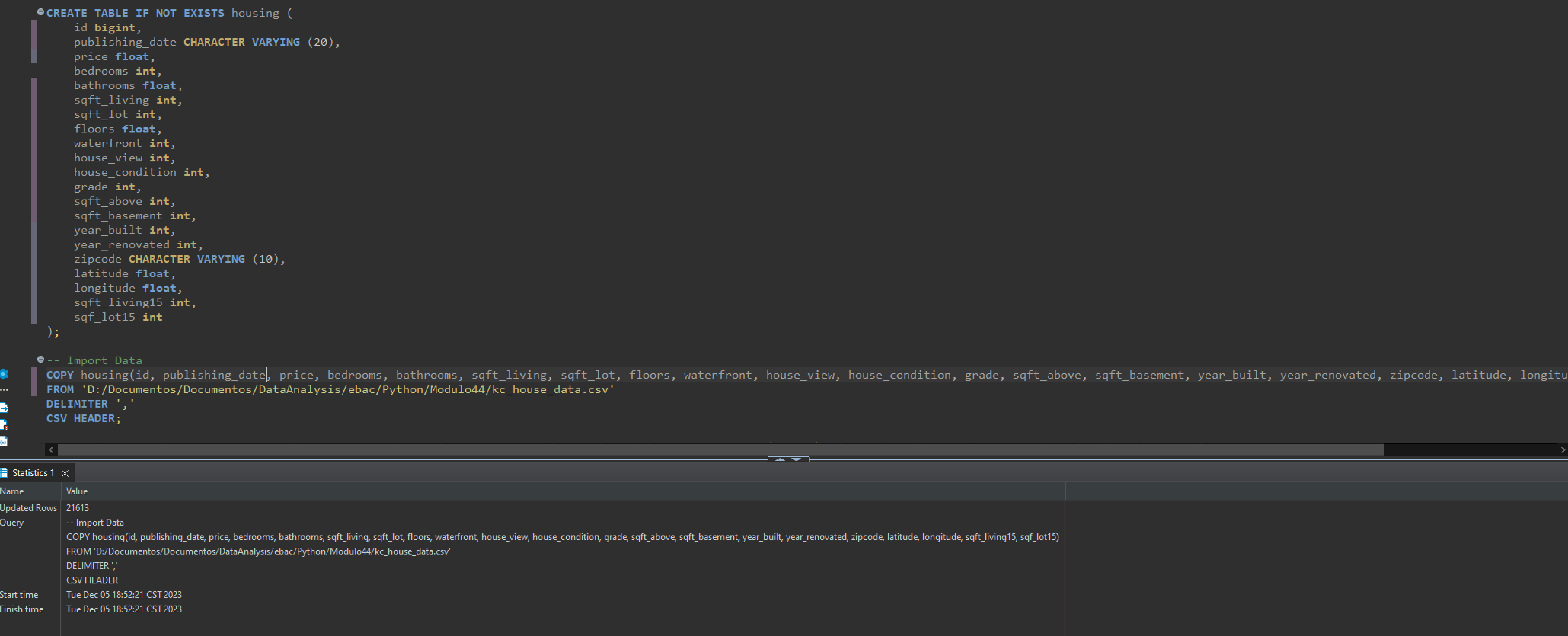
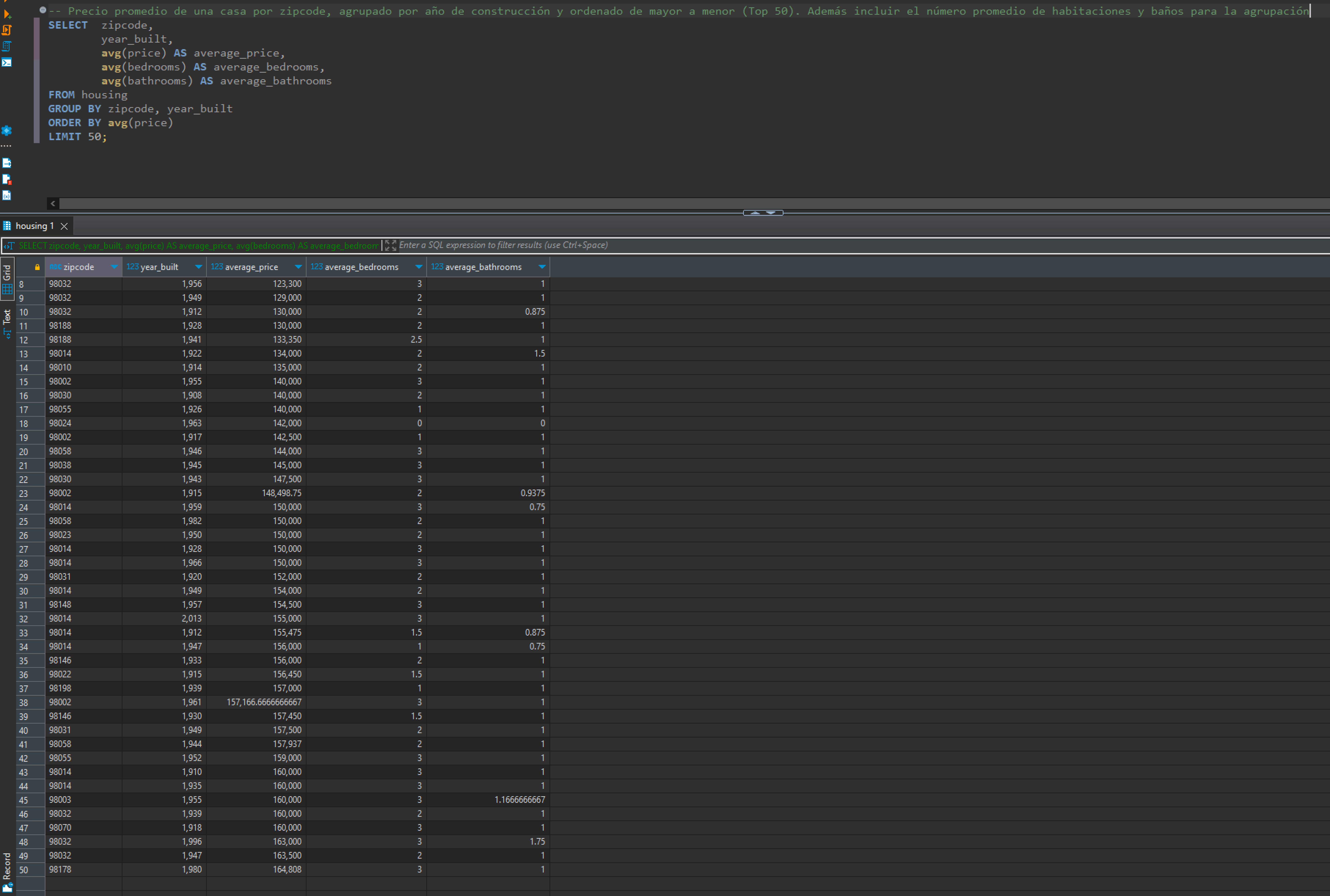


```sql
CREATE TABLE IF NOT EXISTS housing (
    id bigint,
    publishing_date CHARACTER VARYING (20),
    price float,
    bedrooms int,
    bathrooms float,
    sqft_living int,
    sqft_lot int,
    floors float,
    waterfront int,
    house_view int,
    house_condition int,
    grade int,
    sqft_above int,
    sqft_basement int,
    year_built int,
    year_renovated int,
    zipcode CHARACTER VARYING (10),
    latitude float,
    longitude float,
    sqft_living15 int,
    sqf_lot15 int
);

-- Import Data
COPY housing(id, publishing_date, price, bedrooms, bathrooms, sqft_living, sqft_lot, floors, waterfront, house_view, house_condition, grade, sqft_above, sqft_basement, year_built, year_renovated, zipcode, latitude, longitu
FROM 'D:/Documentos/Documentos/DataAnalysis/ebac/Python/Modulo44/kc_house_data.csv'
DELIMITER ','
CSV HEADER;
```

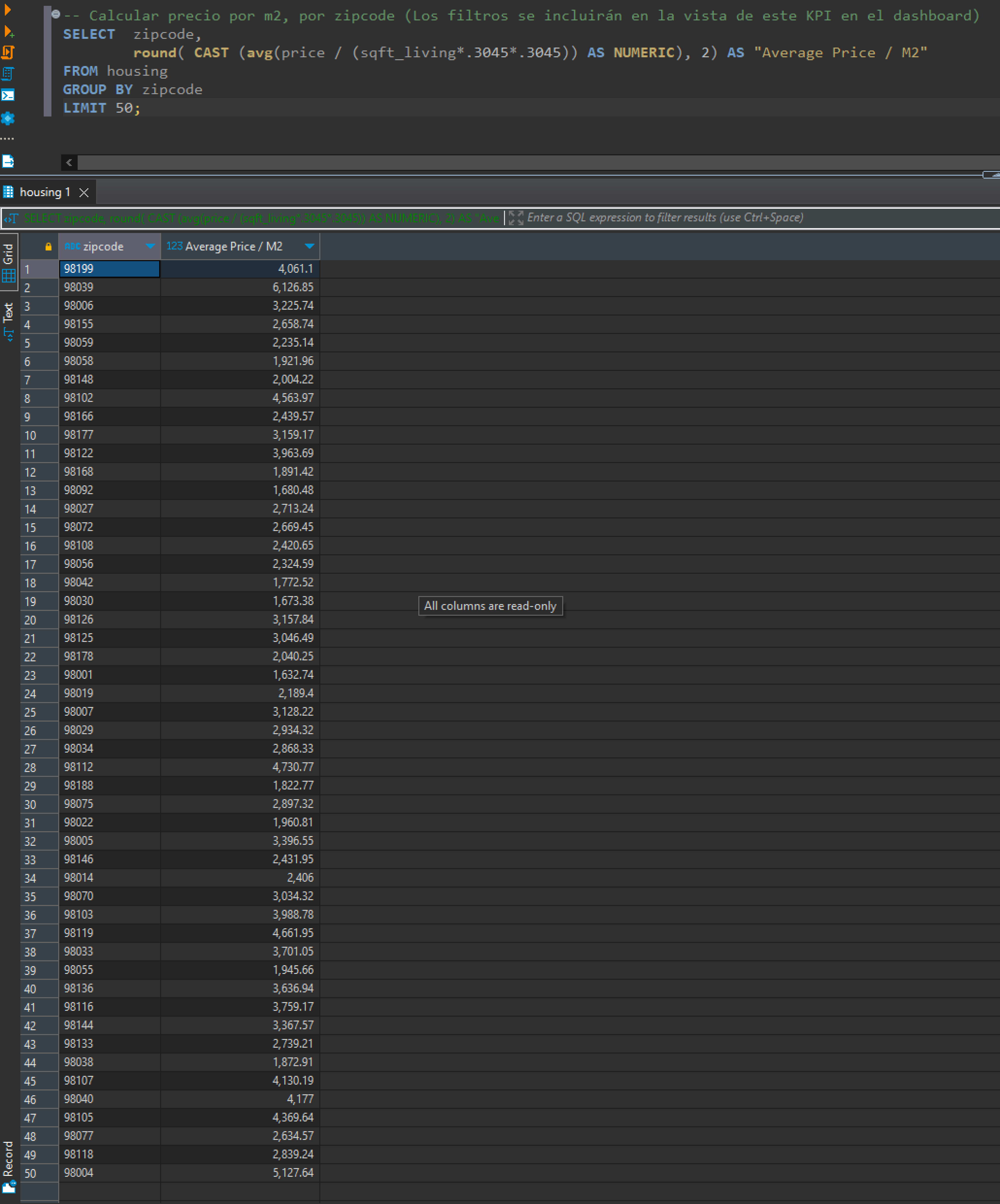
Name	Value
Updated Rows	21613
Query	-- Import Data COPY housing(id, publishing_date, price, bedrooms, bathrooms, sqft_living, sqft_lot, floors, waterfront, house_view, house_condition, grade, sqft_above, sqft_basement, year_built, year_renovated, zipcode, latitude, longitude, sqft_living15, sqft_lot15) FROM 'D:/Documentos/Documentos/DataAnalysis/ebac/Python/Modulo44/kc_house_data.csv' DELIMITER ',' CSV HEADER
Start time	Tue Dec 05 18:52:21 CST 2023
Finish time	Tue Dec 05 18:52:21 CST 2023



```sql
-- Precio promedio de una casa por zipcode, agrupado por año de construcción y ordenado de mayor a menor (Top 50). Además incluir el número promedio de habitaciones y baños para la agrupación
SELECT  zipcode,
        year_built,
        avg(price) AS average_price,
        avg(bedrooms) AS average_bedrooms,
        avg(bathrooms) AS average_bathrooms
FROM housing
GROUP BY zipcode, year_built
ORDER BY avg(price)
LIMIT 50;
```

SELECT zipcode, year_built, avg(price) AS average_price, avg(bedrooms) AS average_bedroom

	zipcode	year_built	average_price	average_bedrooms	average_bathrooms
8	98032	1,956	123,300	3	1
9	98032	1,949	129,000	2	1
10	98032	1,912	130,000	2	0.875
11	98188	1,928	130,000	2	1
12	98188	1,941	133,350	2.5	1
13	98014	1,922	134,000	2	1.5
14	98010	1,914	135,000	2	1
15	98002	1,955	140,000	3	1
16	98030	1,908	140,000	2	1
17	98055	1,926	140,000	1	1
18	98024	1,963	142,000	0	0
19	98002	1,917	142,500	1	1
20	98058	1,946	144,000	3	1
21	98038	1,945	145,000	3	1
22	98030	1,943	147,500	3	1
23	98002	1,915	148,498.75	2	0.9375
24	98014	1,959	150,000	3	0.75
25	98058	1,982	150,000	2	1
26	98023	1,950	150,000	2	1
27	98014	1,928	150,000	3	1
28	98014	1,966	150,000	3	1
29	98031	1,920	152,000	2	1
30	98014	1,949	154,000	2	1
31	98148	1,957	154,500	3	1
32	98014	2,013	155,000	3	1
33	98014	1,912	155,475	1.5	0.875
34	98014	1,947	156,000	1	0.75
35	98146	1,933	156,000	2	1
36	98022	1,915	156,450	1.5	1
37	98198	1,939	157,000	1	1
38	98002	1,961	157,166.6666666667	3	1
39	98146	1,930	157,450	1.5	1
40	98031	1,949	157,500	2	1
41	98058	1,944	157,937	2	1
42	98055	1,952	159,000	3	1
43	98014	1,910	160,000	3	1
44	98014	1,935	160,000	3	1
45	98003	1,955	160,000	3	1.1666666667
46	98032	1,939	160,000	2	1
47	98070	1,918	160,000	3	1
48	98032	1,996	163,000	3	1.75
49	98032	1,947	163,500	2	1
50	98178	1,980	164,808	3	1



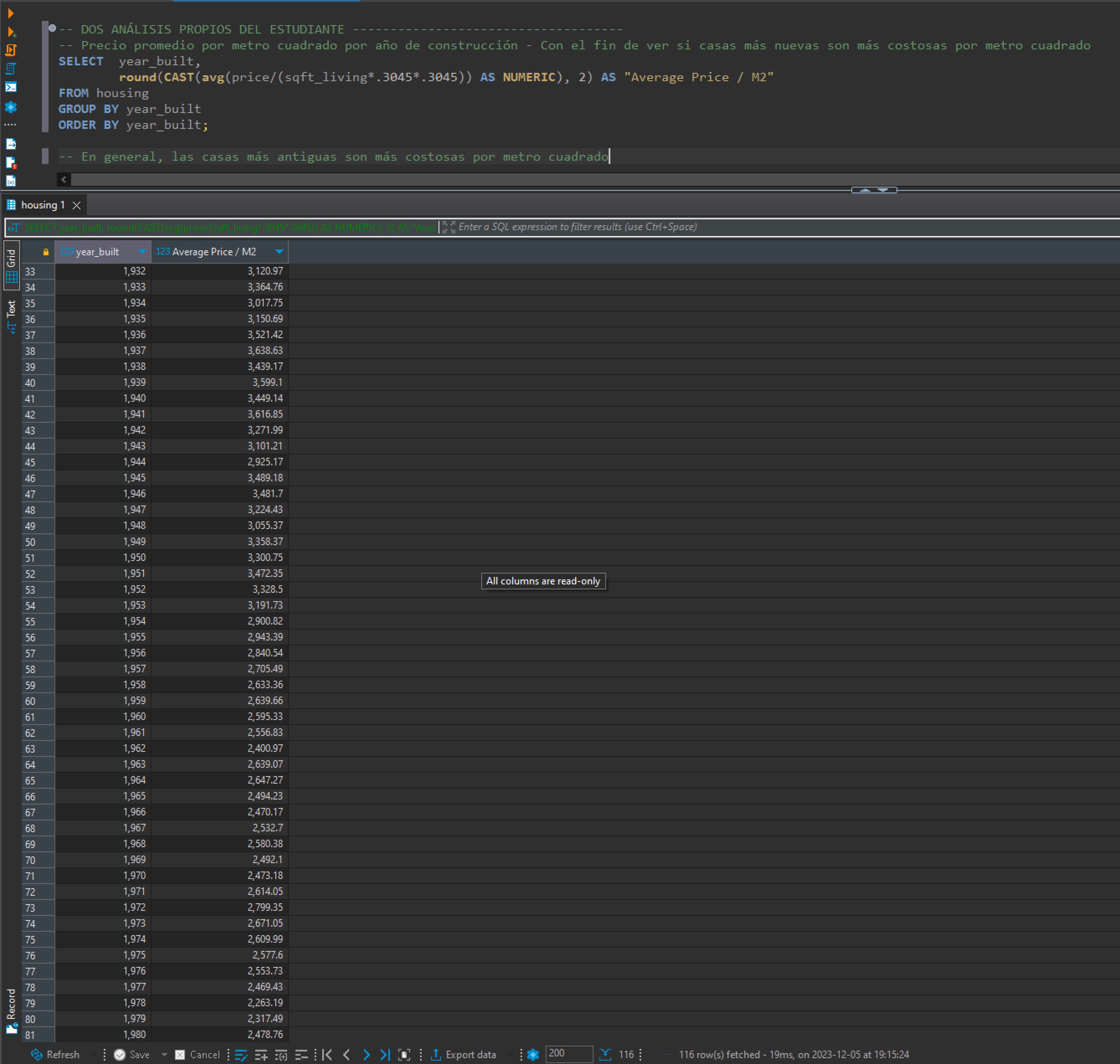
```sql
-- Calcular precio por m2, por zipcode (Los filtros se incluirán en la vista de este KPI en el dashboard)
SELECT  zipcode,
        round( CAST (avg(price / (sqft_living*.3045*.3045)) AS NUMERIC), 2) AS "Average Price / M2"
FROM housing
GROUP BY zipcode
LIMIT 50;
```

SELECT zipcode, round(CAST (avg(price / (sqft_living*.3045*.3045)) AS NUMERIC), 2) AS "Ave

Enter a SQL expression to filter results (use Ctrl+Space)

	zipcode	Average Price / M2
1	98199	4,061.1
2	98039	6,126.85
3	98006	3,225.74
4	98155	2,658.74
5	98059	2,235.14
6	98058	1,921.96
7	98148	2,004.22
8	98102	4,563.97
9	98166	2,439.57
10	98177	3,159.17
11	98122	3,963.69
12	98168	1,891.42
13	98092	1,680.48
14	98027	2,713.24
15	98072	2,669.45
16	98108	2,420.65
17	98056	2,324.59
18	98042	1,772.52
19	98030	1,673.38
20	98126	3,157.84
21	98125	3,046.49
22	98178	2,040.25
23	98001	1,632.74
24	98019	2,189.4
25	98007	3,128.22
26	98029	2,934.32
27	98034	2,868.33
28	98112	4,730.77
29	98188	1,822.77
30	98075	2,897.32
31	98022	1,960.81
32	98005	3,396.55
33	98146	2,431.95
34	98014	2,406
35	98070	3,034.32
36	98103	3,988.78
37	98119	4,661.95
38	98033	3,701.05
39	98055	1,945.66
40	98136	3,636.94
41	98116	3,759.17
42	98144	3,367.57
43	98133	2,739.21
44	98038	1,872.91
45	98107	4,130.19
46	98040	4,177
47	98105	4,369.64
48	98077	2,634.57
49	98118	2,839.24
50	98004	5,127.64

All columns are read-only



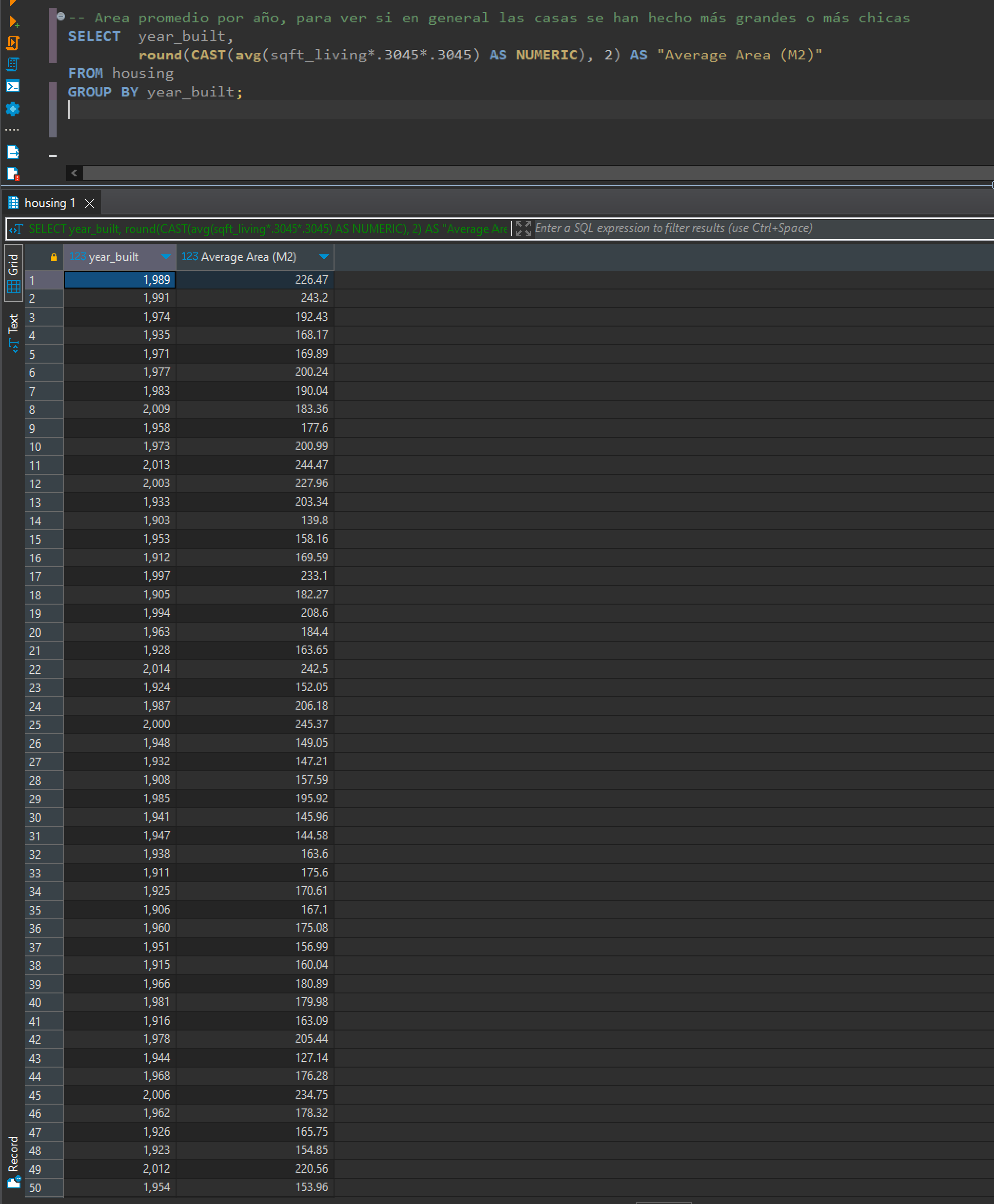
```sql
-- DOS ANÁLISIS PROPIOS DEL ESTUDIANTE ------------------------------------
-- Precio promedio por metro cuadrado por año de construcción - Con el fin de ver si casas más nuevas son más costosas por metro cuadrado
SELECT  year_built,
        round(CAST(avg(price/(sqft_living*.3045*.3045)) AS NUMERIC), 2) AS "Average Price / M2"
FROM housing
GROUP BY year_built
ORDER BY year_built;

-- En general, las casas más antiguas son más costosas por metro cuadrado
```

SELECT year_built, round(CAST(avg(price/(sqft_living*.3045*.3045)) AS NUMERIC), 2) AS "Aver

	year_built	Average Price / M2
33	1,932	3,120.97
34	1,933	3,364.76
35	1,934	3,017.75
36	1,935	3,150.69
37	1,936	3,521.42
38	1,937	3,638.63
39	1,938	3,439.17
40	1,939	3,599.1
41	1,940	3,449.14
42	1,941	3,616.85
43	1,942	3,271.99
44	1,943	3,101.21
45	1,944	2,925.17
46	1,945	3,489.18
47	1,946	3,481.7
48	1,947	3,224.43
49	1,948	3,055.37
50	1,949	3,358.37
51	1,950	3,300.75
52	1,951	3,472.35
53	1,952	3,328.5
54	1,953	3,191.73
55	1,954	2,900.82
56	1,955	2,943.39
57	1,956	2,840.54
58	1,957	2,705.49
59	1,958	2,633.36
60	1,959	2,639.66
61	1,960	2,595.33
62	1,961	2,556.83
63	1,962	2,400.97
64	1,963	2,639.07
65	1,964	2,647.27
66	1,965	2,494.23
67	1,966	2,470.17
68	1,967	2,532.7
69	1,968	2,580.38
70	1,969	2,492.1
71	1,970	2,473.18
72	1,971	2,614.05
73	1,972	2,799.35
74	1,973	2,671.05
75	1,974	2,609.99
76	1,975	2,577.6
77	1,976	2,553.73
78	1,977	2,469.43
79	1,978	2,263.19
80	1,979	2,317.49
81	1,980	2,478.76

All columns are read-only

116 row(s) fetched - 19ms, on 2023-12-05 at 19:15:24



```
-- Area promedio por año, para ver si en general las casas se han hecho más grandes o más chicas
SELECT  year_built,
        round(CAST(avg(sqft_living*.3045*.3045) AS NUMERIC), 2) AS "Average Area (M2)"
FROM housing
GROUP BY year_built;
```

housing 1
SELECT year_built, round(CAST(avg(sqft_living*.3045*.3045) AS NUMERIC), 2) AS "Average Are
Enter a SQL expression to filter results (use Ctrl+Space)
Grid
Text
Record

	year_built	Average Area (M2)
1	1,989	226.47
2	1,991	243.2
3	1,974	192.43
4	1,935	168.17
5	1,971	169.89
6	1,977	200.24
7	1,983	190.04
8	2,009	183.36
9	1,958	177.6
10	1,973	200.99
11	2,013	244.47
12	2,003	227.96
13	1,933	203.34
14	1,903	139.8
15	1,953	158.16
16	1,912	169.59
17	1,997	233.1
18	1,905	182.27
19	1,994	208.6
20	1,963	184.4
21	1,928	163.65
22	2,014	242.5
23	1,924	152.05
24	1,987	206.18
25	2,000	245.37
26	1,948	149.05
27	1,932	147.21
28	1,908	157.59
29	1,985	195.92
30	1,941	145.96
31	1,947	144.58
32	1,938	163.6
33	1,911	175.6
34	1,925	170.61
35	1,906	167.1
36	1,960	175.08
37	1,951	156.99
38	1,915	160.04
39	1,966	180.89
40	1,981	179.98
41	1,916	163.09
42	1,978	205.44
43	1,944	127.14
44	1,968	176.28
45	2,006	234.75
46	1,962	178.32
47	1,926	165.75
48	1,923	154.85
49	2,012	220.56
50	1,954	153.96