



# DOIT LIGHTNING TALK PRESENTATION: RENTSMART DASHBOARD

By Data Analytics Team Intern Joey Headley



# WHAT IS THE RENTSMART APP

<https://rentsmart.boston.gov/index.html>

CITY OF BOSTON

AN OFFICIAL CITY OF BOSTON WEBSITE

BOSTON.GOV



## RENTSMART BOSTON

Enter an address below to search  
for information about a  
residential property in Boston

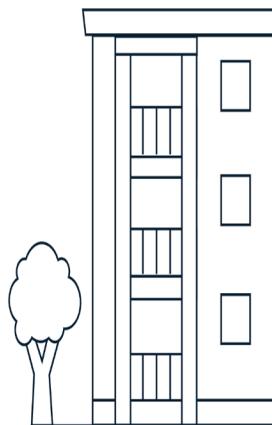
ADDRESS



UNIT NUMBER

ZIP CODE

SEARCH



CITY OF BOSTON

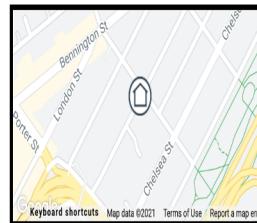
AN OFFICIAL CITY OF BOSTON WEBSITE

BOSTON.GOV

## RENTSMART BOSTON

NEW SEARCH

221 Paris St results:



OWNER [\(?\)](#)

RACHAK SAMUEL

PROPERTY TYPE

Residential 1-family

BUILT [\(?\)](#)

1900

Property Events:

PAST YEAR

PAST 3 YEARS

PAST 5 YEARS

HOUSING VIOLATIONS

0 Violation(s) >

BUILDING VIOLATIONS

0 Violation(s) >

ENFORCEMENT VIOLATIONS

0 Violation(s) >

HOUSING COMPLAINTS

10 Complaint(s) >

SANITATION REQUESTS

0 Request(s) >

CIVIC MAINTENANCE REQUESTS

3 Request(s) >

## WHAT AM I DOING WITH THE RENTSMART PROJECT?

RentSmart Application

RentSmart Dashboard



## WHAT ISSUES DID I HAVE TO ADDRESS IN THIS PROJECT?

DBeaver 21.1.2 - <dev> Updated\_Rentsmart\_Data\_Query\_v5.sql

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects Enter a part of object name here

<dev> Script-10 <dev> CitySc... <dev> Updat... <dev> boston... <dev> jh\_ep... \*<dev> Scri... \*<dev> Scri... \_1

Auto dev public@dev

WITH rentsma IS AS (

SELECT strViolation\_id AS isd\_case\_id,  
TO\_DATE((violation\_issue\_datetime)::text, 'YYYY-MM-DD'::text) AS isd\_case\_dt,  
violation\_status AS isd\_status,  
descript AS isd\_description,  
concat(stno, ' ', stname, ' ', suffix, ' ', city, ' ', "State", ' ', zip) as address,  
san\_address\_id::text AS isd\_sam\_id,  
"Latitude" as latitude,  
"Longitude" as longitude,  
(now)::date AS isd\_etl\_load\_date  
FROM hansen\_internal\_data.str\_open\_data\_violations\_fact\_vw  
WHERE TO\_DATE((str\_open\_data\_violations\_fact\_vw.violation\_issue\_datetime)::text, 'YYYY-MM-DD'::text) >= ((now)::text::date - 1),  
rentsmar\_mhl AS (

SELECT DISTINCT ceb.case\_enquiry\_id AS mhl\_case\_id,  
ceb.open\_dt AS mhl\_open\_dt,  
ceb.reason AS mhl\_reason,  
ceb."type" AS mhl\_type,  
ceb.location as address,  
ceb.location\_x,  
ceb.location\_y,  
coalesce(st\_setsrid(st\_makepoint(ceb.location\_x::double precision, ceb.location\_y::double precision), 2249),  
coalesce(st\_x(st\_transform(st\_setsrid(st\_makepoint(ceb.location x::double precision, ceb.location y::double precision), 2249), 2249), 2249)) AS geom2249,

address(+ 1) address(+ 2) address(+ 3)

WITH rentsma IS AS ( SELECT Enter a SQL expression to filter results (use Ctrl+Space)

	date	app.description	app.type	app.sam_id	app.parcel	app.full_address	app.address	app.neighborhood
1	[NULL]	[NULL]	[NULL]	10000	0502605000	190 Beacon St #4, Boston, MA 02116	190 Beacon St #4, 02116	Boston
2	06-05 19:51:00	Rodent Activity	Sanitation Rec	100000	0200038000	34 Mystic St, Charlestown, MA 02129	34 Mystic St, 02129	Charlestown
3	02-14 00:00:00	Failure clear sidewalk	Enforcement	100001	0200074000	35 Mystic St, Charlestown, MA 02129	35 Mystic St, 02129	Charlestown
4	[NULL]	[NULL]	[NULL]	100002	0200074000	35 Mystic St #1, Charlestown, MA 02135	35 Mystic St #1, 02129	Charlestown
5	[NULL]	[NULL]	[NULL]	100003	0200074000	35 Mystic St #2, Charlestown, MA 02135	35 Mystic St #2, 02129	Charlestown
6	[NULL]	[NULL]	[NULL]	100004	0200074000	35 Mystic St #3, Charlestown, MA 02135	35 Mystic St #3, 02129	Charlestown
7	[NULL]	[NULL]	[NULL]	100009	0200036000	38 Mystic St, Charlestown, MA 02129	38 Mystic St, 02129	Charlestown
8	[NULL]	[NULL]	[NULL]	100001	0502605000	190 Beacon St #5, Boston, MA 02116	190 Beacon St #5, 02116	Boston
9	09-22 14:48:00	Work w/out Permit	Housing Com	100013	0200077000	41 Mystic St, Charlestown, MA 02129	41 Mystic St, 02129	Charlestown
10	04-30 00:00:00	Improper storage tra	Enforcement	100013	0200077000	41 Mystic St, Charlestown, MA 02129	41 Mystic St, 02129	Charlestown
11	[NULL]	[NULL]	[NULL]	10002	0502605000	190 Beacon St #6, Boston, MA 02116	190 Beacon St #6, 02116	Boston
12	11-06 00:00:00	Improper storage tra	Enforcement	100023	0200031000	48 Mystic St, Charlestown, MA 02129	48 Mystic St, 02129	Charlestown

Records 1-12 of 200

Save Cancel Script | | Back Forward | Smart Insert | EST en Writable | 164:24:9086 | Sel: 0 | 0 | 200 | 569,604 | 200 row(s) fetched - 1m 18s (+11ms)

# FINAL RESULTS

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[http://dashboard.cityofboston.gov/t/Guest Access Enabled/views/Rentsmart Dashboards 3YearMax/SearchPage?:showAppBanner=false&:display\\_count=n&:showVizHome=n&:origin=viz\\_share\\_link](http://dashboard.cityofboston.gov/t/Guest_Access_Enable/views/Rentsmart_Dashboards_3YearMax/SearchPage?:showAppBanner=false&:display_count=n&:showVizHome=n&:origin=viz_share_link)

# THANK YOU

