

Dataset Description

Dataset Name: Property valuation and assessment data.

Agency Name: Department of Finance

Description: Real estate assessment property data

Dataset Source: Open data of NYC Government

Dataset URL: <https://data.cityofnewyork.us/Housing-Development/Property-Valuation-and-Assessment-Data/rgy2-tti8>

Number of fields: 32

Number of records: 1,070,994

Field Summary Tables

Numeric:

Field Name	% Populated	Min	Max	Mean	Stdev	% Zero
LTFRONT	100	0	9,999	36.64	74.03	15.79
LTDEPTH	100	0	9,999	88.86	76.40	15.89
STORIES	94.75	1	119	5.01	8.37	0
FULLVAL	100	0	6,150,000,000	874,264.51	11,582,430.99	1.21
AVLAND	100	0	2,668,500,000	85,067.92	4,057,260.06	1.21
AVTOT	100	0	4,668,308,947	227,238.17	6,877,529.31	1.21
EXLAND	100	0	2,668,500,000	36,423.89	3,981,575.79	45.91
EXTOT	100	0	4,668,308,947	91,186.98	6,508,402.82	40.39
BLDFRONT	100	0	7,575	23.04	35.58	21.36
BLDDEPTH	100	0	9,393	39.92	42.71	21.37
AVLAND2	26.4	3	2,371,005,000	246,235.72	6,178,962.56	0
AVTOT2	26.4	3	4,501,180,002	713,911.44	11,652,528.95	0
EXLAND2	8.17	1	2,371,005,000	351,235.68	10,802,212.67	0
EXTOT2	12.22	7	4,501,180,002	656,768.28	16,072,510.17	0

Categorical:

Field Name	% Populated	# Of Unique Values	Most Common Value
RECORD	100.00	1,070,994	NA
BBLE	100.00	1,070,994	NA
BORO	100.00	5	4
BLOCK	100.00	13,984	3944
LOT	100.00	6,366	1
EASEMENT	0.43	13	E
OWNER	97.00	863,348	PARKCHESTER PRESERVAT
BLDGCL	100.00	200	R4
TAXCLASS	100.00	11	1
EXT	33.08	3	G
EXCD1	59.62	128	1017
STADDR	99.94	839,281	501 SURF AVENUE
ZIP	97.21	197	10314
EXMPTCL	1.45	15	X1
EXCD2	8.68	50	1017
PERIOD	100.00	1	FINAL
YEAR	100.00	1	2010/11
VALTYPE	100.00	1	AC-TR

Data Field Exploration

1)

RECORD

Record ID of the observation. Unique ID that identifies each row.

2)

BBLE

This is the file key, and is a value that is made up of Boro, Block, Lot, and Easement code

Example: BBLE = 1000060001E (Boro = 1, Block =6, Lot = 1, Easement Code = E)

3)

BORO

Borough in which each property is located at.

1 = Manhattan

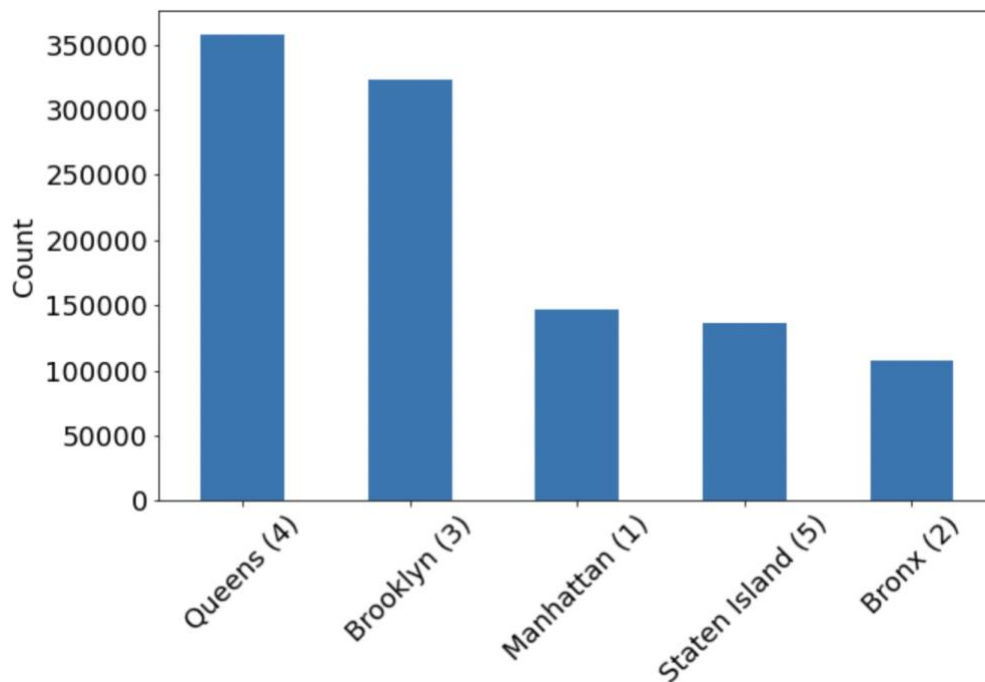
2 = Bronx

3 = Brooklyn

4 = Queens

5 = Staten Island

Bar chart for each borough is shown below.



4)

BLOCK

The block in which the property exists. The block ranges are by borough

Manhattan: 1 to 2255

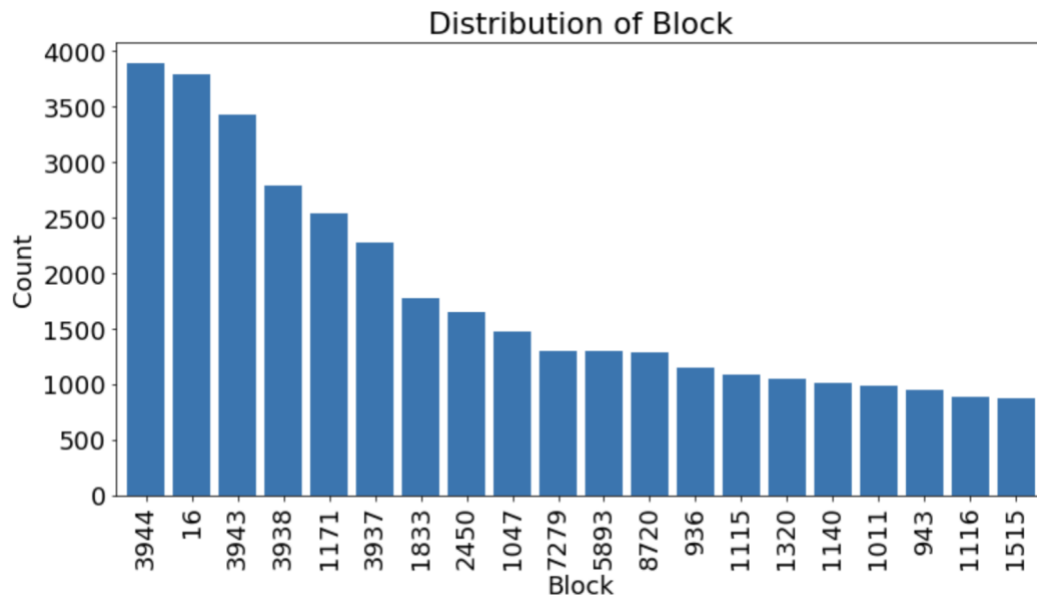
Bronx: 2260 to 5958

Brooklyn: 1 to 8955

Queens: 1 to 16350

Staten Island: 1 to 8050

Bar chart with 20 field values is shown below.

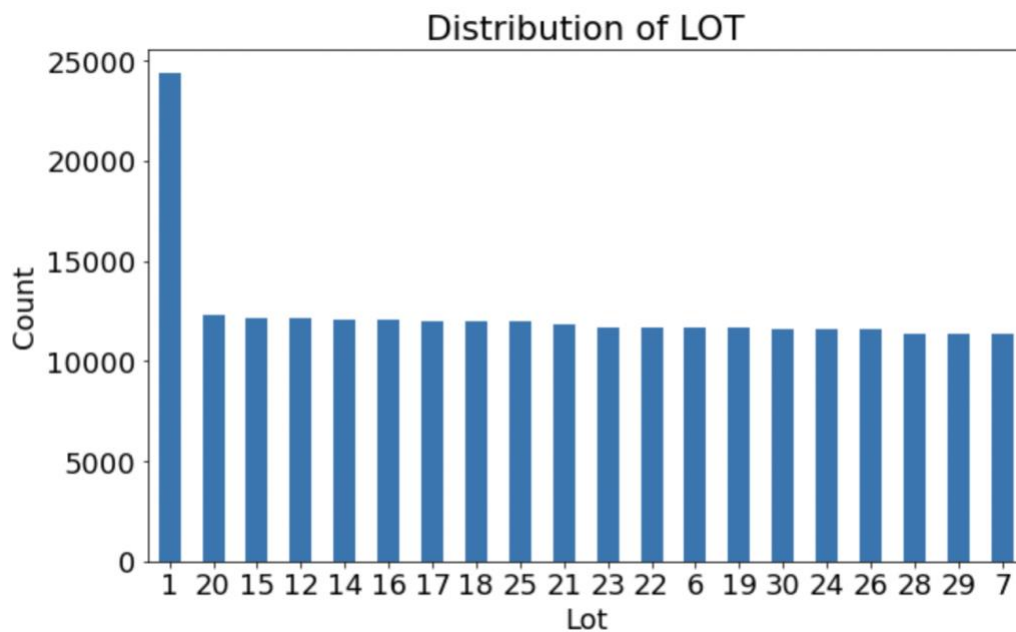


5)

LOT

A unique number within a Block or Borough.

Bar chart with 20 field values is shown below.



6)

EASEMENT

Field used to describe easement. The type of easement is given by the various codes.

Space = No Easement

A = Air Easement

B = Non-Air Rights

E = Land Easement

F Thru M are duplicates of E

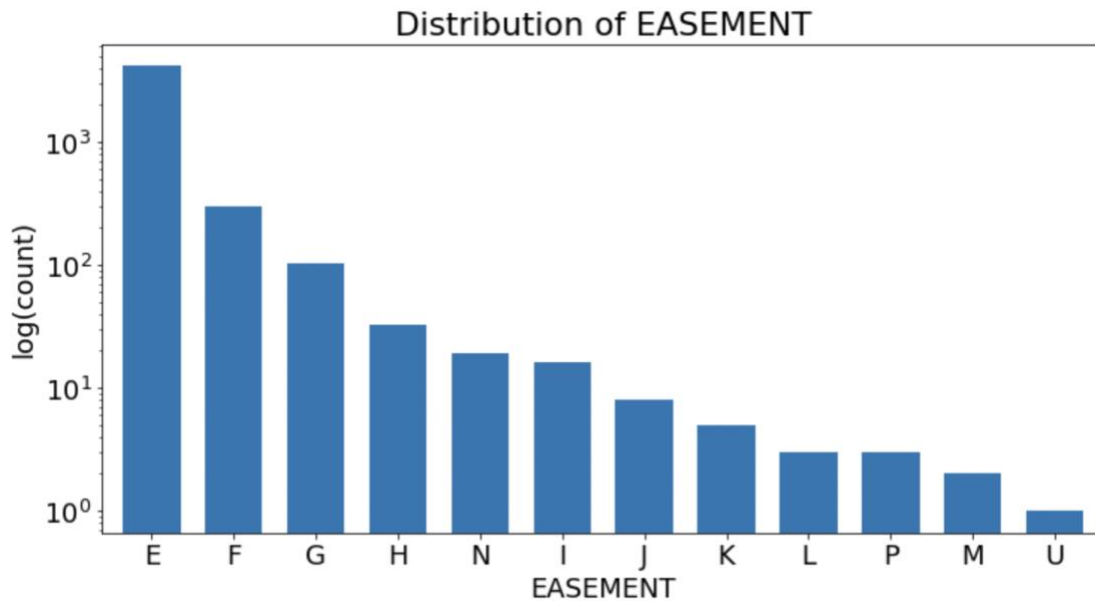
N = Non-Transit Easement

P = Pier

R = Railroad

S = Street

U = U.S. Government



7)

OWNER

This field gives the name of the owner.

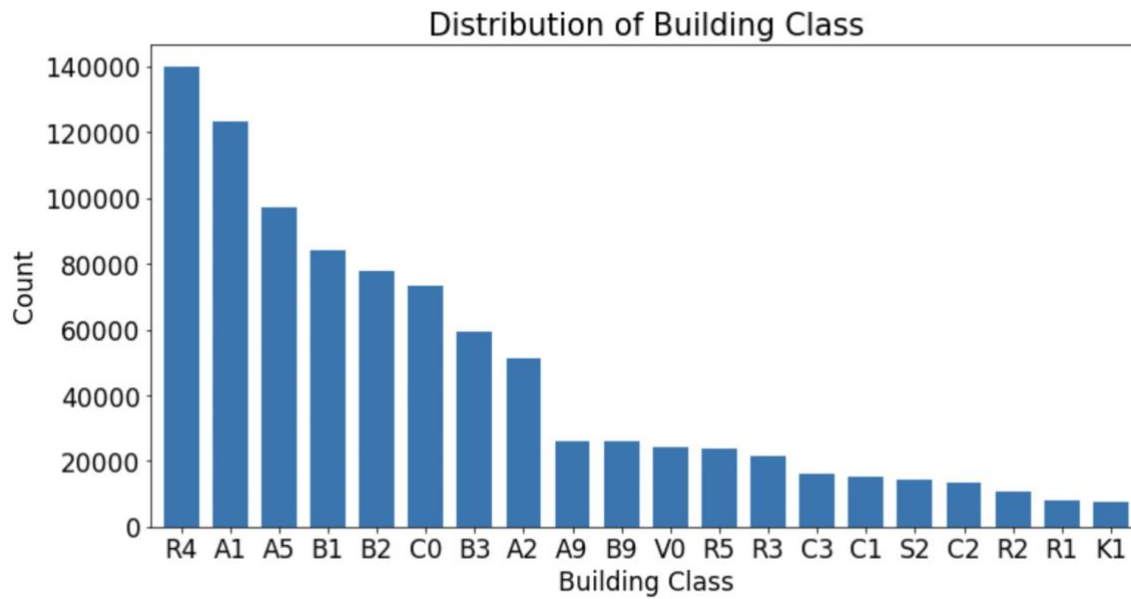
The table gives the count for the top 20 owners.

OWNER	COUNT
PARKCHESTER PRESERVAT	6021
PARKS AND RECREATION	4255
DCAS	2169
HOUSING PRESERVATION	1904
CITY OF NEW YORK	1450
DEPT OF ENVIRONMENTAL	1166
BOARD OF EDUCATION	1015
NEW YORK CITY HOUSING	1014
CNY/NYCTA	975
NYC HOUSING PARTNERSH	747
YORKVILLE TOWERS ASSO	558
DEPARTMENT OF BUSINES	527
DEPT OF TRANSPORTATION	503
MTA/LIRR	467
PARCKHESTER PRESERVAT	439
MH RESIDENTIAL 1, LLC	411
434 M LLC	393
LINCOLN PLAZA ASSOCIA	366
DEUTSCHE BANK NATIONA	336
561 11TH AVENUE TMG L	324

8)

BLDGCL

The building class the property belongs to. There are 200 different building classes in this dataset.



9)

TAXCLASS

The tax class the property falls under.

1 = 1 - 3 Unit Residence

2 = Apartments

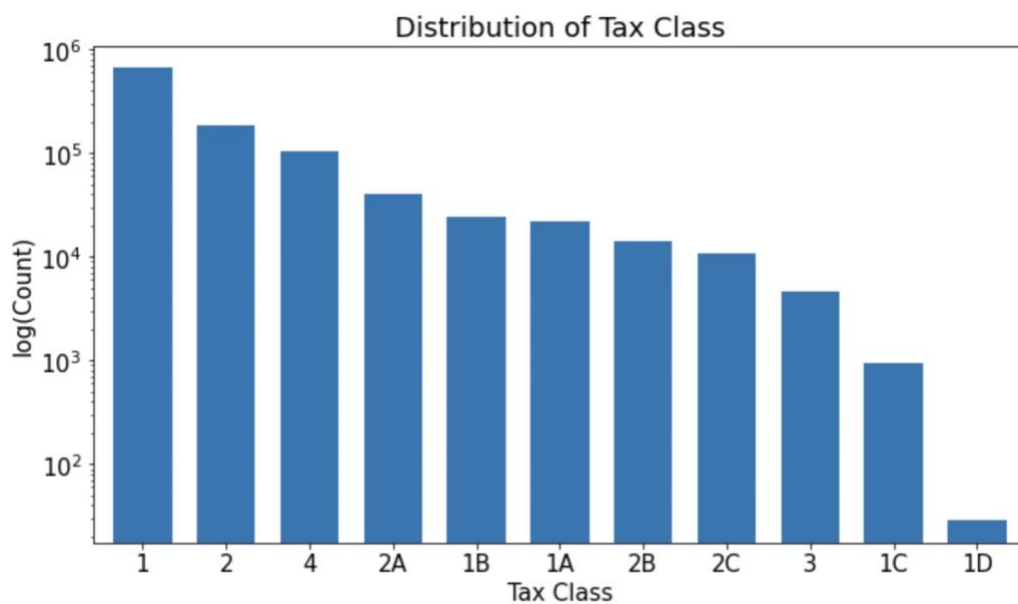
2A = 4, 5, or 6 Units

3 = Utilities

4 = All Others

There are 11 different tax classes present in this dataset.

A bar chart of tax classes by count is shown below.

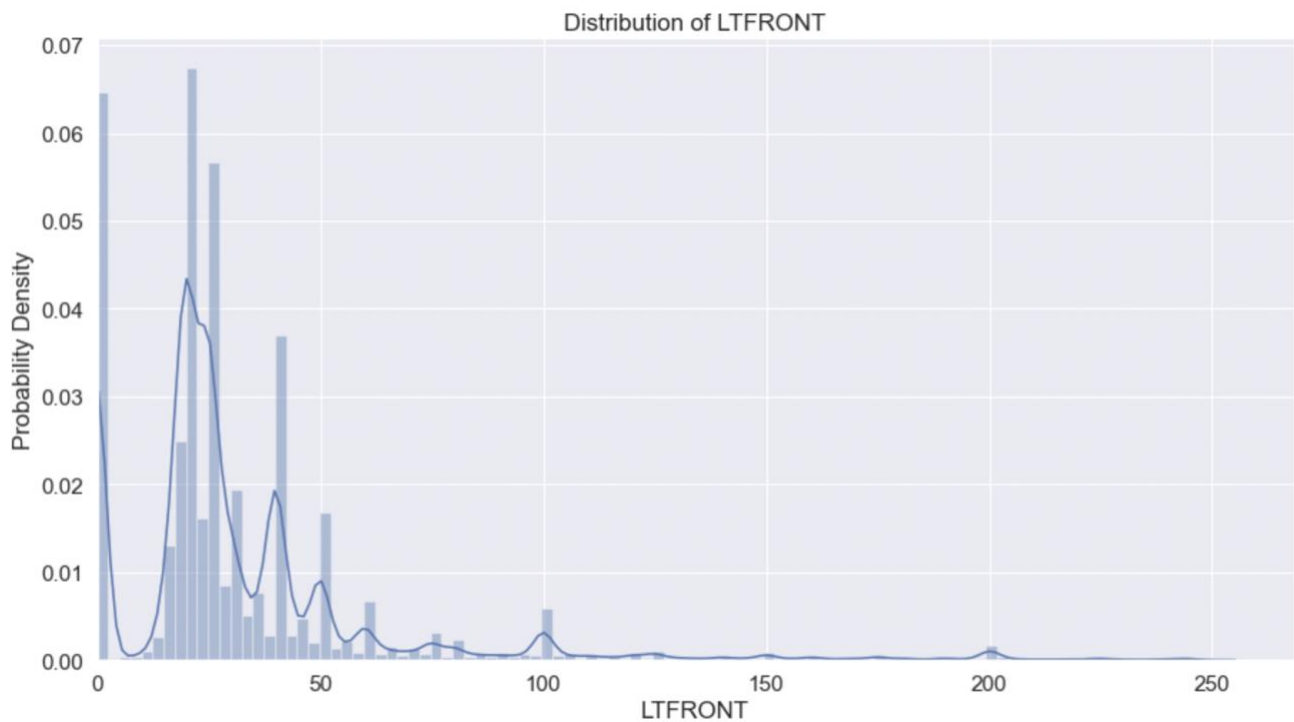


10)

LTFRONT

Lot width of the property in feet.

KDE plot with distribution of field LTFRONT (Outliers >250 removed)

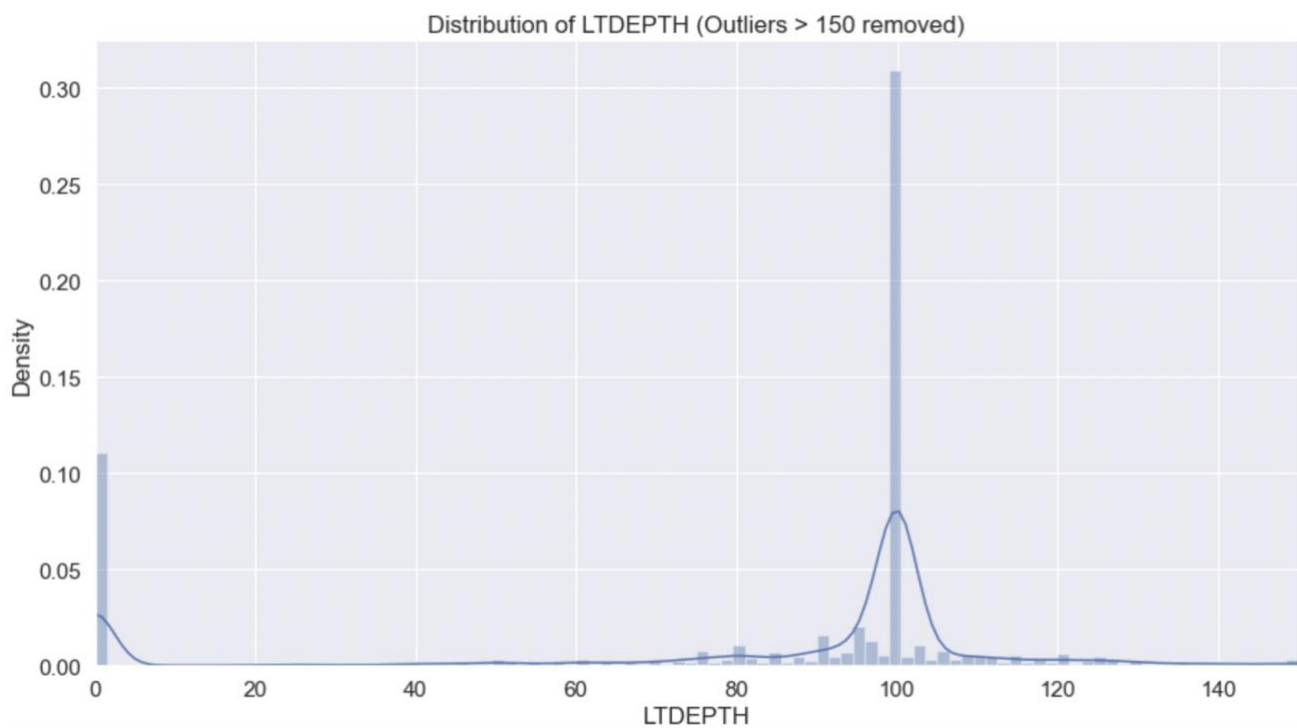


11)

LTDEPTH

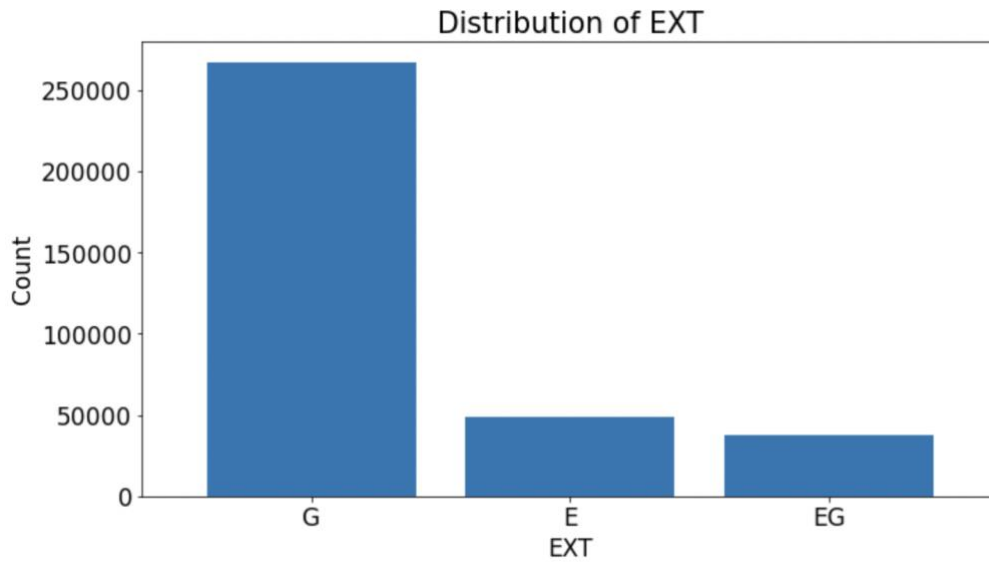
Lot Depth in feet.

KDE plot with distribution of field LTDEPTH (Outliers >150 removed)



12)
EXT

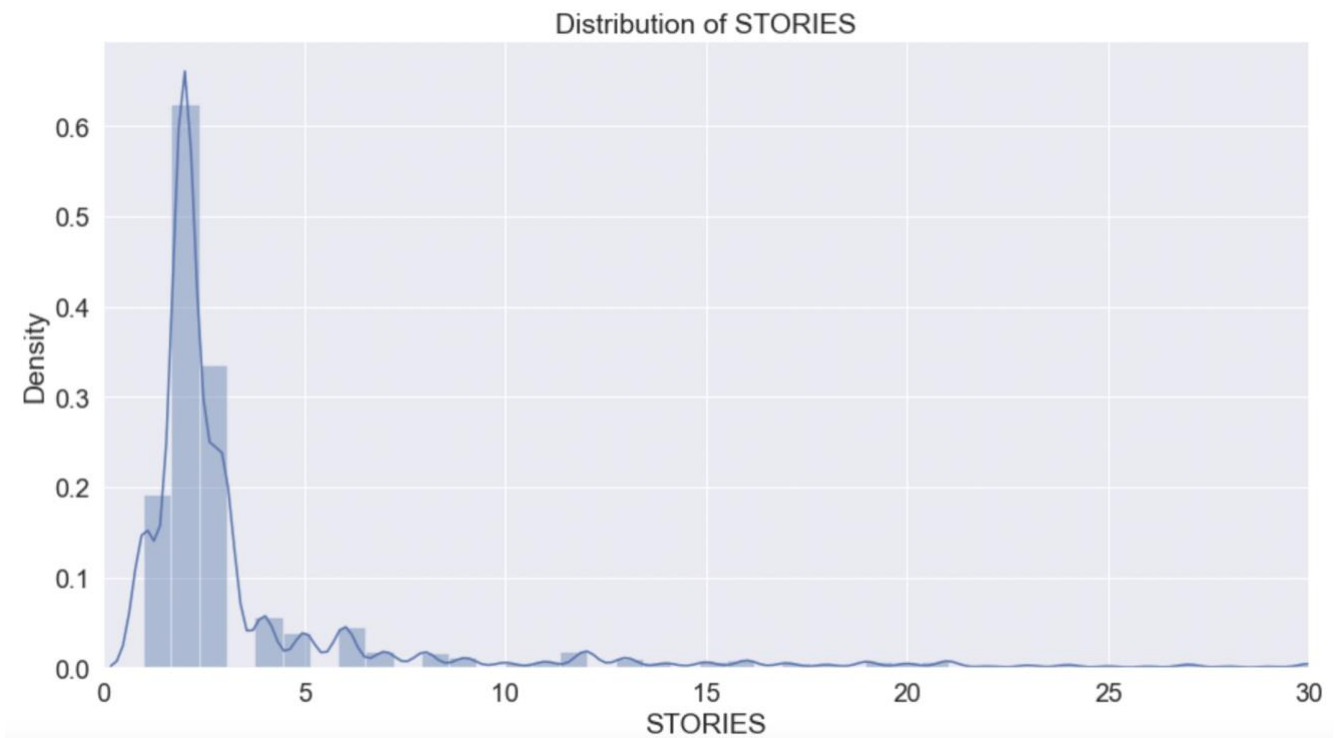
E-Extension
G- Garage
EG- Extension and Garage



13)
STORIES

Number of stories in a building.

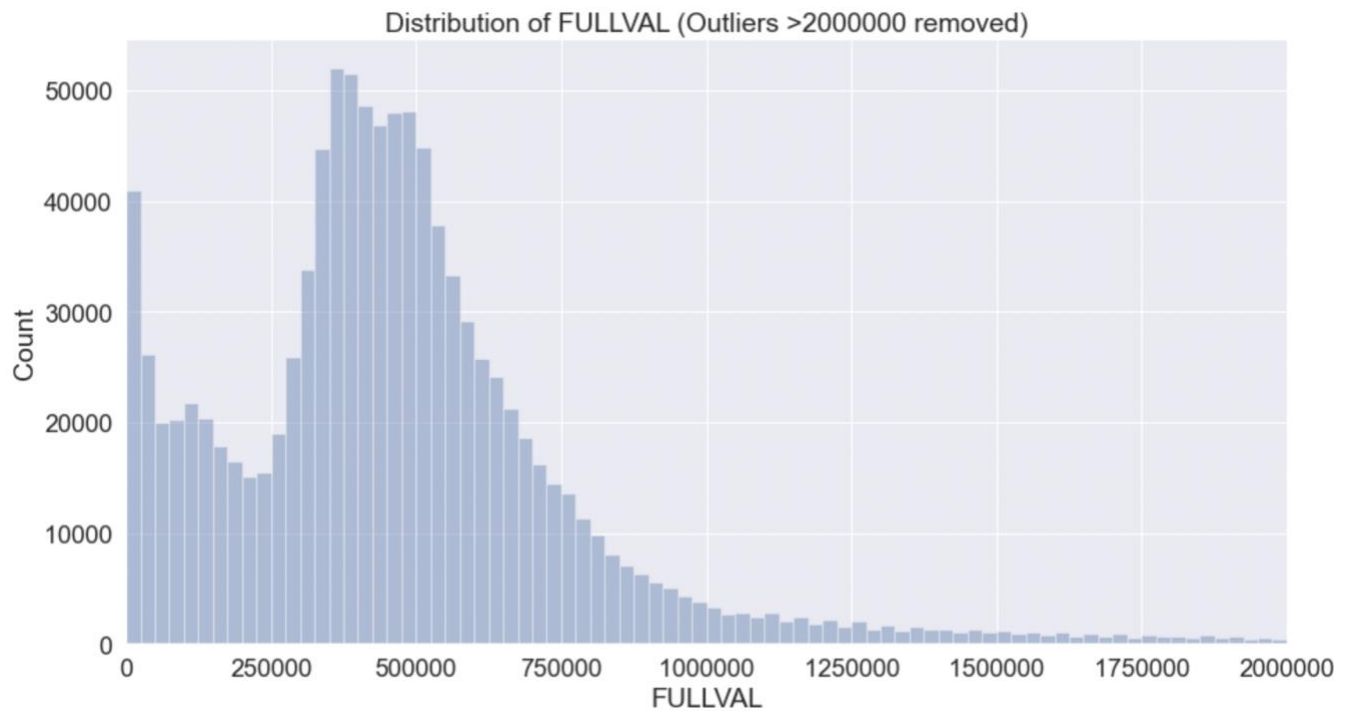
KDE plot with distribution of field STORIES (Outliers >30 removed)



14)

FULLVAL

Market value of the property.

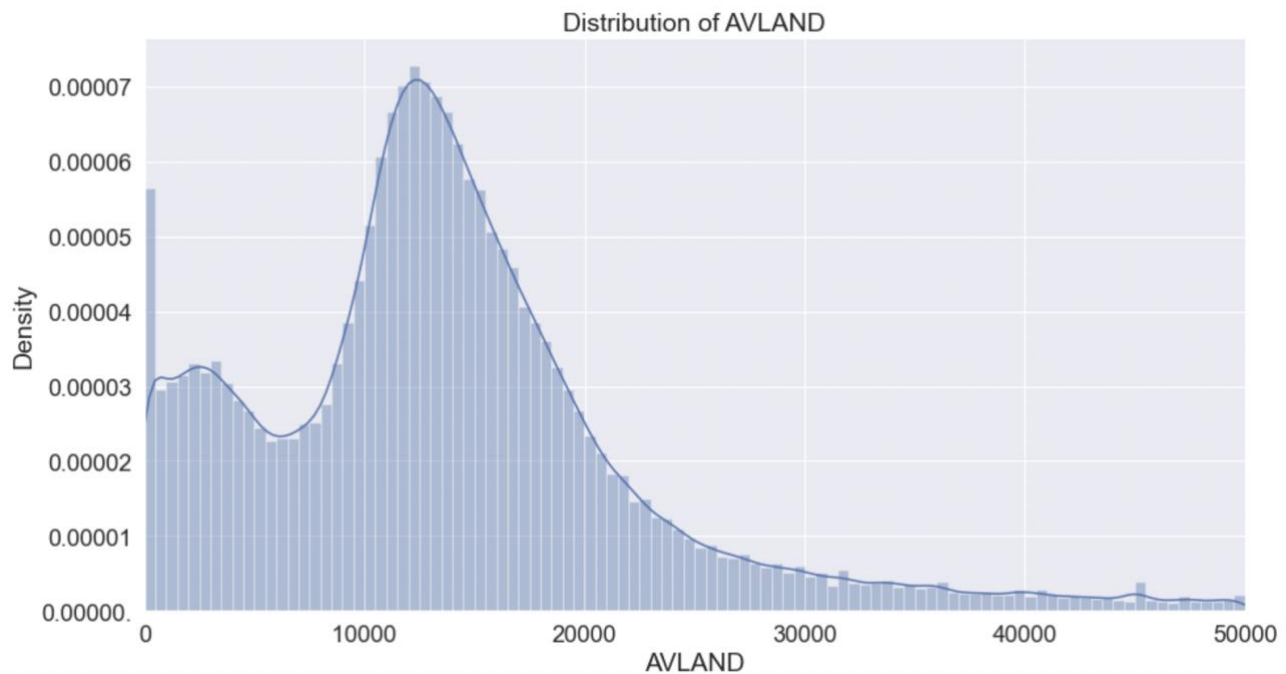


15)

AVLAND

Actual land value.

Kernel Density Distribution plot showing distribution of AVLAND (Outliers > 50,000 removed)

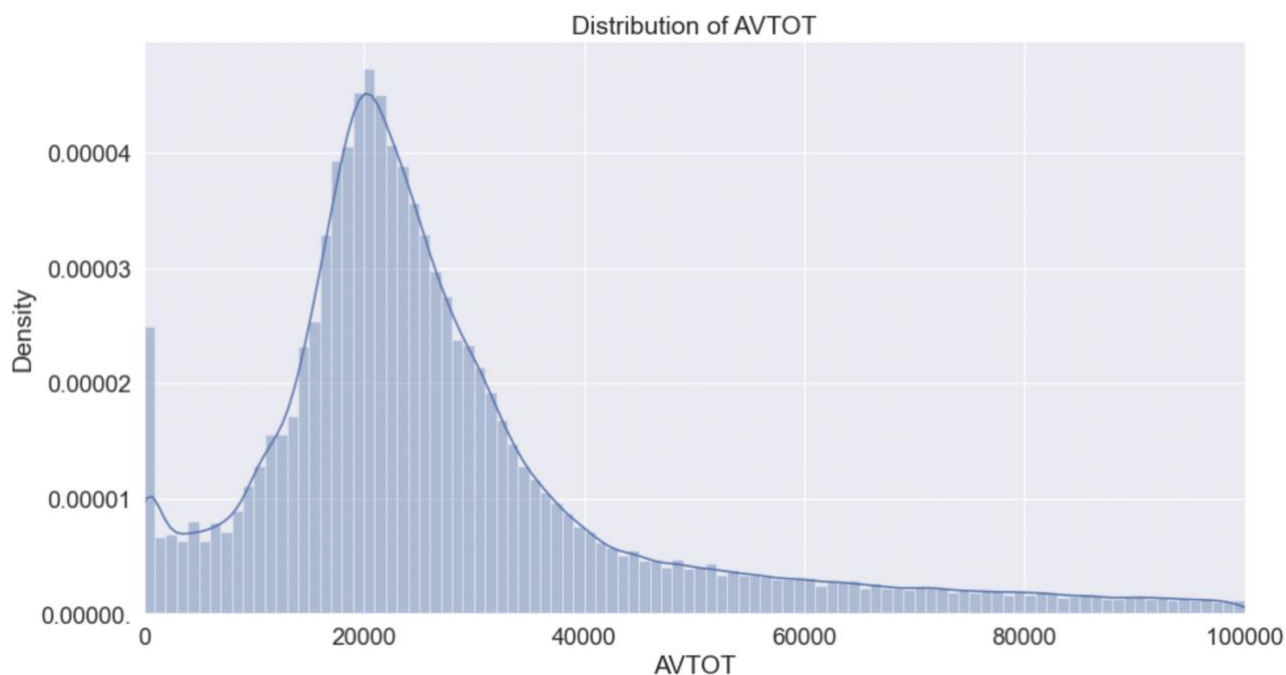


16)

AVTOT

Actual total value.

Kernel Density Distribution plot showing distribution of field 'AVTOT' is shown below. (Outliers >100,000 removed)

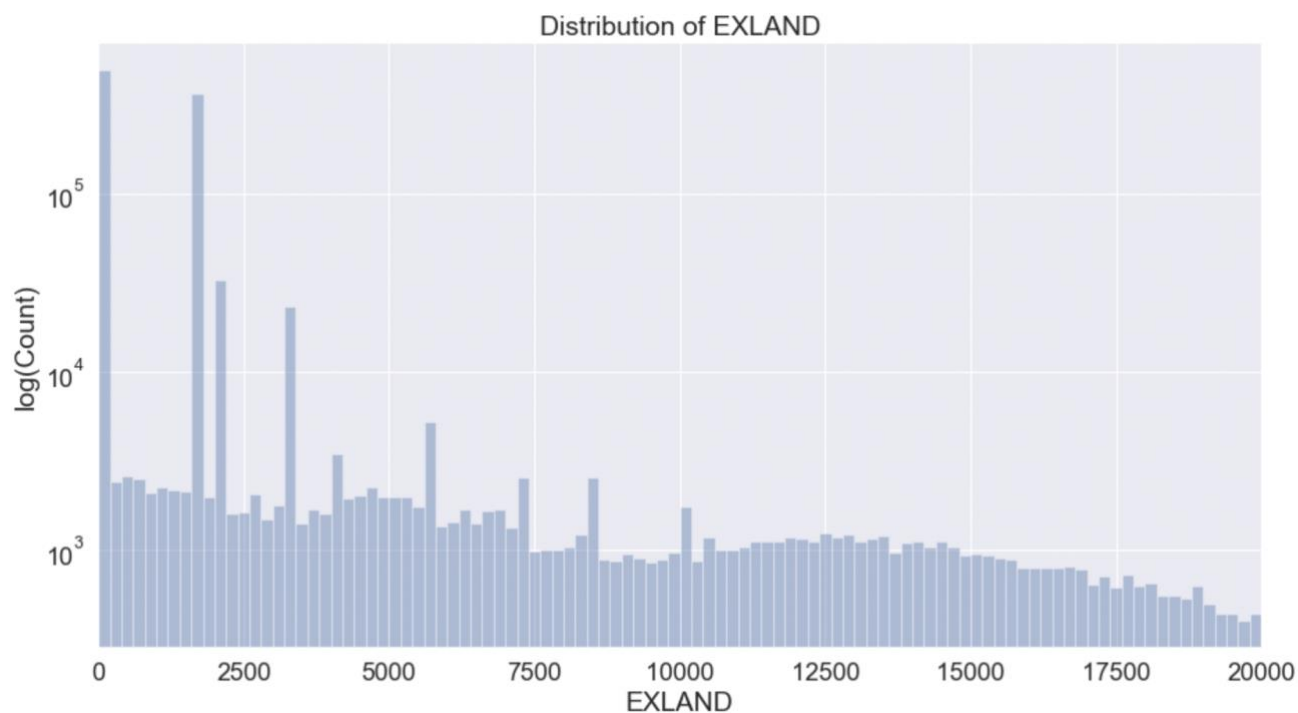


17)

EXLAND

Actual exempt land value.

Distribution plot of EXLAND is shown below. (Outliers > 20,000 removed)

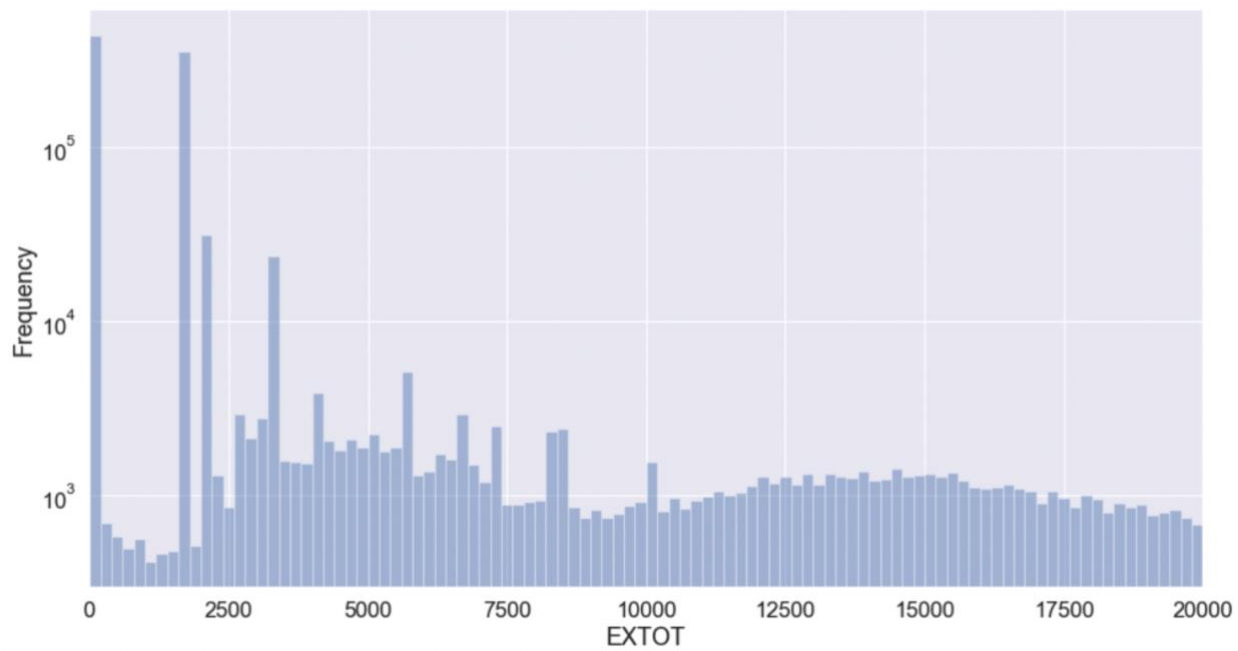


18)

EXTOT

Actual exempt land total

Distribution plot of EXTOT is shown below. (Outliers > 20,000 removed)



19)

EXCD1

Exemption Code 1

Table of top 15 EXCD1 values and their counts is given below.

EXCD1	COUNT
1017	424561
1010	49312
1015	31253
5113	23676
1920	17528
5110	16831
5114	14955
5111	10604
1021	6432
5112	4069
1986	3958
1925	3564
6800	3488
1985	2334
1501	1410

20)

STADDR

Street address of the property.

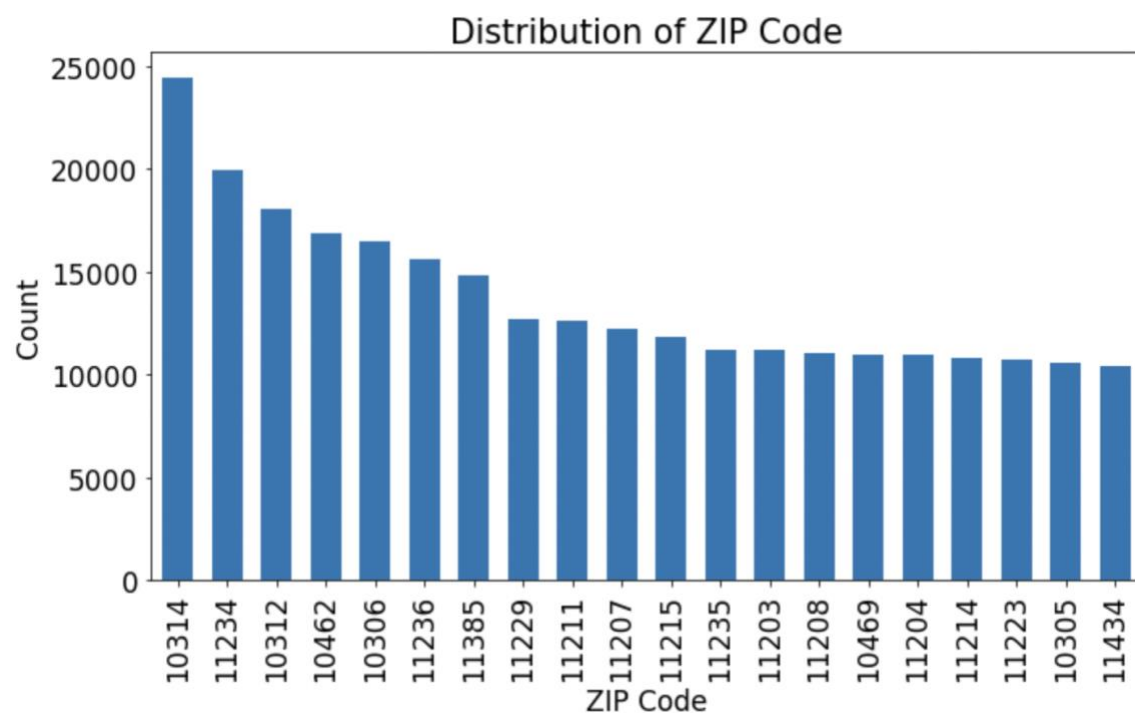
Table of top 20 streets and their counts is given below.

STREET ADDRESS	COUNT
501 SURF AVENUE	901
322 WEST 57 STREET	720
155 WEST 68 STREET	671
20 WEST 64 STREET	657
1 IRVING PLACE	649
220 RIVERSIDE BOULEVARD	627
360 FURMAN STREET	598
200 EAST 66 STREET	585
30 WEST 63 STREET	562
2 BAY CLUB DRIVE	556
350 WEST 42 STREET	556
200 RECTOR PLACE	549
301 EAST 79 STREET	538
350 WEST 50 STREET	497
630 1 AVENUE	488
635 WEST 42 STREET	482
88 GREENWICH STREET	453
150 WEST 51 STREET	447
99 JOHN STREET	445
25 CENTRAL PARK WEST	441

21)

ZIP

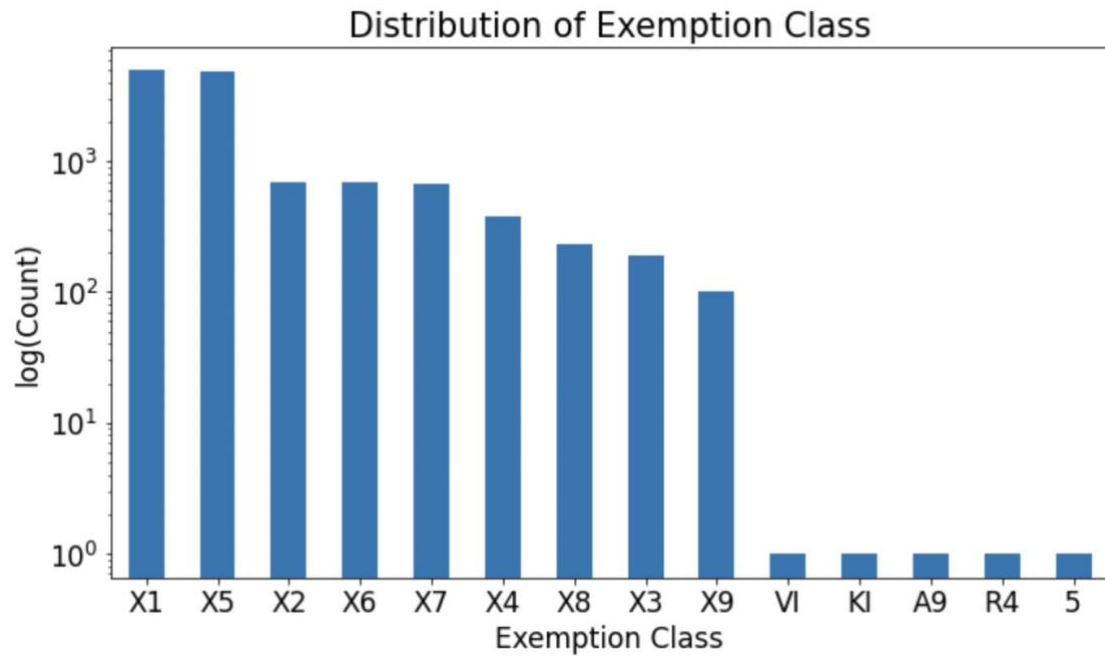
Postal ZIP code of the property.



22)

EXMPTCL

Exemption Class used for fully exempt properties.

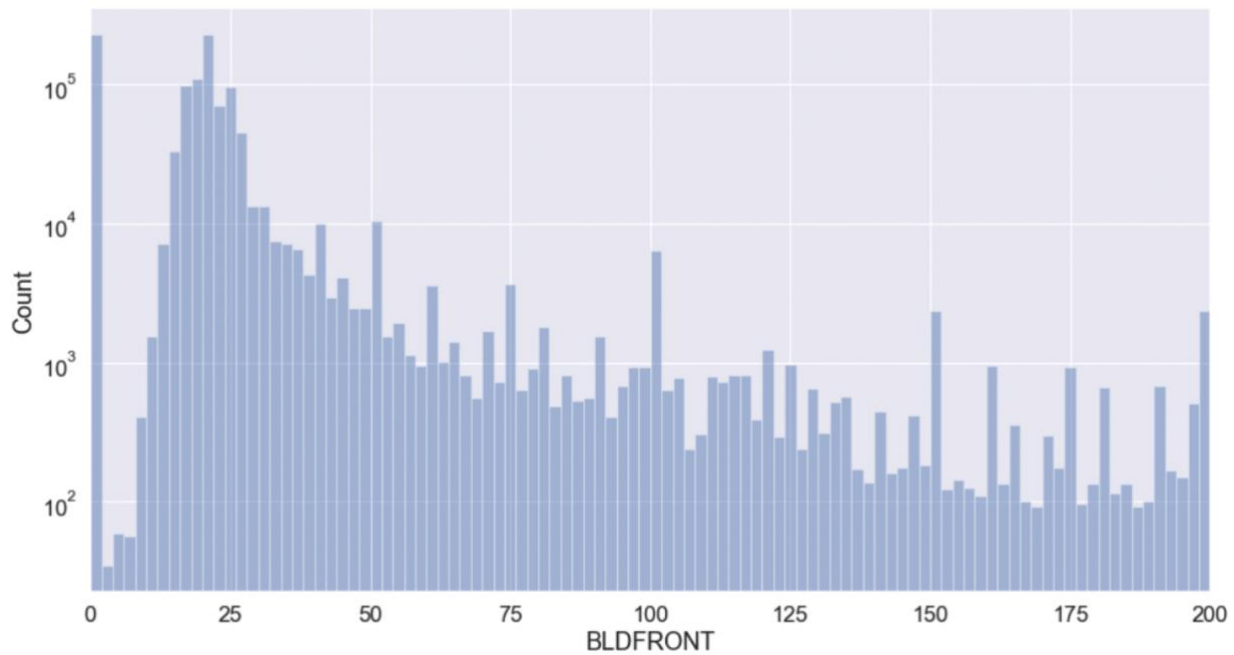


23)

BLDFRONT

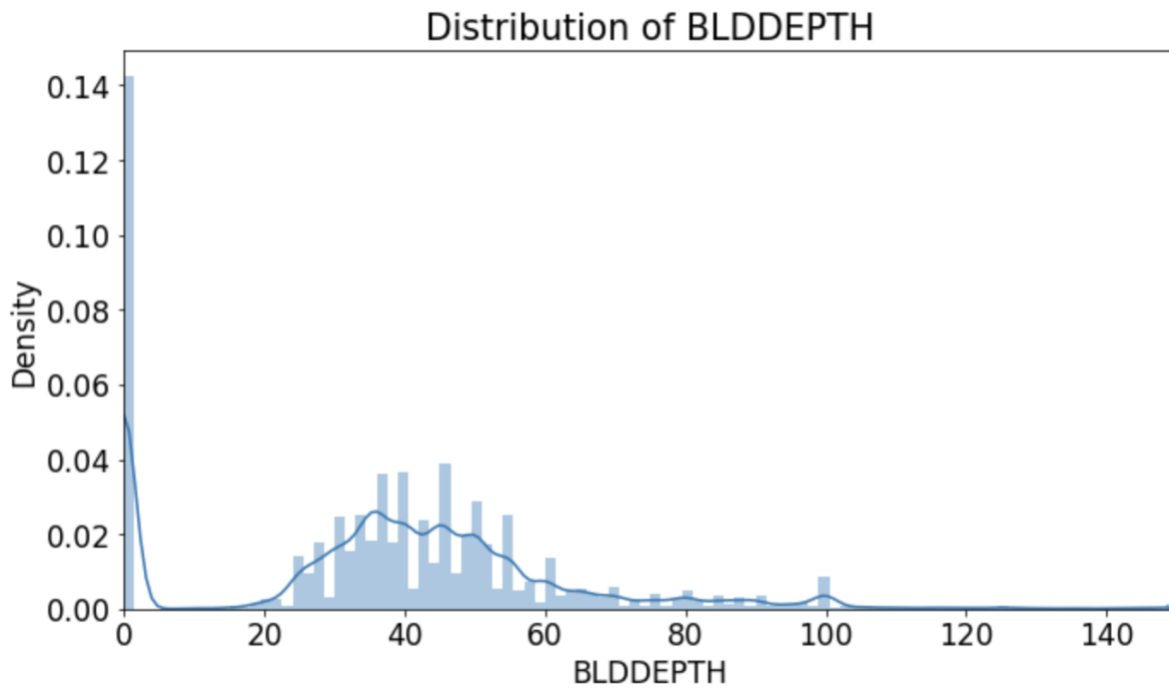
Building width.

Below graph shows distribution of BLDFRONT (Outliers > 200 removed)



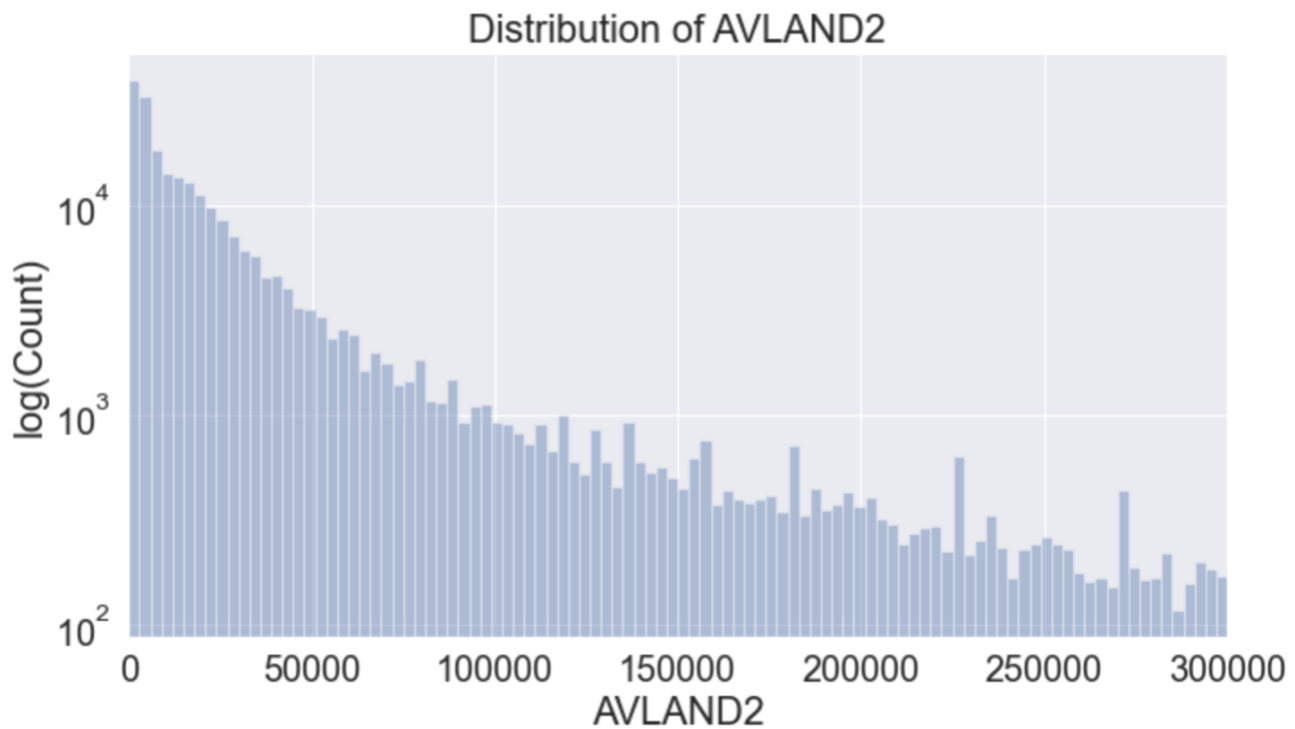
24)
BLDDEPTH
Building depth.

Below graph shows distribution of BLDDEPTH (Outliers > 150 removed)



25)
AVLAND2
Transitional land value.

Plot showing distribution of AVLAND2 (Outliers > 300,000 removed)

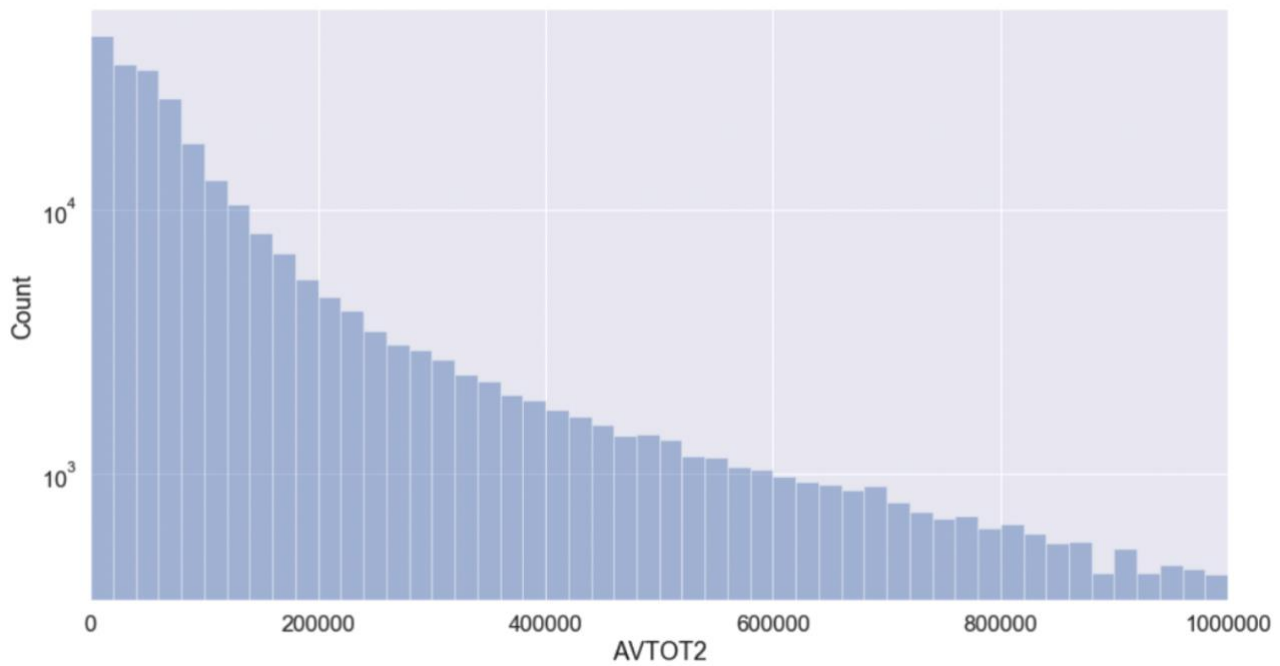


26)

AVTOT2

Transitional total value.

Plot showing distribution of AVTOT2 (Outliers > 1,000,000 removed)

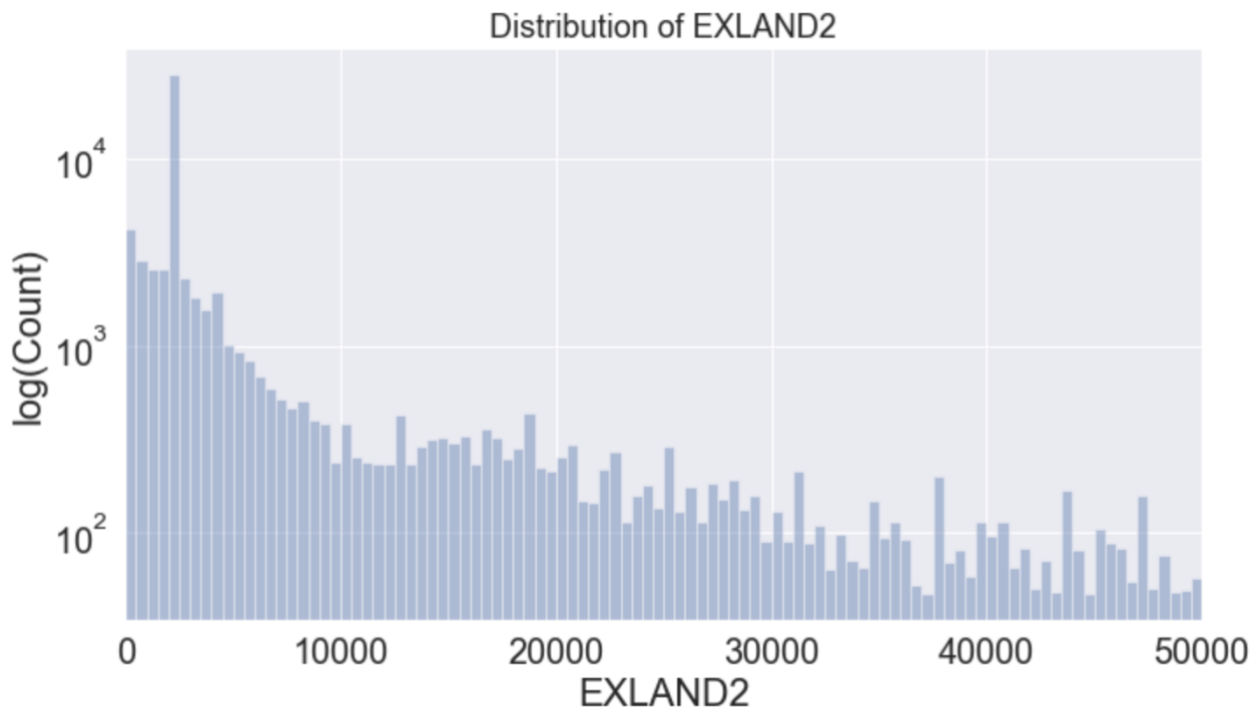


27)

EXLAND2

Transitional exemption land value.

Distribution of EXLAND2 (Outliers > 50,000 removed)

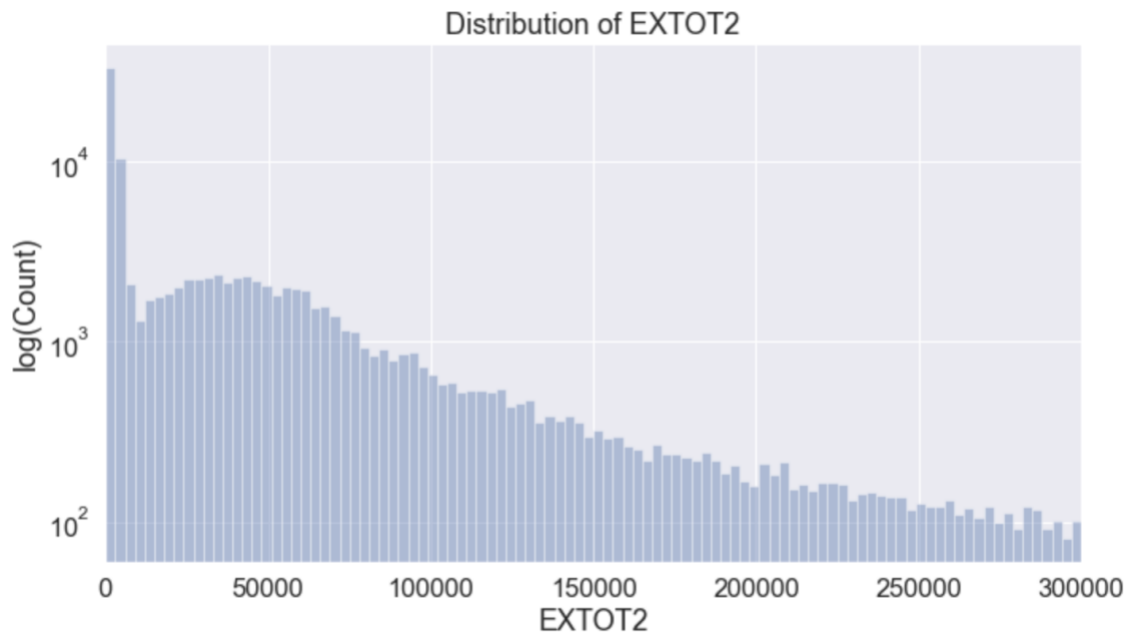


28)

EXTOT2

Transitional Exemption Land Total

Distribution of EXTOT2 (Outliers > 300,000 removed)



29)

EXCD2

Exemption Code 2

Top 15 field values are shown in the table below.

EXCD2	COUNT
1017	65653
1015	11949
5112	6867
1019	3168
1920	2960
1200	881
1101	483
5129	227
1986	30
1022	27
1985	19
1604	13
1021	8
7160	7
1523	7

30)

PERIOD

Assessment Period - Only one unique value 'FINAL'

31)

YEAR

Assessment Year – Only one unique value (2010/11)

32)

VALTYPE

Only one unique value (AC-TR)