

Data Quality Report

I. Description

This report documents the quality of NY Property Data retrieved from the NYC OpenData website. This dataset is originally from the Department of Finance and it is collected by various City employees for purpose to calculate Property Tax. Data records the property valuation and assessment for the Fiscal year 2001/2002. A total of 32 fields and 107,0994 records were documented in this dataset.

II. Summary Tables

CATEGORICAL FIELDS					
No.	Field Name	Data Type	Populated	Unique Values	Most Common Value
1	RECORD	int64	100%	1070994	NA
2	BBLE	object	100%	1070994	NA
3	B	int64	100%	5	4
4	BLOCK	int64	100%	13984	3944
5	LOT	int64	100%	6366	1
6	EASEMENT	object	0.43%	13	E
7	OWNER	object	97.03%	863349	PARKCHESTER PRESERVAT
8	BLDGCL	object	100%	200	R4
9	TAXCLASS	object	100%	11	1
10	EXT	object	33.08%	3	G
11	STADDR	object	99.94%	839281	501 SURF AVENUE
12	ZIP	float64	97.21%	197	10314
13	EXCD1	float64	59.62%	130	1070
14	EXCD2	float64	8.69%	61	1017

15	EXMPTCL	object	1.45%	15	X1
16	PERIOD	object	100%	1	FINAL
17	YEAR	object	100%	1	2010/11
18	VALTYPE	object	100%	1	AC-TR

NUMERICAL FIELDS									
No.	Field Name	Field Type	Populated	Mode	Mean	Std	Min	Max	Median
1	LTFRONT	int64	100%	0	37	74	0	9999	25
2	LTDEPTH	int64	100%	100	89	76	0	9999	100
3	STORIES	float64	94.75%	2	5	8	1	119	2
4	FULLVAL	float64	100%	0	874265	11582431	0	6150000000	447000
5	AVLAND	float64	100%	0	85068	4057260	0	2668500000	13678
6	AVTOT	float64	100%	0	227238	6877529	0	4668308947	25340
7	EXLAND	float64	100%	0	36424	3981576	0	2668500000	1620
8	EXTOT	float64	100%	0	91187	6508403	0	4668308947	1620
9	BLDFRONT	int64	100%	0	23	36	0	7575	20
10	BLDDEPTH	int64	100%	0	40	43	0	9393	39
11	AVLAND2	float64	26.40%	2408	246236	6178963	3	2371005000	20145
12	AVTOT2	float64	26.40%	750	713911	11652529	3	4501180002	79963
13	EXLAND2	float64	8.17%	2090	351236	10802213	1	2371005000	3048
14	EXTOT2	float64	12.22%	2090	656768	16072510	7	4501180002	37062

III. Field Analysis

Detailed description and visualization of each field will be covered in this section.

RECORD

Identity number for each valuation and assessment record. Used as index.

BBLE

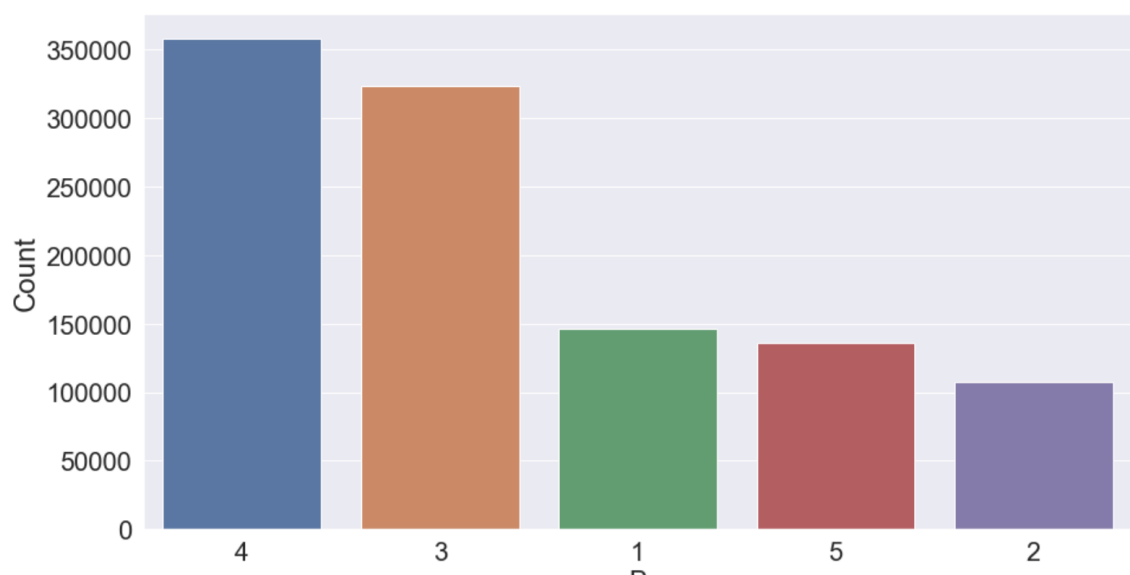
Concatenation of B, BLOCK, and LOT. It is unique for each record.

3038540007	1
3055070019	1
4120410034	1
3055120029	1
2042400020	1
.....	..

B

Codes representing five boroughs in NYC:

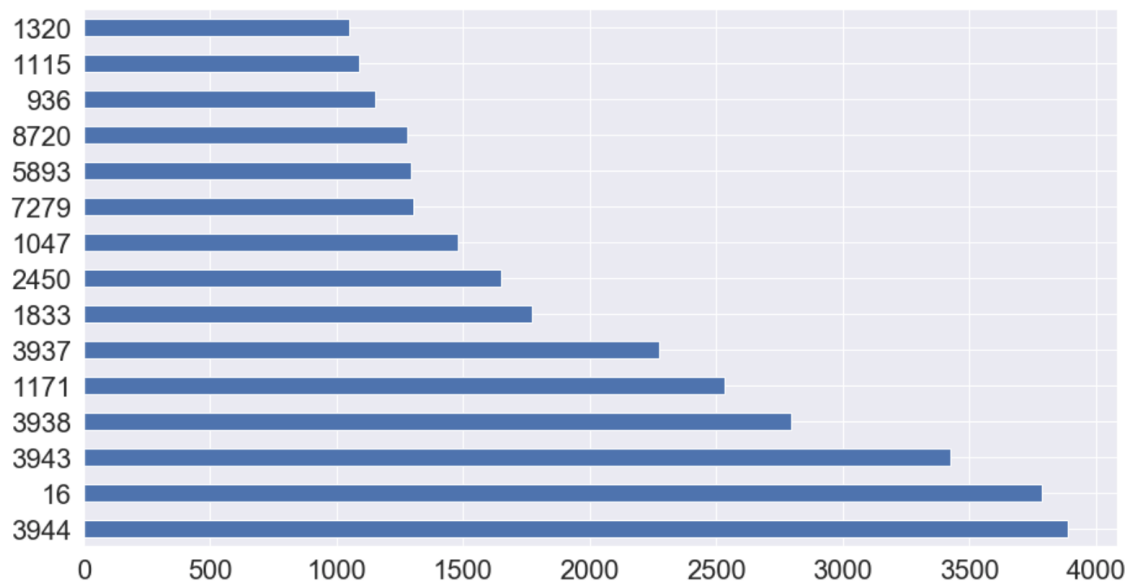
1 = MANHATTAN
2 = BRONX
3 = BROOKLYN
4 = QUEENS
5 = STATEN ISLAND



BLOCK

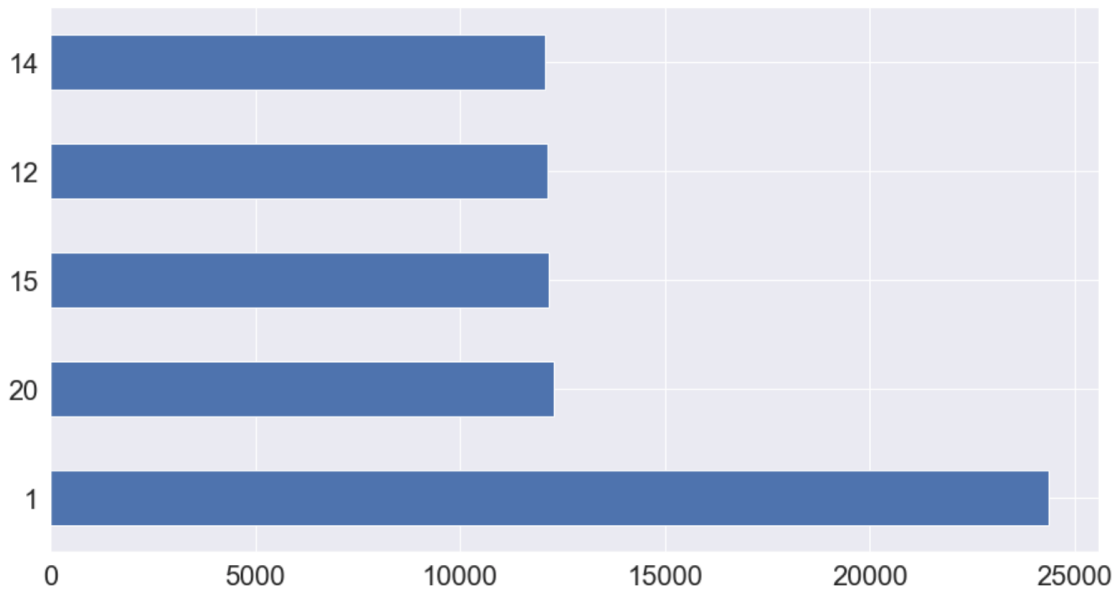
Valid block ranges by borough:

MANHATTAN 1 TO 2,255
BRONX 2,260 TO 5,958
BROOKLYN 1 TO 8,955
QUEENS 1 TO 16,350
STATEN ISLAND 1 TO 8,050



LOT

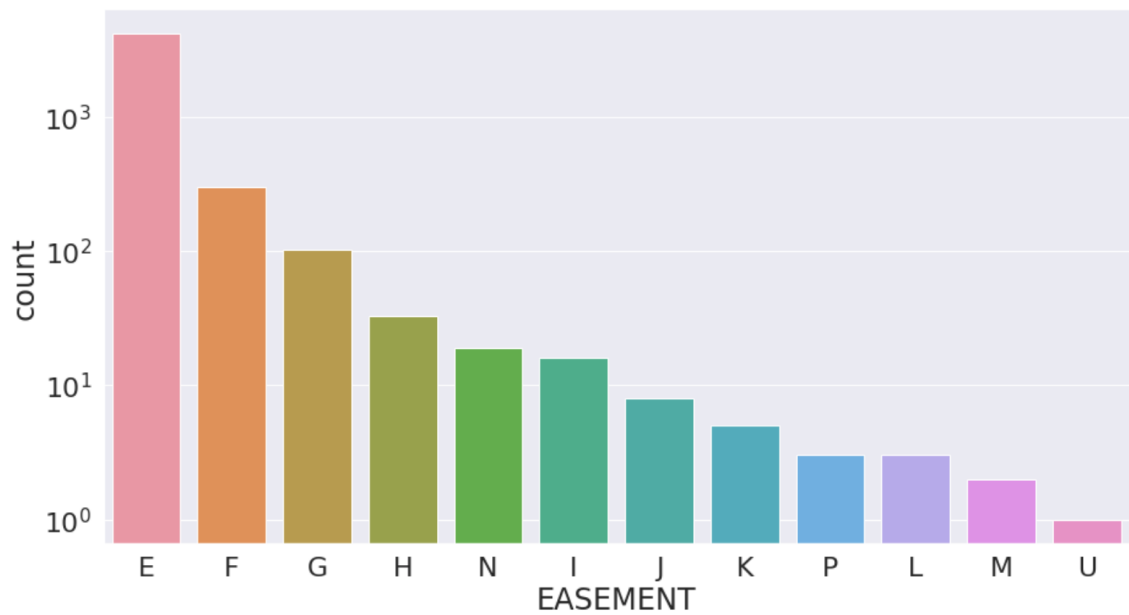
Unique number within borough/block.



EASEMENT

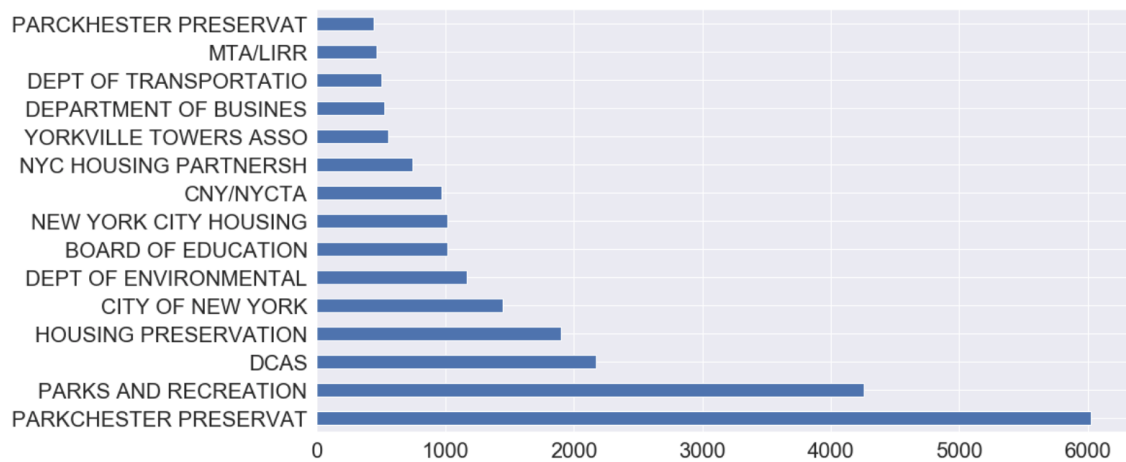
Used to describe the easement of the property with the following rules:

SPACE Indicates the lot has no Easement.
'A' Indicates the portion of the Lot that has an Air Easement
'B' Indicates Non-Air Rights.
'E' Indicates the portion of the lot that has a Land Easement
'F' THRU 'M' Are duplicates of 'E'.
'N' Indicates Non-Transit Easement
'P' Indicates Piers.
'R' Indicates Railroads.
'S' Indicates Street
'U' Indicates U.S. Government



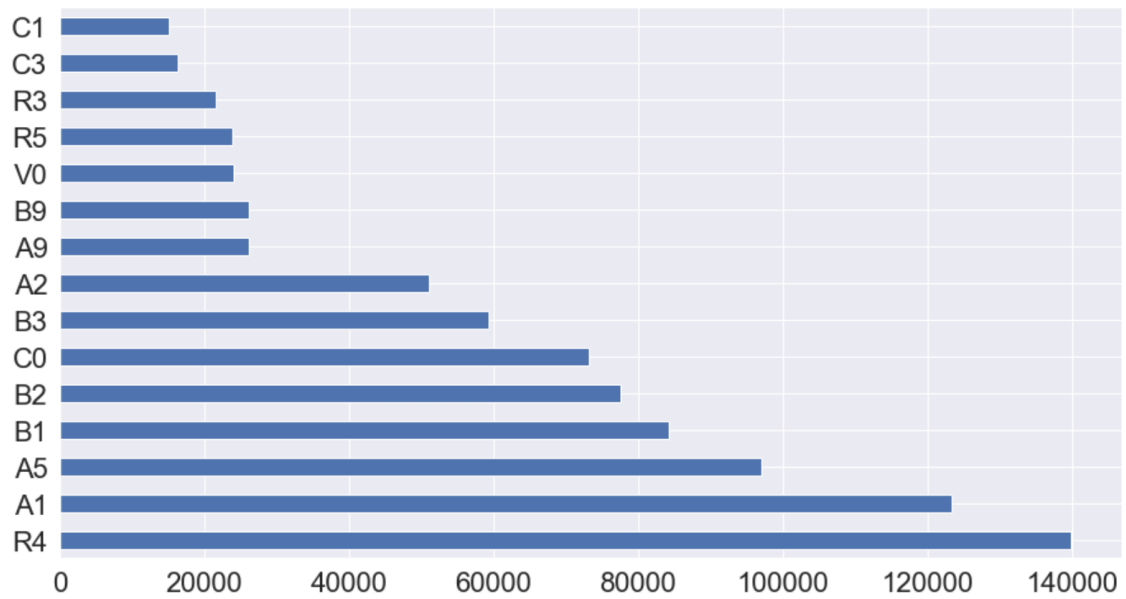
OWNER

Owner's Name.



BLDGCL

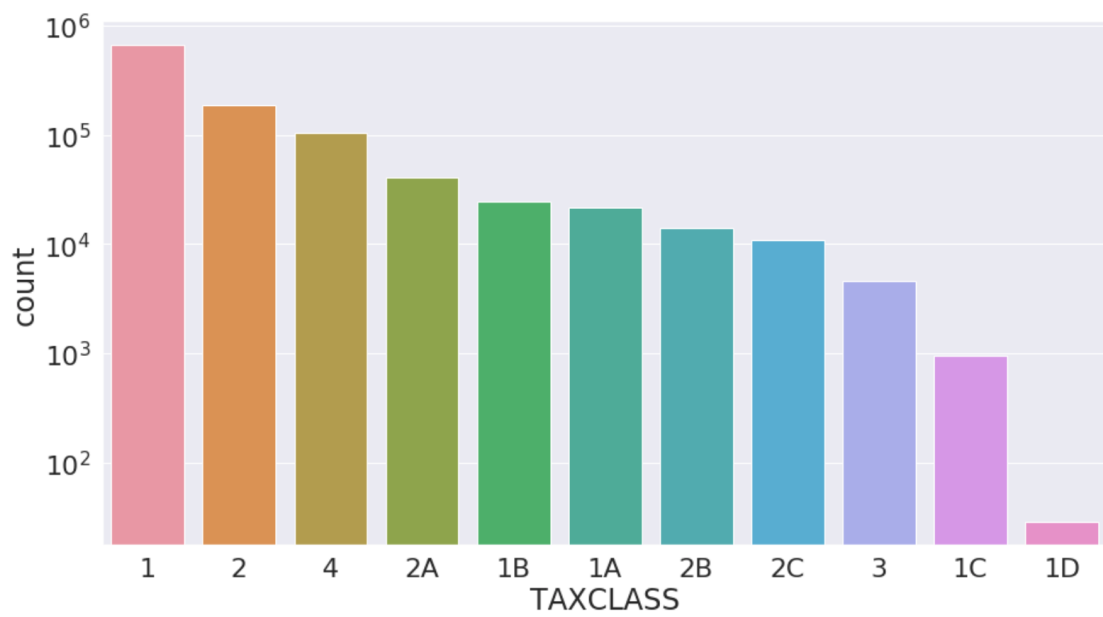
Building class; Position 1 = ALPHA & Position 2 = NUMERIC.



TAXCLASS

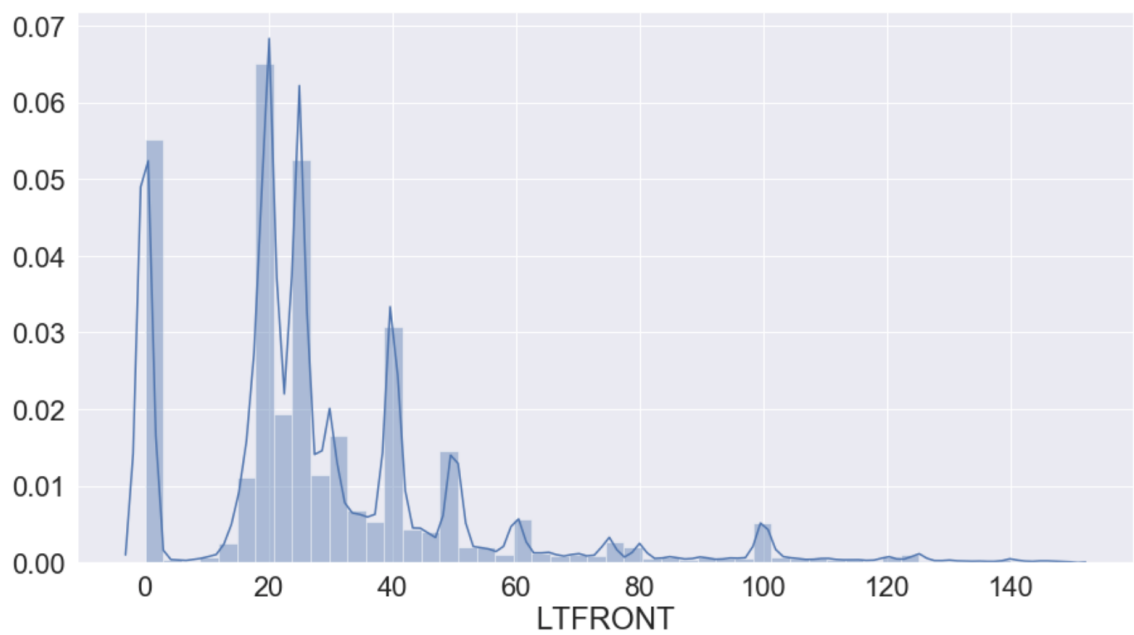
Current Property Tax Class Code (NYS Classification):

TAX CLASS 1 = 1-3 UNIT RESIDENCES
TAX CLASS 1A = 1-3 STORY CONDOMINIUMS
ORIGINALLY A CONDO
TAX CLASS 1B = RESIDENTIAL VACANT LAND
TAX CLASS 1C = 1-3 UNIT CONDOMINIUMS
ORIGINALLY TAX CLASS 1
TAX CLASS 1D = SELECT BUNGALOW COLONIES
TAX CLASS 2 = APARTMENTS
TAX CLASS 2A = APARTMENTS WITH 4-6 UNITS
TAX CLASS 2B = APARTMENTS WITH 7-10 UNITS
TAX CLASS 2C = COOPS/CONDOS WITH 2-10 UNITS
TAX CLASS 3 = UTILITIES (EXCEPT CEILING RR)
TAX CLASS 4A = UTILITIES - CEILING RAILROADS
TAX CLASS 4 = ALL OTHERS



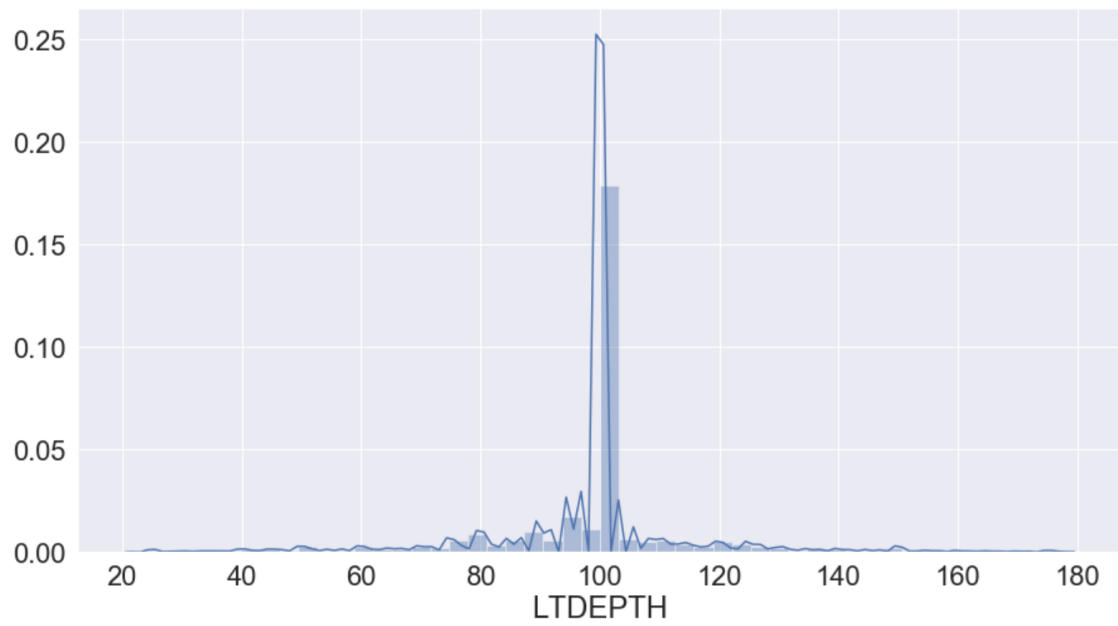
LTFRONT

Lot frontage in feet.



LTDEPTH

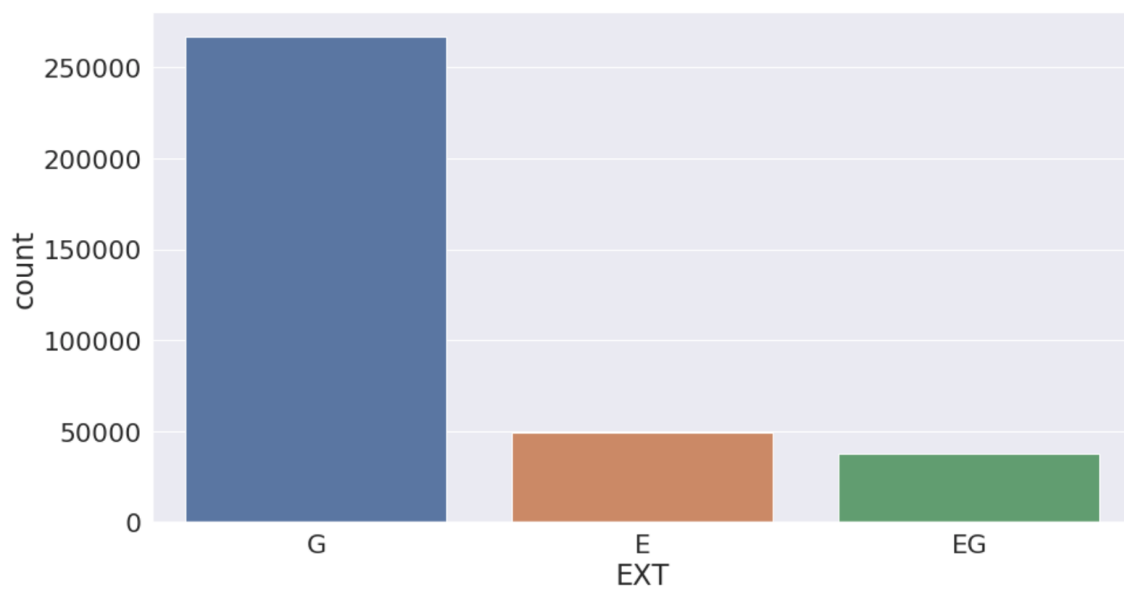
Lot depth in feet.



EXT

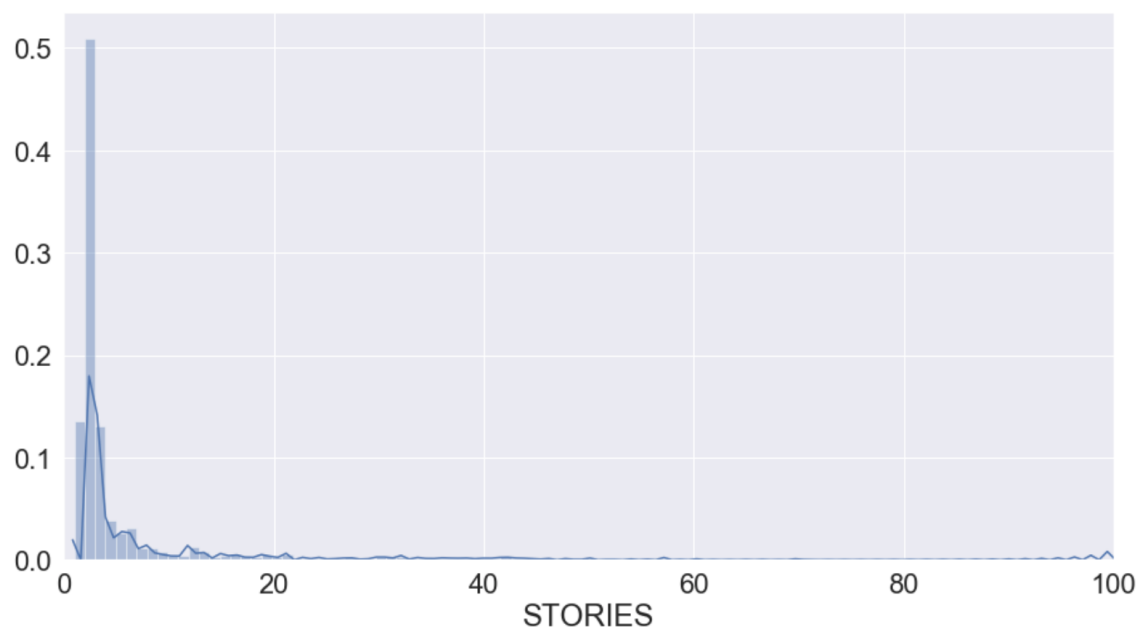
Represents if the property has extension or garage.

'E' = EXTENSION
'G' = GARAGE
'EG' = EXTENSION AND GARAGE



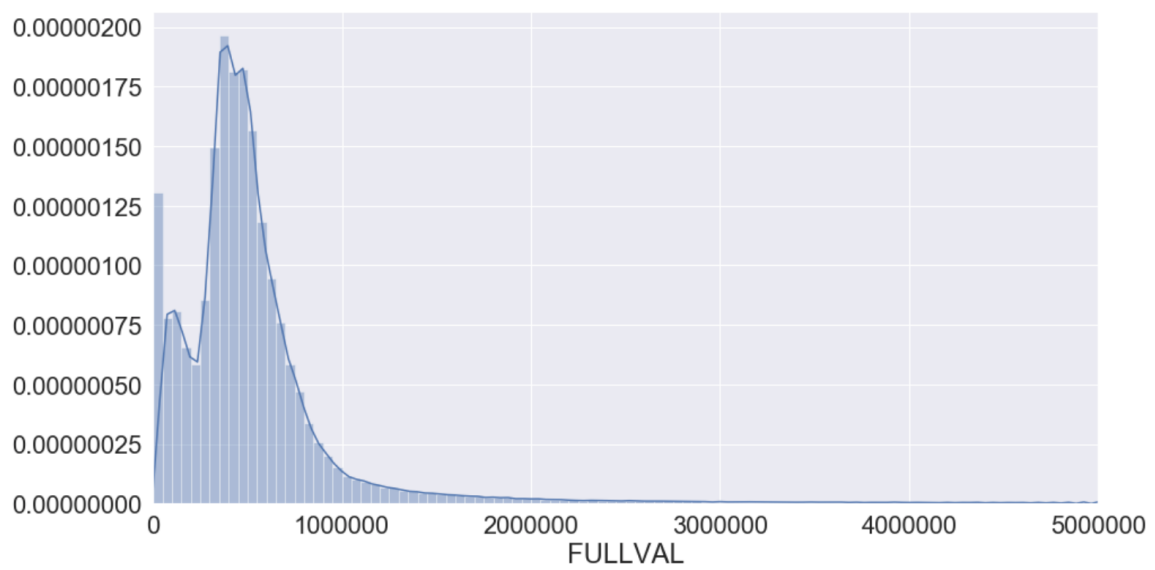
STORIES

The number of the stories for the building.



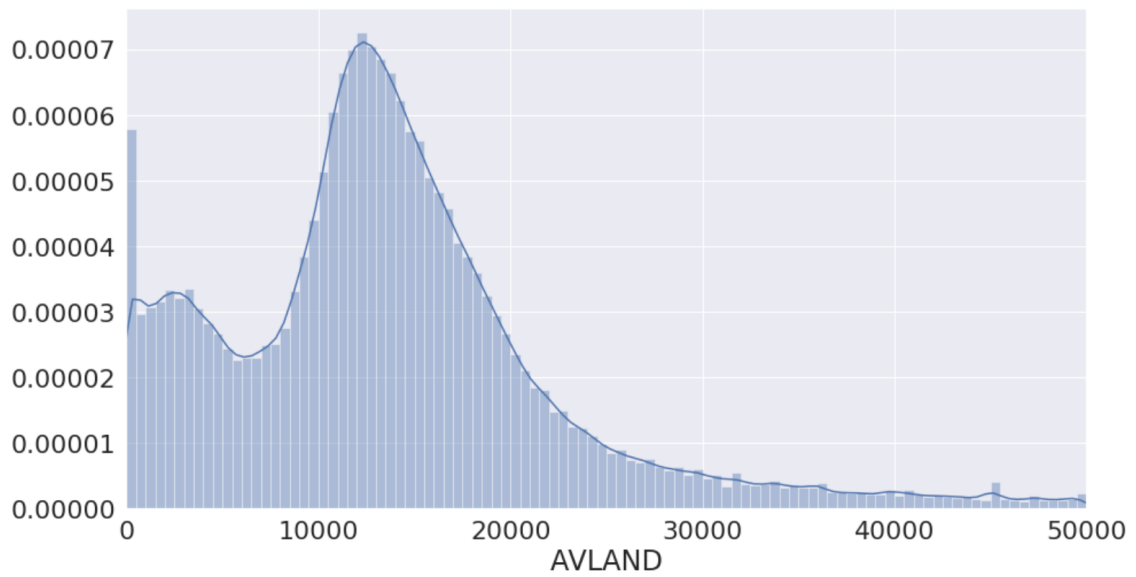
FULLVAL

Total market value of property if not zero.



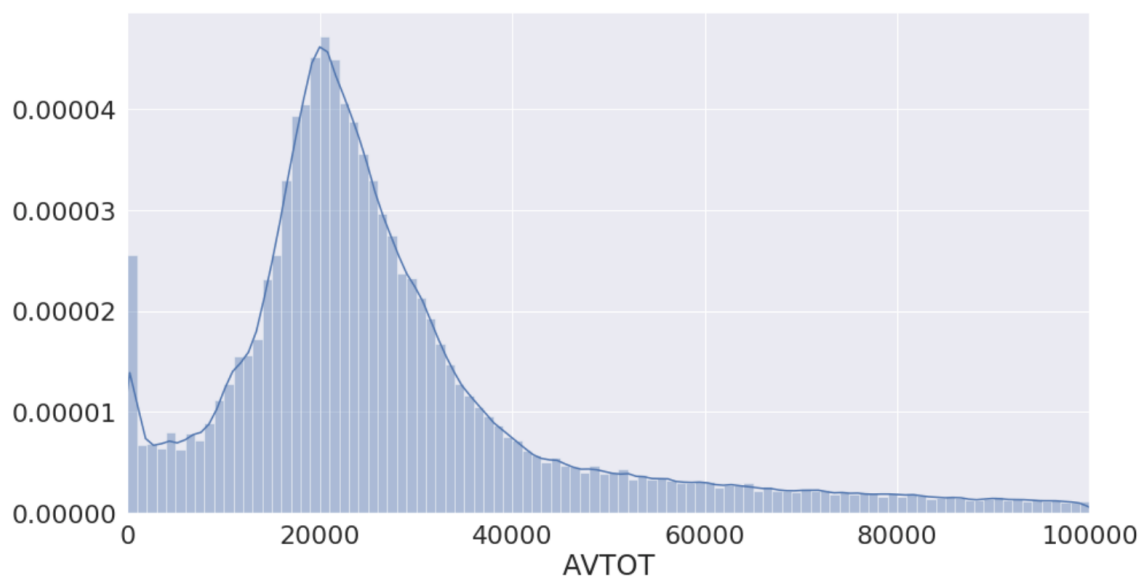
AVLAND

Total market value of land if not zero.



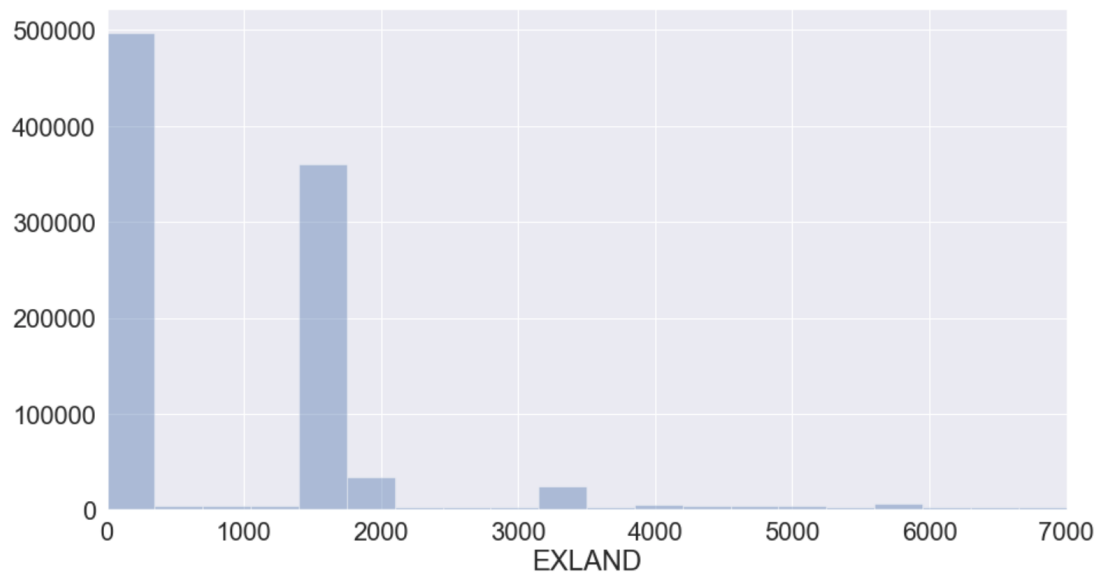
AVTOT

Total market value if not zero.



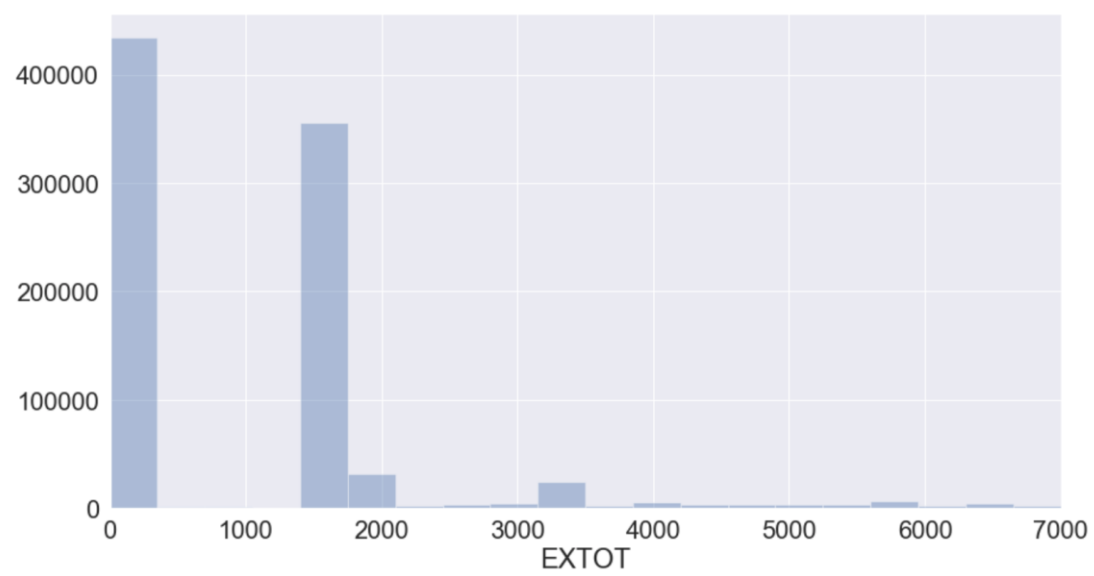
EXLAND

Exempt land value.



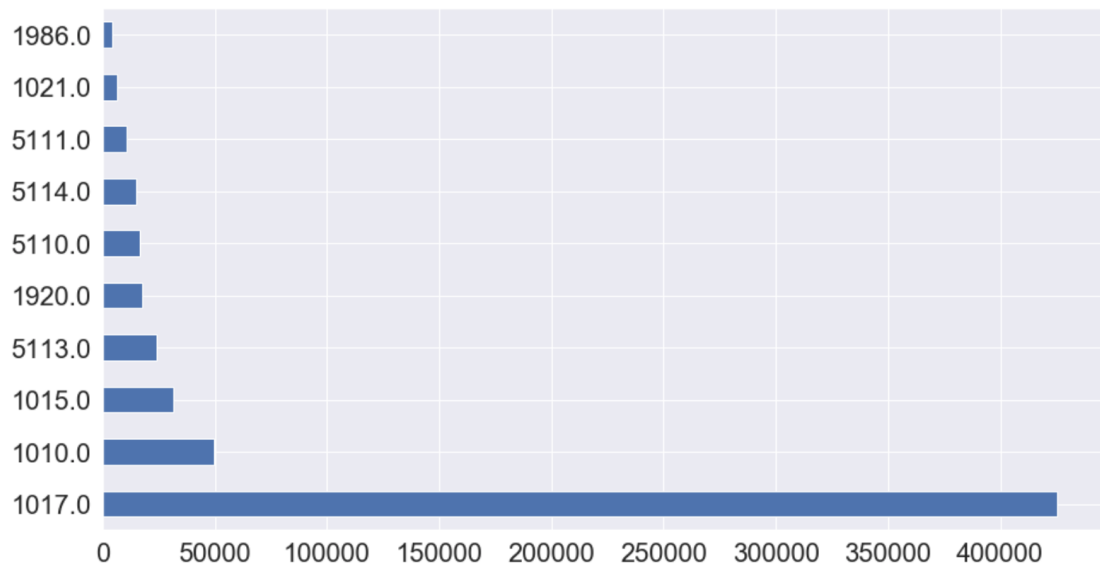
EXTOT

Exempt total value.



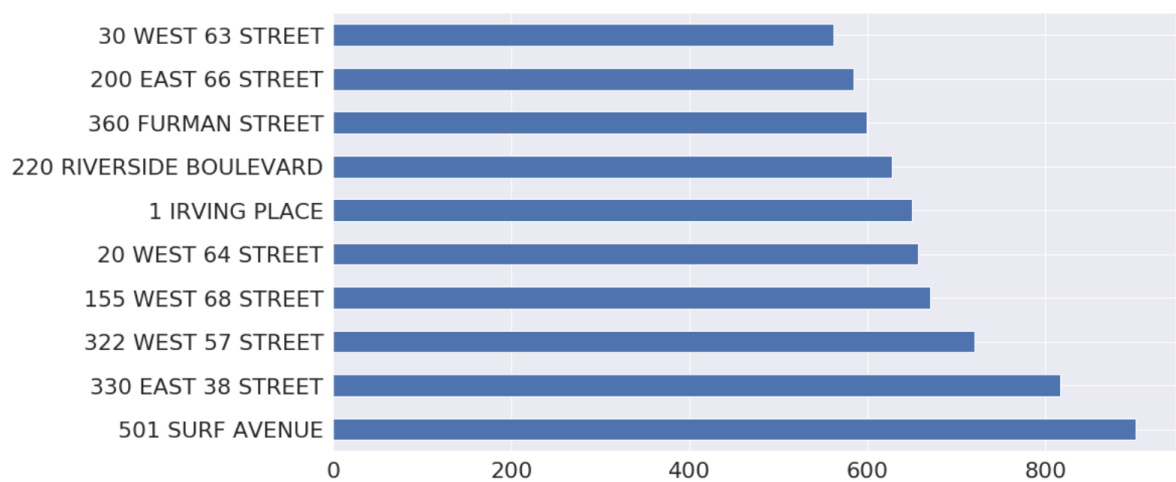
EXCD1

Exemption code.



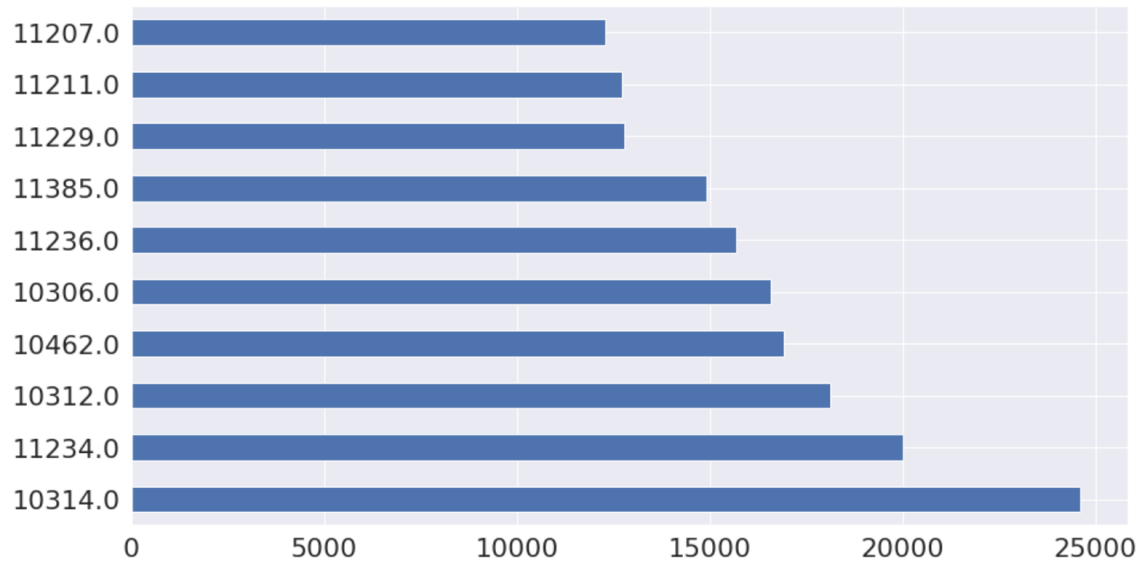
STADDR

Street address of the property.



ZIP

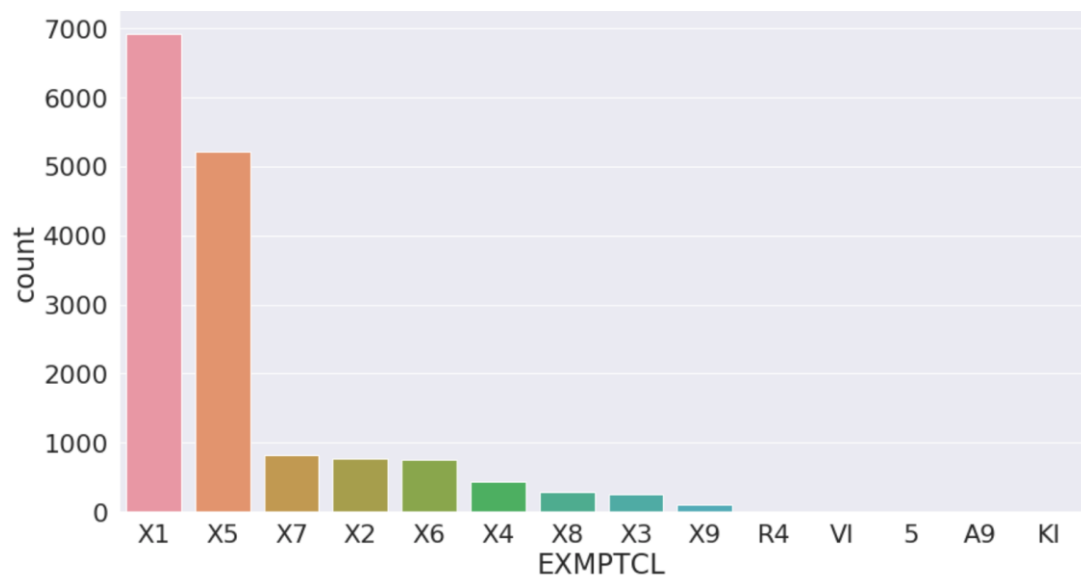
Postal zip code of the property.



EXMPTCL

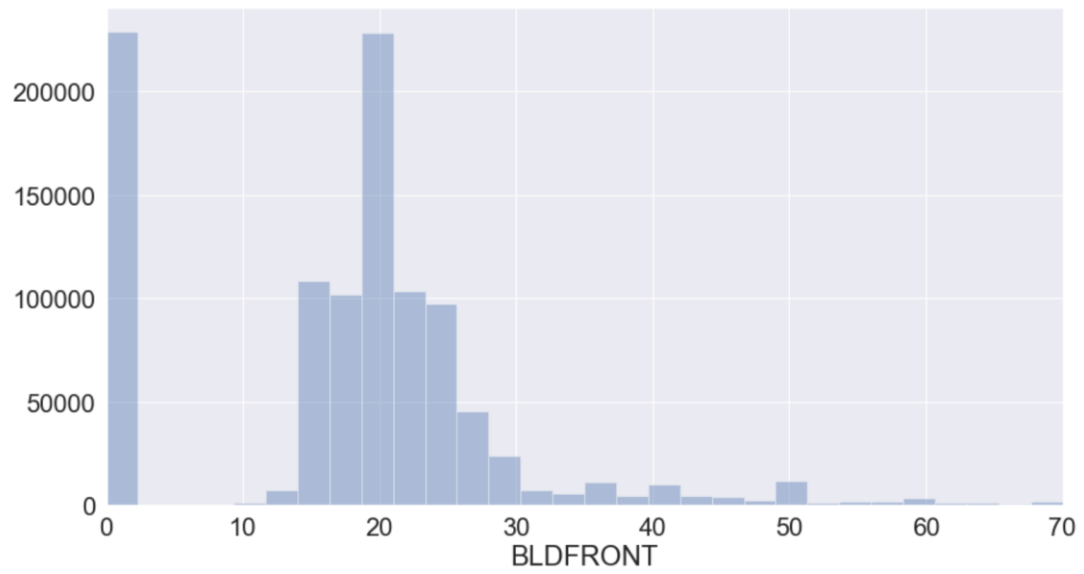
Exempt Class used for fully exempt properties only

'X1 - X9'. Position 1 = ALPHA & Position 2 = NUMERIC.



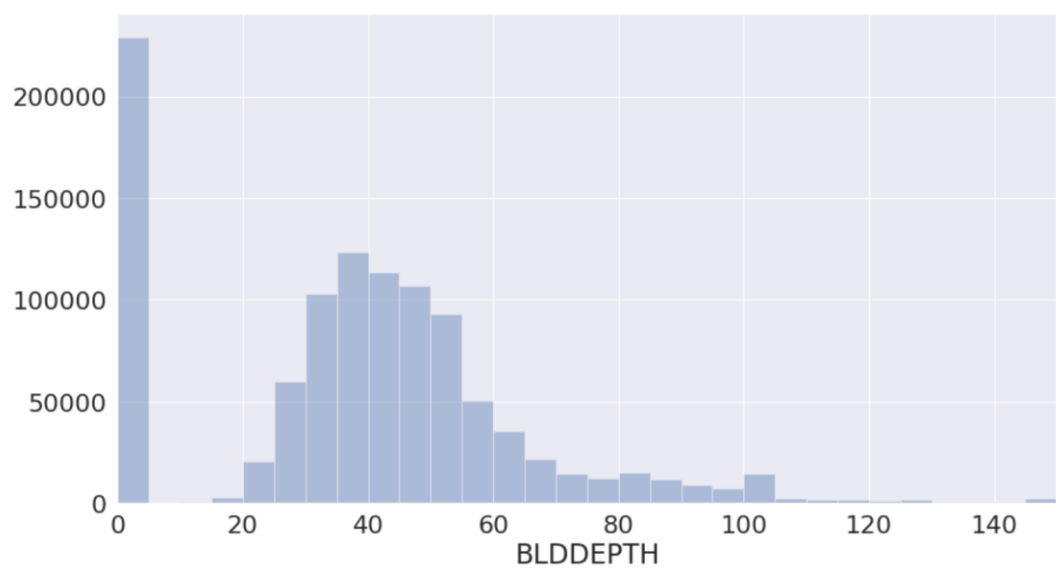
BLDFRONT

Building frontage in feet.



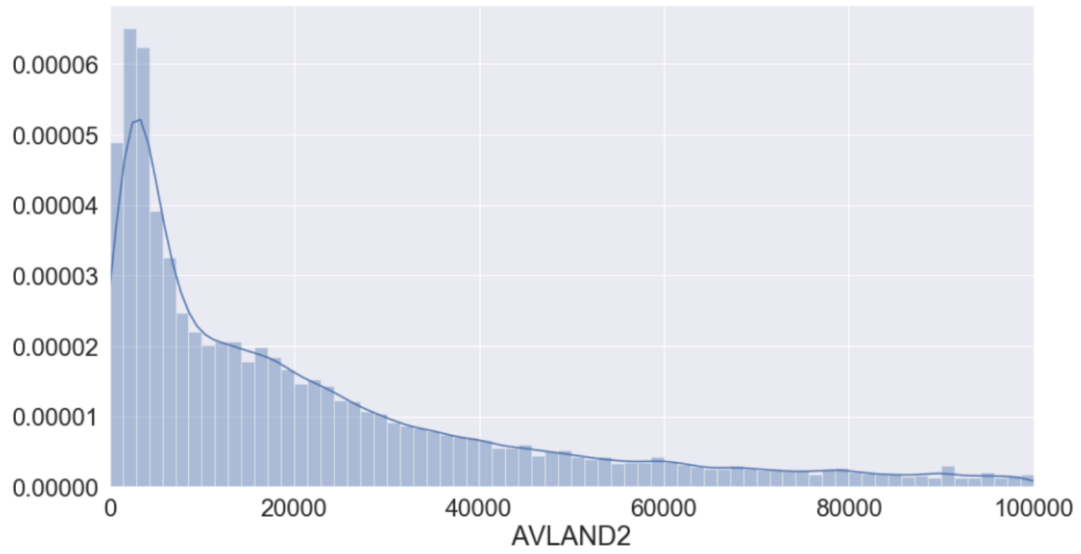
BLDDEPTH

Building depth in feet.



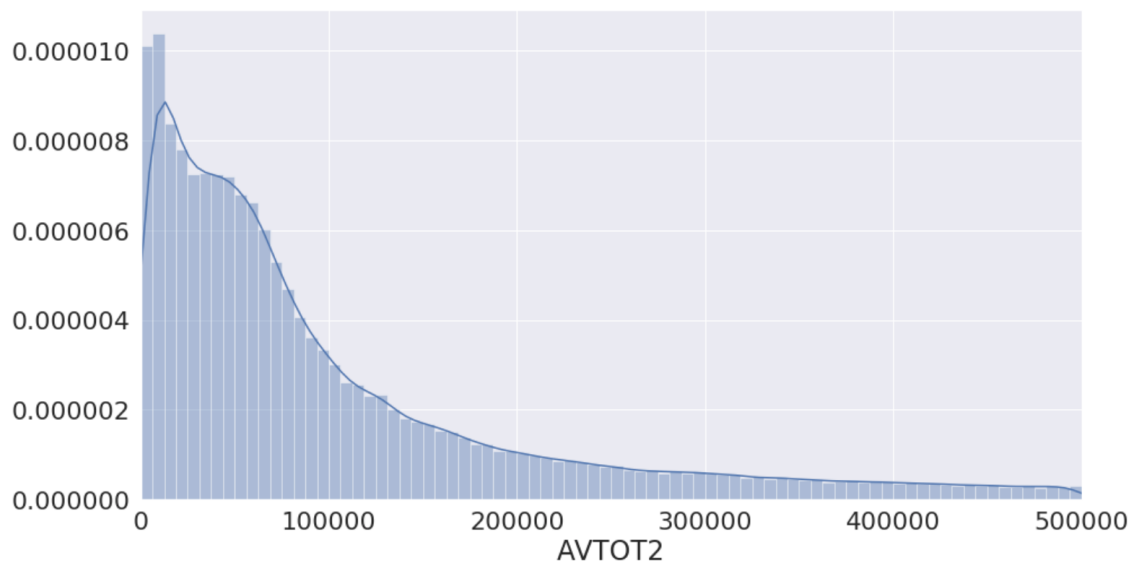
AVLAND2

Predicted total land value for the 2002/2003 fiscal year.



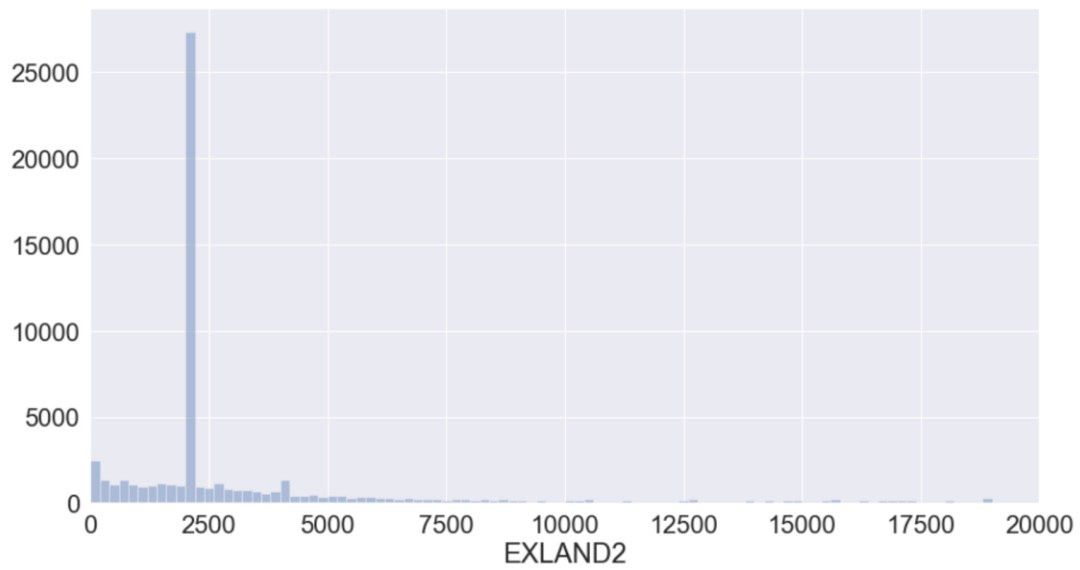
AVTOT2

Predicted total market value for the 2002/2003 fiscal year.



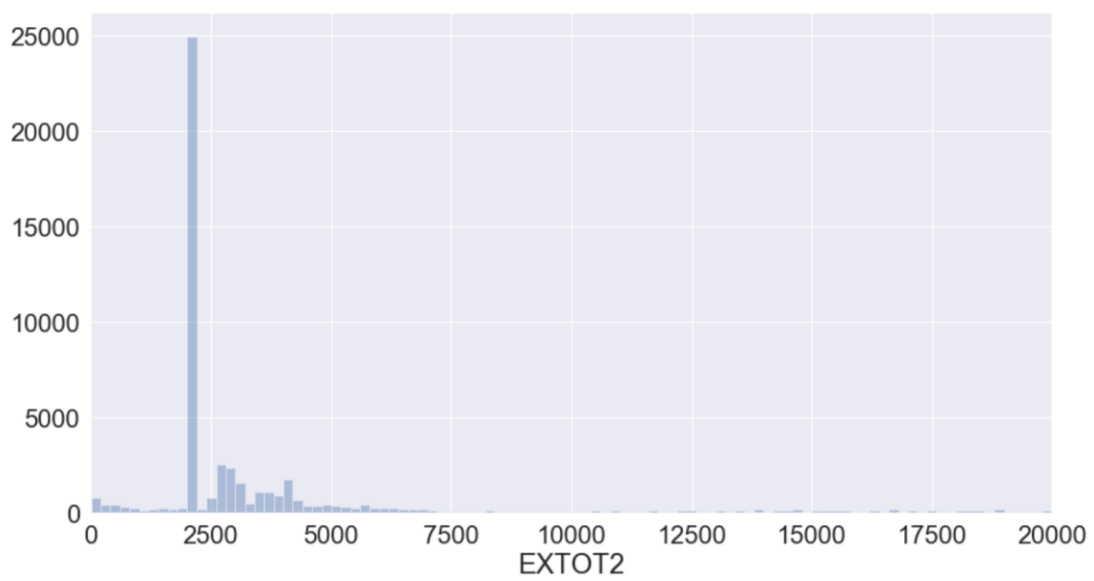
EXLAND2

Predicted exempt land value for the 2002/2003 fiscal year.



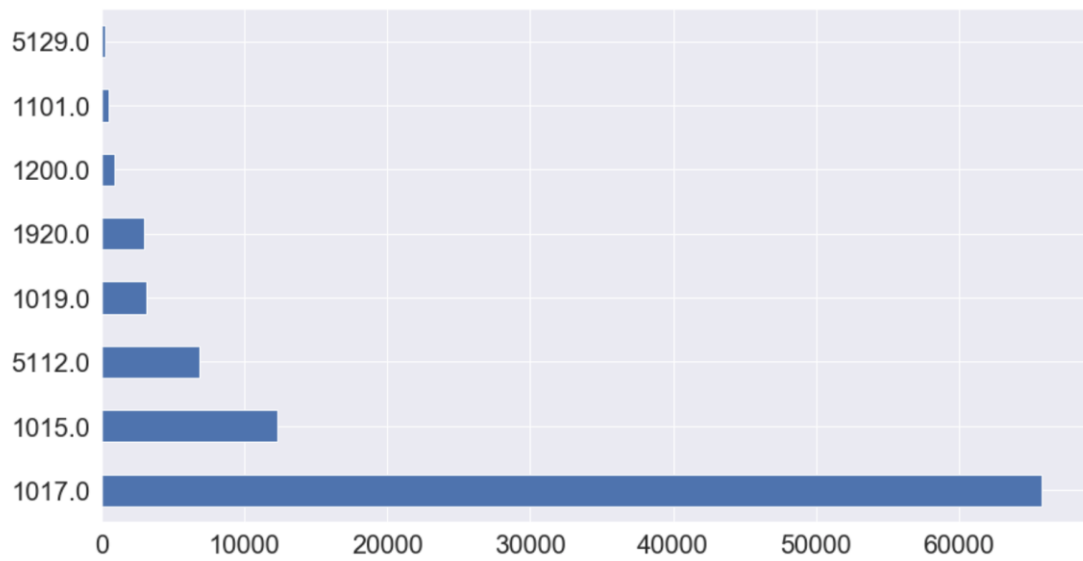
EXTOT2

Predicted exempt total value for the 2002/2003 fiscal year.



EXCD2

Exemption code for the 2002/2003 fiscal year.



PERIOD

Indicator for the change period of the file.

YEAR

Year of the file.

VALTYPE

Type of valuation.

The fields named PERIOD, YEAR, VALTYPE only have 1 unique value respectively.