Data Quality Report

High-level description:

This is a DQR on a dataset provided by the Stakeholder for New York Property Tax fraud analysis. It has 1070994 rows and 32 fields. It covers the period 2010/11.

Field summary:

Numeric Type Fields:

Field Name	% Populated	Min Val	Max Val	Mean	StdDeviation	% Zeros
LTFRONT	100	0	9999	36.6	74	169108
LTDEPTH	100	0	9999	88.8	76.3	170128
STORIES	94.7	1	119	5	8.4	0
FULLVAL	100	0	6150000000	874264.5	11582431	13007
AVLAND	100	0	2668500000	85068	4057260	13009
AVTOT	100	0	4668308947	227238	6877529.3	13007
EXLAND	100	0	2668500000	36423.9	3981575.7	491699
EXTOT	100	0	4668308947	91187	6508402.8	432572
BLDFRONT	100	0	7575	23	35.5	228815
BLDDEPTH	100	0	9393	39.9	42.7	228853
AVLAND2	26.4	3	2371005000	246235.7	6178962	0
AVTOT2	26.3	3	4501180002	713911.4	11652528.9	0
EXLAND2	8.1	1	2371005000	351235.6	10802212.6	0
EXTOT2	12.2	7	4501180002	656768.2	16072510.1	0
YEAR	100	2010/11	2010/11	2010/11		

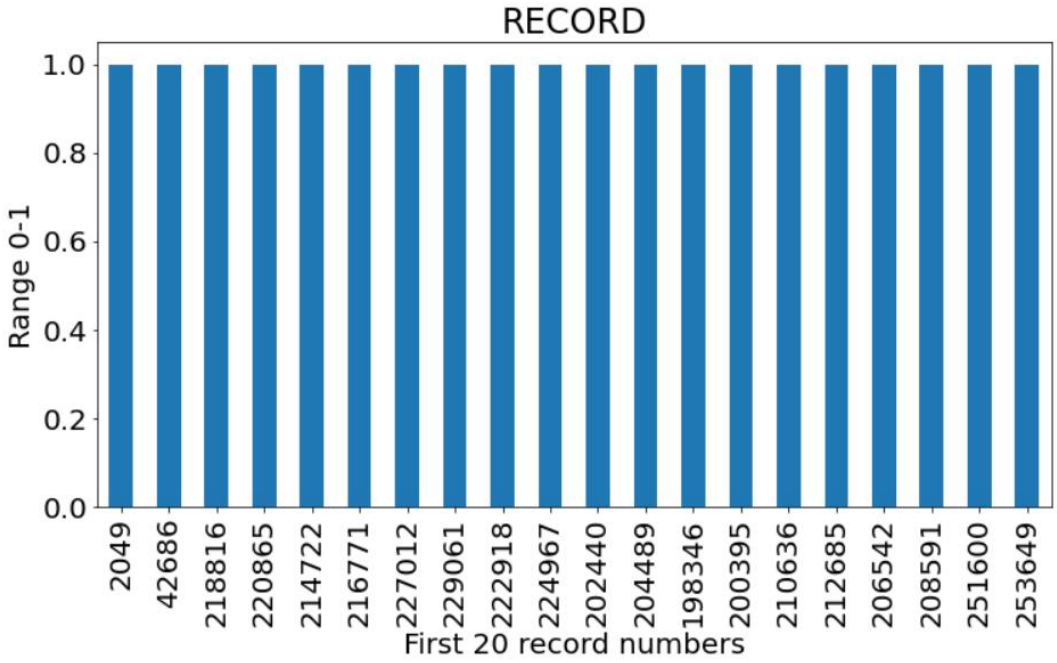
Category Type Fields:

Field Name	% Populated	# Unique Values	Most Common Value
RECORD	100	1070994	
BBLE	100	1070994	
BORO	100	5	4
BLOCK	100	13984	3944
LOT	100	6366	1
EASEMENT	0.4	13	E
OWNER	97	863348	PARKCHESTER PRESERVAT

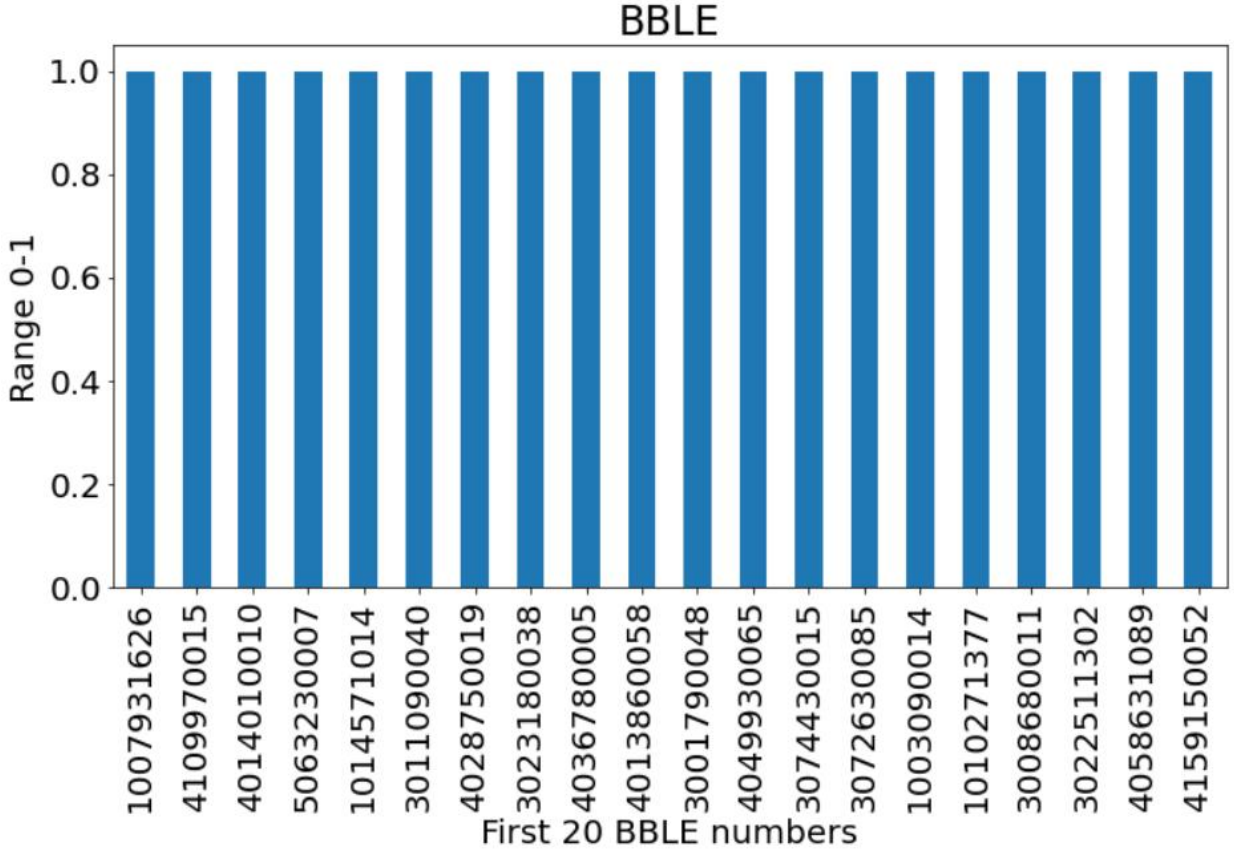
BLDGCL	100	200	R4
TAXCLASS	100	11	1
EXT	33	4	G
EXCD1	59.6	130	1017
STADDR	99.9	839281	501 SURF AVENUE
ZIP	97.2	197	10314
EXMPTCL	1.4	15	X1
EXCD2	8.6	61	1017
PERIOD	100	1	FINAL
VALTYPE	100	1	AC-TR

Individual field summary:

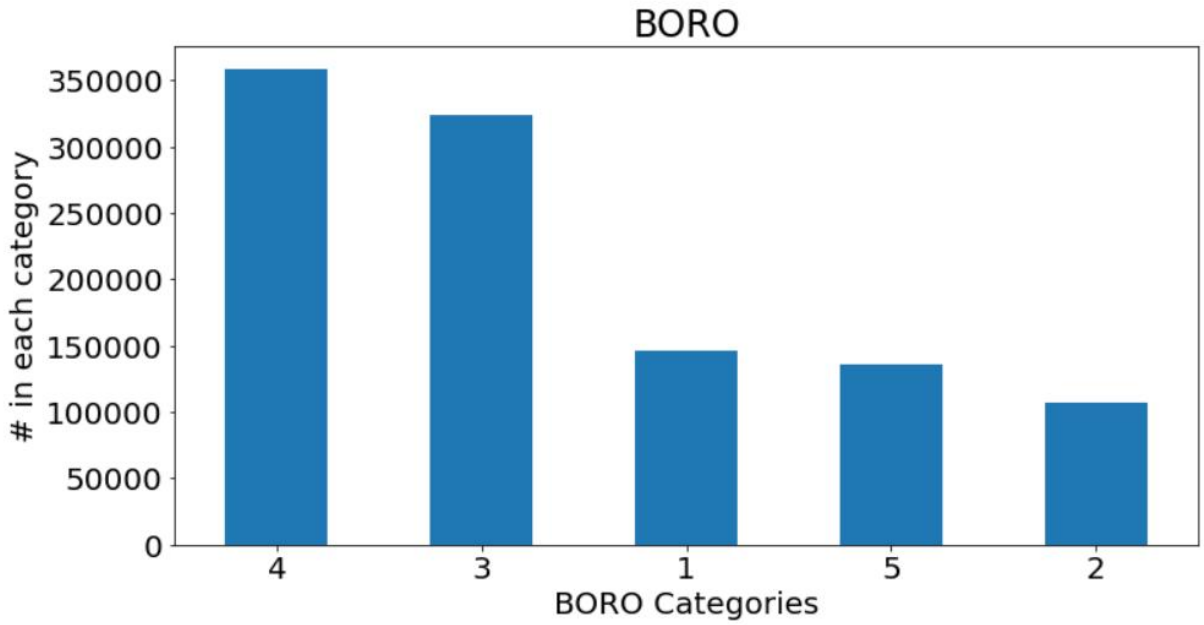
1. RECORD: This is an identification number of the record.



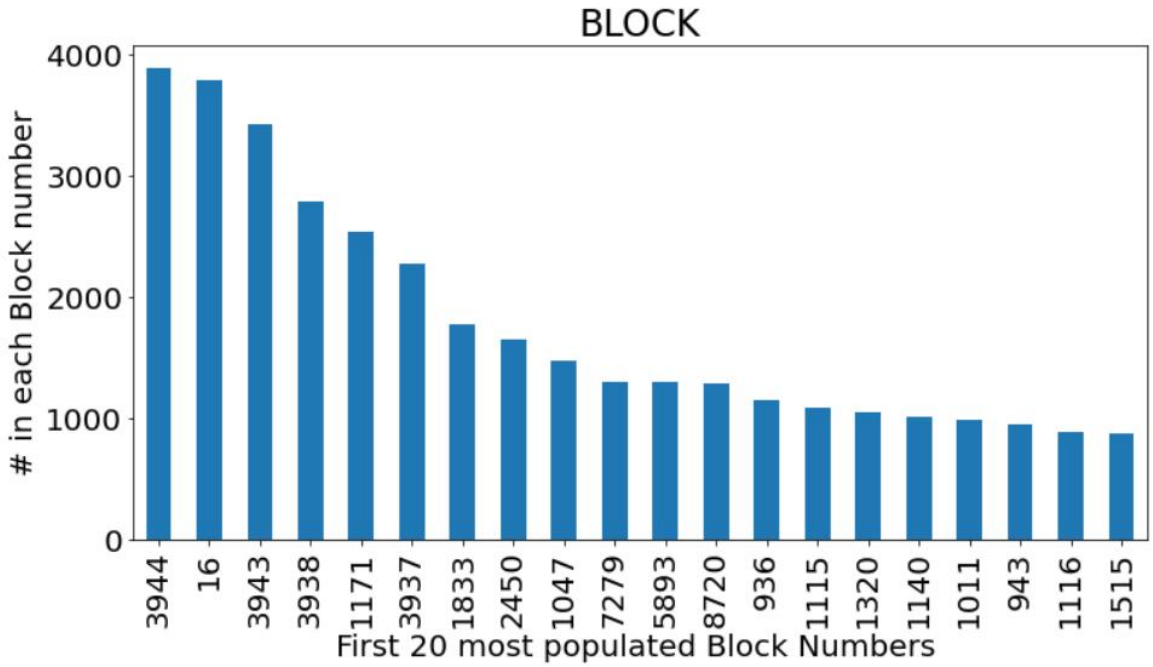
2. BBLE: It is an identification number that signifies Boro, Block, Lot and Easement code.



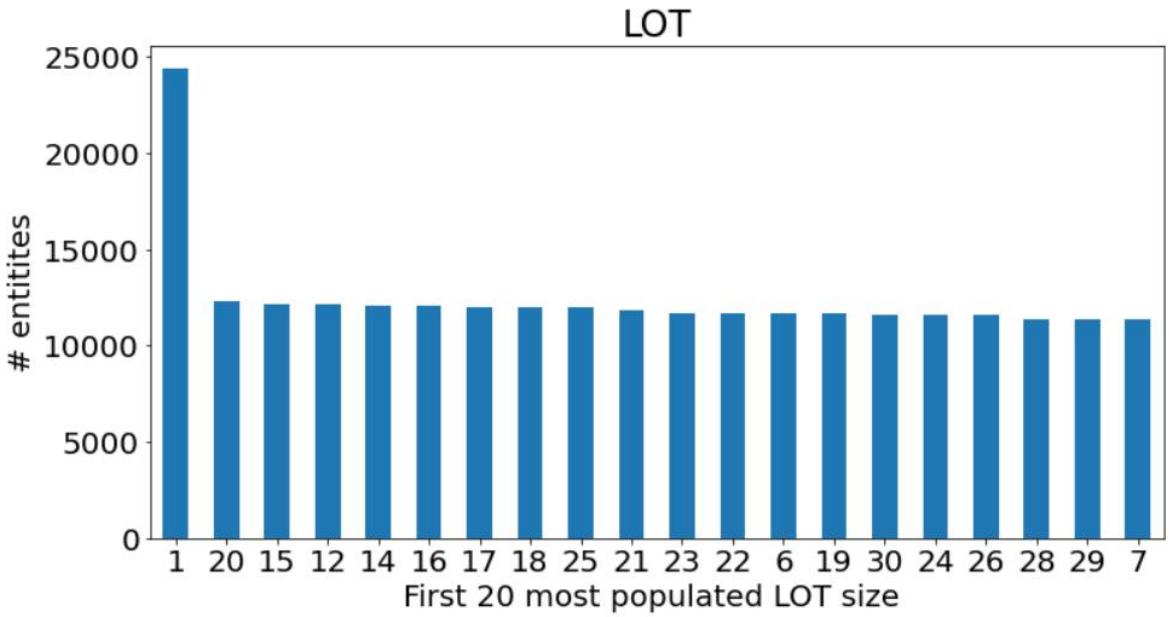
3. BORO: Stands for Borough. It has 5 values. 1 = Manhattan, 2 = Bronx, 3 = Brooklyn, 4 = Queens, 5 = Staten Island.



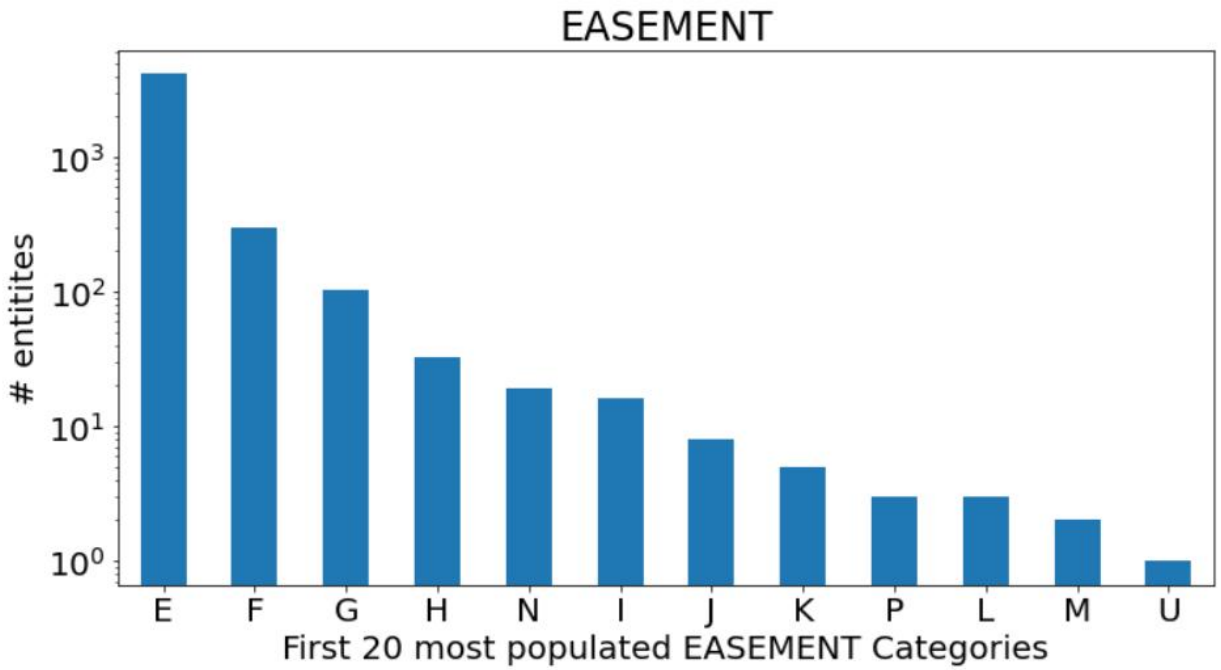
4. BLOCK: These are block numbers taken from the block ranges based on BORO. Manhattan: 1 to 2255, Bronx: 2260 to 5958, Brooklyn: 1 to 8955, Queens: 1 to 16350, Staten Island: 1 to 8050.



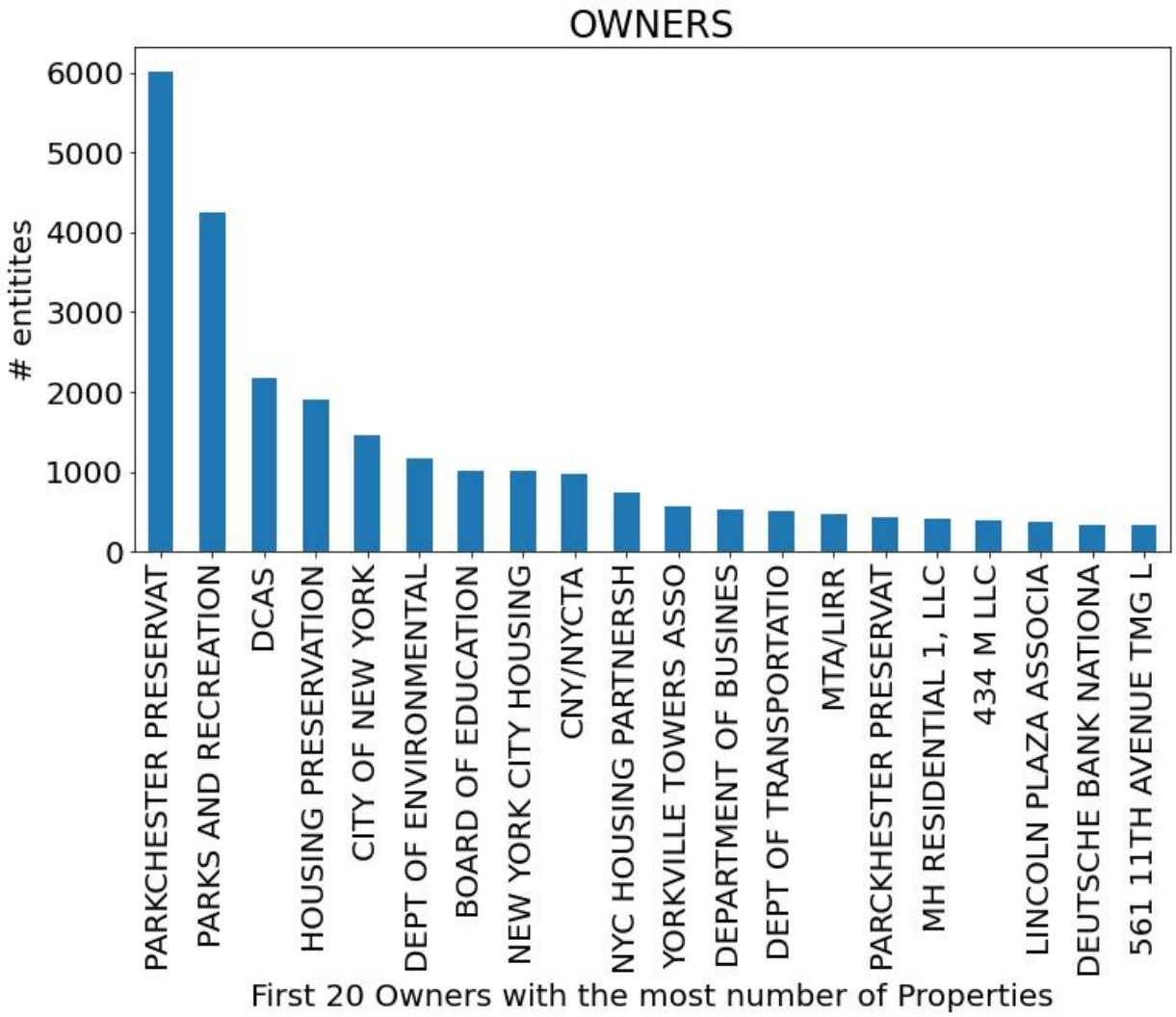
5. LOT: Indicates the LOT size with respective to each property.



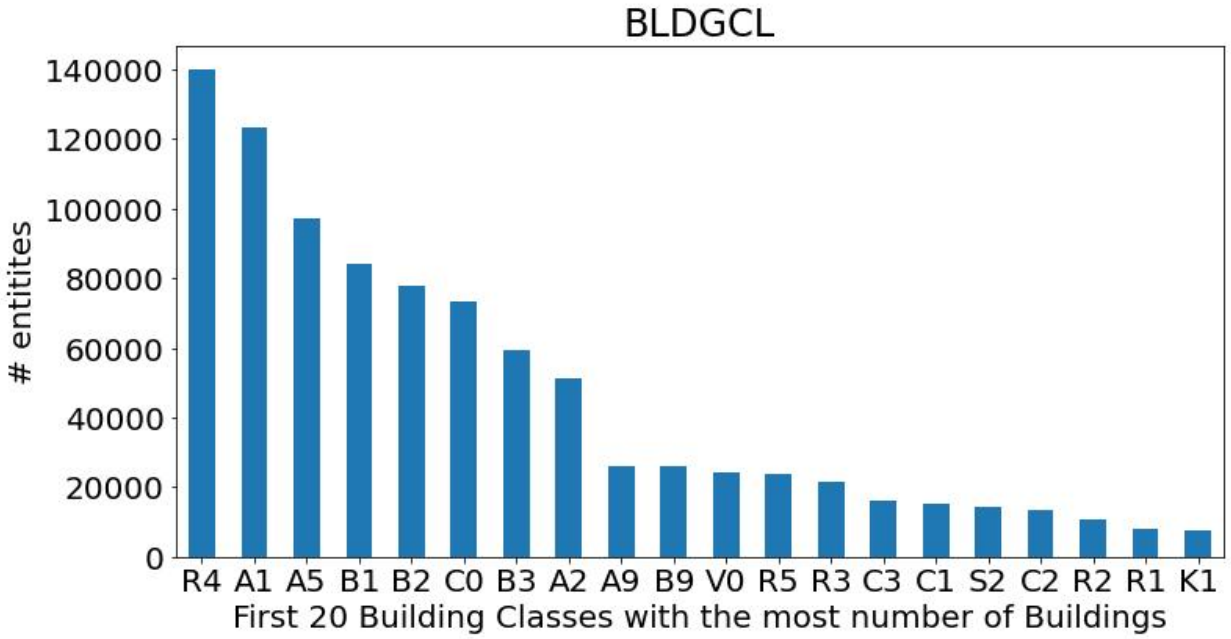
6. EASEMENT: Describes which type of Easement does the property have. Space = No Easement
   A = Air Easement
   B = Non-Air Rights
   E = Land Easement
   F Thru M are duplicates of E
   N = Non-Transit Easement
   P = Pier
   R = Railroad
   S = Street
   U = U.S. Government



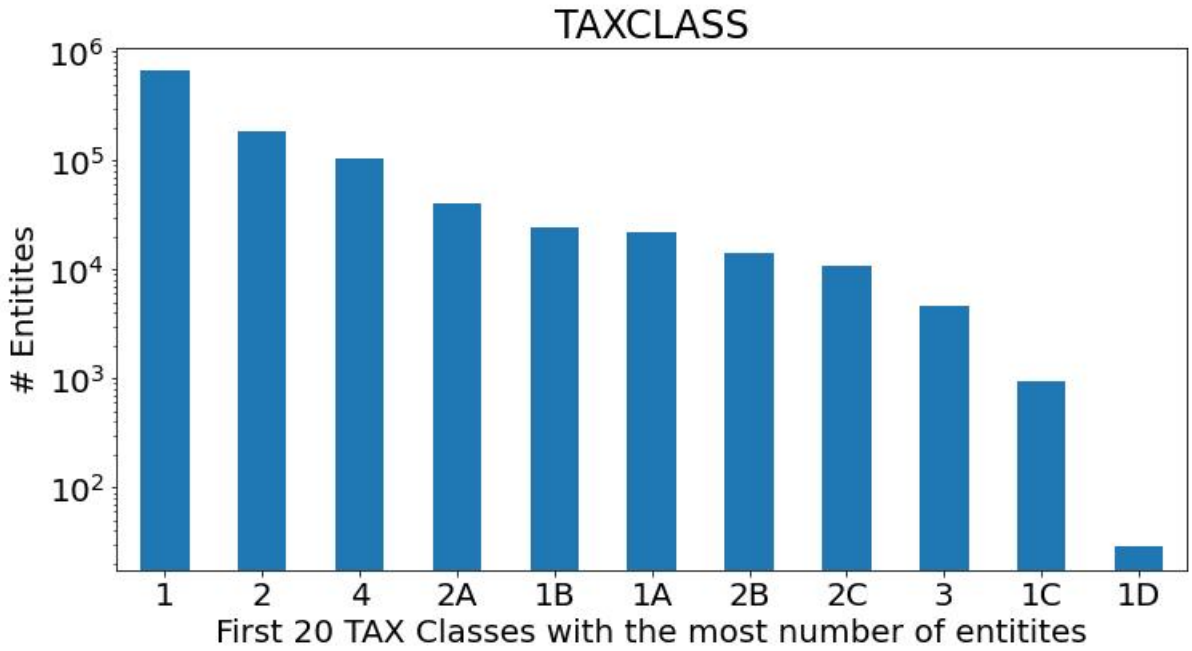
7. OWNER: It indicates the name of the owner.



8. BLDGCL: it denotes the class of the Building.

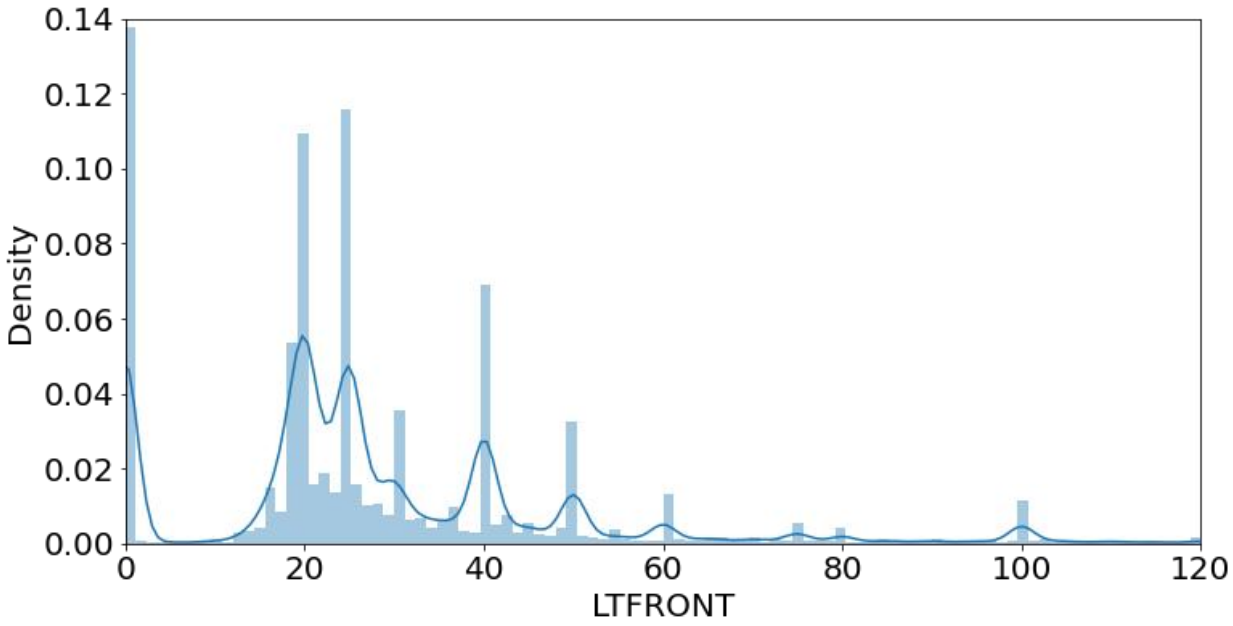


9. TAXCLASS:
   1 = 1 - 3 Unit Residence, 2 = Apartments, 2A = 4, 5, or 6 Units, 3 = Utilities, 4 = All Others.



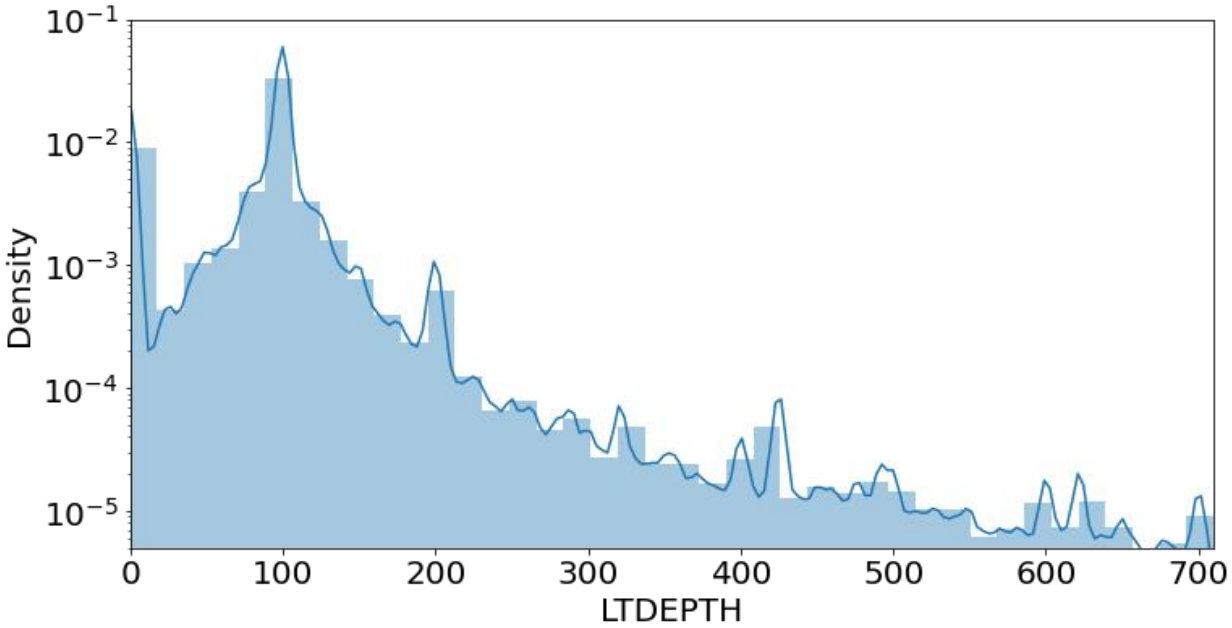
10. LTFRONT: It is the Lot Width.

The below figure uses a logarithmic scale and the Lot width is limited to 102.

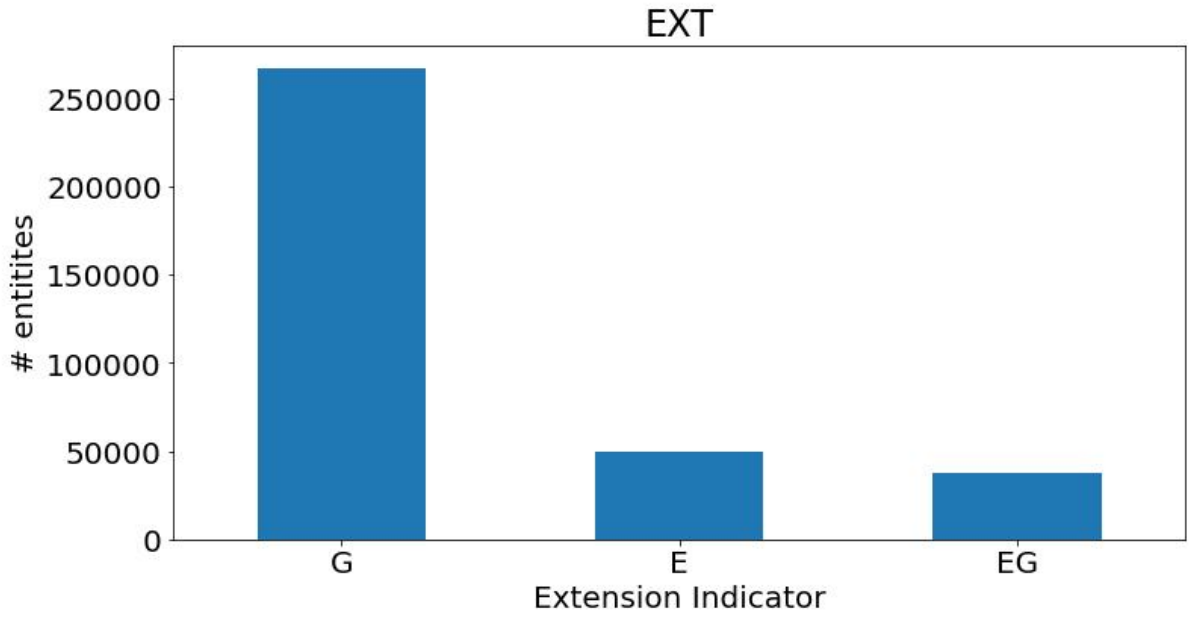


11. LTDEPTH: It is the Lot Depth.

The below figure uses a logarithmic scale and the Lot Depth is limited to 710.

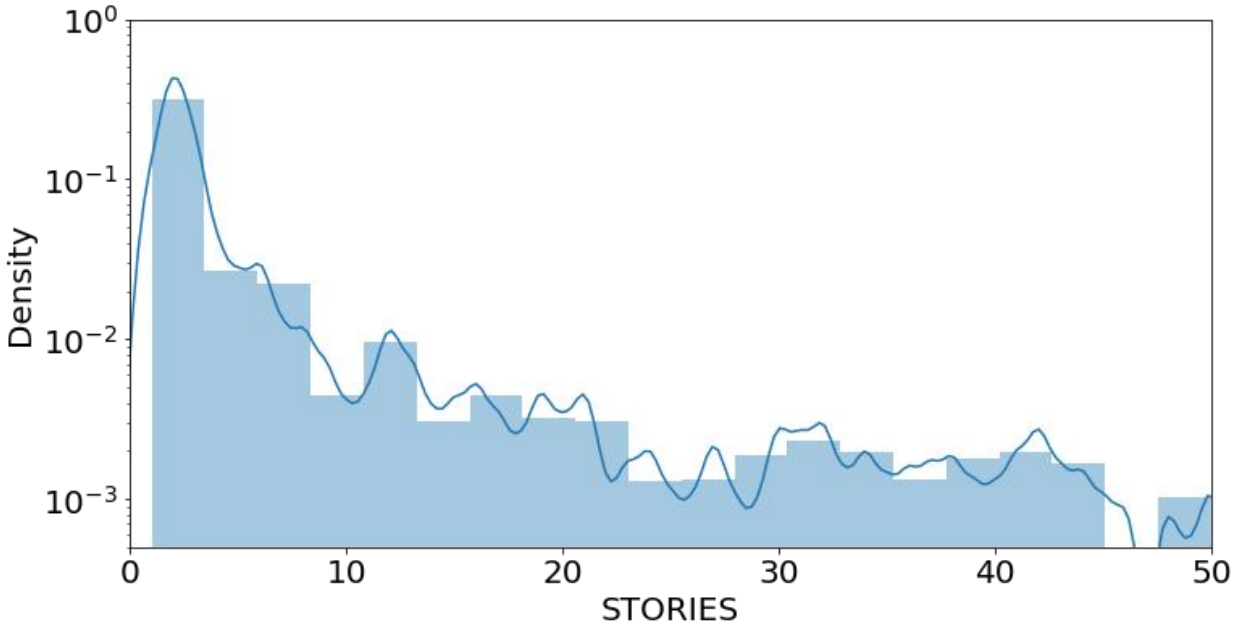


12. EXT: Extension Indicator



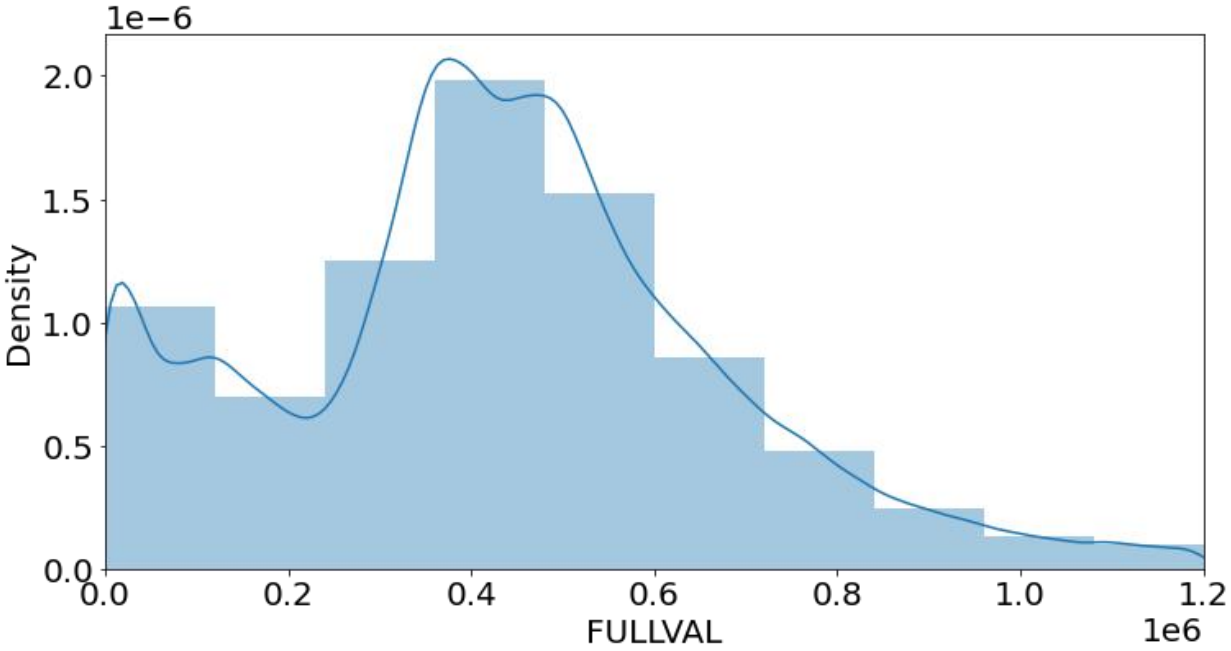
13. STORIES: Number of Stories in Building.

The below figure uses a logarithmic scale and the Stories are limited to 50.

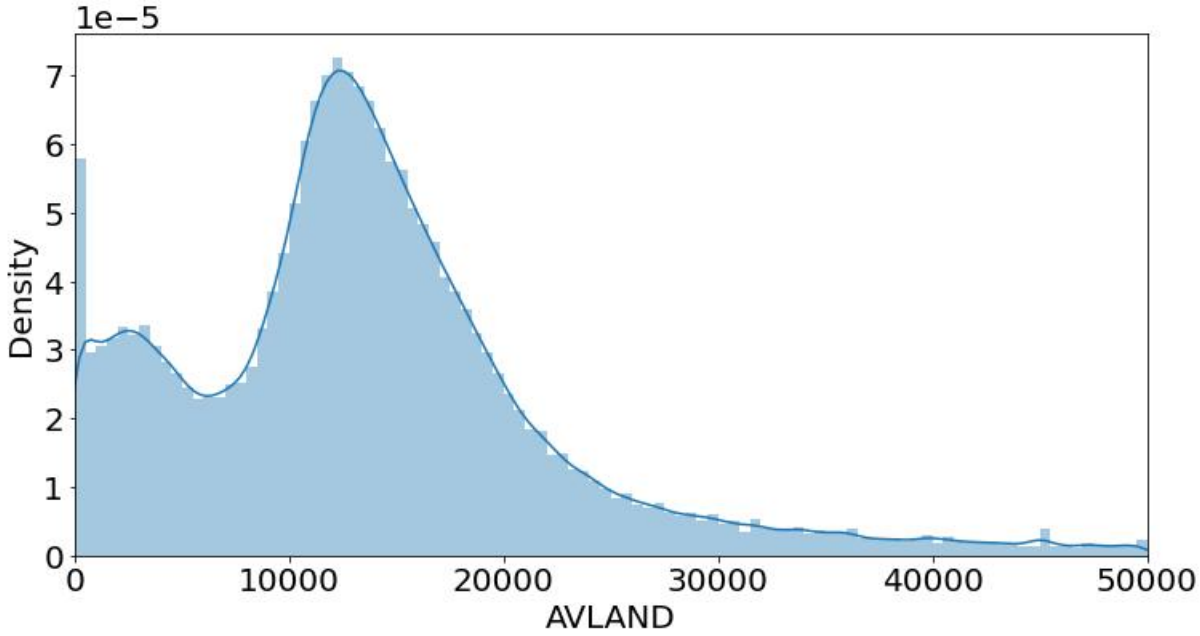


14. FULLVAL: Market Value. 1200000

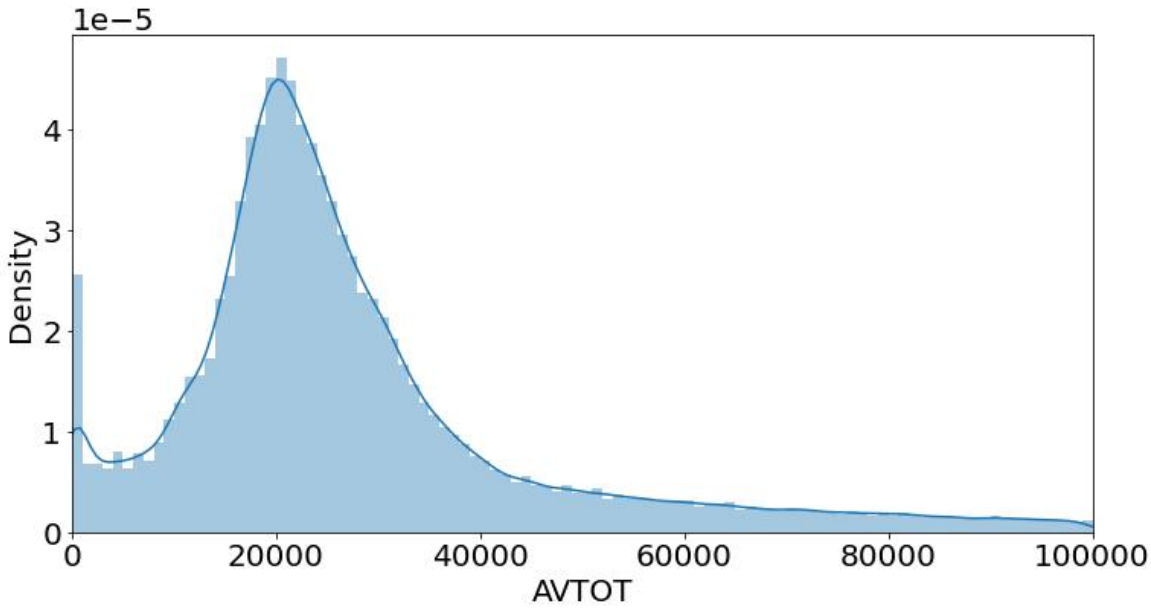
The below figure uses a logarithmic scale and displays up to a market value of 1200000.



15. AVLAND: Actual Land Value.

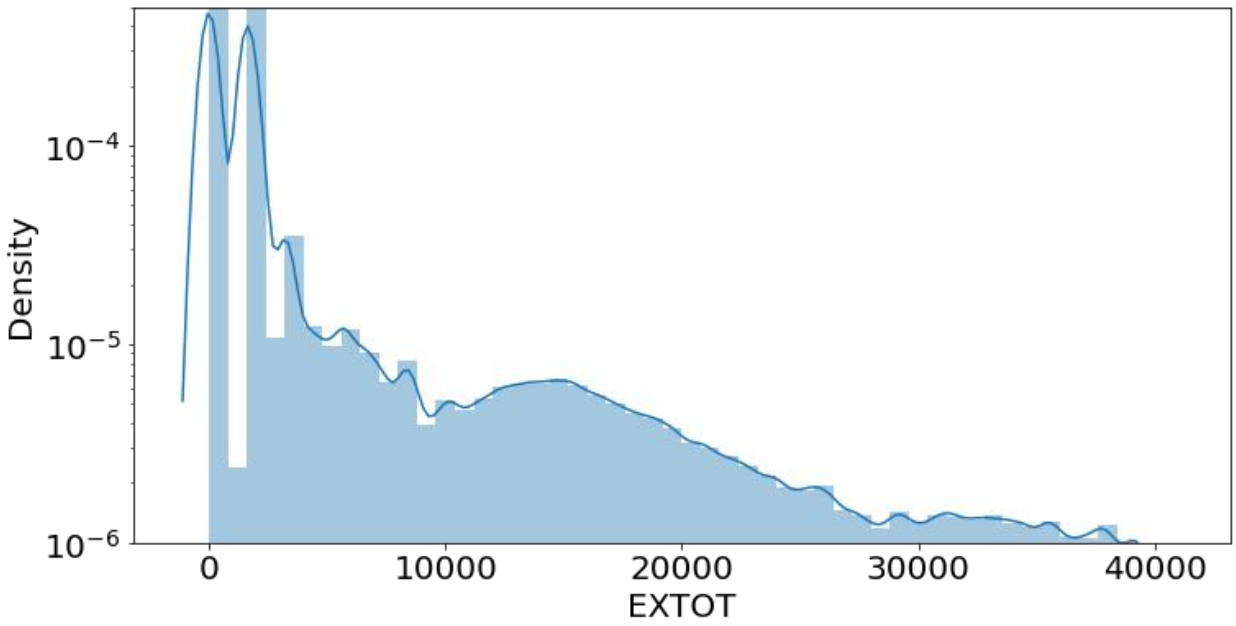


16. AVTOT: Actual Total Value

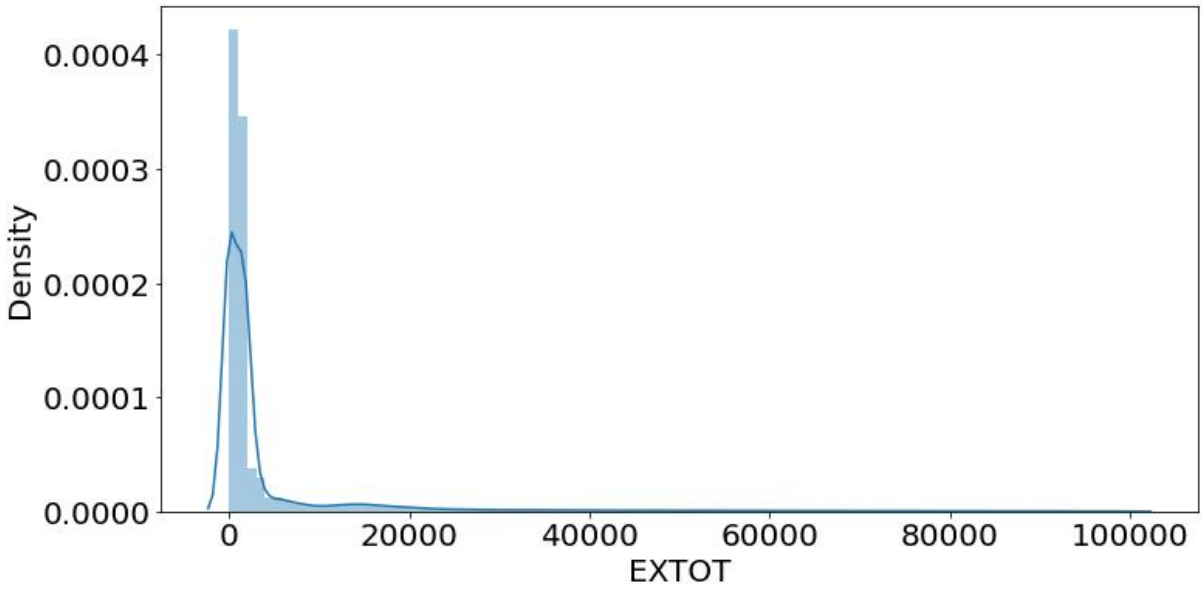


17. EXLAND: Actual Exempt Land Value

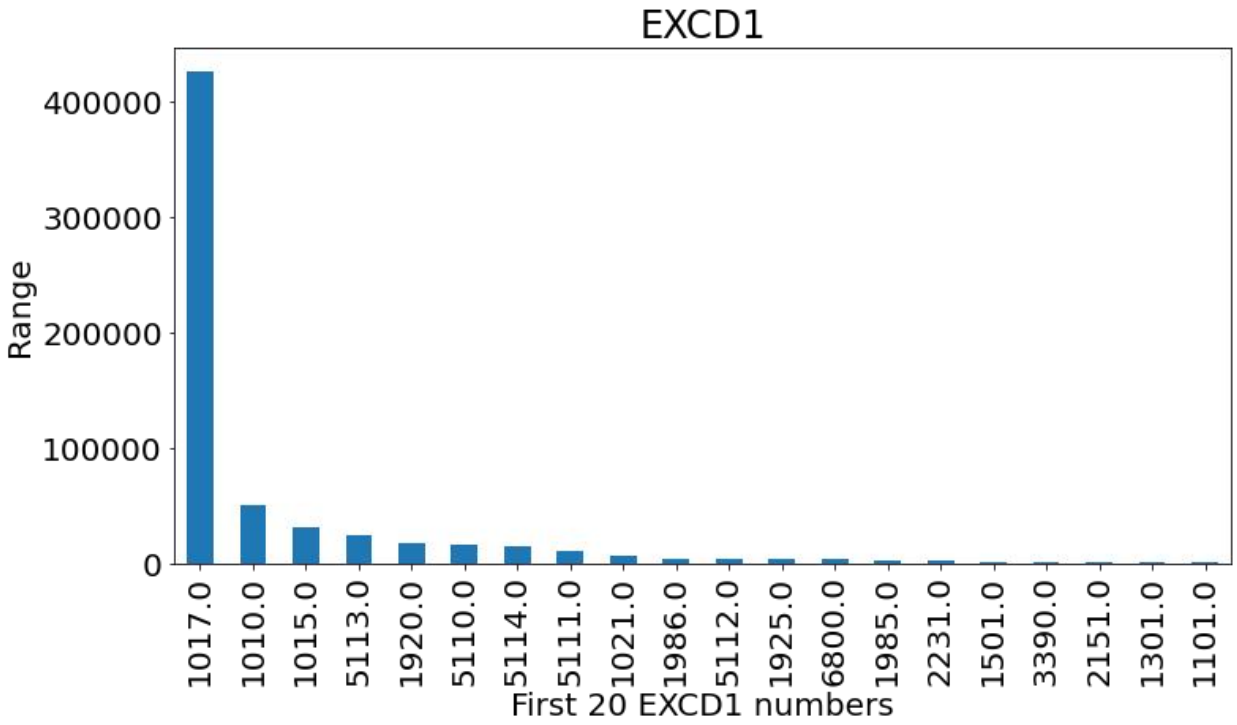
The below figure uses a logarithmic scale.



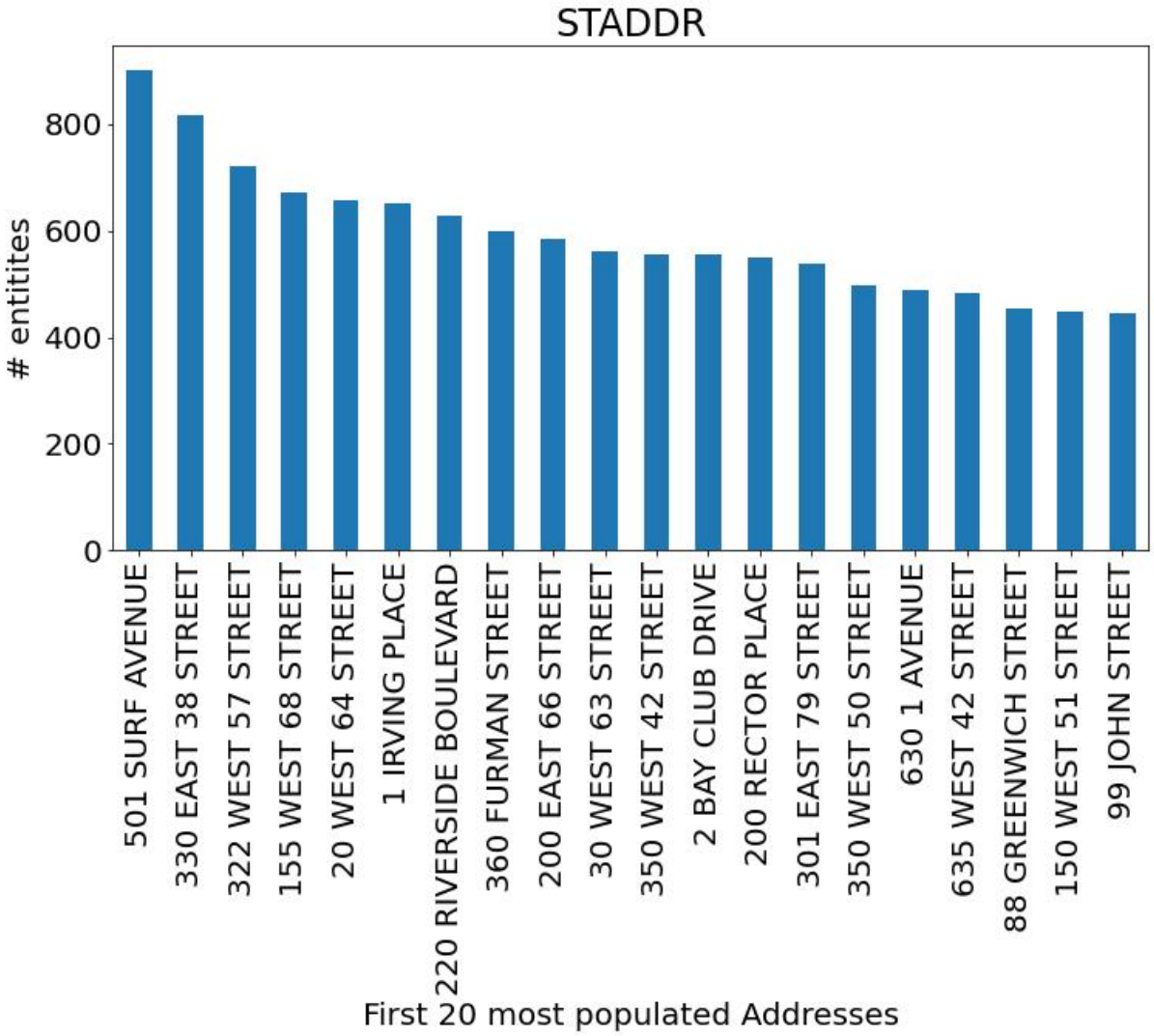
18. EXTOT: Actual Exempt Land Total



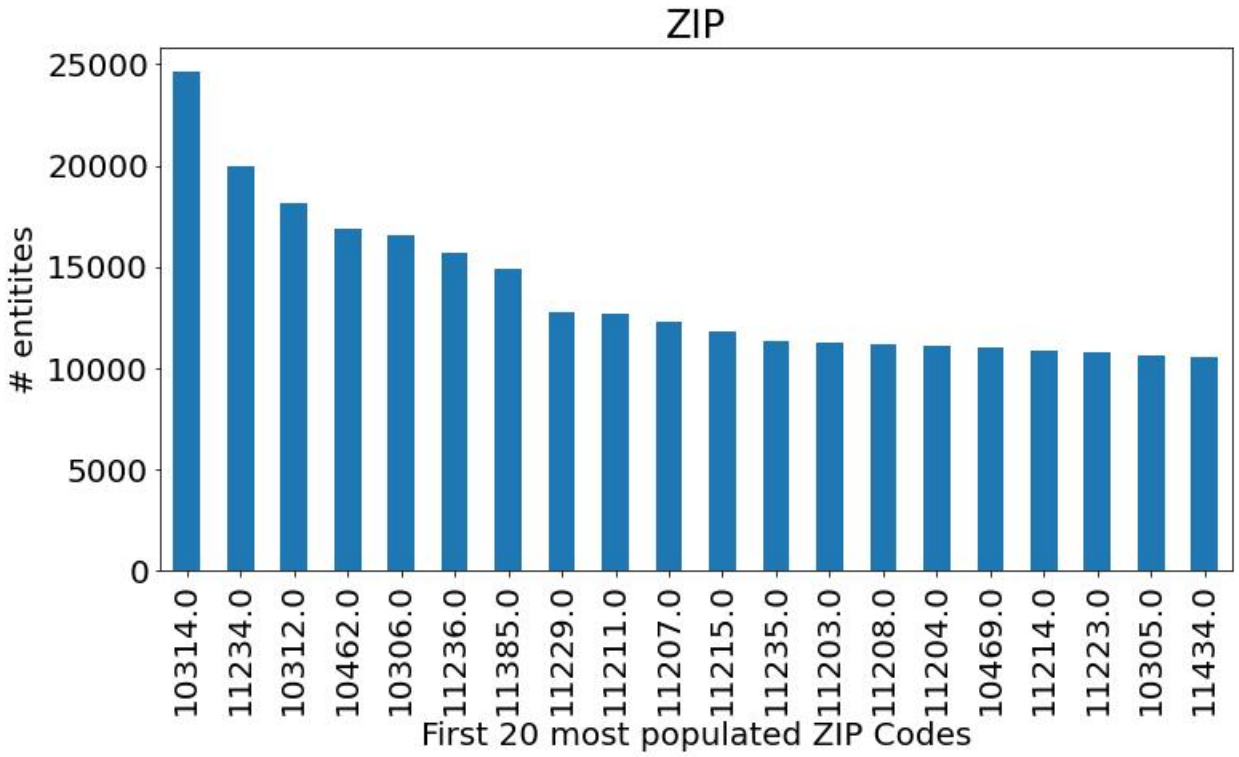
19. EXCD1: Exemption Code 1



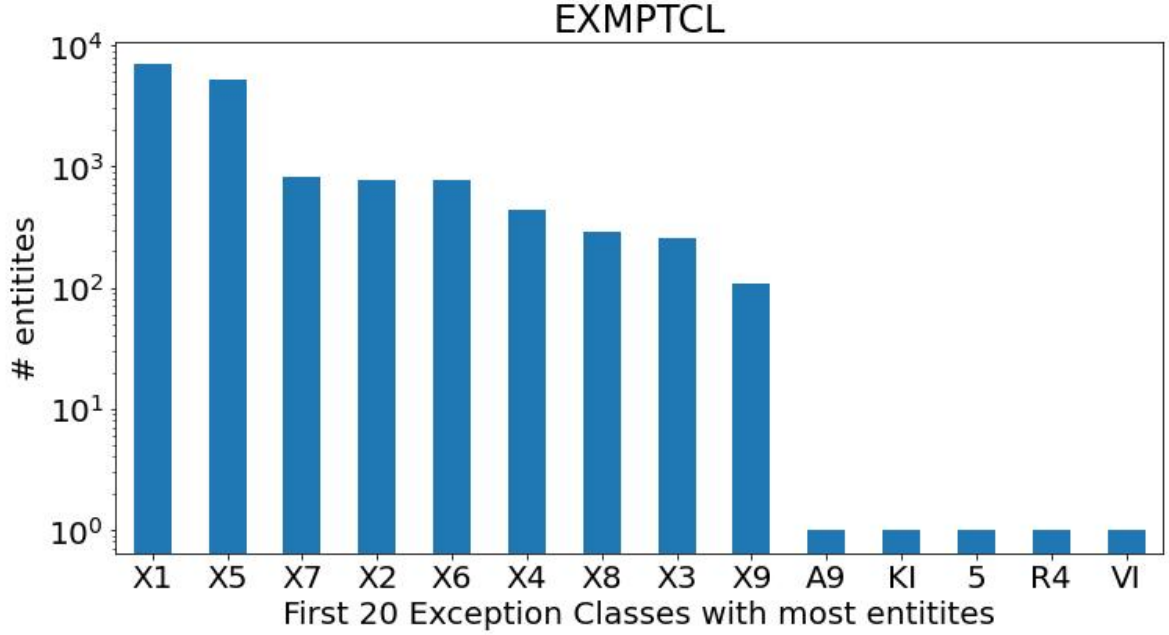
20. STADDR: Street Address.



21. ZIP: ZIP code.

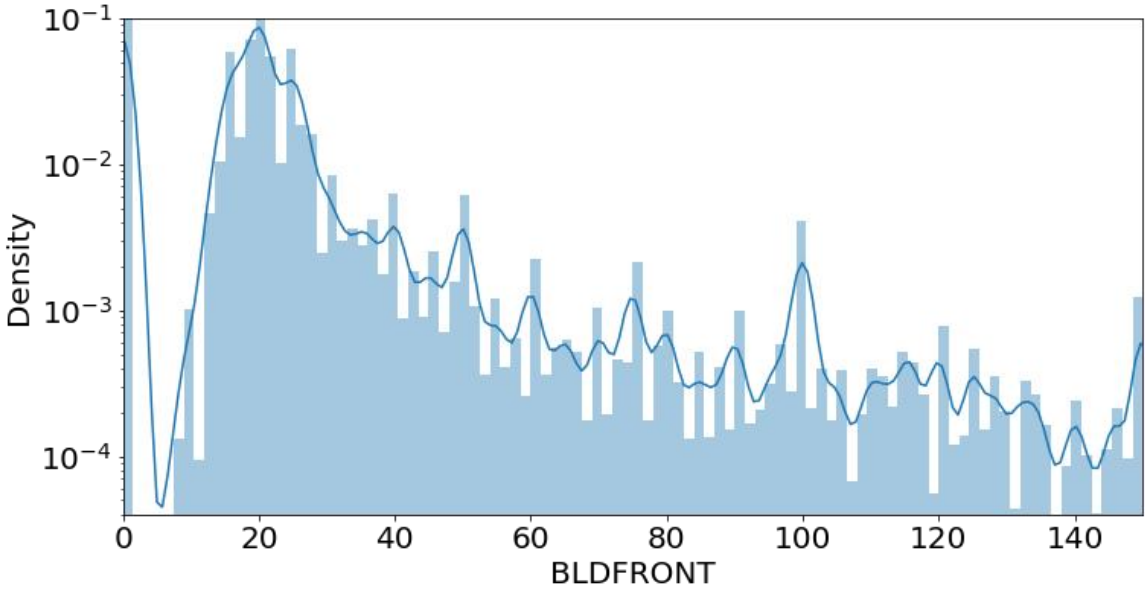


22. EXMPTCL: Exemption Class.



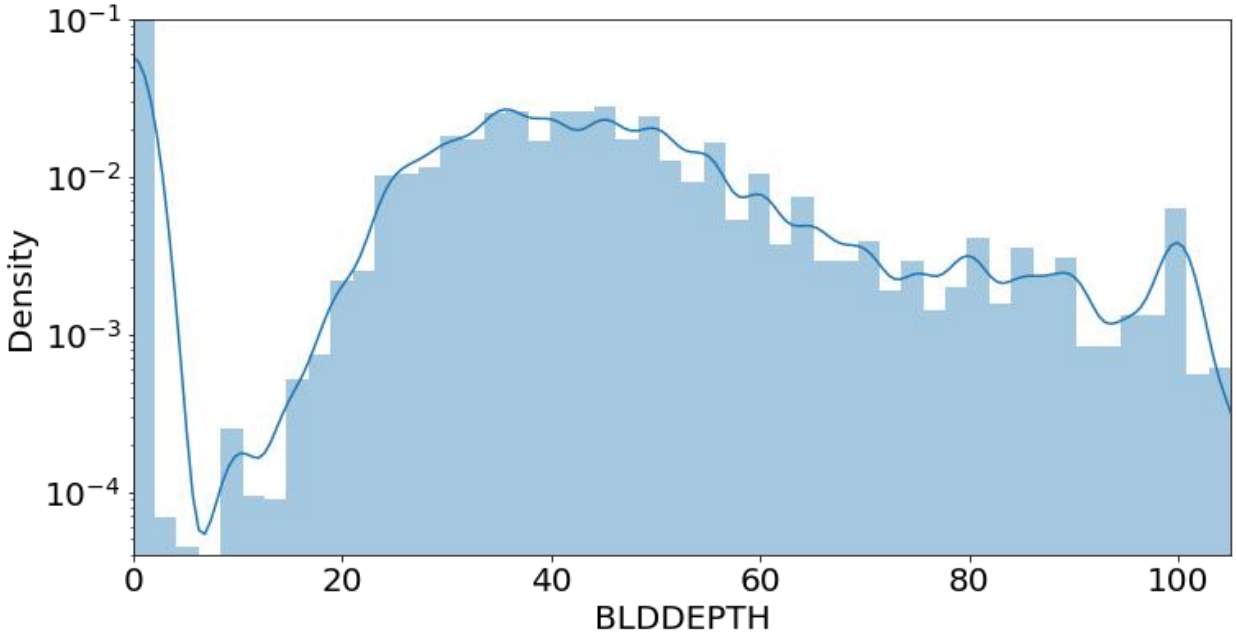
23. BLDFRONT: Building Width.

The below figure uses a logarithmic scale and displays up to a Building Width of 150.



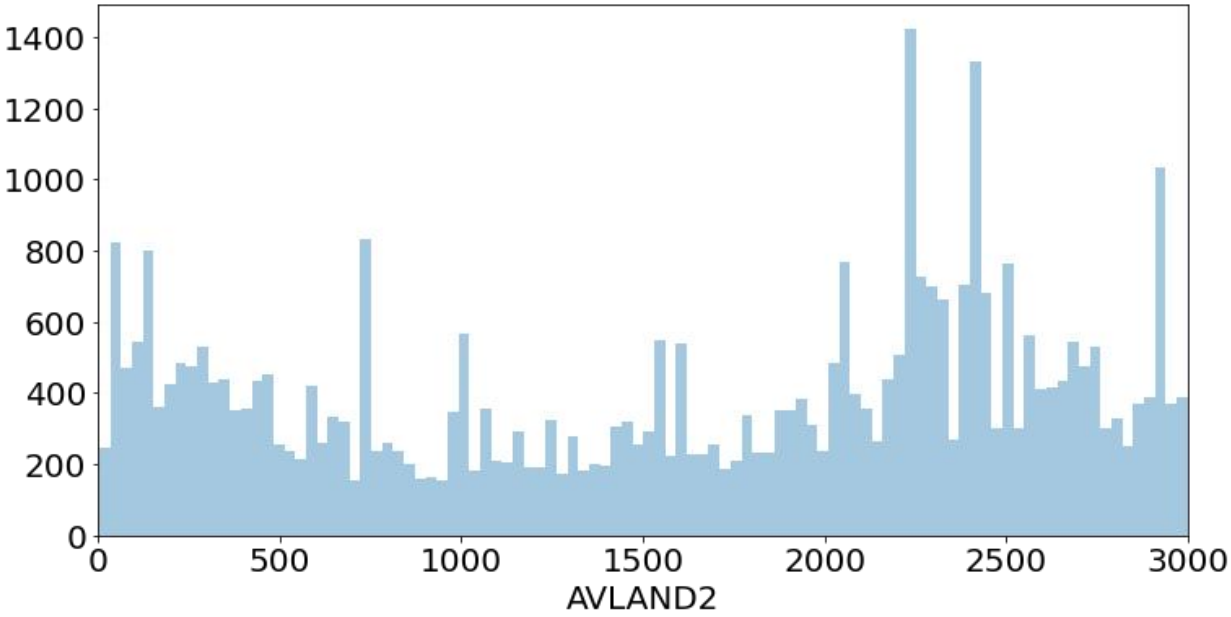
24. BLDDEPTH: Building Depth.

The below figure uses a logarithmic scale and displays Density up to a Building Depth of 100.

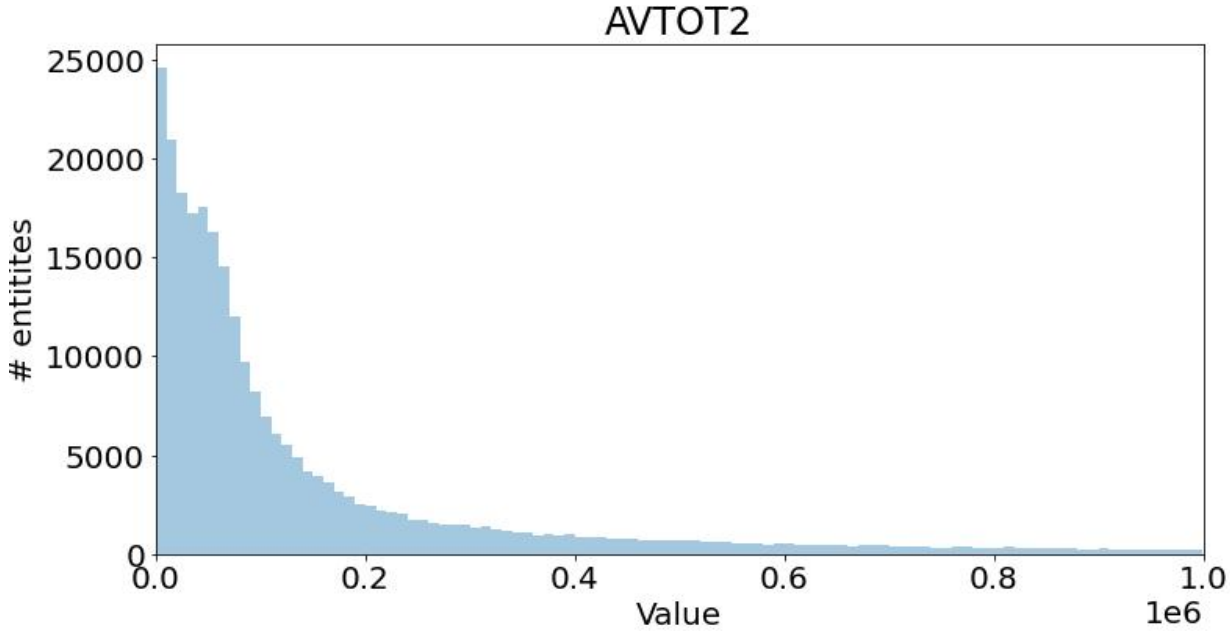


25. AVLAND2: Transitional Land Value.

The below figure displays number of entities up to a 3000 transitional land value.

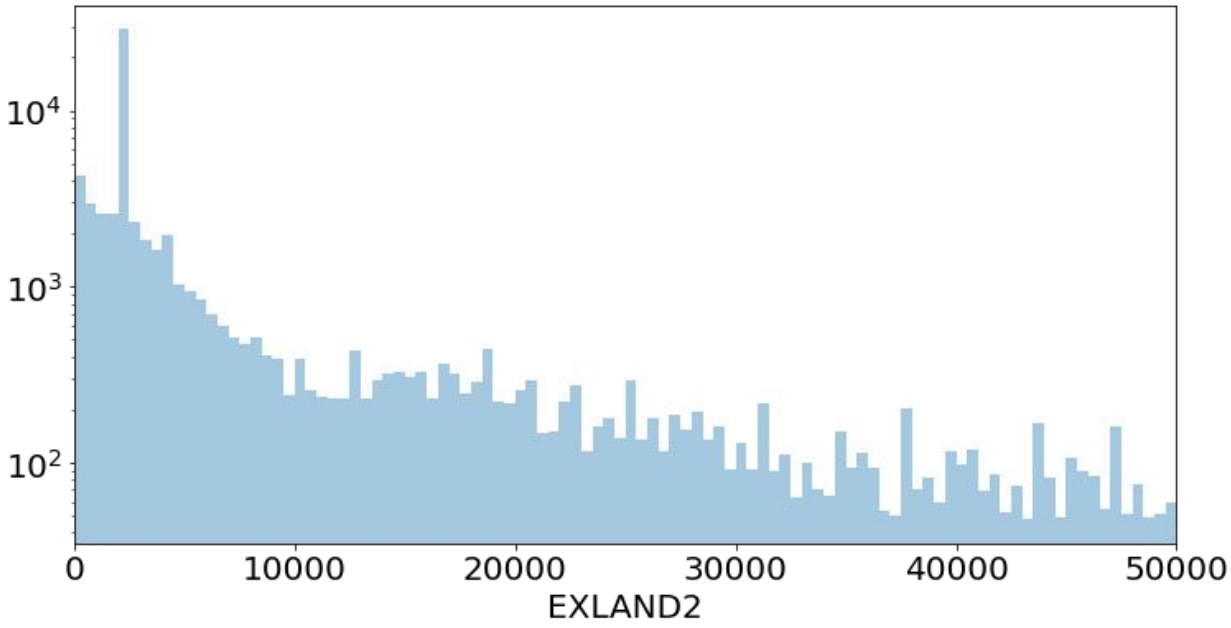


26. AVTOT2: Transitional Total Value.



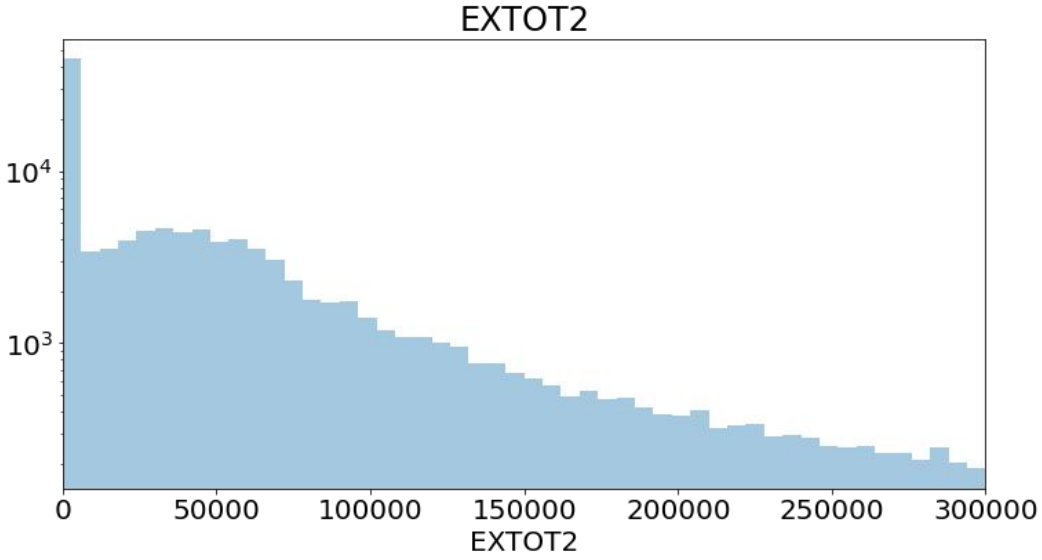
27. EXLAND2: Transitional Exemption Land Value

The below figure uses a logarithmic scale and displays Density up to an Exemption value of 50000.



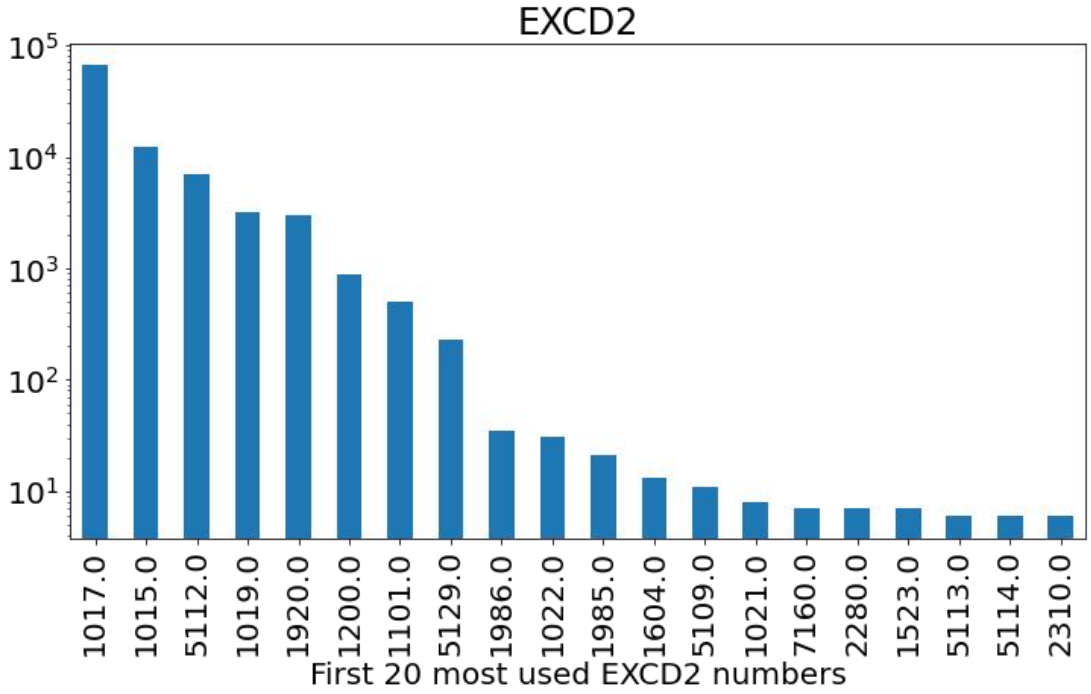
28. EXTOT2: Transitional Exemption Land Total.

The below figure uses a logarithmic scale and displays Density up to an Exemption value of 300000.

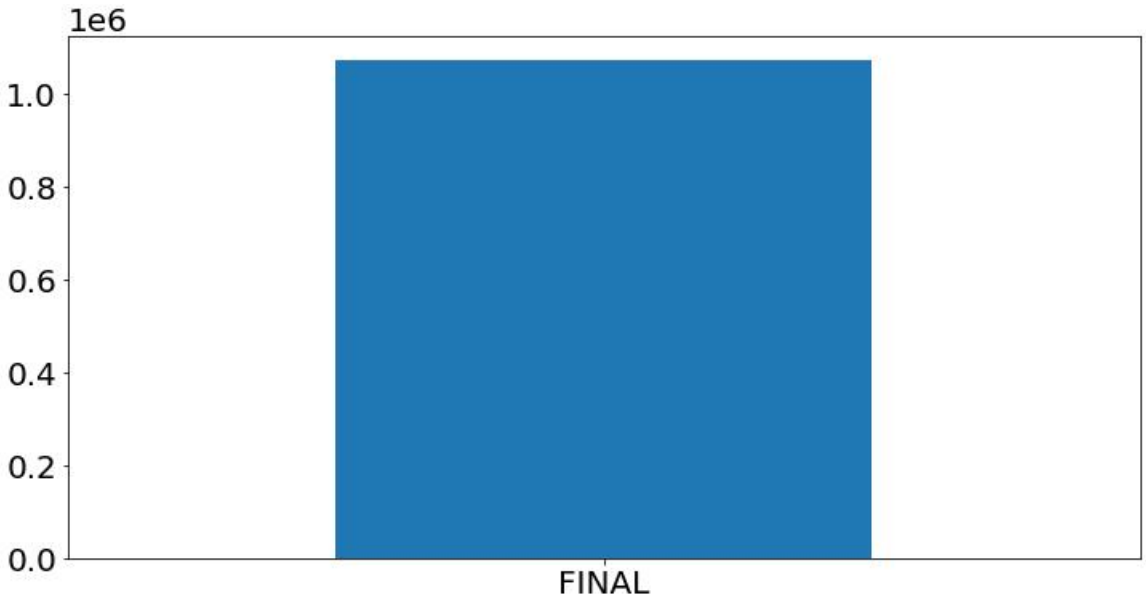


29. EXCD2: Exemption Code 2.

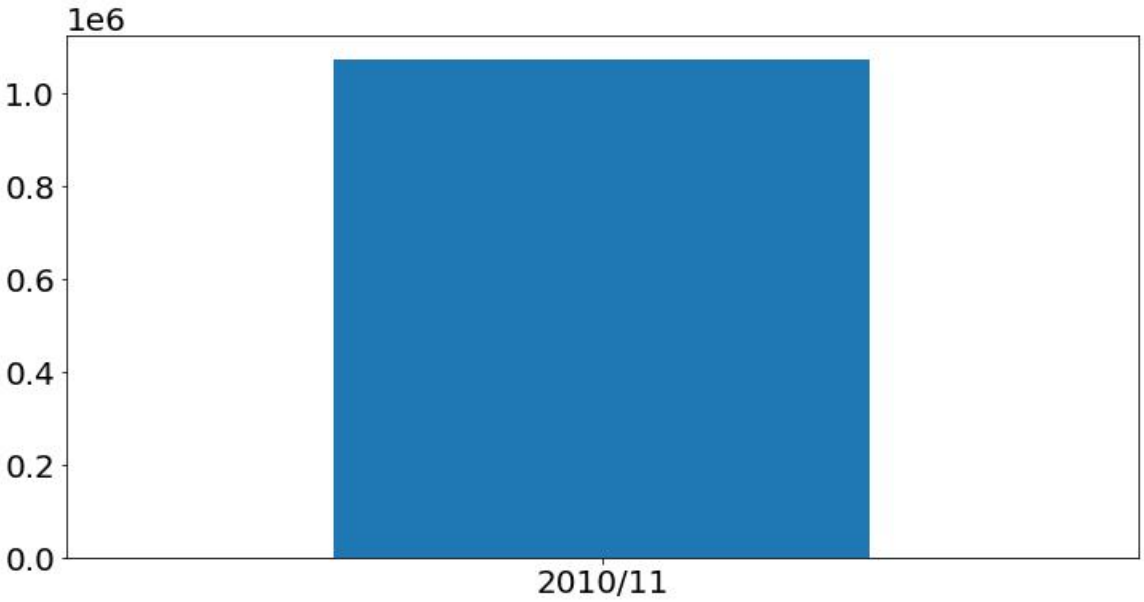
The below figure uses a logarithmic scale.



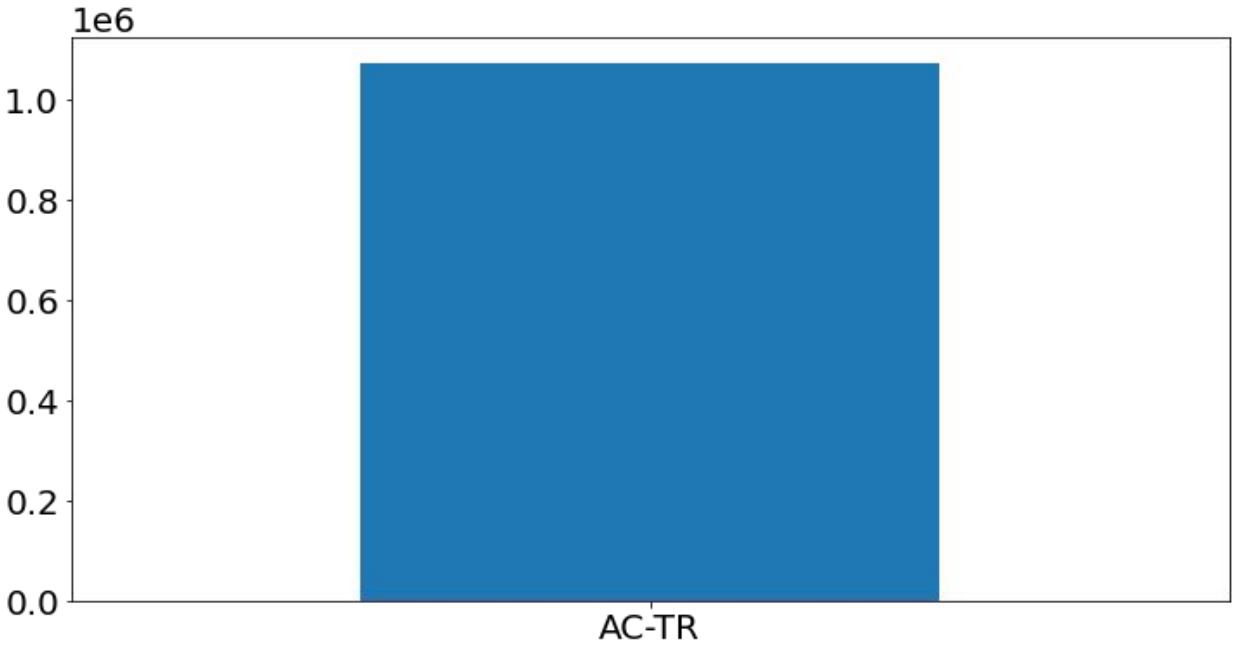
30. PERIODL: Assessment Period. Has only one value.



31. YEAR. Has only one value.



32. VALTYPE: Has only one Value.


1e6
1.0
0.8
0.6
0.4
0.2
0.0
AC-TR