

# Data Quality Report

## New York Property Tax

### 1. Description:

The dataset “New York Property Tax fraud” is used to analyze and understand which rows correspond to fraud and which do not. Data represents NYC property assessments for the purpose of calculating Property Tax and Grant eligible properties Exemptions and/or Abatements. It has 1070994 rows and 32 fields and covers the time period of 2010/11.

### 2. Field Summary:

#### a) Numeric Fields:

Field Name	% Populated	Min	Max	Mean	StdDev	% Zero
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

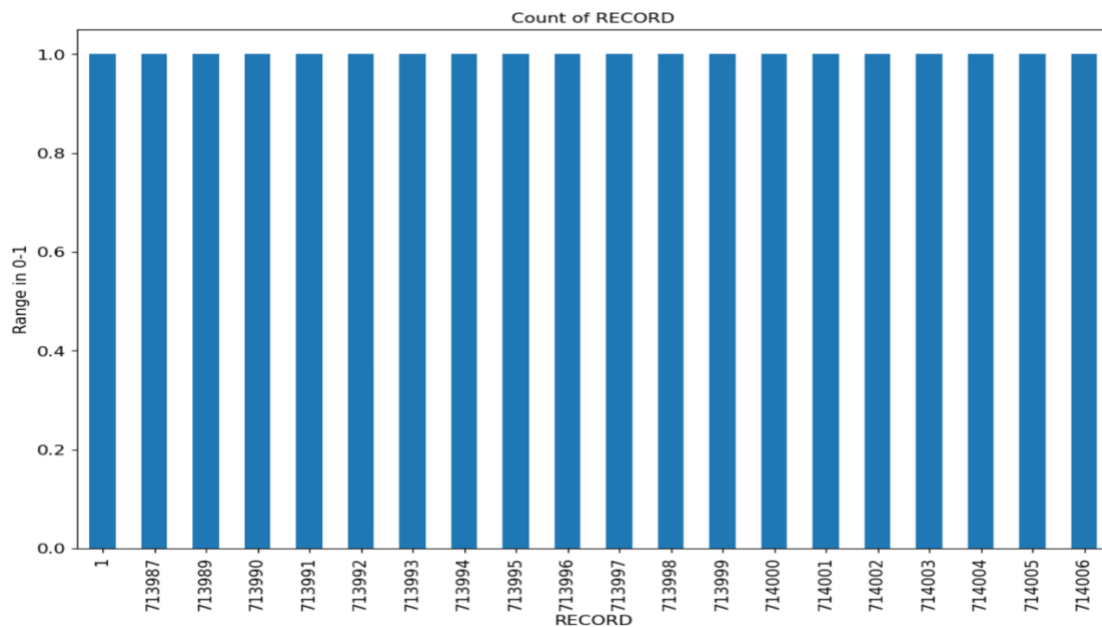
#### b) Categorical Fields:

Field Name	% Populated	Unique Values	Most Common Value
RECORD	100	1070994	N/A
BBLE	100	1070994	N/A
BORO	100	5	4
BLOCK	100	13984	3944
LOT	100	6366	1

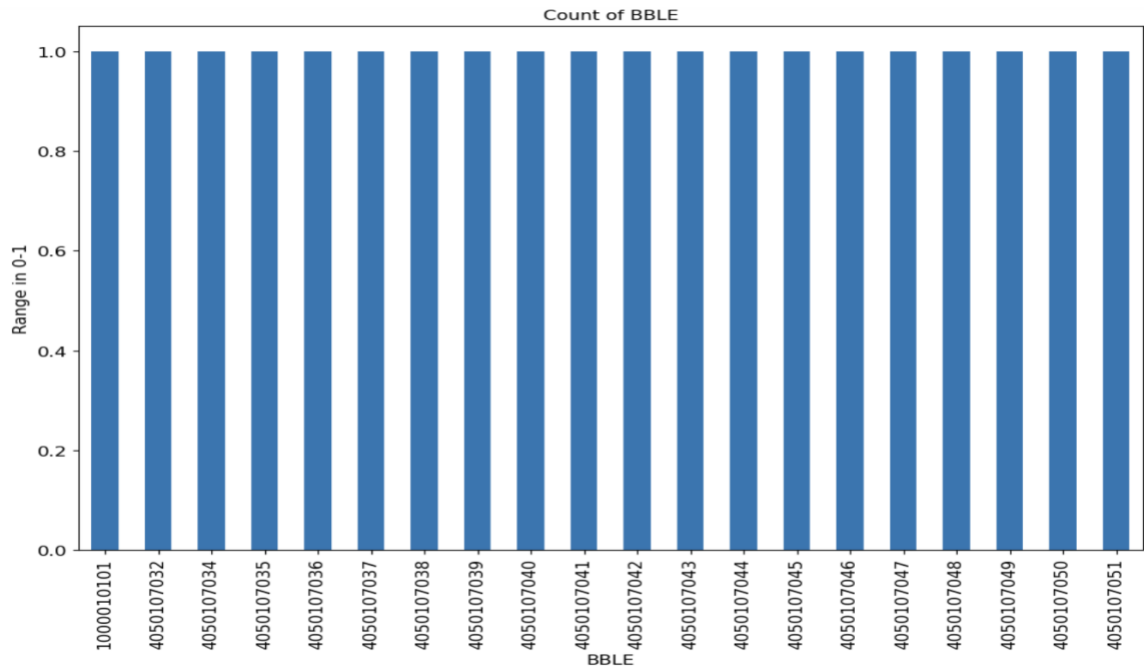
EASEMENT	0.4	13	E
OWNER	97	863348	PARKCHESTER PRESERVAT
BLDGCL	100	200	R4
TAXCLASS	100	11	1
EXT	33	4	G
EXCD1	59.6	130	1017
STADDR	99.9	839281	501 SURF AVENUE
ZIP	97.2	197	10314
EXMPTCL	1.4	15	X1
EXCD2	8.6	61	1017
PERIOD	100	1	FINAL
VALTYPE	100	1	AC-TR
YEAR	100	1	2010/11

### c) Individual field summary:

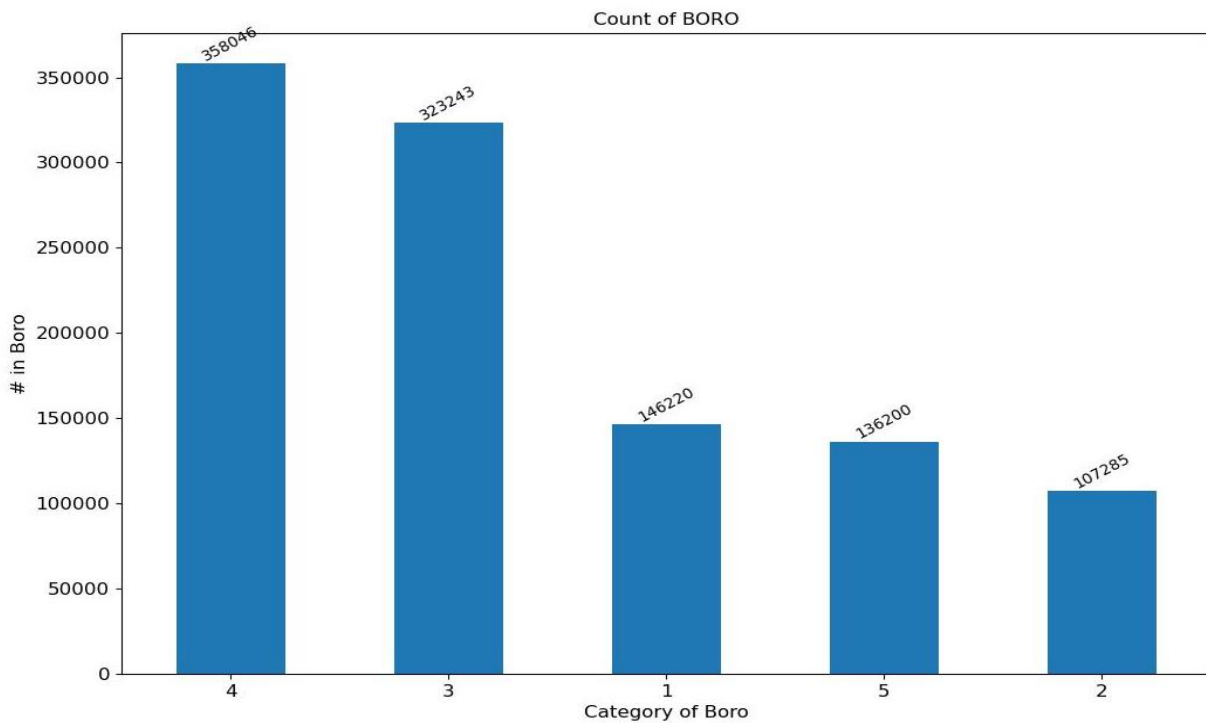
1. RECORD: This is the identification number of the record. Every identification number is unique.



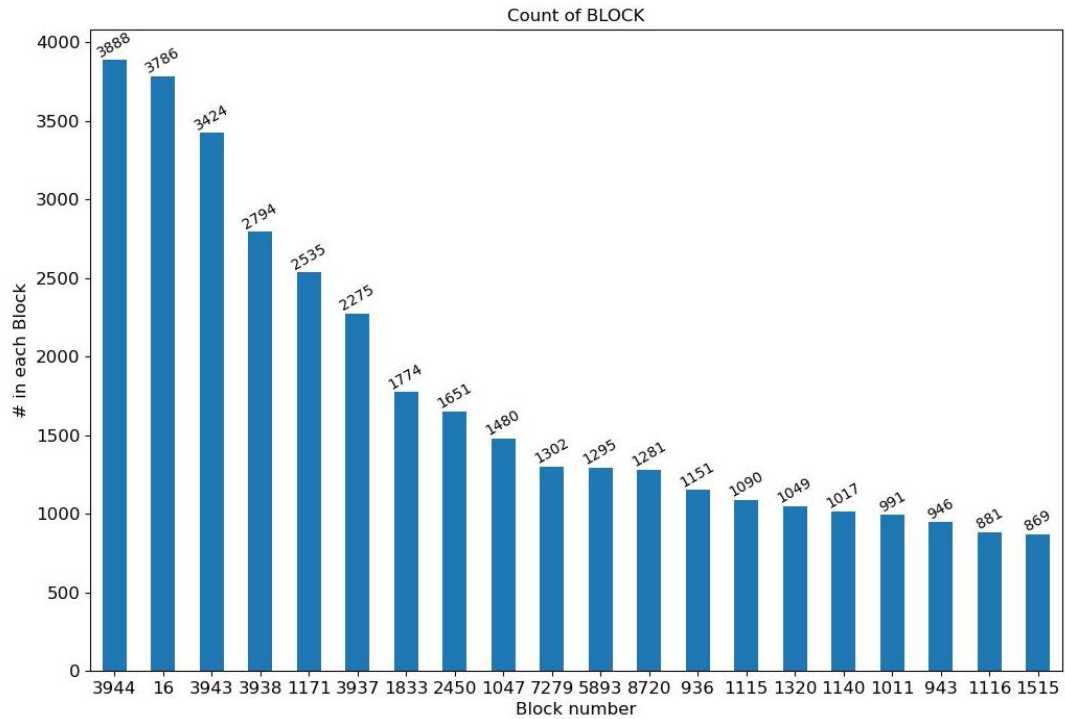
2. BBLE: It is an identification number that signifies Boro, Block, Lot and Easement code.



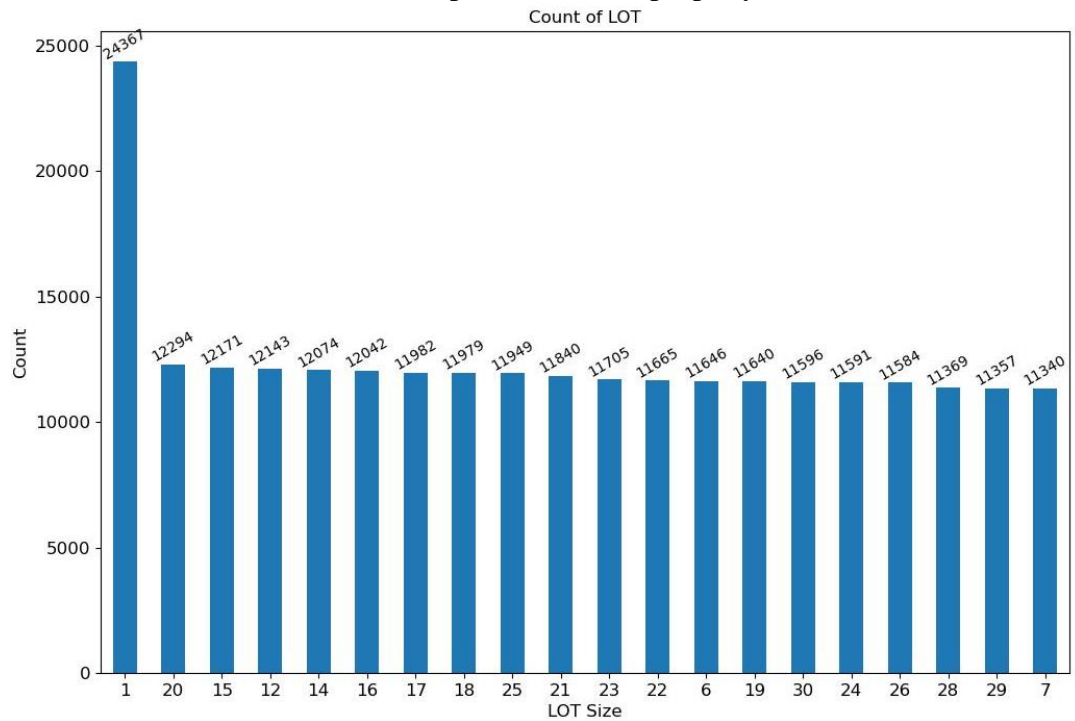
3. BORO: Stands for Borough. It has 5 values. 1 = Manhattan, 2 = Bronx, 3 = Brooklyn, 4 = Queens, 5 = Staten Island.



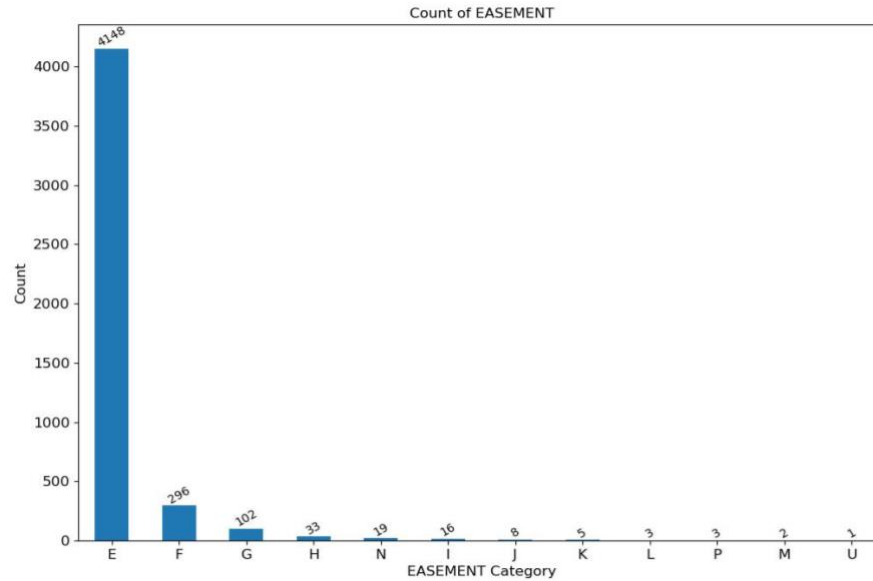
4. BLOCK: These are block numbers taken from the block ranges based on BORO.  
Manhattan: 1 to 2255, Bronx: 2260 to 5958, Brooklyn: 1 to 8955, Queens: 1 to 16350, Staten Island: 1 to 8050.



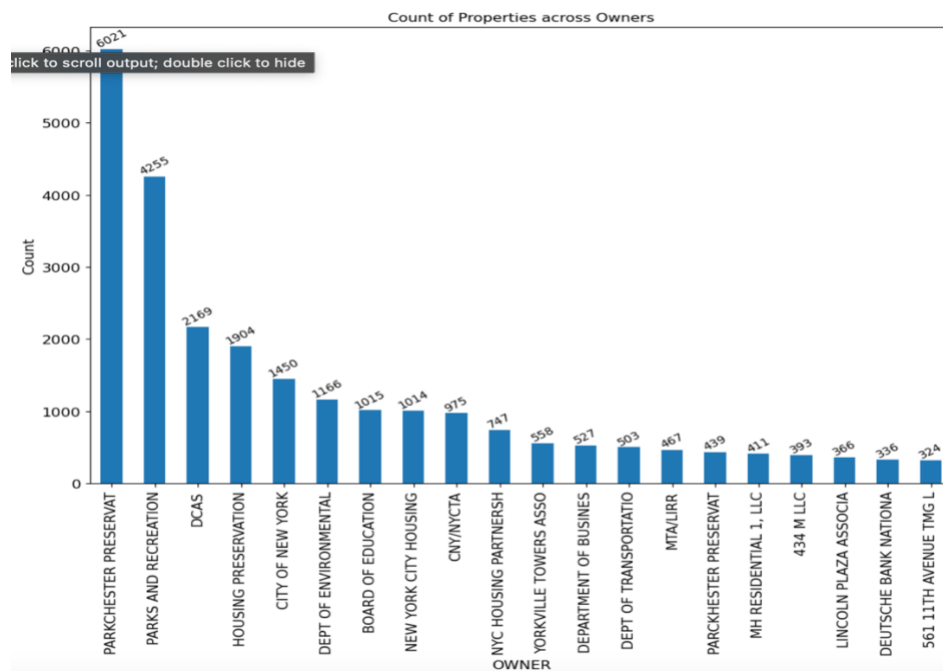
5. LOT: Indicates the LOT size with respect to each property.



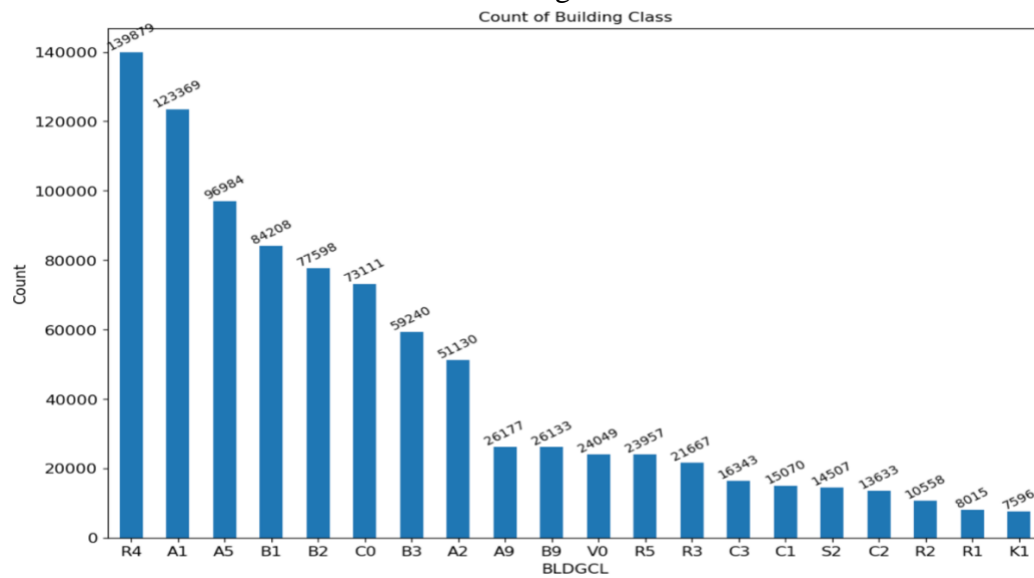
6. EASEMENT: Describes which type of Easement does the property have. Space = No Easement  
 A = Air Easement  
 B = Non-Air Rights  
 F Thru M are duplicates of E  
 P = Pier  
 S = Street  
 E = Land Easement  
 N = Non-Transit Easement  
 R = Railroad  
 U = U.S. Government



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

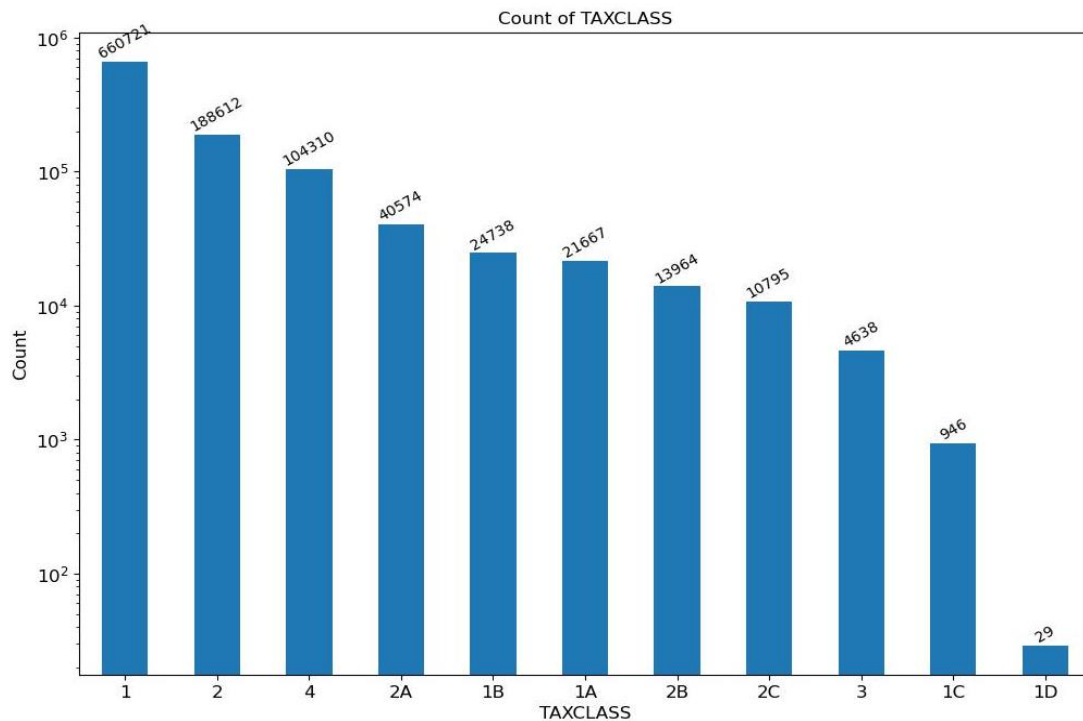


8. BLDGCL: it denotes the class of the Building.



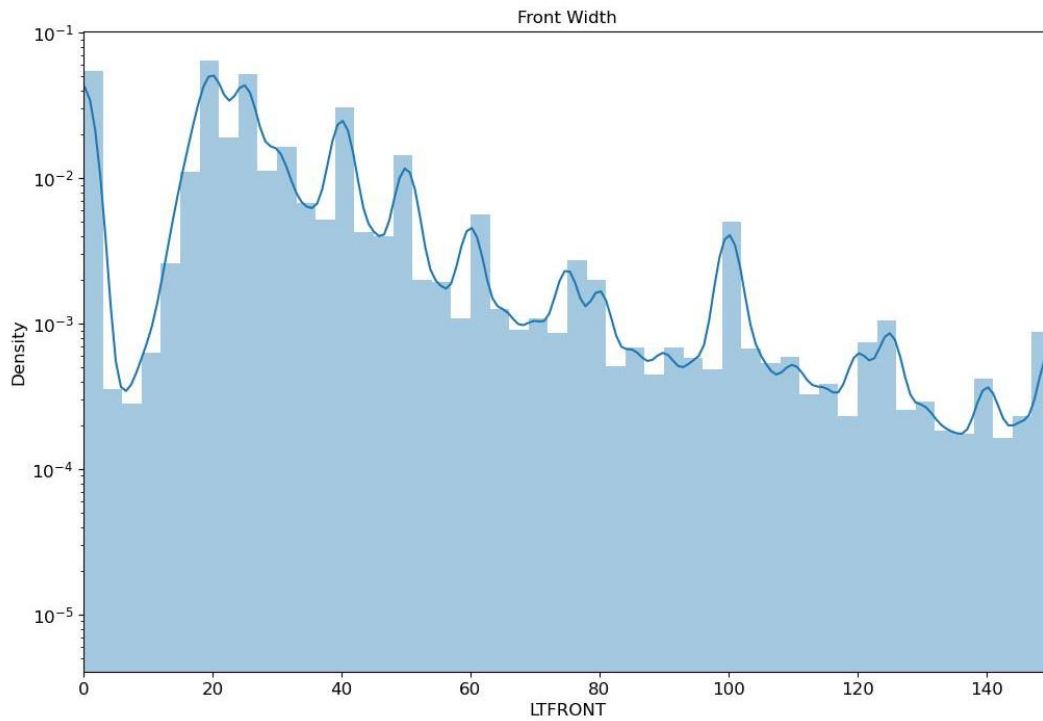
9. TAX CLASS:

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



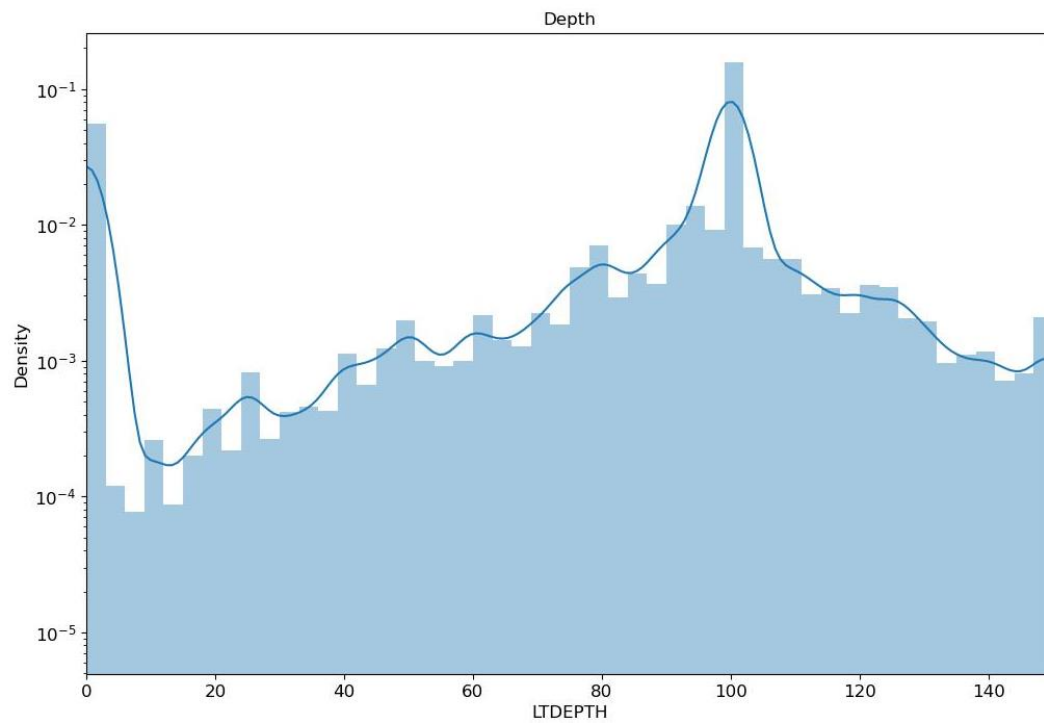
10. LTFRONT: It is the Lot Width.

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

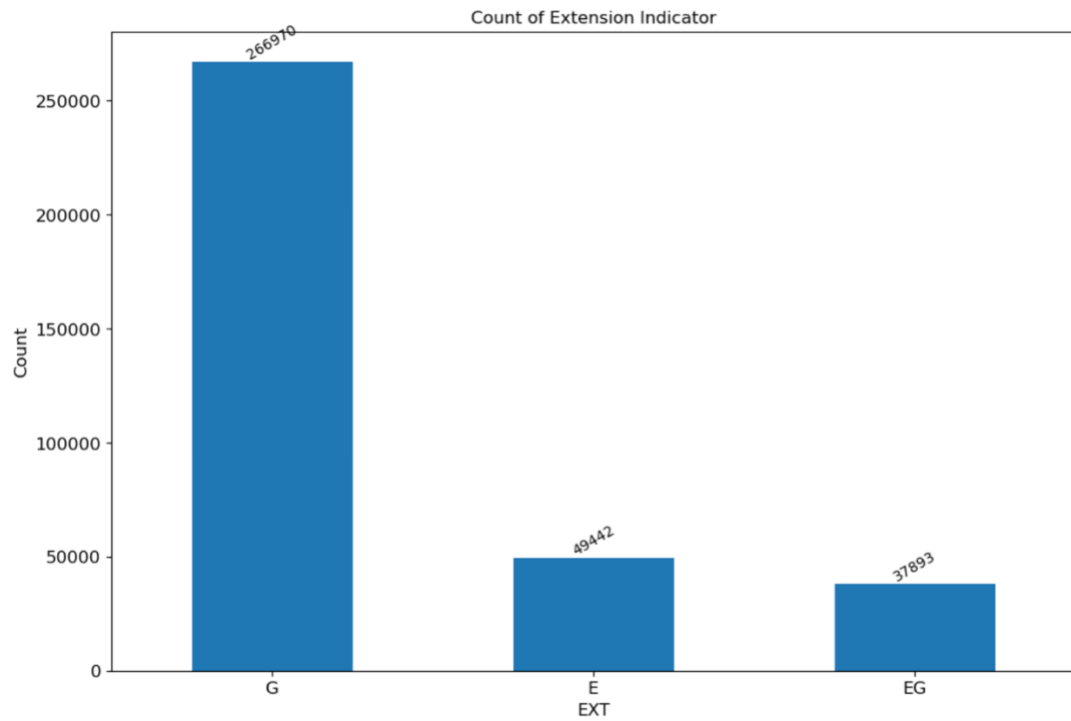


11. LTDEPTH: It is the Lot Depth.

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

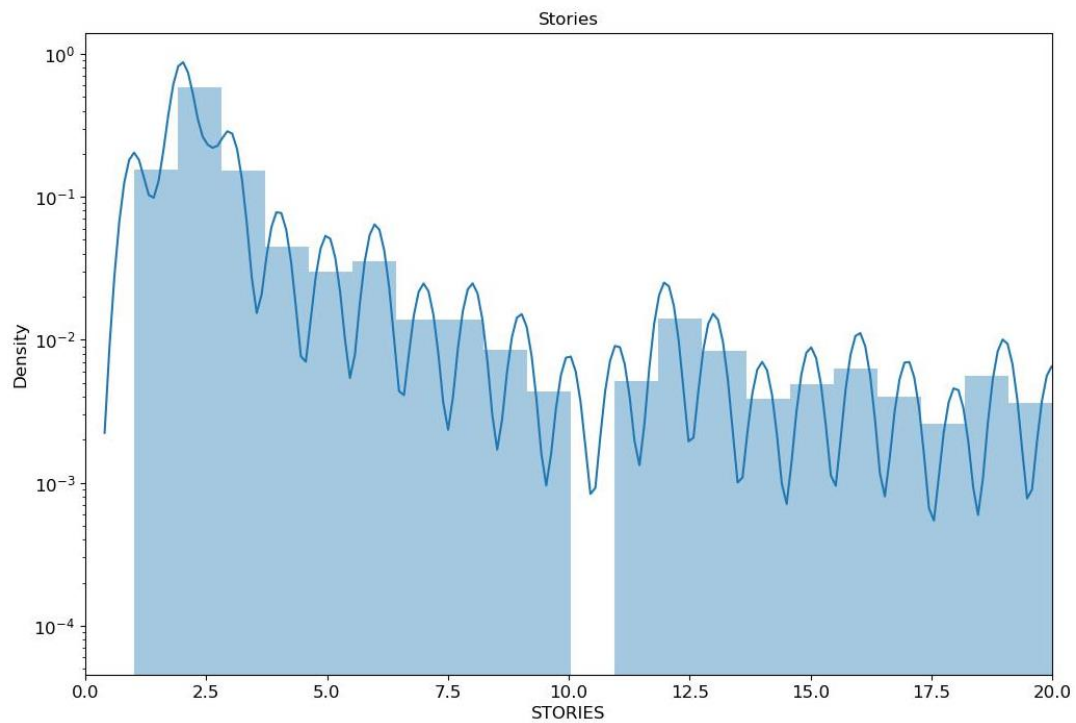


## 12. EXT: Extension Indicator



## 13. STORIES: Number of Stories in Building.

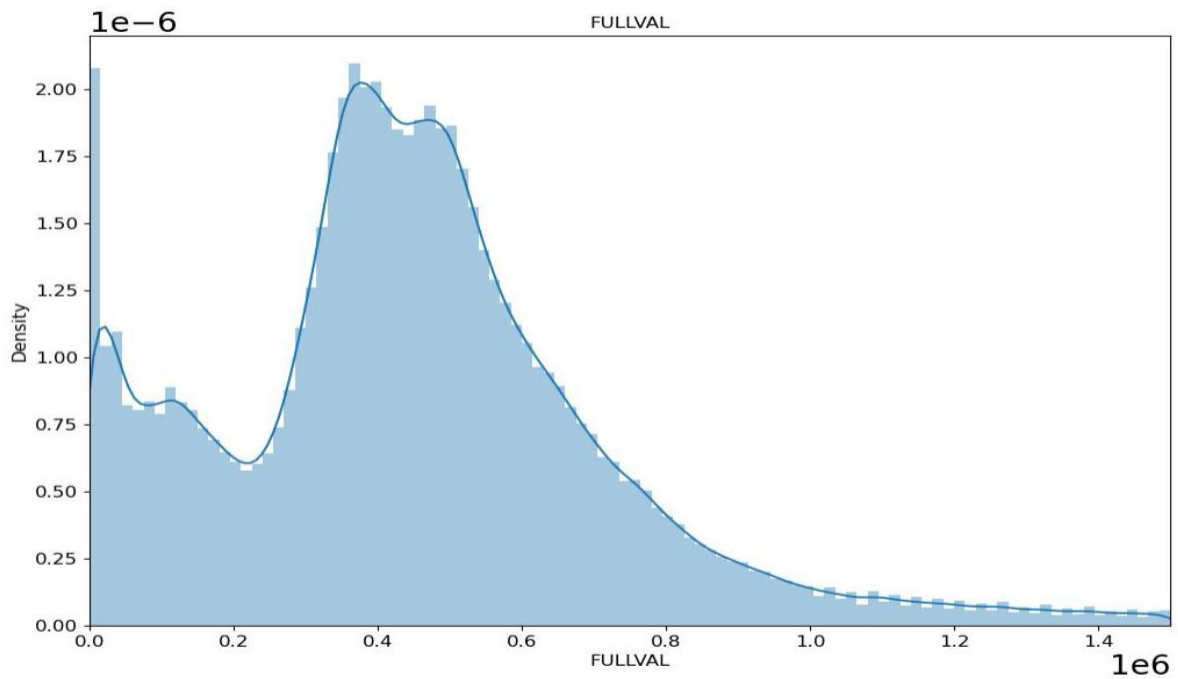
The below figure uses a logarithmic scale and the Stories are limited to 50.



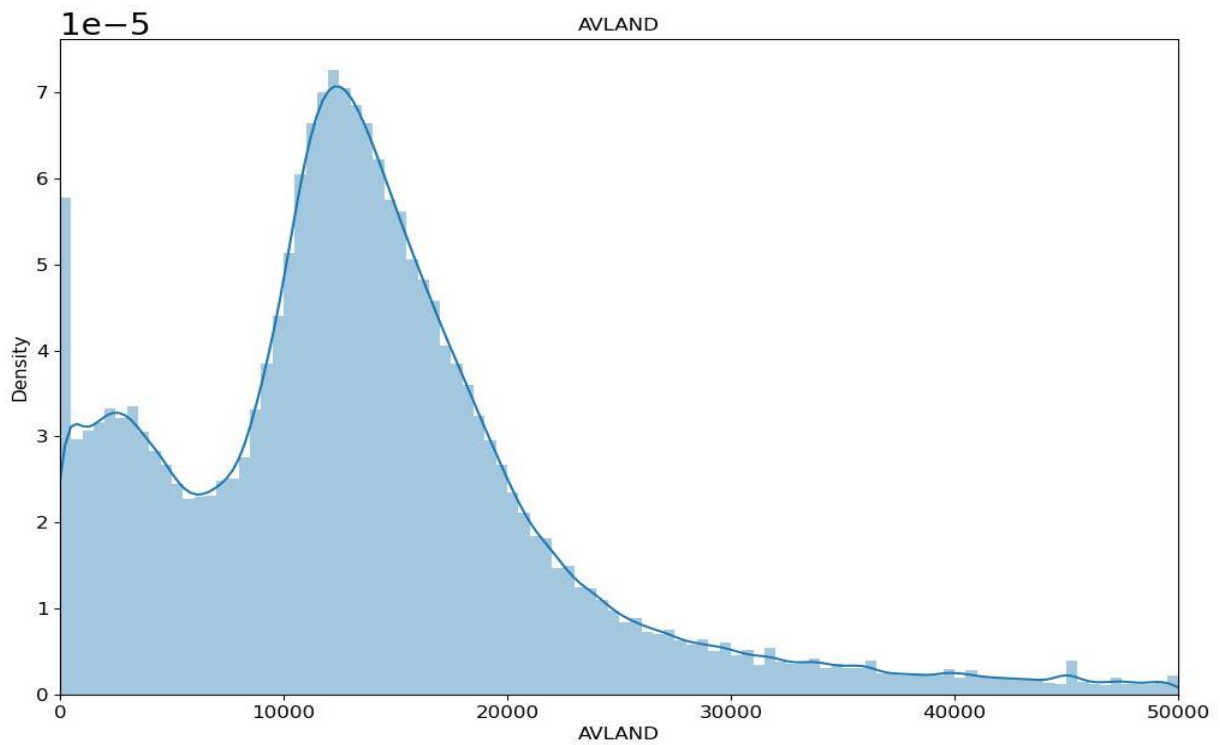


#### 14. FULLVAL: Market Value. 1500000

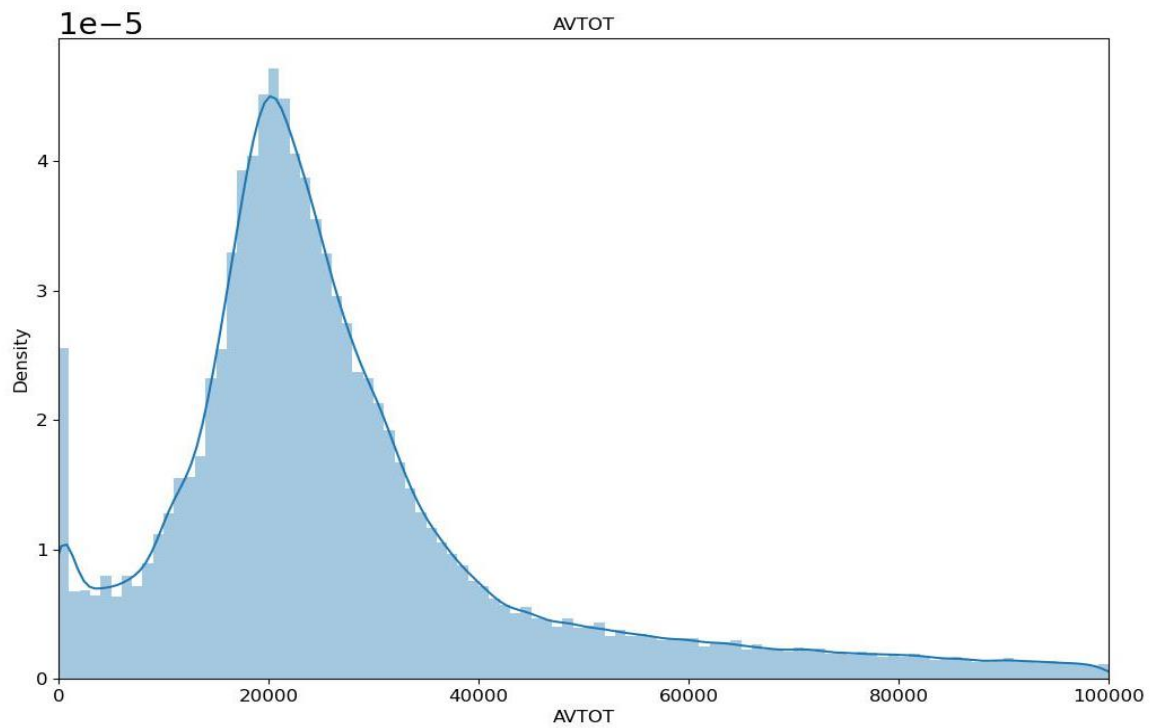
The below figure uses a logarithmic scale and displays up to a market value of 1500000



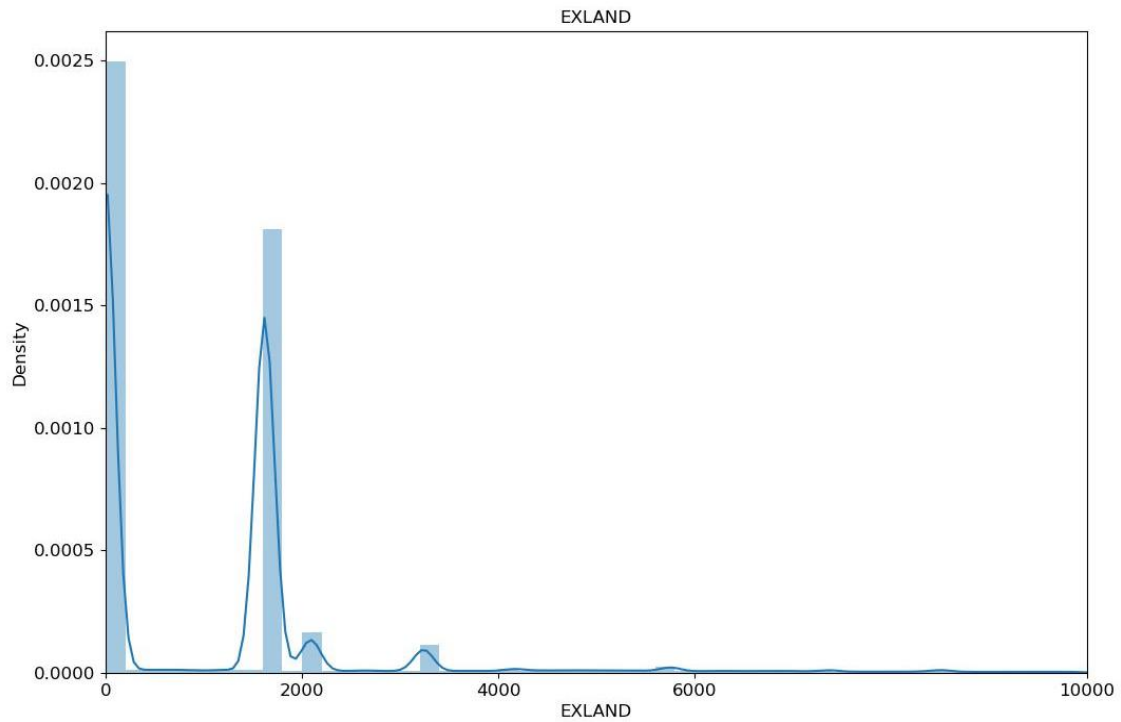
#### 15. AVLAND: Actual Land Value.



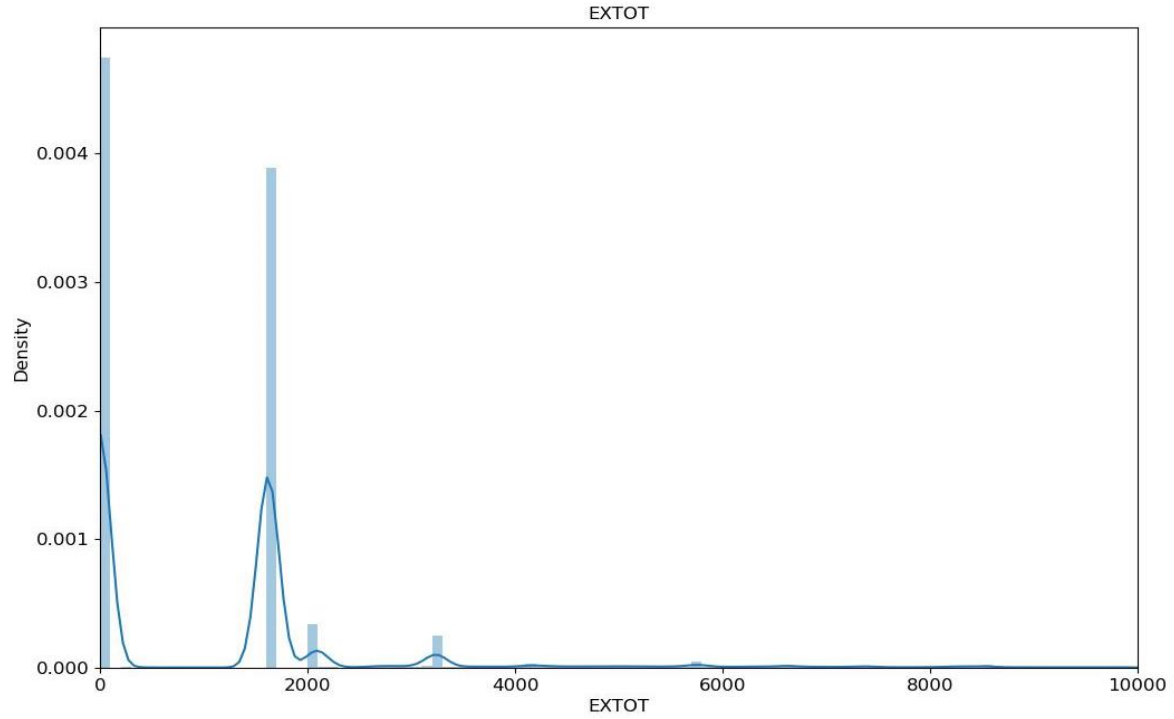
16. AVTOT: Actual Total Value



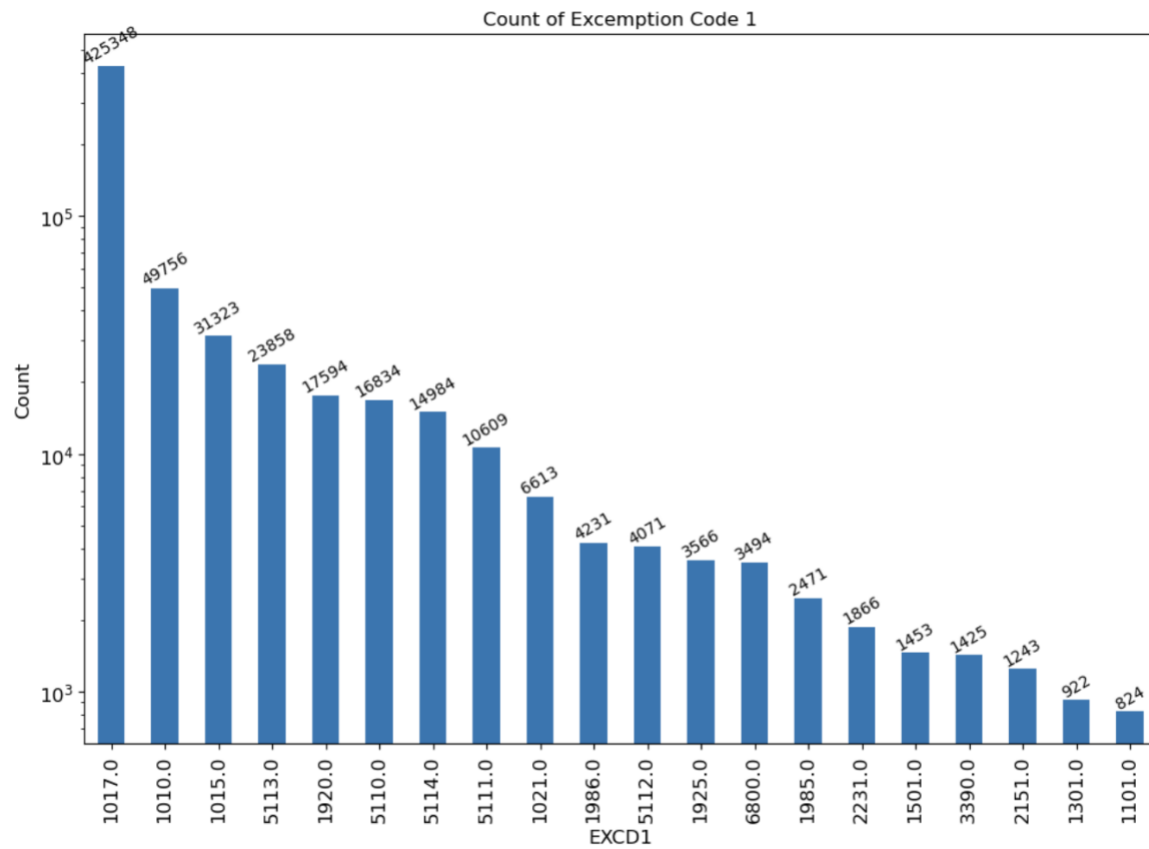
17. EXLAND: Actual Exempt Land Value. The below figure uses a logarithmic scale.



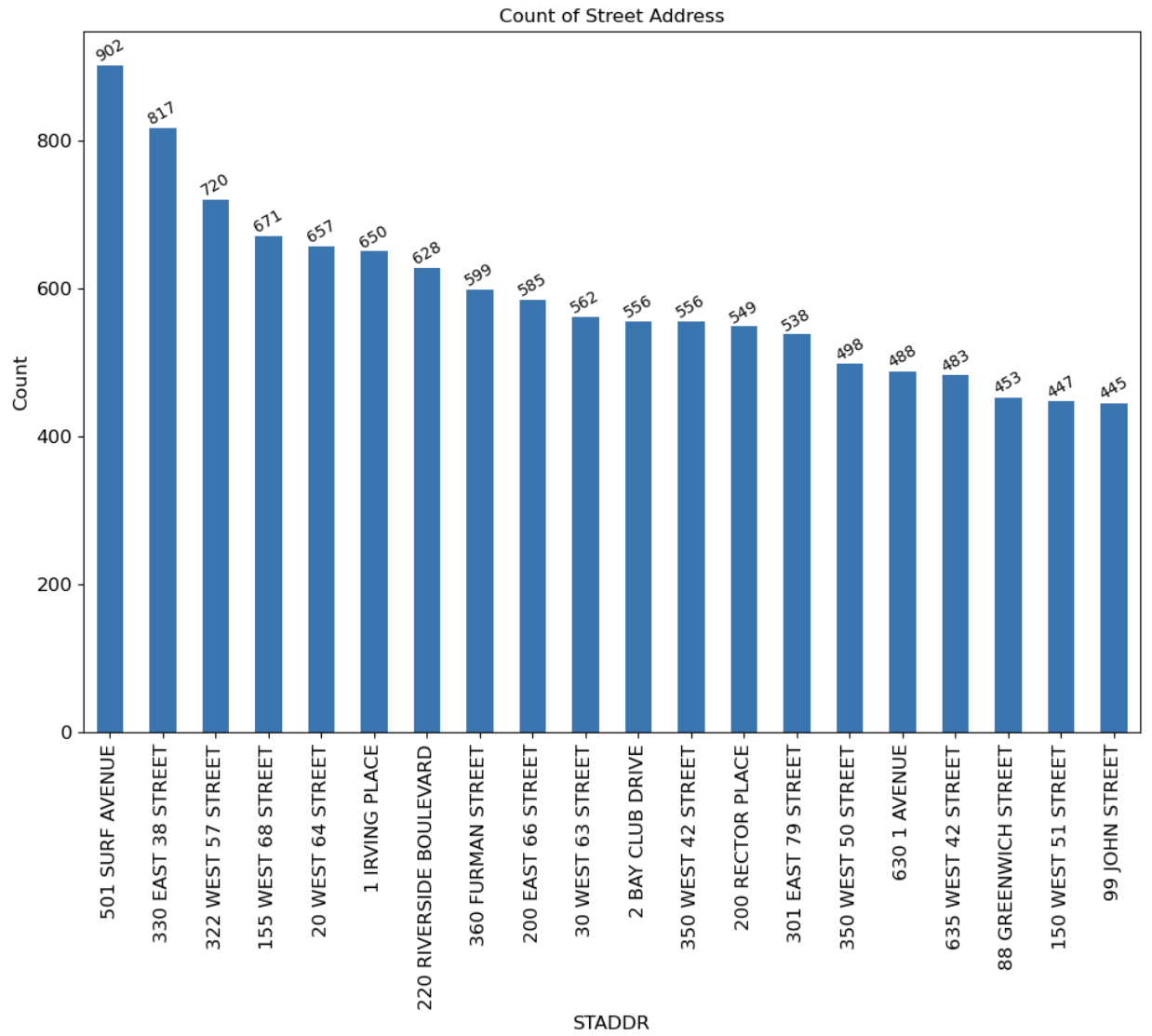
## 18. EXTOT: Actual Exempt Land Total



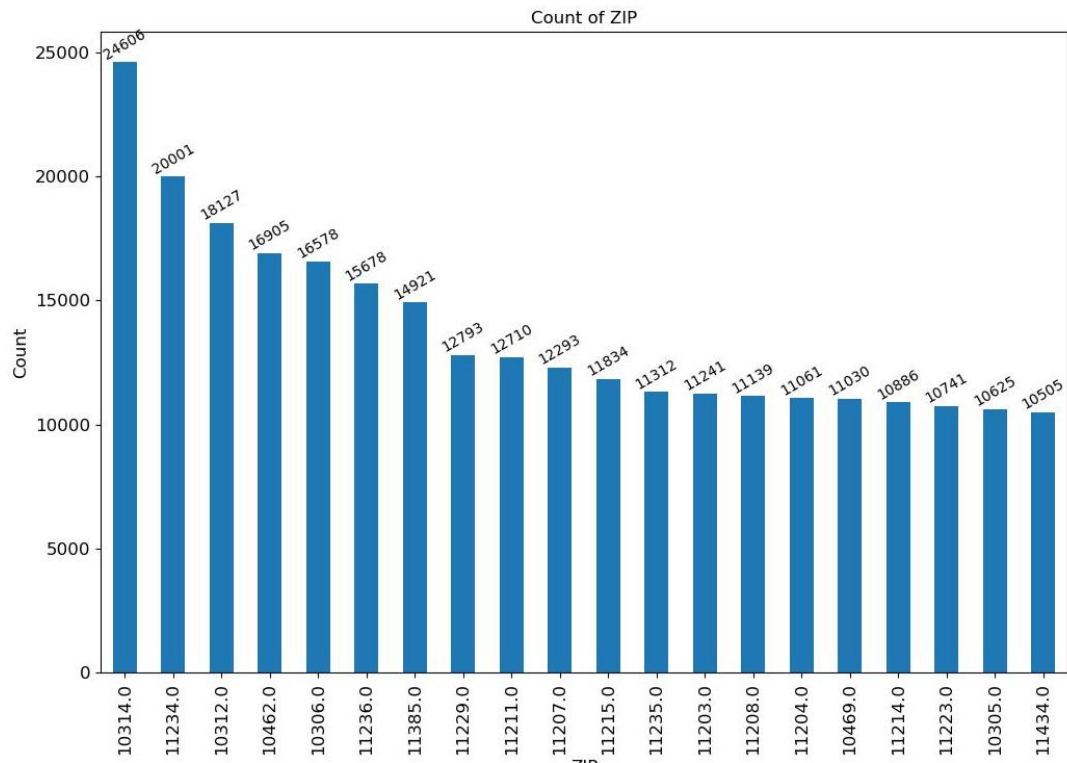
## 19. EXCD1: Exemption Code 1



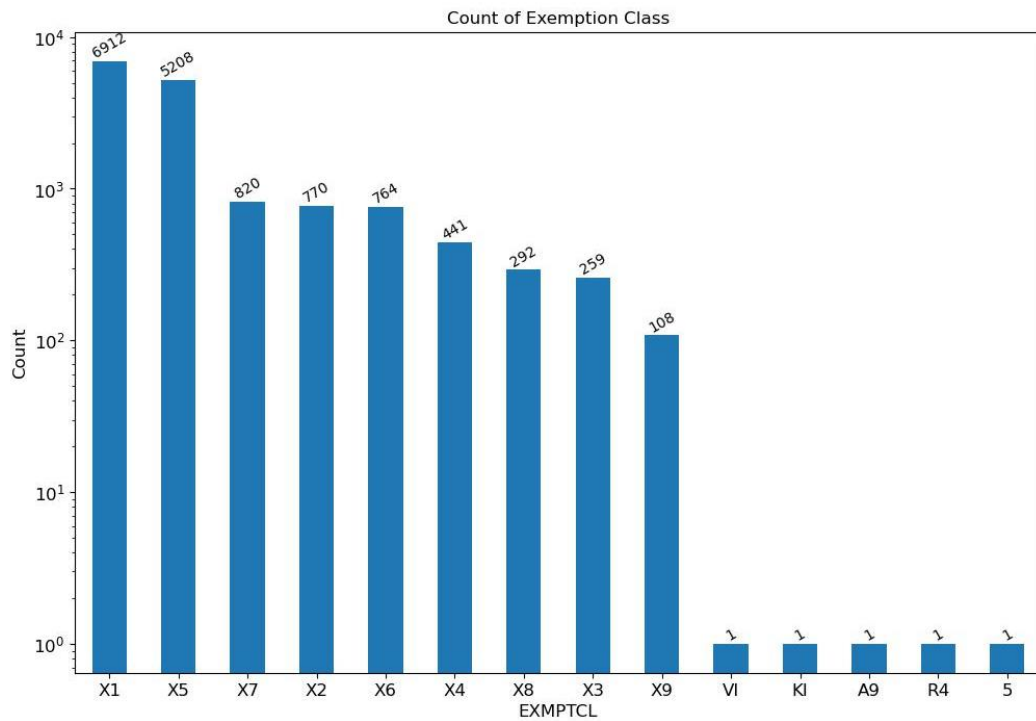
## 20. STADDR: Street Address.



## 21. ZIP: ZIP code.

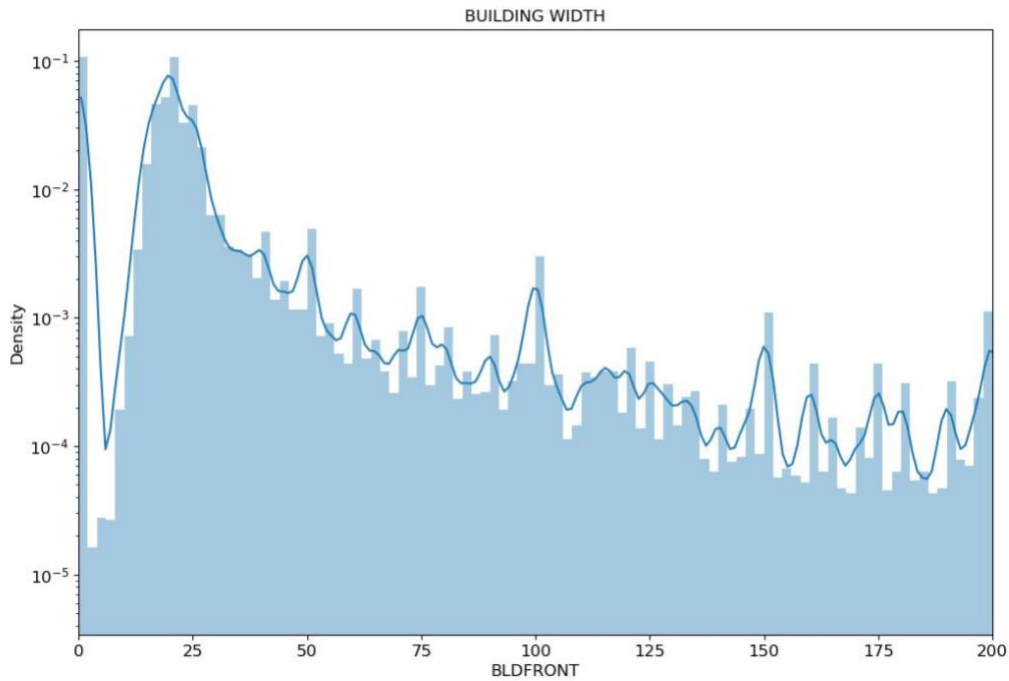


## 22. EXMPTCL: Exemption Class.



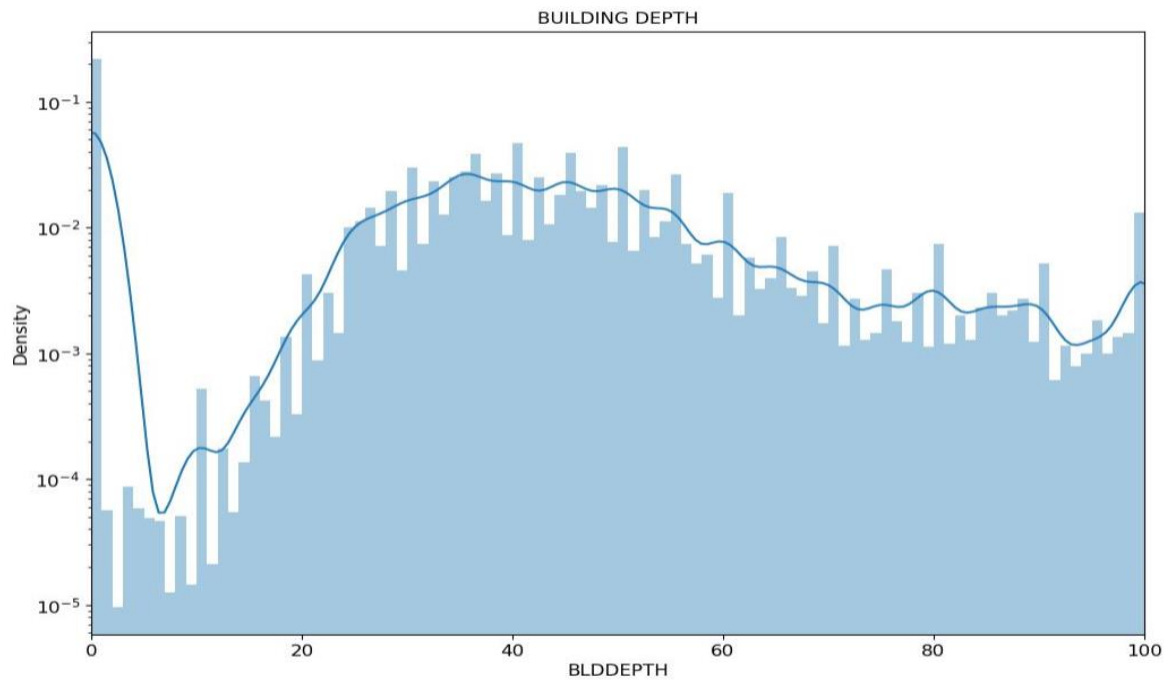
### 23. BLDFRONT: Building Width.

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



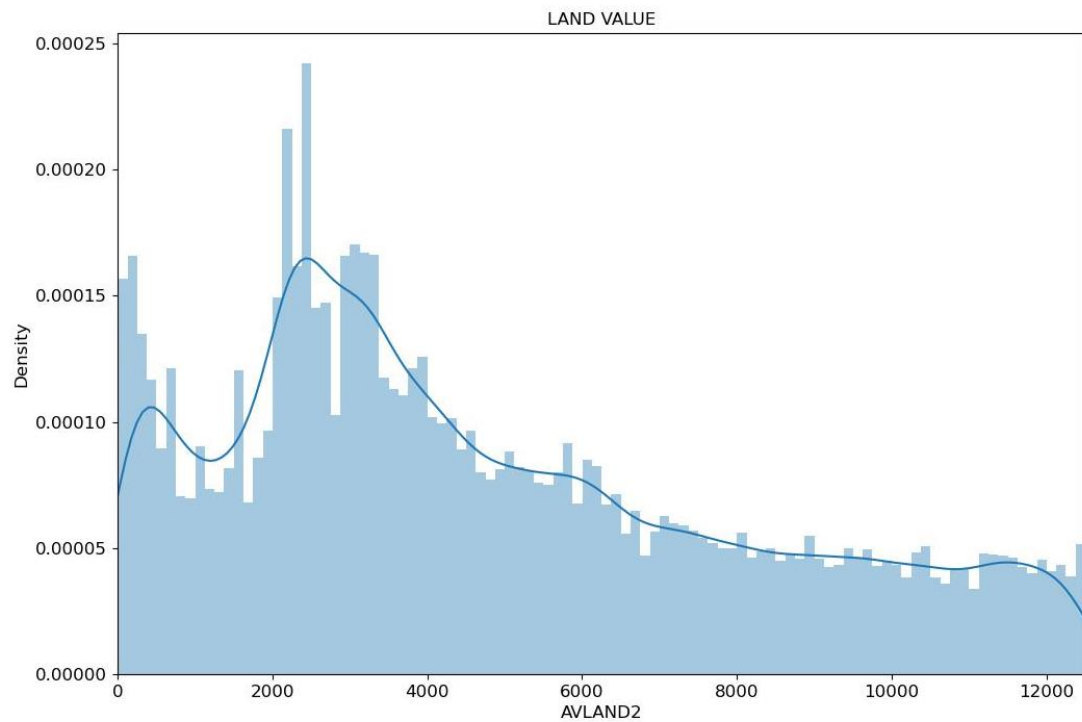
### 24. BLDDEPTH: Building Depth.

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



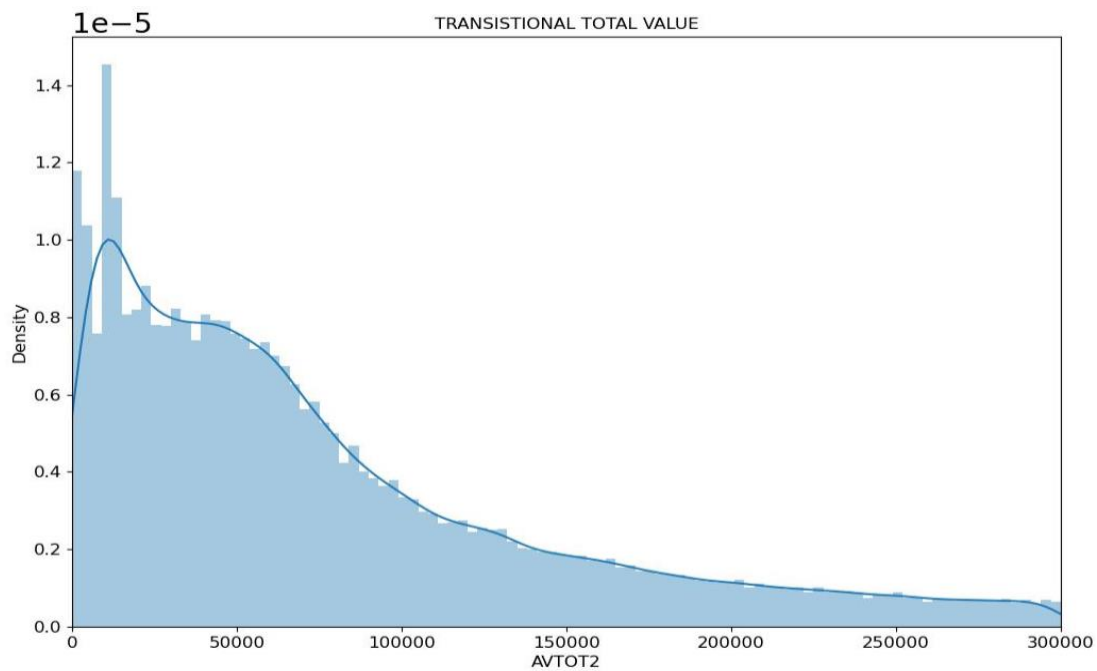
25. AVLAND2: Transitional Land Value.

The below figure displays number of entities up to a 12500 transitional land value.



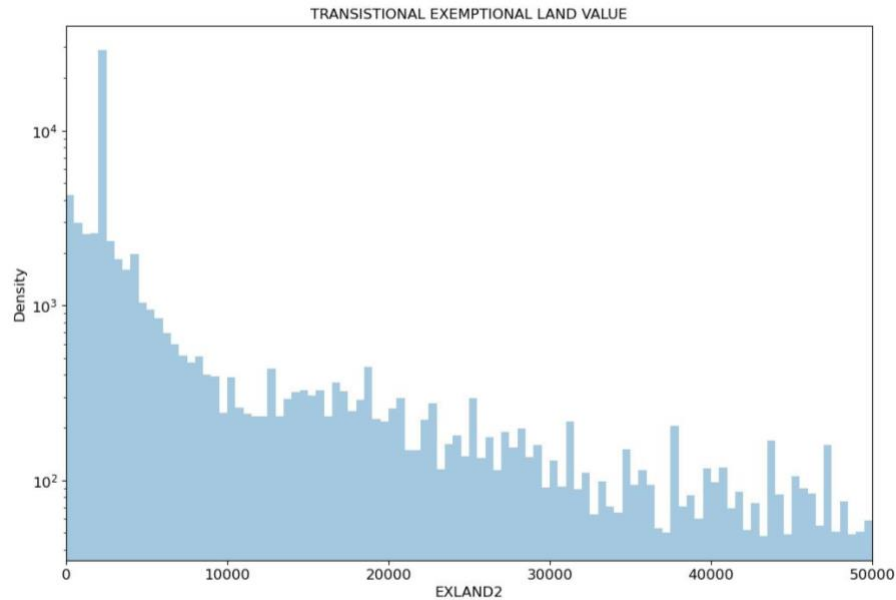
26. AVTOT2: Transitional Total Value.

The below plot shows till a total transitional value of 300000.



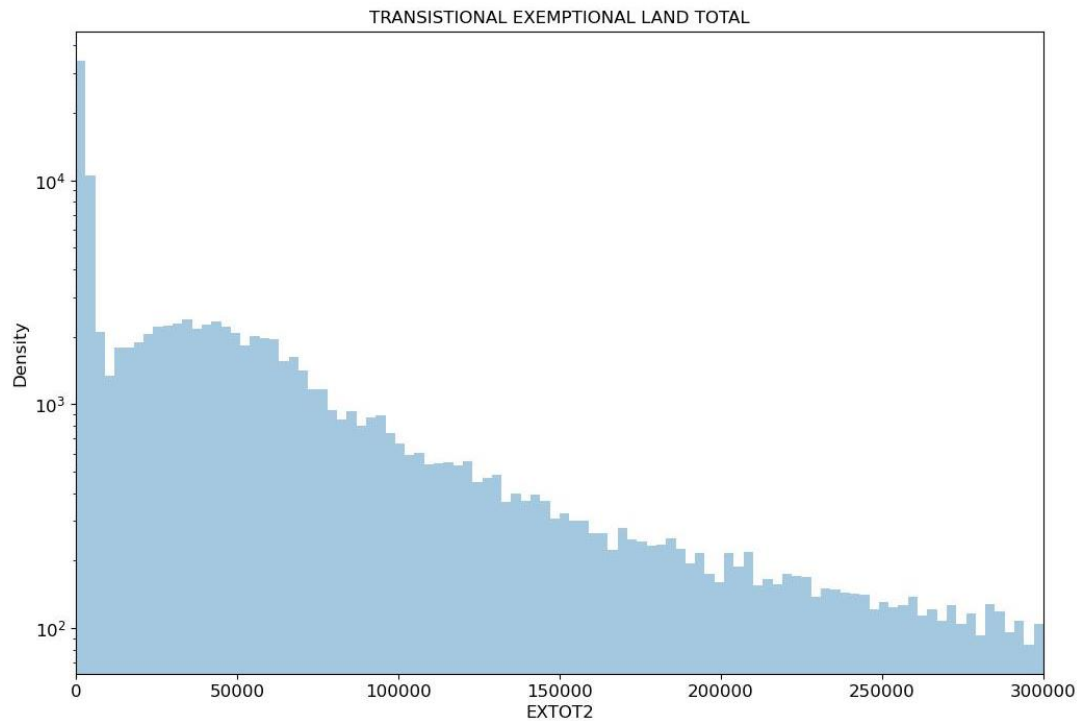
## 27. EXLAND2: Transitional Exemption Land Value

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



## 28. EXTOT2: Transitional Exemption Land Total.

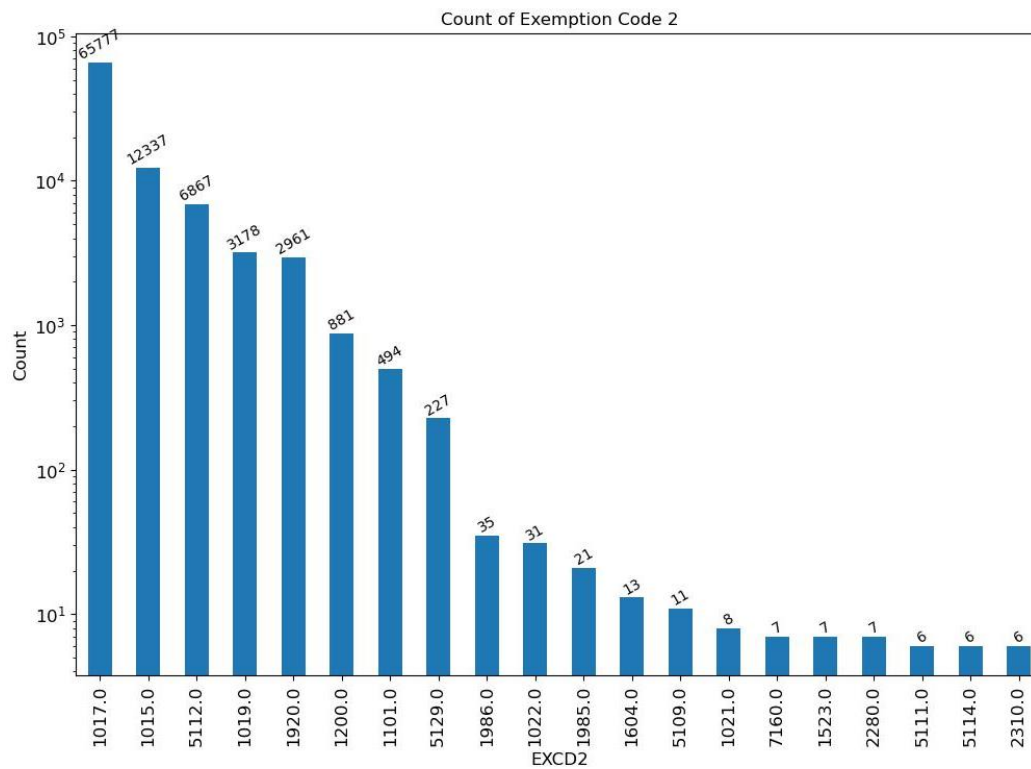
The below figure uses a logarithmic scale and displays Density up to an Exemption value of 300000.



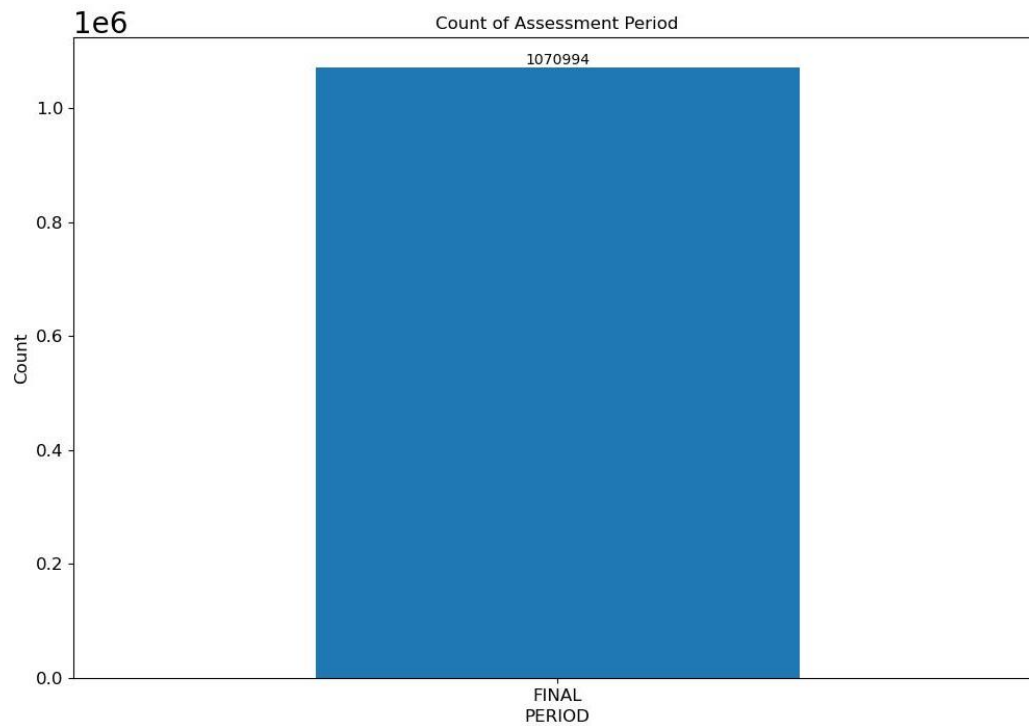


29. EXCD2: Exemption Code 2.

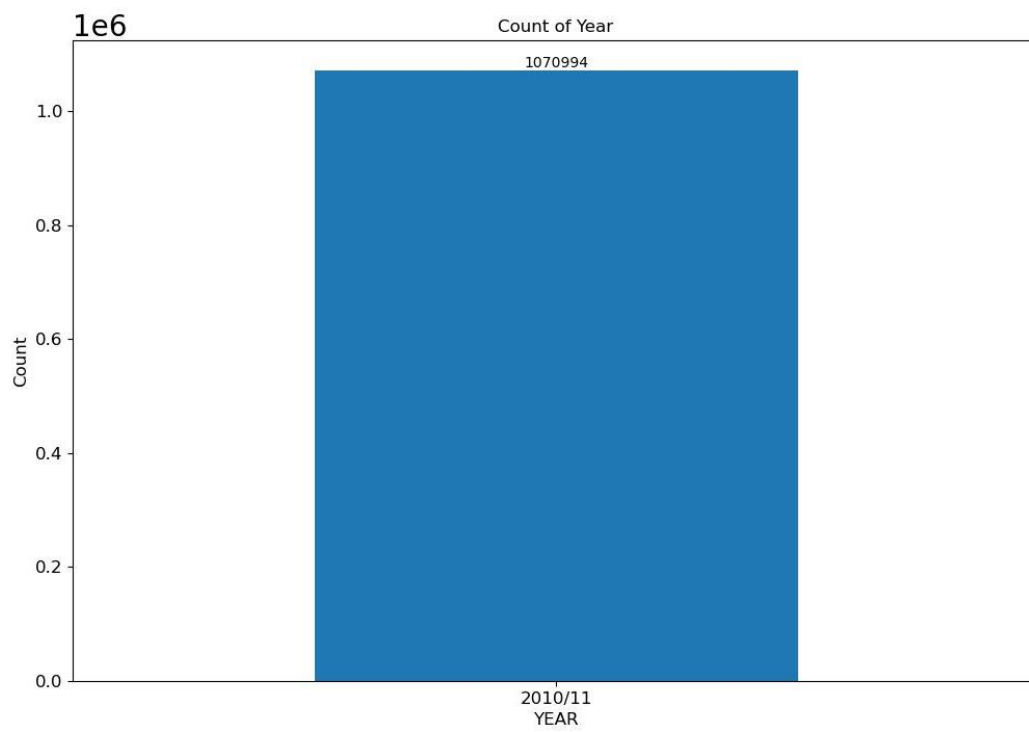
The below figure uses a logarithmic scale.



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



31. YEAR. Has only one value.



32. VALTYPE: Has only one Value.

