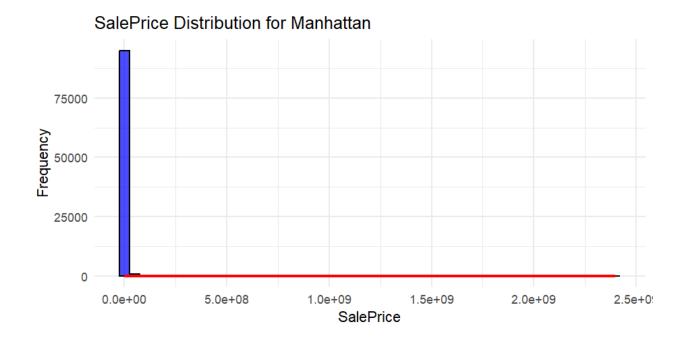


Note -

It took super super long to retrieve most plots because it was loading for foreverrrr so for most of them i screenshotted the scripts I received

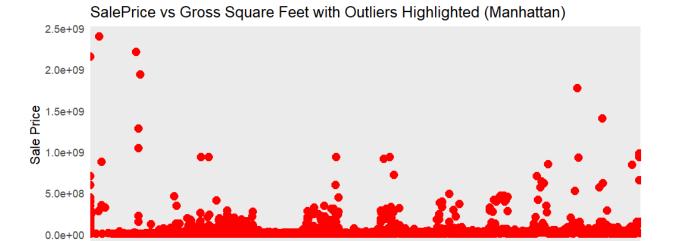




a pomes

cat("Number of outliers in SalePrice:", nrow(outliers), "\n")
Number of outliers in SalePrice: 9617

Number	of outliers				
> prin	t(outliers[,	c("SALE.PRICE")]) #		Corrected column name	
[1]	43300000	148254147	11000000	591800000	99350000
[6]	115000000	148254147	14500000	4750000	6900000
[11]	21350000	23200000	74159182	175000000	4800000
[16]	175000000	4980000	4820000	5500000	9000000
[21]	5500000	20150000	4800000	5224735	4800000
[26]	10100295	10100295	10100295	10100295	10100295
[31]	7250000	5880000	18750000	6950000	4625000
[36]	7300000	7100000	8000000	6750000	16200000
[41]	18000000	9300000	5945000	6150000	4750000
[46]	5050000	11100000	11345000	7450000	13750000
[51]	5300000	4850000	8750000	5170000	5575000
[56]	7079588	7900000	5298158	4851831	10003200
[61]	5250000	5450000	7450000	4635000	6330000
[66]	4775000	10950000	25000000	19600000	4700000
[71]	205500000	5298158	4851831	10003200	6600000
[76]	8400000	6670000	5900000	7250000	82664485
[81]	5500000	7400000	15750000	14000000	7650000
[86]	7350000	8470000	7750000	4600000	19650000
[91]	19650000	10700000	12370800	12370800	14900000
[96]	21250000	5793511	5956763	6000000	6600000
[101]	8000000	14000000	7200000	18000000	4760000
[106]	31725000	4600000	6405206	5900000	5203258
[111]	4850000	5508733	8500000	5995000	35500000
[116]	81500000	6255000	23500000	60500000	30000000
[121]	35000000	6850000	850000000	56500000	6200000



Gross Square Feet

Call:

Residuals:

Min 1Q Median 3Q Max -17689703 -1582497 -631624 317558 2140113753

Coefficients:

	Estimate	Std. Error
(Intercept)	4.598e+05	1.305e+06
LAND.SQUARE.FEET	9.312e+00	1.126e+01
GROSS.SQUARE.FEET	7.263e+02	1.030e+02
YEAR.BUILT	4.479e+02	1.852e+02
NEIGHBORHOODCHELSEA	1.031e+06	1.360e+06
NEIGHBORHOODCHINATOWN	-5.936e+04	1.681e+06
NEIGHBORHOODCIVIC CENTER	1.494e+06	1.504e+06
NEIGHBORHOODCLINTON	-1.496e+05	1.466e+06
NEIGHBORHOODEAST VILLAGE	-9.995e+04	1.564e+06
NEIGHBORHOODFASHION	2.598e+06	1.607e+06
NEIGHBORHOODFINANCIAL	-3.467e+05	1.440e+06
NEIGHBORHOODFLATIRON	3.355e+06	1.456e+06
NEIGHBORHOODGRAMERCY	-3.034e+05	1.378e+06
NEIGHBORHOODGREENWICH VILLAGE-CENTRAL	8.245e+05	1.393e+06
NEIGHBORHOODGREENWICH VILLAGE-WEST	1.365e+06	1.360e+06
NEIGHBORHOODHARLEM-CENTRAL	-1.076e+06	1.334e+06
NEIGHBORHOODHARLEM-EAST	-8.742e+05	1.481e+06
NEIGHBORHOODHARLEM-UPPER	-1.324e+06	1.537e+06
NEIGHBORHOODHARLEM-WEST	-3.203e+05	2.756e+06
NEIGHBORHOODINWOOD	-1.341e+06	1.772e+06

> # Print the nearZeroVar metrics to see which columns are being emoved

> print(nzv)

	freqRatio	percentUnique	zeroVar
GROSS.SQUARE.FEET	38.275833	1.11725905	FALSE
RESIDENTIAL.UNITS	2.074959	0.06731899	FALSE
YEAR.BUILT	1.220965	0.03995835	FALSE
SALE.PRICE	29.606608	7.30273272	FALSE
BUILDING.CLASS.AT.TIME.OF.SALE	1.612055	0.02184915	FALSE
	nzv		
GROSS.SQUARE.FEET	TRUE		
RESIDENTIAL.UNITS	FALSE		
YEAR.BUILT	FALSE		
SALE.PRICE	TRUE		
BUILDING.CLASS.AT.TIME.OF.SALE	FALSE		

Sale Price Distribution by Gross Square Feet in Manhattan

