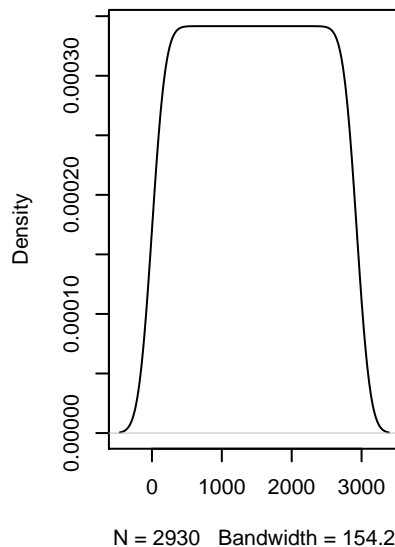
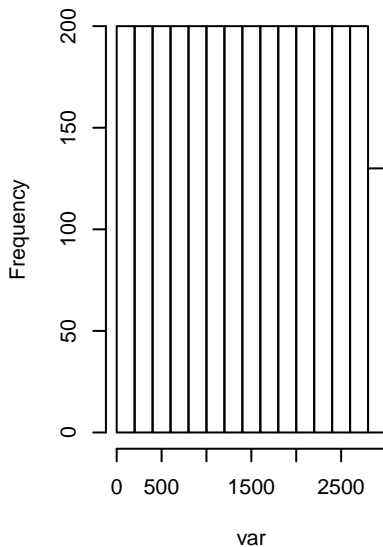


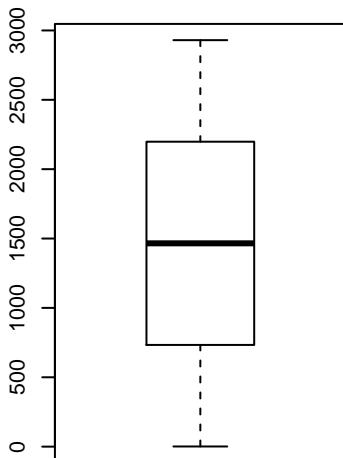
Order : double  
na: 0 values: 1 2

number of distinct values: 2930

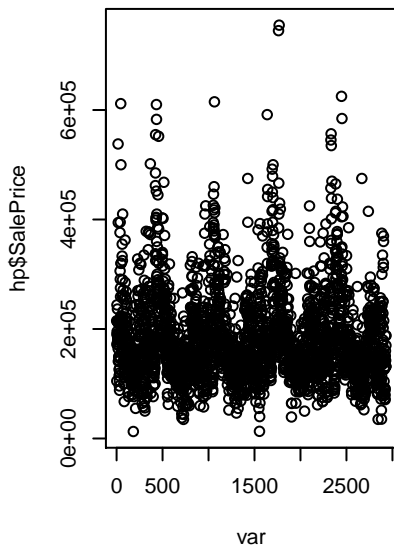
skewness: 0 kurtosis: 1.8



number of outliers: 0



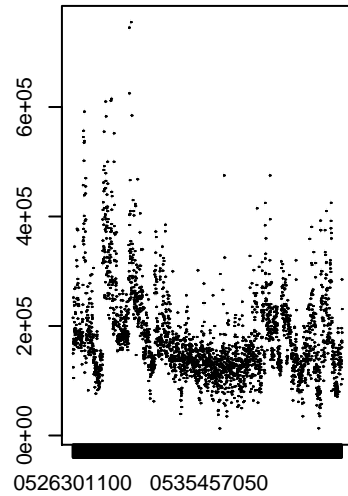
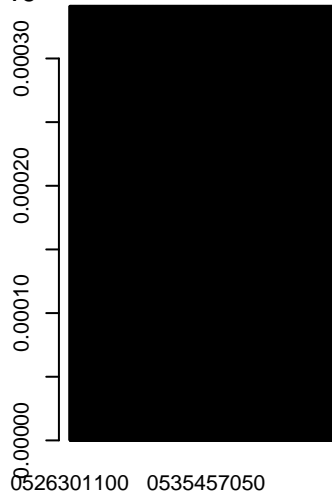
corealtion dependent: -0.03



PID : character

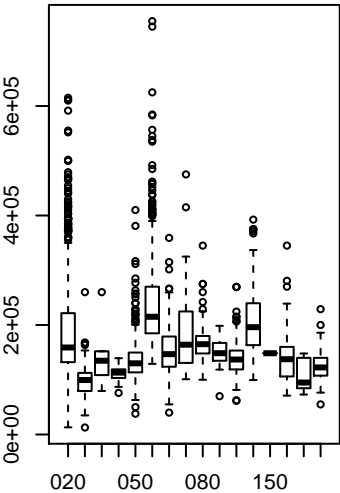
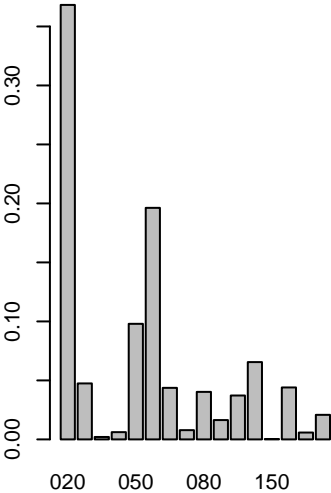
number of distinct values: 2930

: 0 values: 0526301100 0526350040



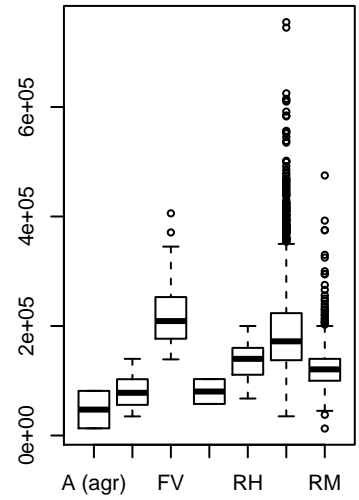
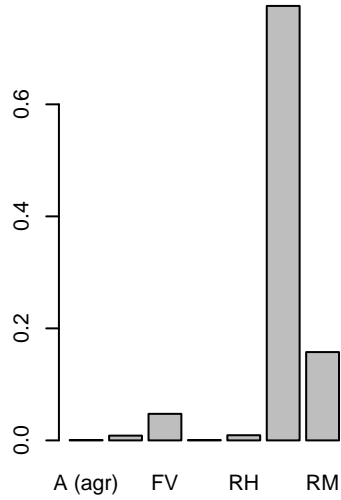
**MS SubClass : character**  
na: 0 values: 020 020

**number of distinct values: 16**

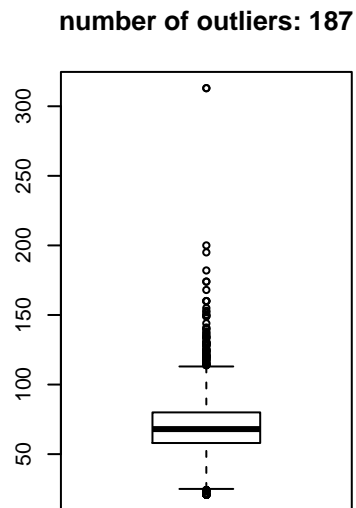
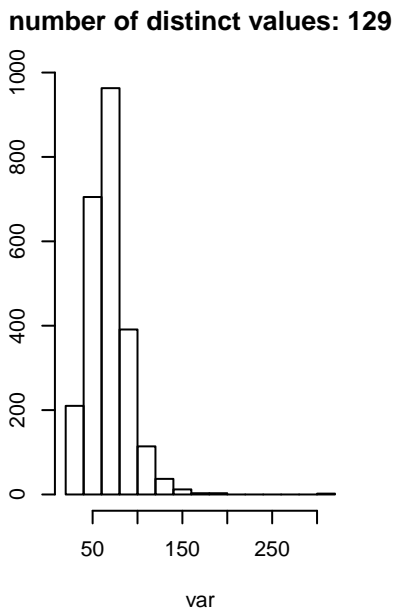


**MS Zoning : character**  
na: 0 values: RL RH

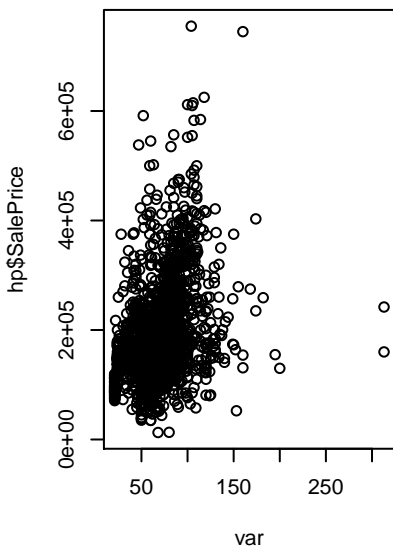
**number of distinct values: 7**



**Lot Frontage : double**  
na: 490 values: 141 80

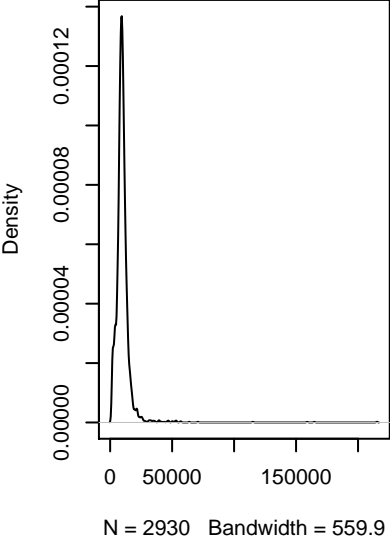
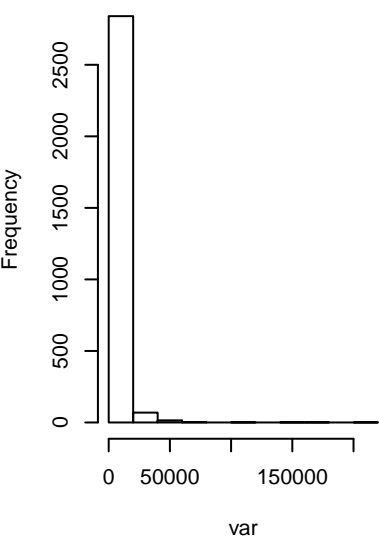


**corealtion dependent: NA**

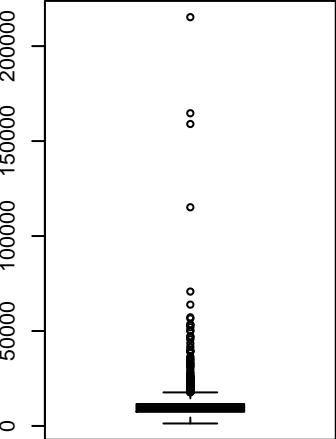


Lot Area : double  
na: 0 values: 31770 11622

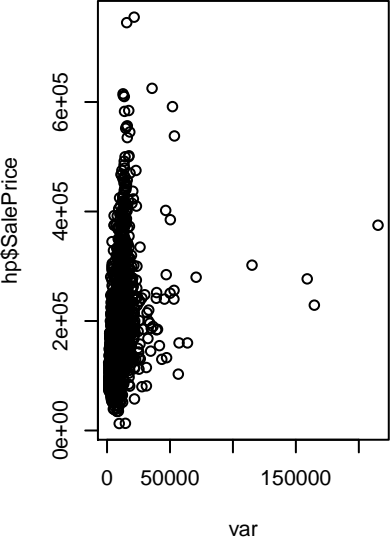
number of distinct values: 1960    skewness: 12.81    kurtosis: 267.5



number of outliers: 127

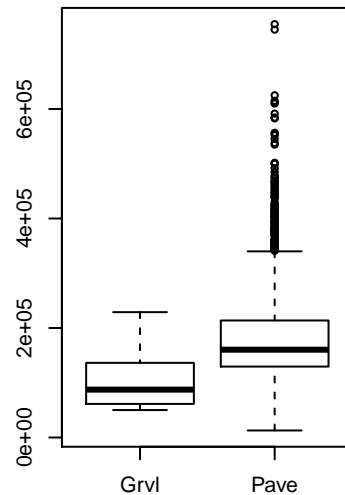
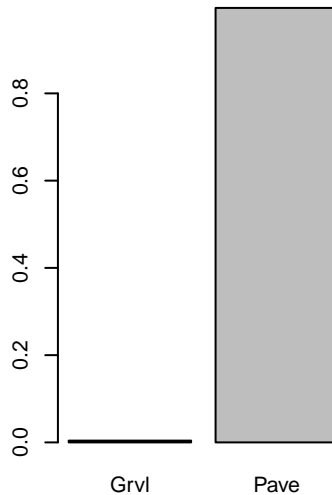


corealtion dependent: 0.27



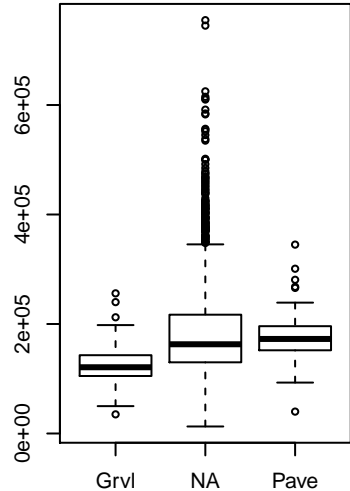
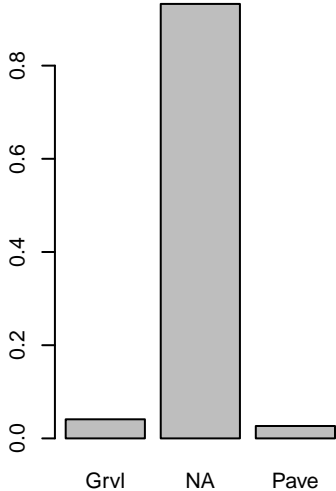
**Street : character**  
na: 0 values: Pave Pave

**number of distinct values: 2**



**Alley : character**  
na: 0 values: NA NA

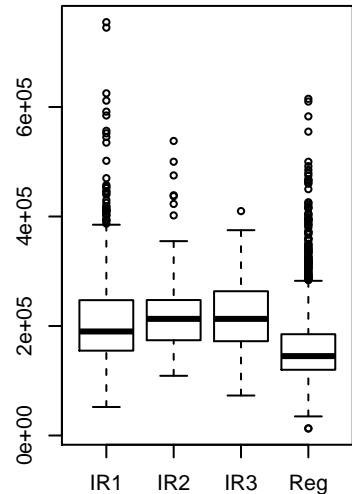
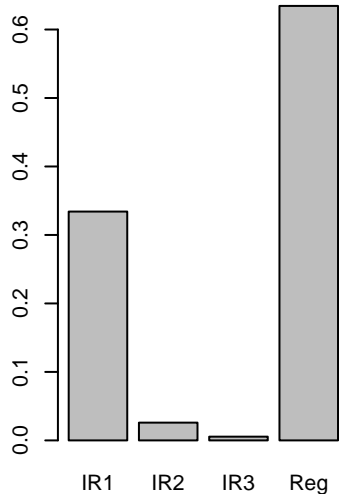
**number of distinct values: 3**





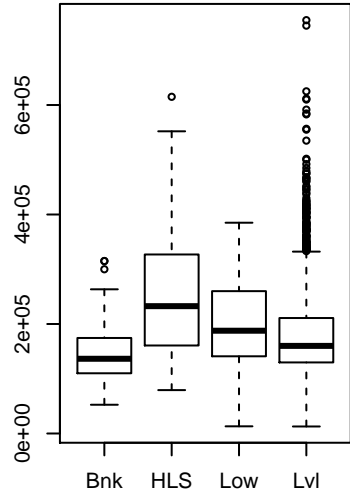
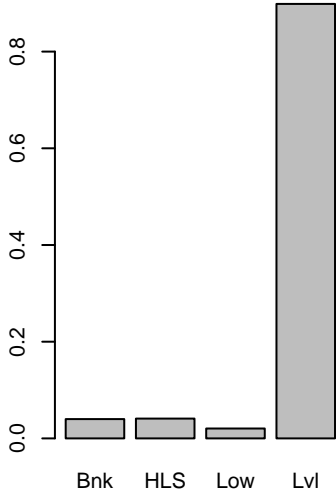
**Lot Shape : character**  
na: 0 values: IR1 Reg

**number of distinct values: 4**

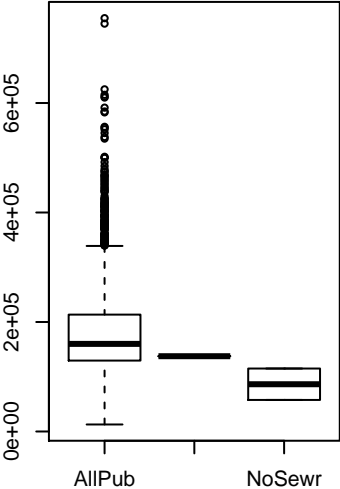
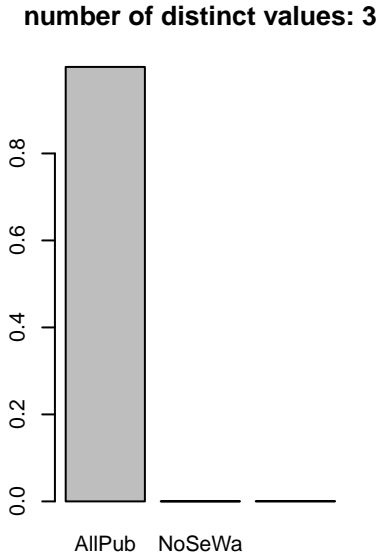


Land Contour : character  
na: 0 values: Lvl Lvl

number of distinct values: 4

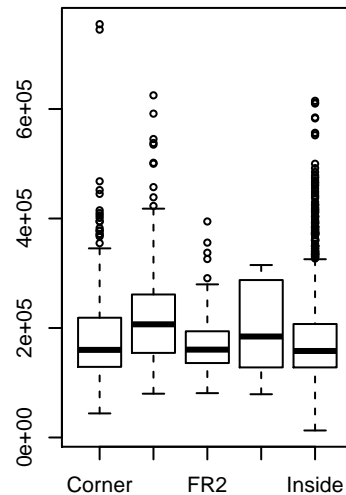
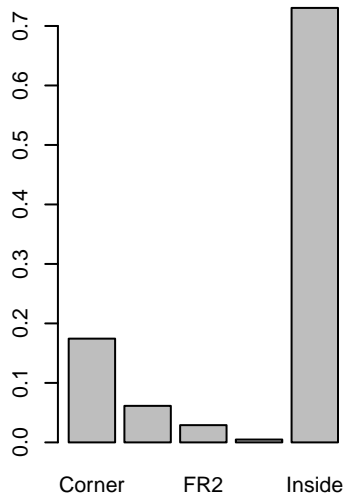


Utilities : character  
na: 0 values: AllPub AllPub



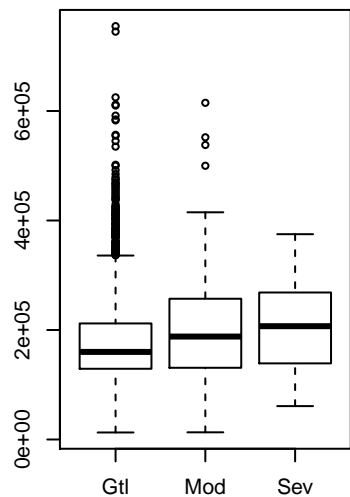
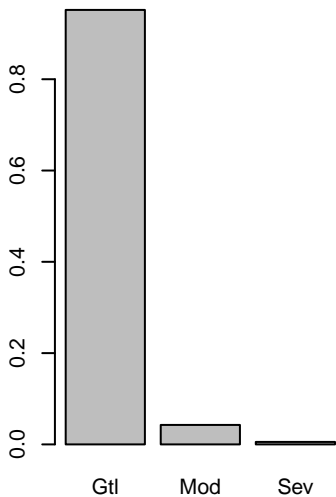
**Lot Config : character**  
na: 0 values: Corner Inside

**number of distinct values: 5**



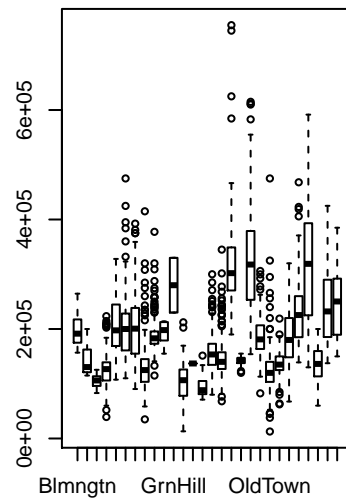
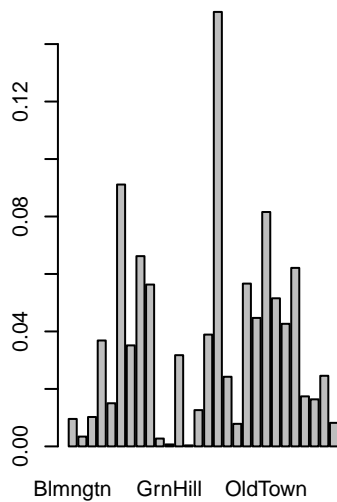
Land Slope : character  
na: 0 values: Gtl Gtl

number of distinct values: 3



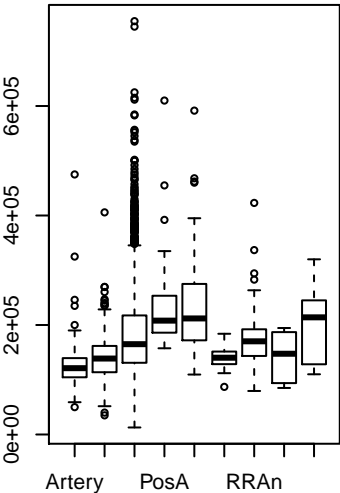
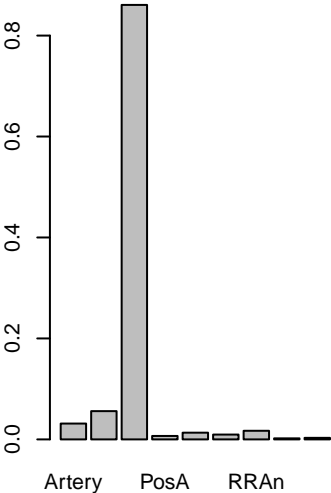
Neighborhood : character  
na: 0 values: Names Names

number of distinct values: 28



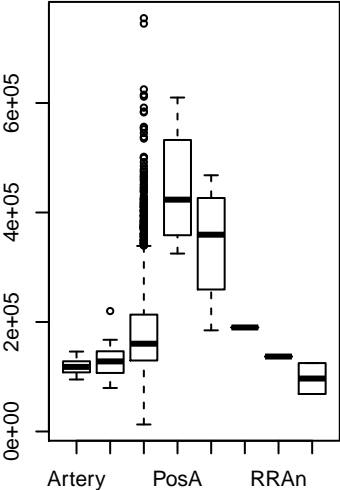
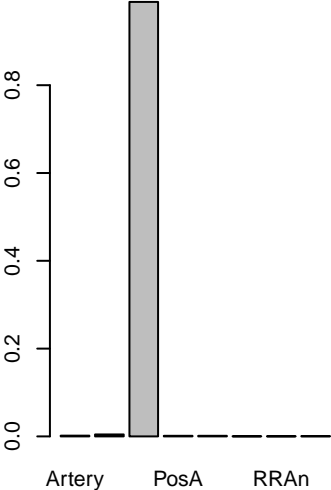
Condition 1 : character  
na: 0 values: Norm Feedr

number of distinct values: 9



Condition 2 : character  
na: 0 values: Norm Norm

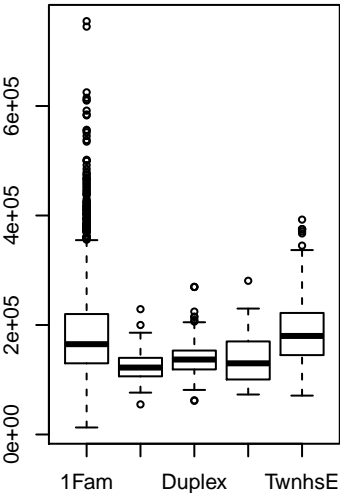
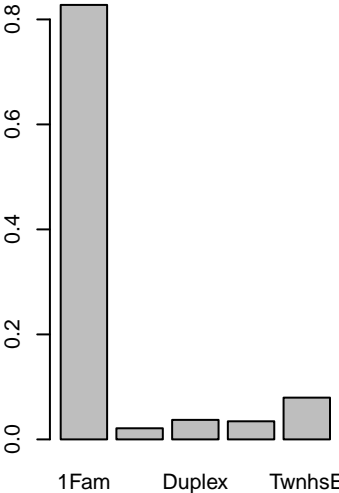
number of distinct values: 8





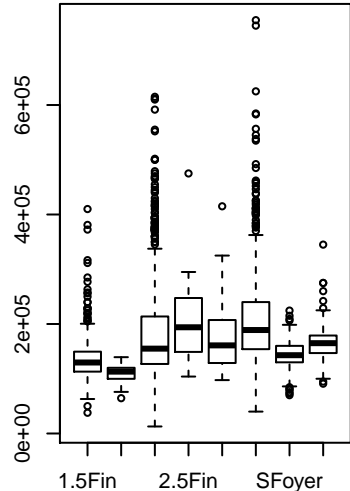
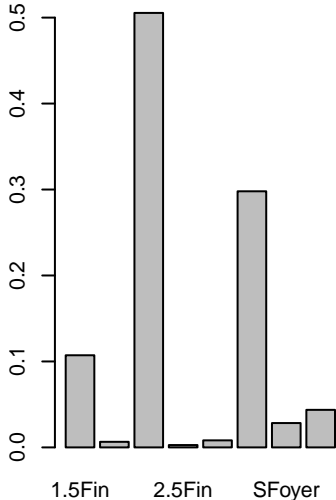
**Bldg Type : character**  
na: 0 values: 1Fam 1Fam

**number of distinct values: 5**



House Style : character  
na: 0 values: 1Story 1Story

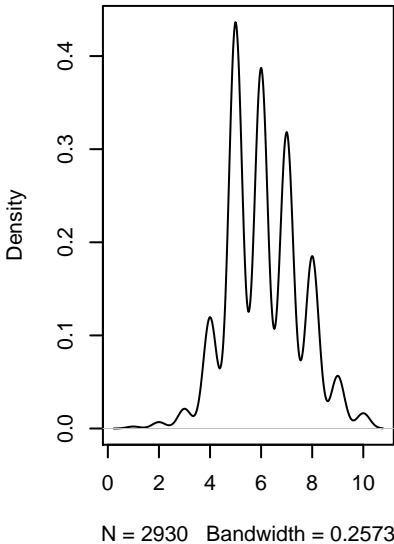
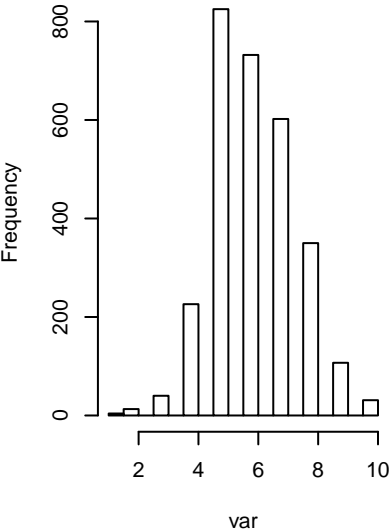
number of distinct values: 8



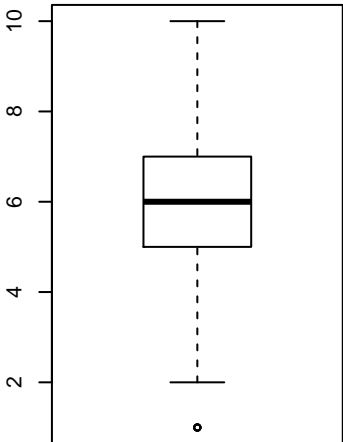
Overall Qual : double  
na: 0 values: 6 5

number of distinct values: 10

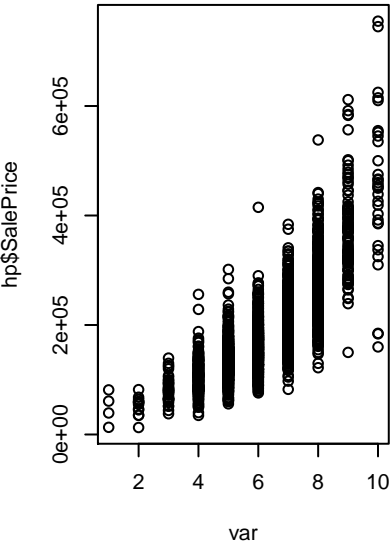
skewness: 0.19 kurtosis: 3.05



number of outliers: 4



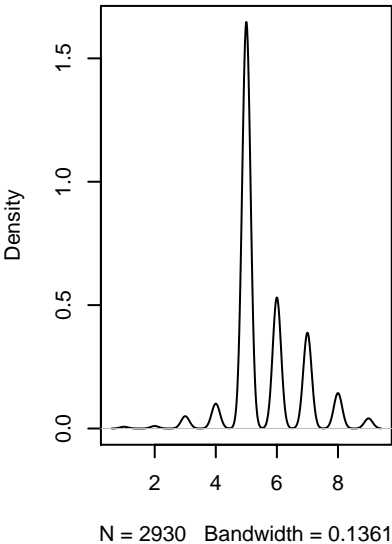
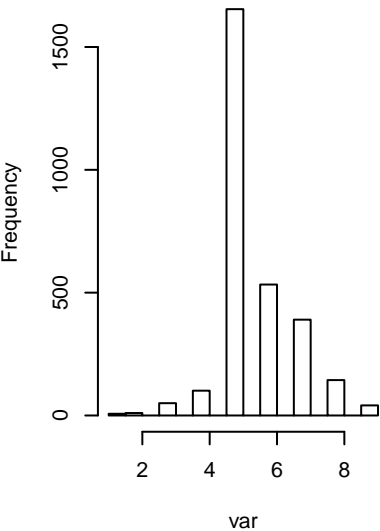
corealtion dependent: 0.8



Overall Cond : double  
na: 0 values: 5 6

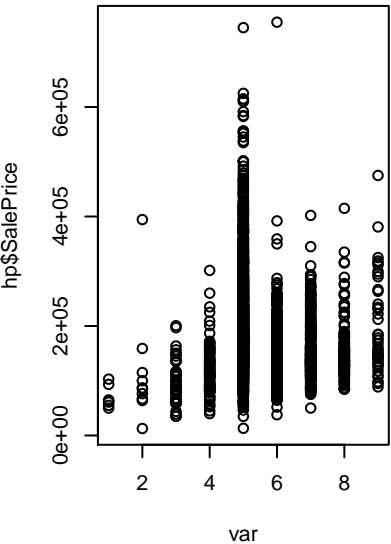
number of distinct values: 9

skewness: 0.57 kurtosis: 4.49



number of outliers: 252

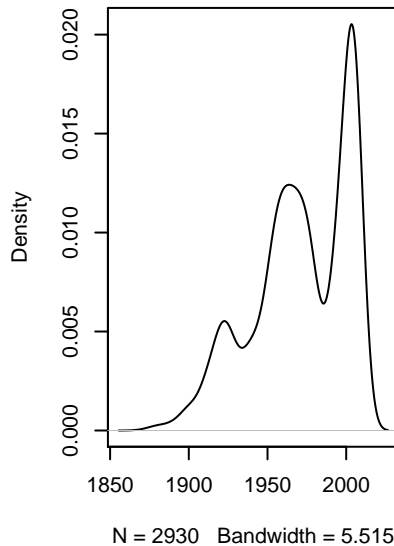
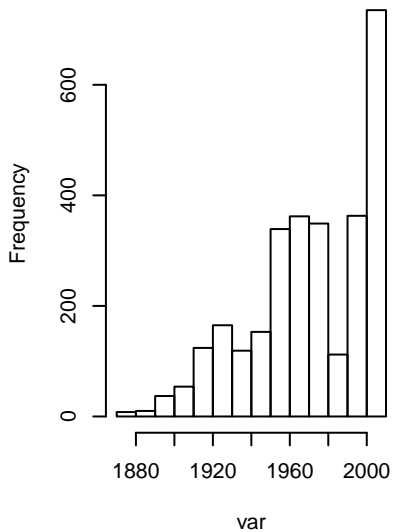
corealtion dependent: -0.1



**Year Built : double**  
na: 0 values: 1960 1961

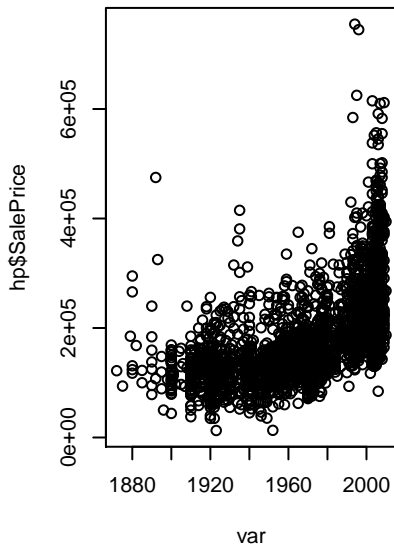
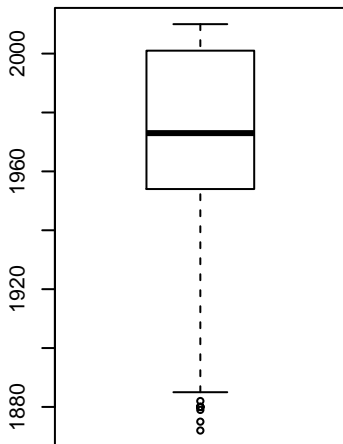
**number of distinct values: 118**

**skewness: -0.6 kurtosis: 2.5**



**number of outliers: 9**

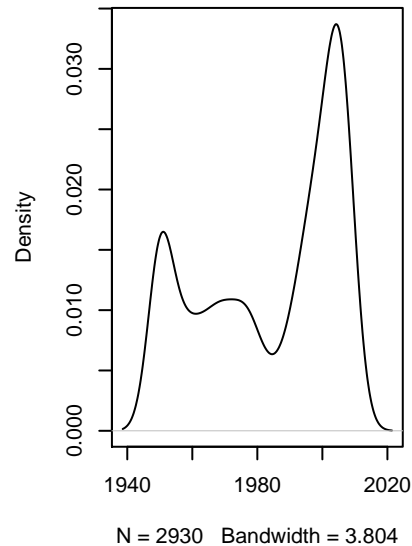
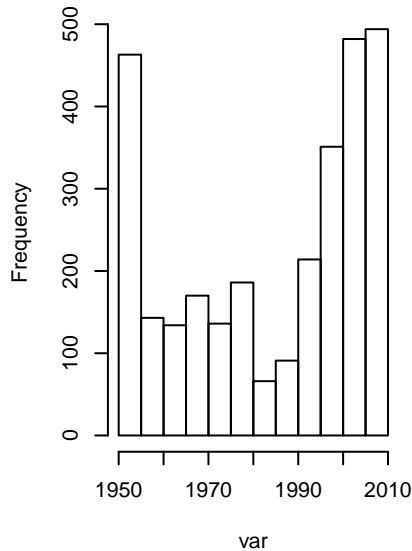
**corealtion dependent: 0.56**



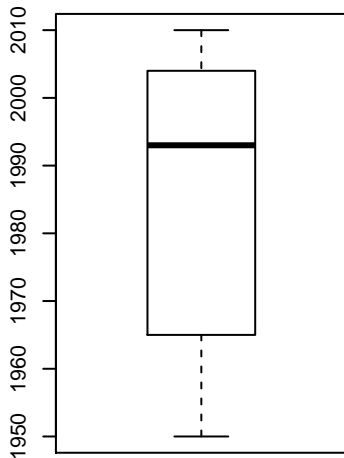
**Year Remod/Add : double**  
na: 0 values: 1960 1961

**number of distinct values: 61**

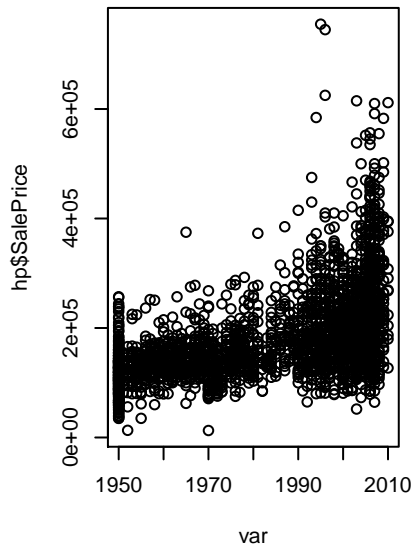
**skewness: -0.45 kurtosis: 1.66**



**number of outliers: 0**

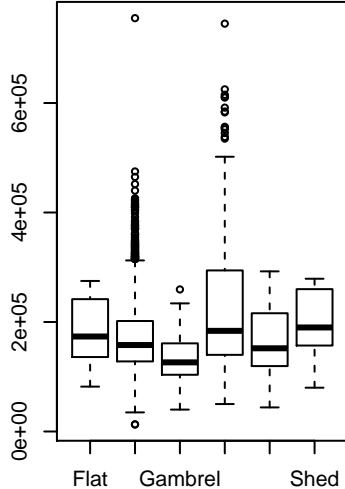
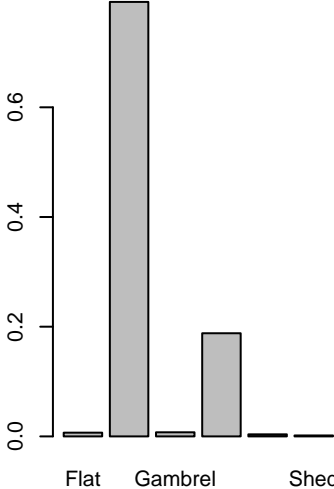


**corealtion dependent: 0.53**

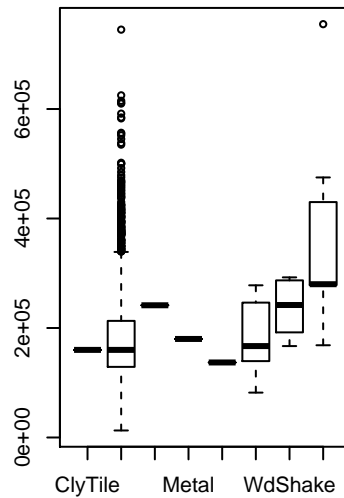
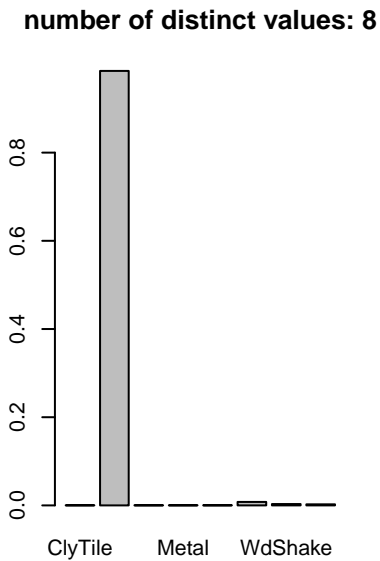


**Roof Style :** character  
na: 0 values: Hip Gable

**number of distinct values: 6**



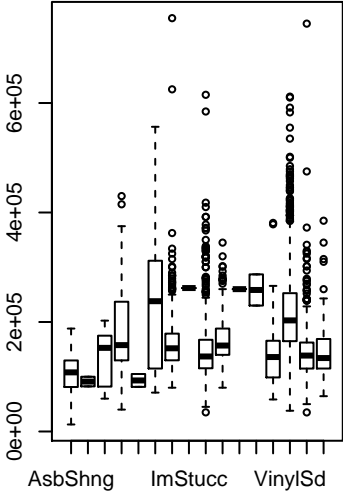
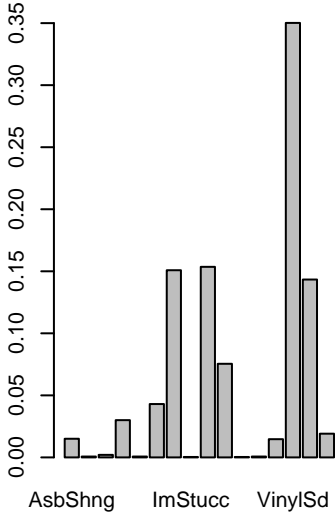
Roof Matl : character  
na: 0 values: CompShg CompShg





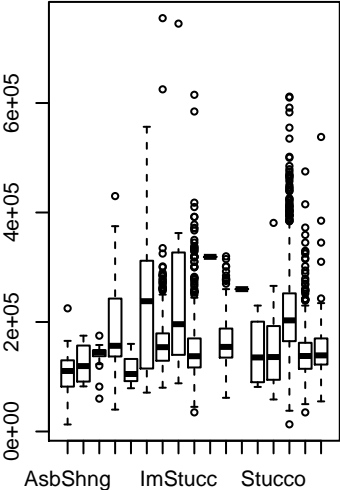
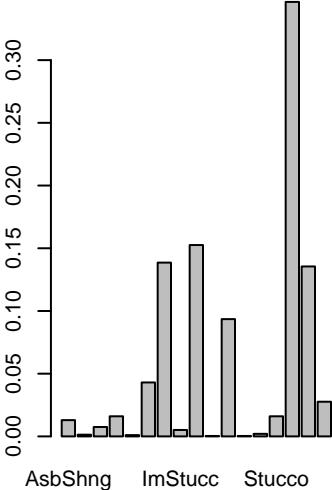
Exterior 1st : character  
na: 0 values: BrkFace VinylSd

number of distinct values: 16



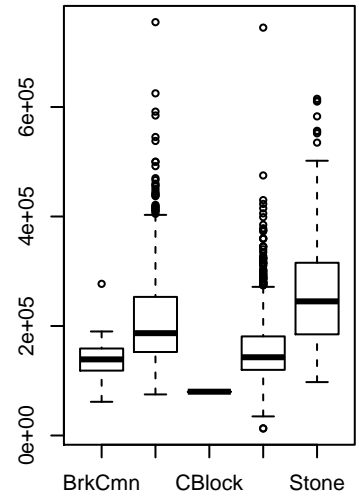
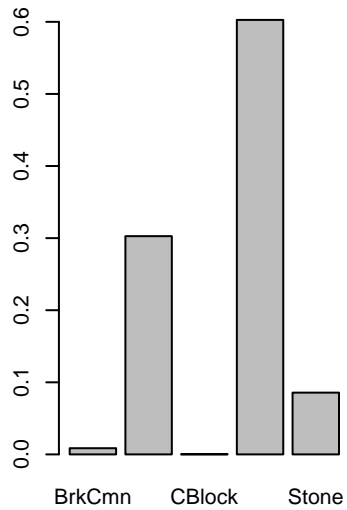
Exterior 2nd : character  
na: 0 values: Plywood VinylSd

number of distinct values: 17



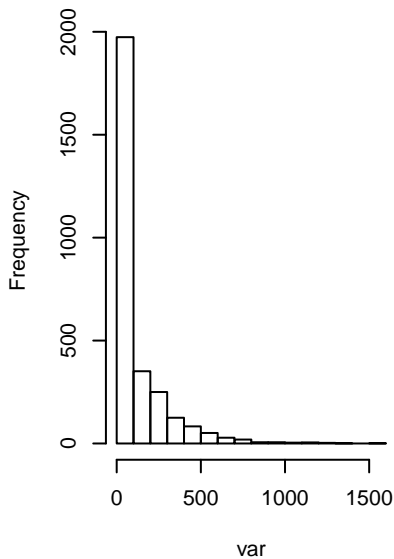
na: 23 values: Stone None

**number of distinct values: 6**

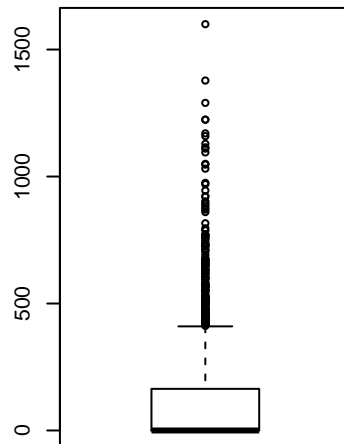


Mas Vnr Area : double  
na: 23 values: 112 0

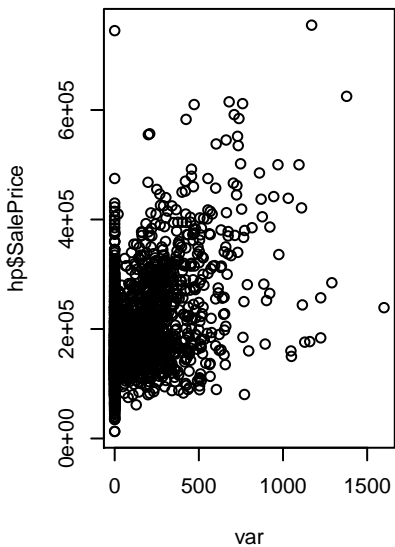
number of distinct values: 446



number of outliers: 200

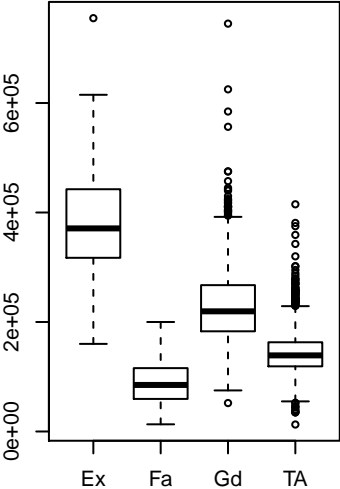
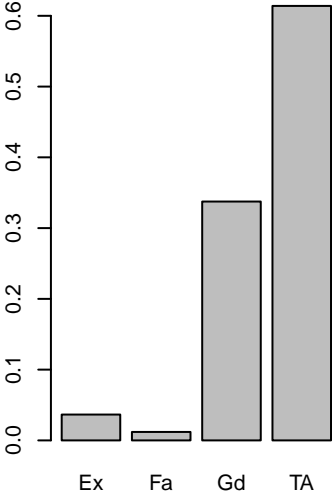


corealtion dependent: NA



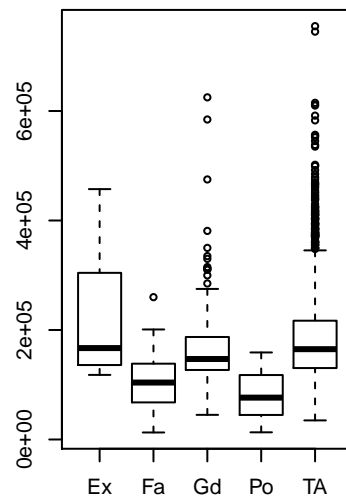
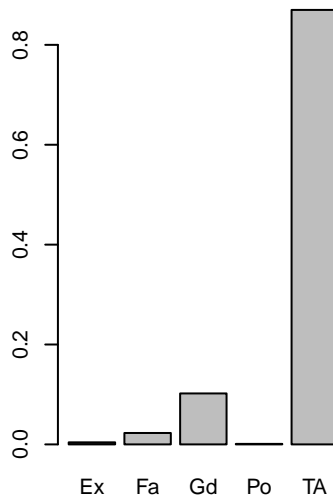
Exter Qual : character  
na: 0 values: TA TA

number of distinct values: 4



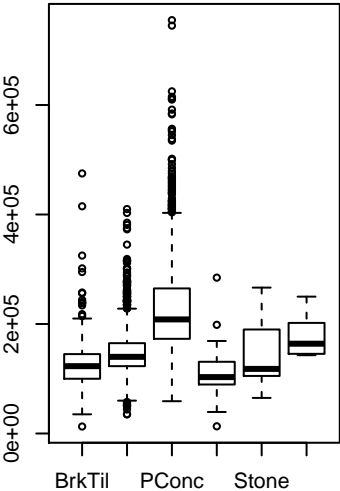
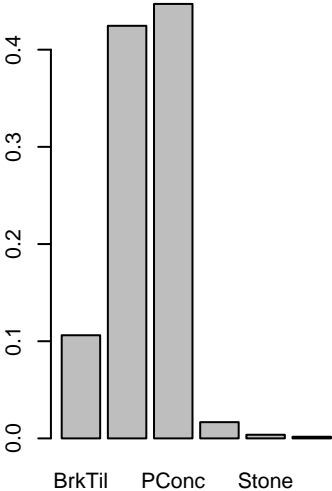
Exter Cond : character  
na: 0 values: TA TA

number of distinct values: 5



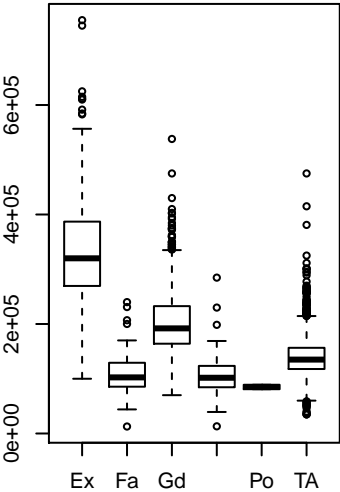
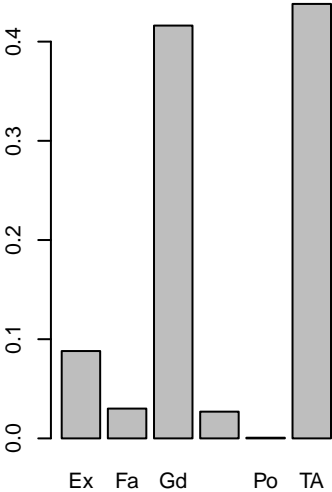
Foundation : character  
na: 0 values: CBlock CBlock

number of distinct values: 6



**Bsmt Qual : character**  
na: 1 values: TA TA

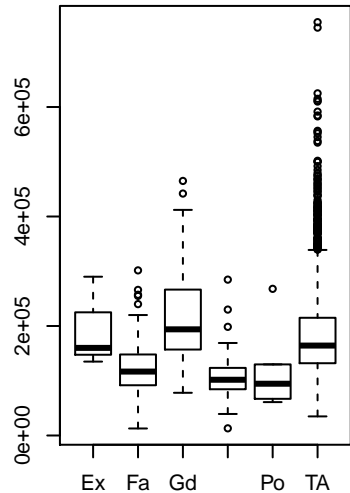
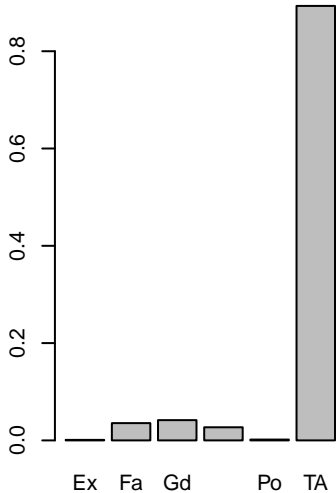
**number of distinct values: 7**





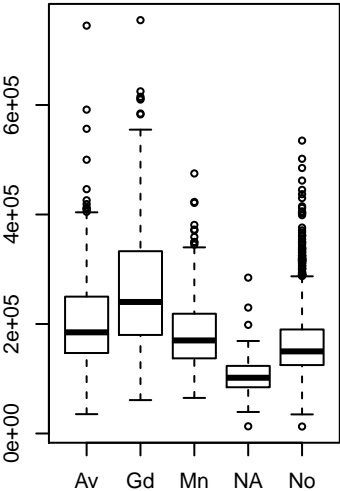
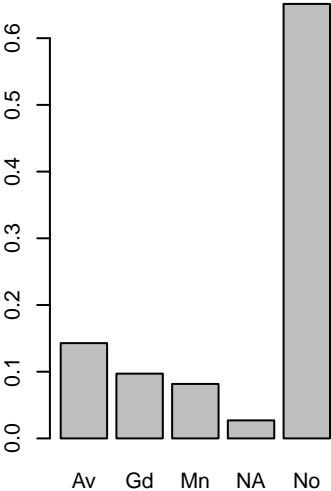
Bsmt Cond : character  
na: 1 values: Gd TA

number of distinct values: 7



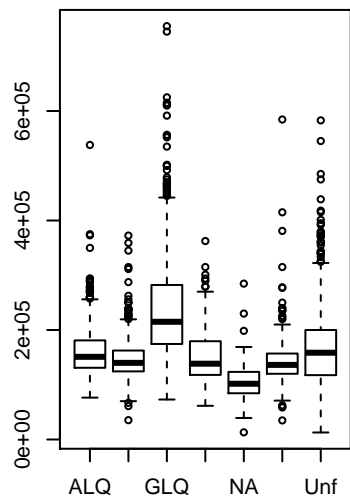
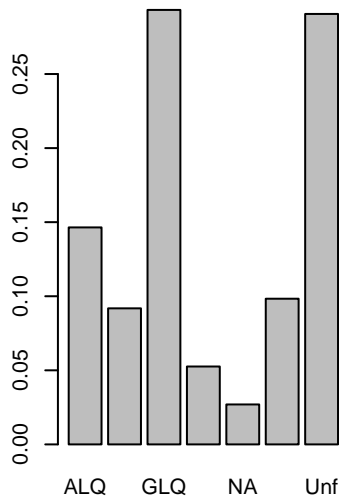
**Bsmt Exposure : character**  
na: 4 values: Gd No

**number of distinct values: 6**



**BsmtFin Type 1 : character**  
na: 1 values: BLQ Rec

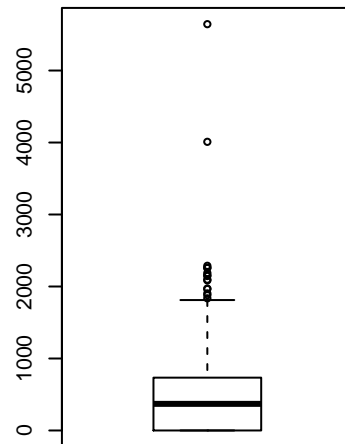
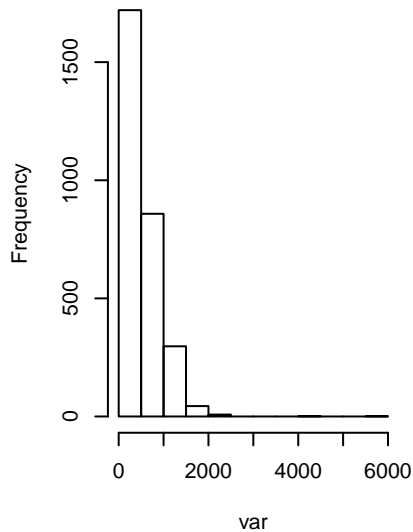
**number of distinct values: 8**



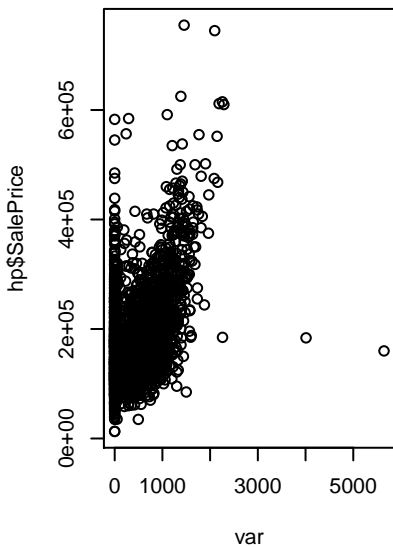
**BsmtFin SF 1 : double**  
na: 1 values: 639 468

**number of distinct values: 996**

**number of outliers: 15**

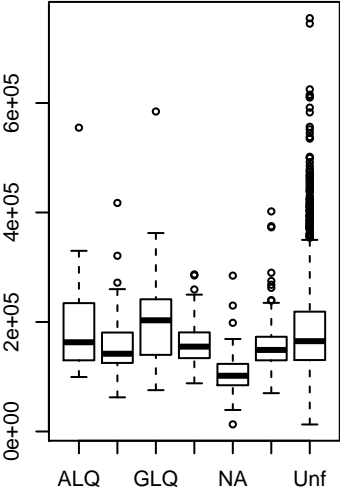
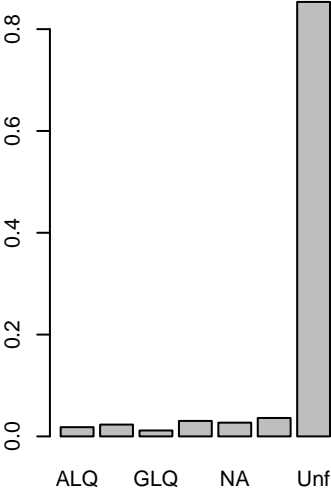


**corealtion dependent: NA**



**BsmtFin Type 2 : character**  
na: 2 values: Unf LwQ

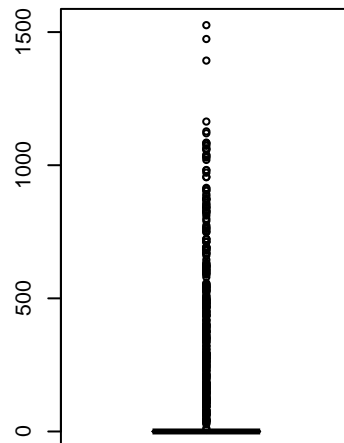
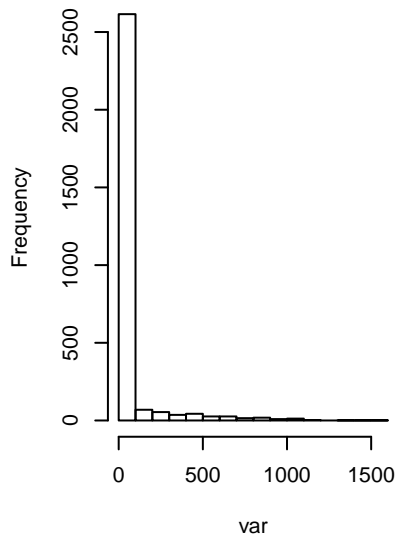
**number of distinct values: 8**



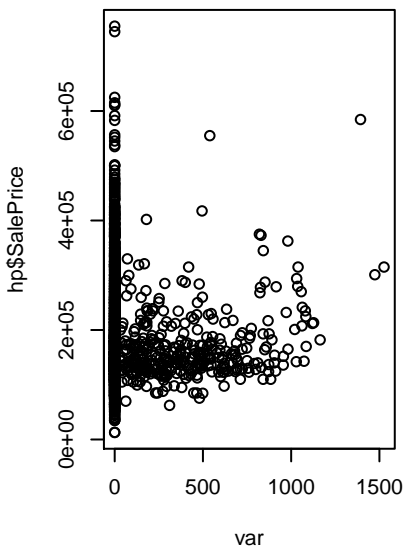
**BsmtFin SF 2 : double**  
na: 1 values: 0 144

**number of distinct values: 275**

**number of outliers: 351**



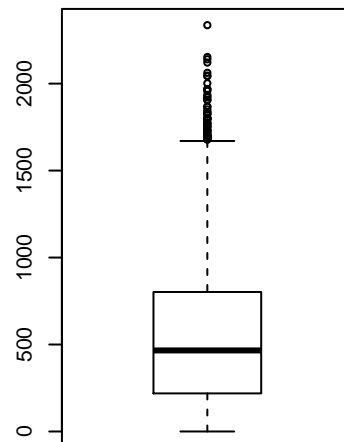
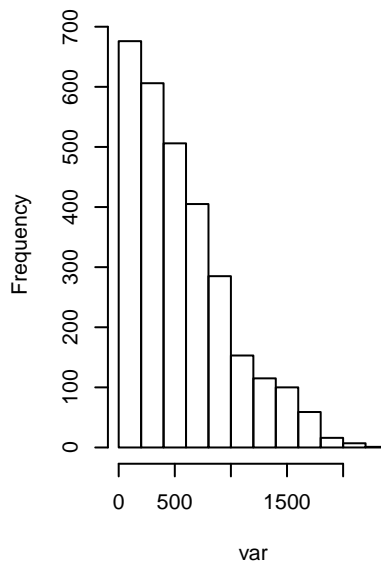
**corealtion dependent: NA**



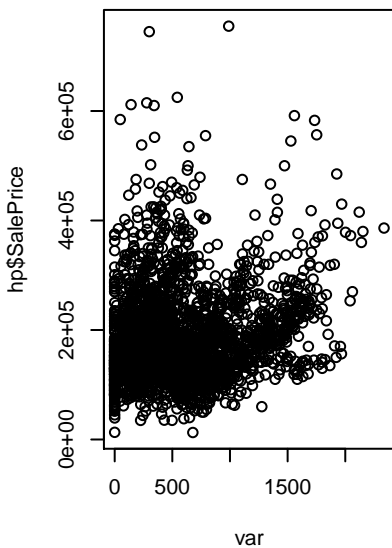
**Bsmt Unf SF : double**  
na: 1 values: 441 270

**number of distinct values: 1138**

**number of outliers: 56**



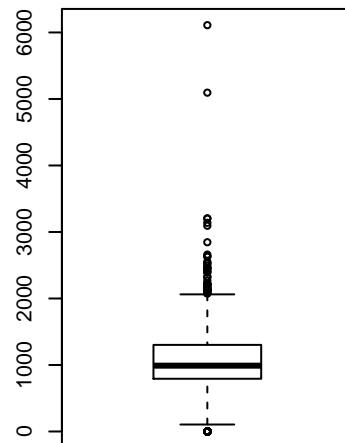
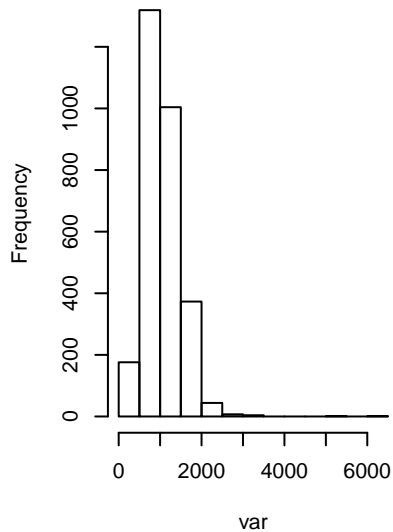
**corealtion dependent: NA**



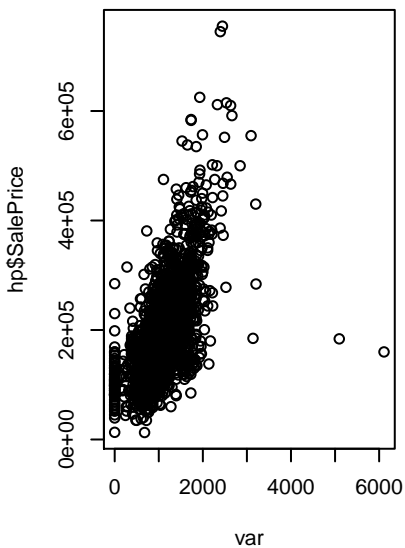
Total Bsmt SF : double  
na: 1 values: 1080 882

number of distinct values: 1059

number of outliers: 123



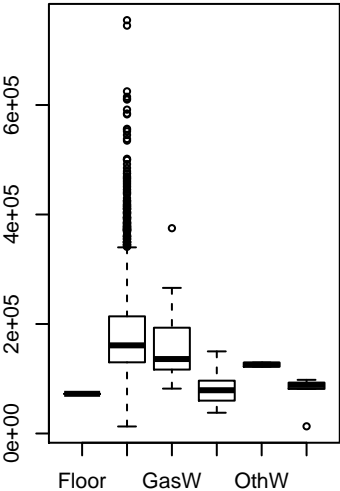
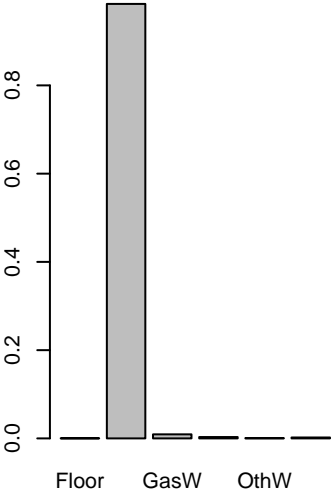
corealtion dependent: NA





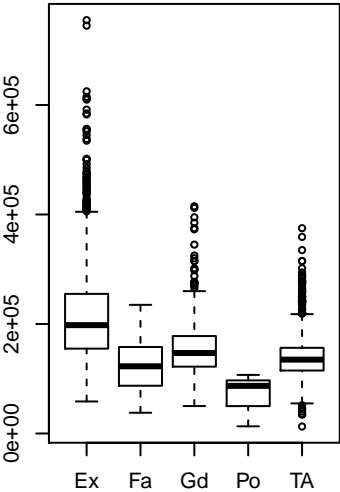
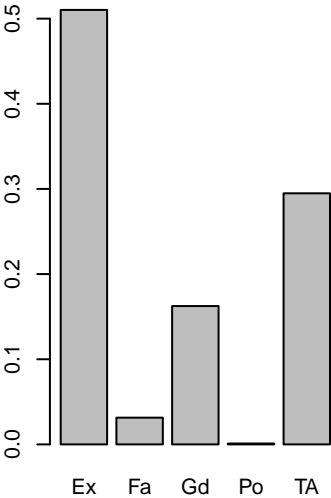
Heating : character  
na: 0 values: GasA GasA

number of distinct values: 6



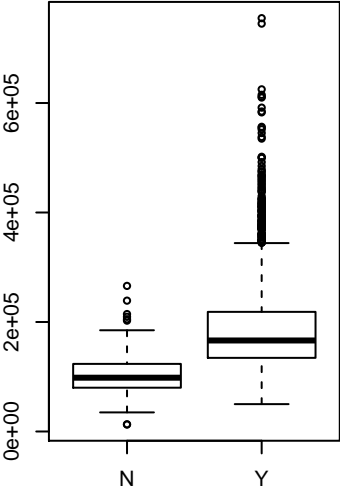
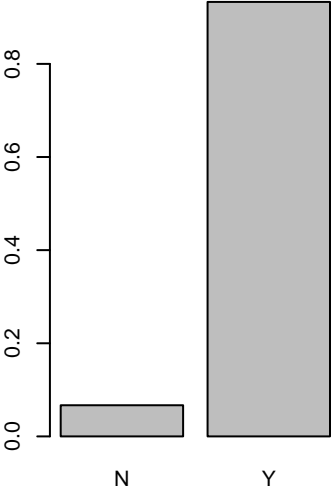
Heating QC : character  
na: 0 values: Fa TA

number of distinct values: 5



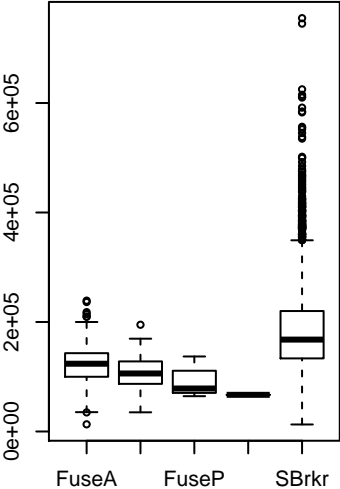
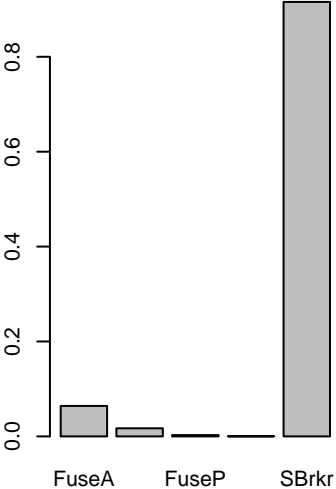
Central Air : character  
na: 0 values: Y Y

number of distinct values: 2



Electrical : character  
na: 1 values: SBrkr SBrkr

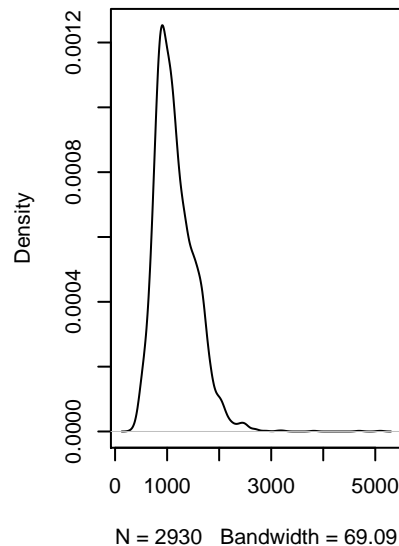
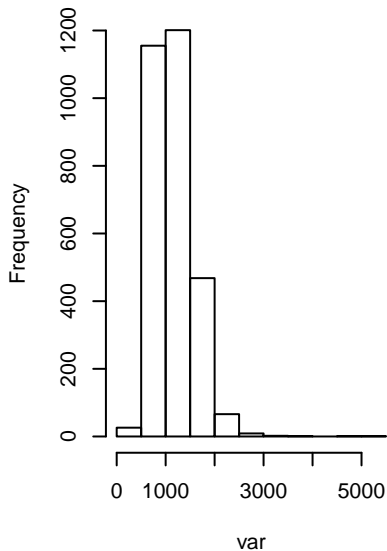
number of distinct values: 6



1st Flr SF : double  
na: 0 values: 1656 896

number of distinct values: 1083

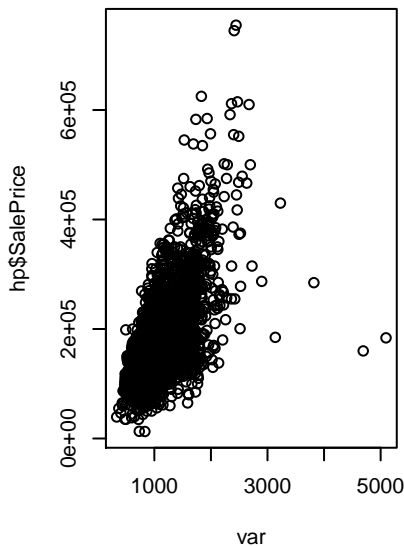
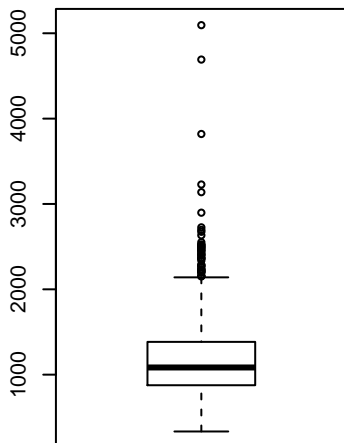
skewness: 1.47 kurtosis: 9.95



N = 2930 Bandwidth = 69.09

number of outliers: 43

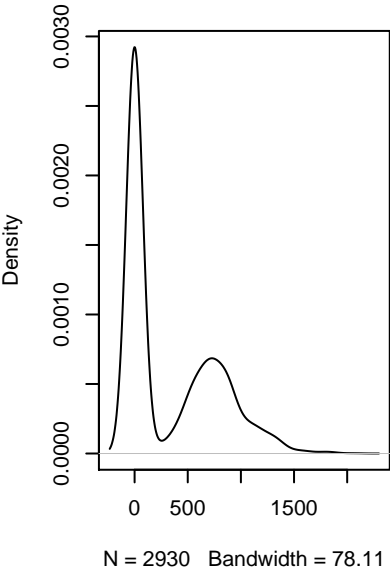
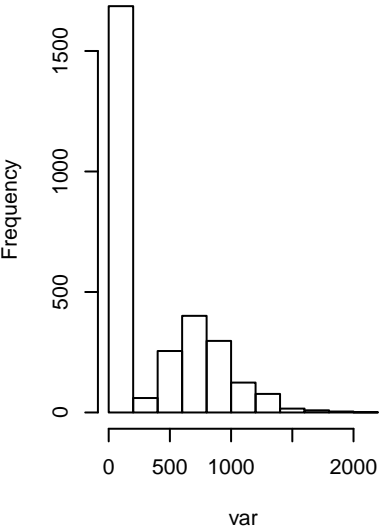
corealtion dependent: 0.62



2nd Flr SF : double  
na: 0 values: 0 0

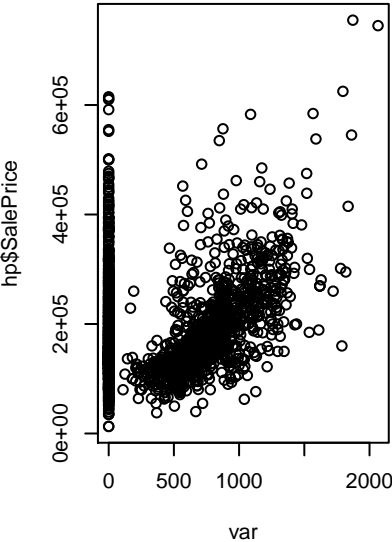
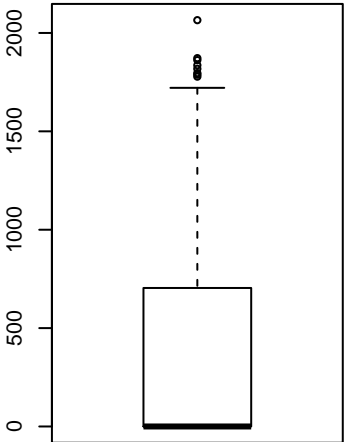
number of distinct values: 635

skewness: 0.87 kurtosis: 2.58



number of outliers: 8

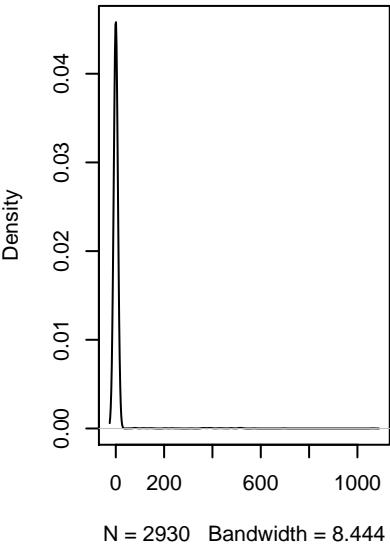
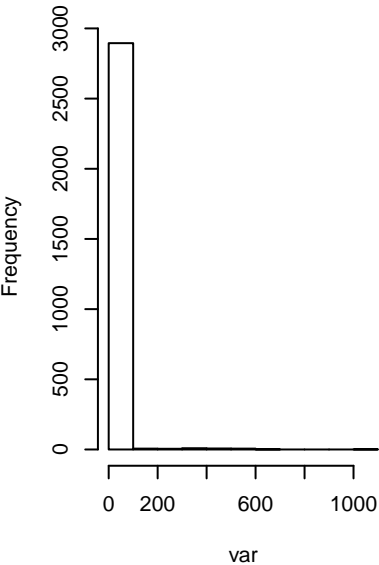
corealtion dependent: 0.27



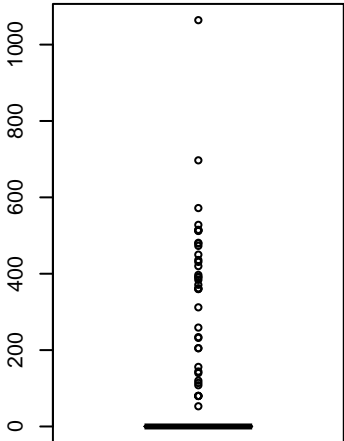
**Low Qual Fin SF : double**  
na: 0 values: 0 0

**number of distinct values: 36**

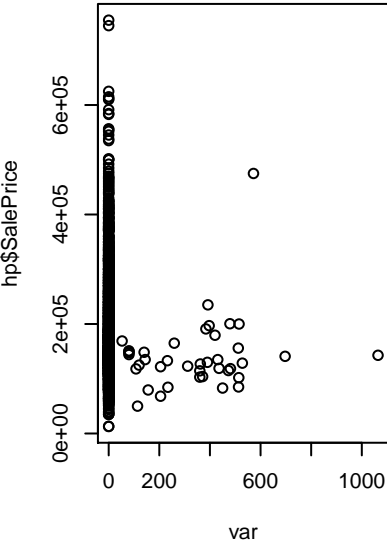
**skewness: 12.11 kurtosis: 178.3**



**number of outliers: 40**



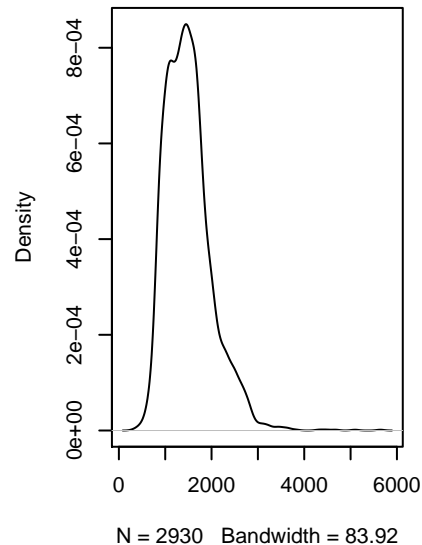
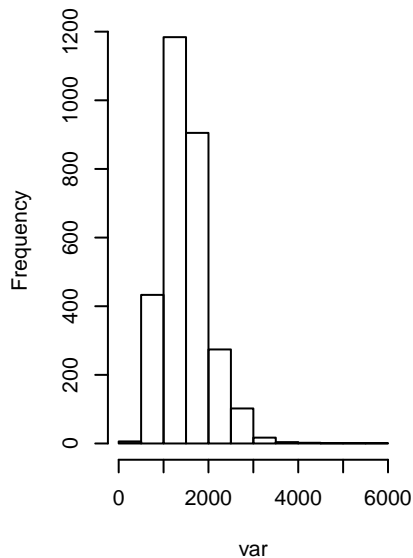
**corealtion dependent: -0.04**



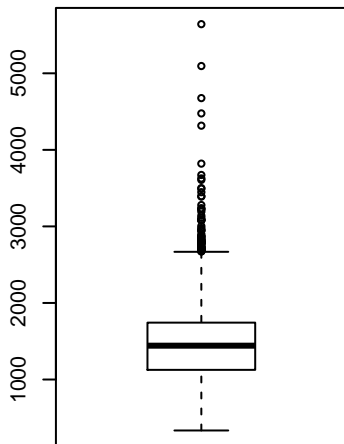
Gr Liv Area : double  
na: 0 values: 1656 896

number of distinct values: 1292

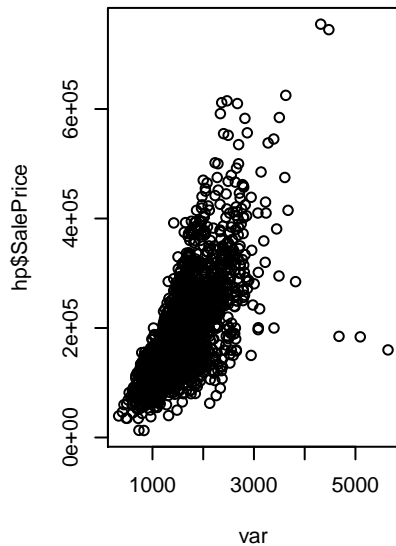
skewness: 1.27 kurtosis: 7.13



number of outliers: 74



corealtion dependent: 0.71

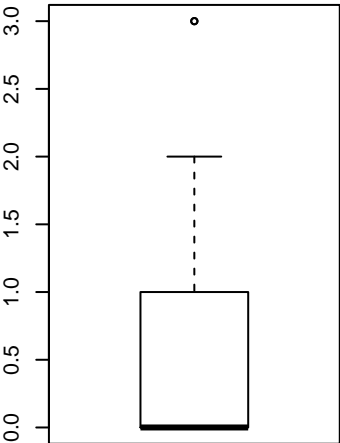
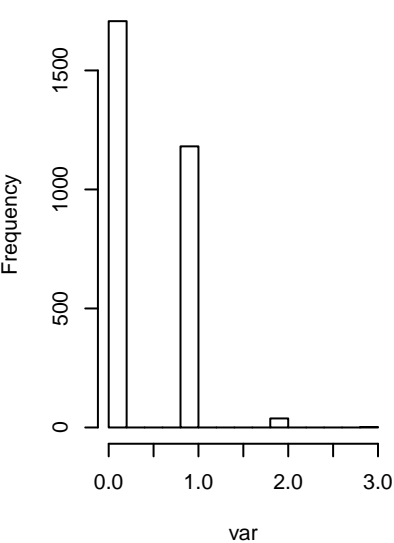




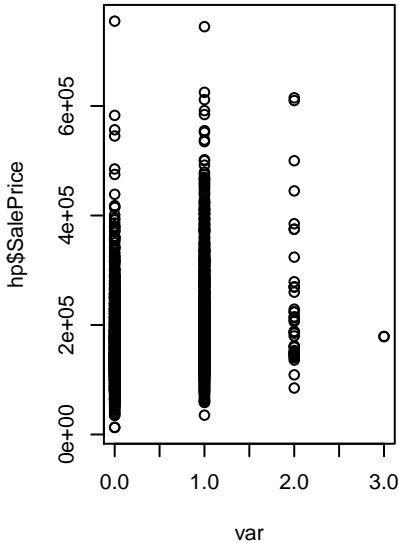
**Bsmt Full Bath : double**  
na: 2 values: 1 0

**number of distinct values: 5**

**number of outliers: 2**



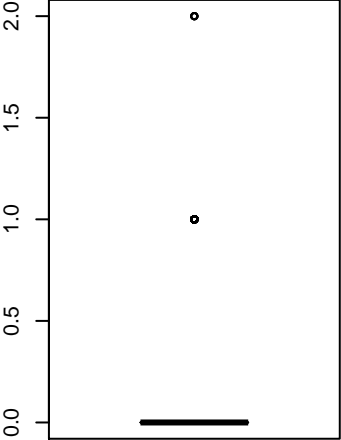
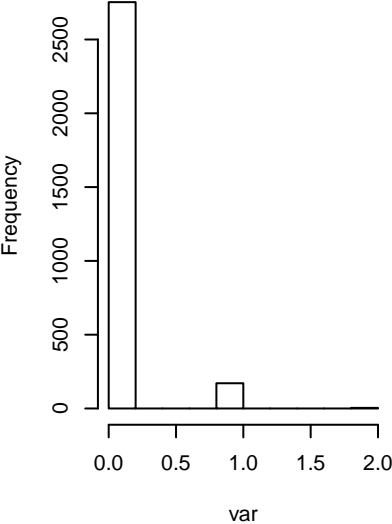
**corealtion dependent: NA**



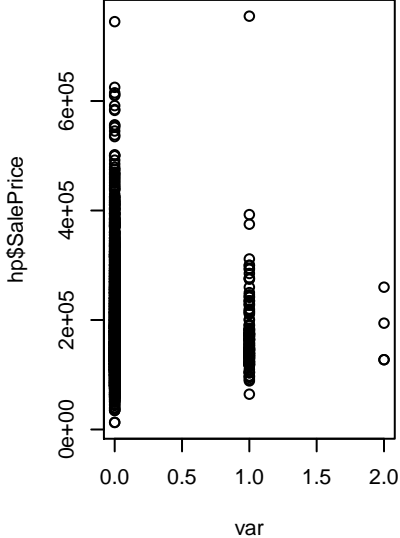
**Bsmt Half Bath : double**  
na: 2 values: 0 0

**number of distinct values: 4**

**number of outliers: 175**



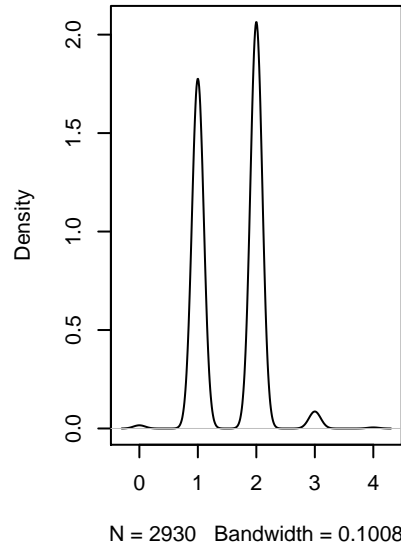
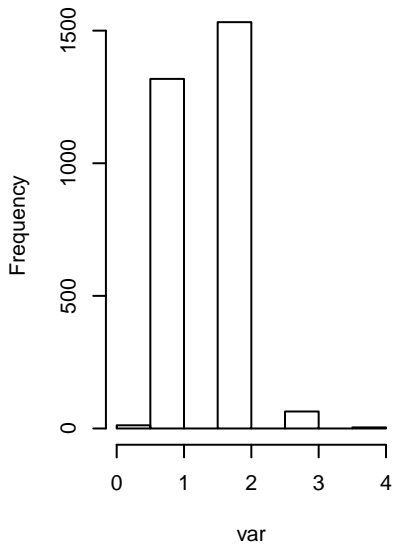
**corealtion dependent: NA**



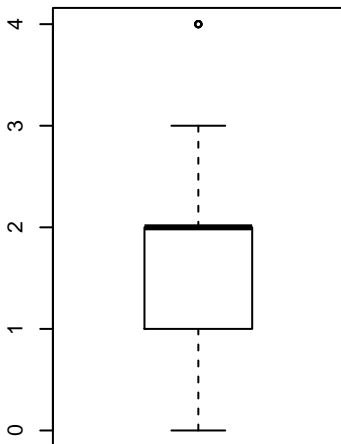
Full Bath : double  
na: 0 values: 1 1

number of distinct values: 5

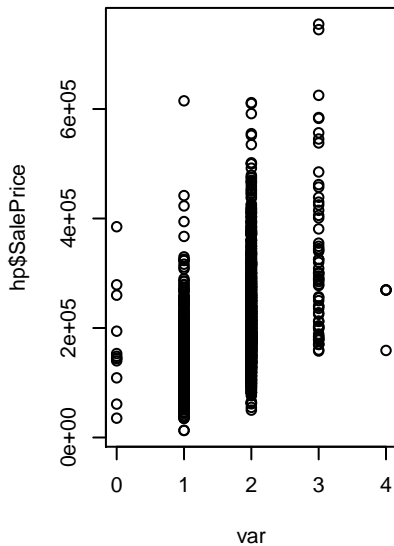
skewness: 0.17 kurtosis: 2.46



number of outliers: 4



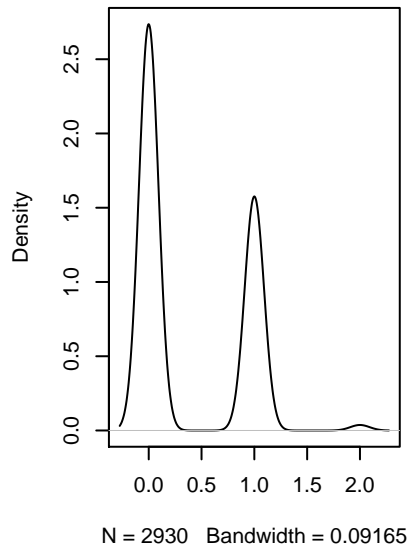
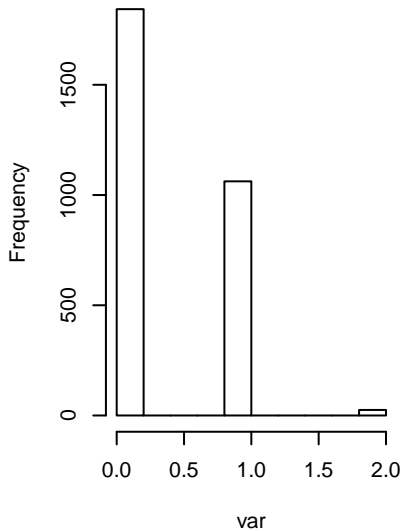
corealtion dependent: 0.55



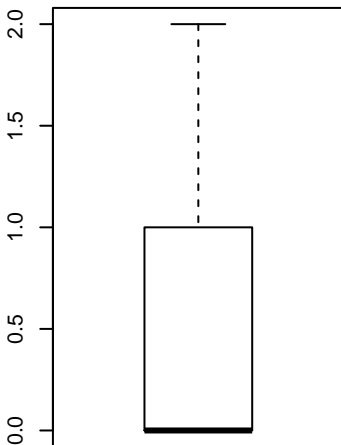
Half Bath : double  
na: 0 values: 0 0

number of distinct values: 3

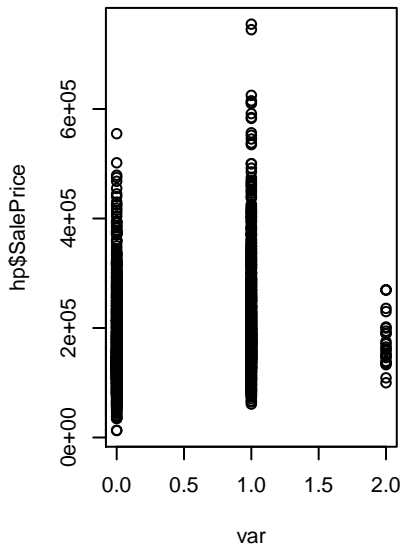
skewness: 0.7 kurtosis: 1.97



number of outliers: 0



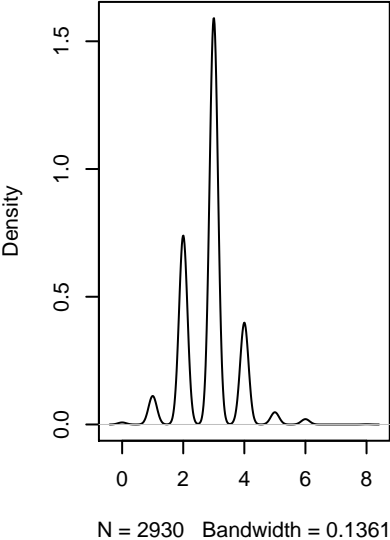
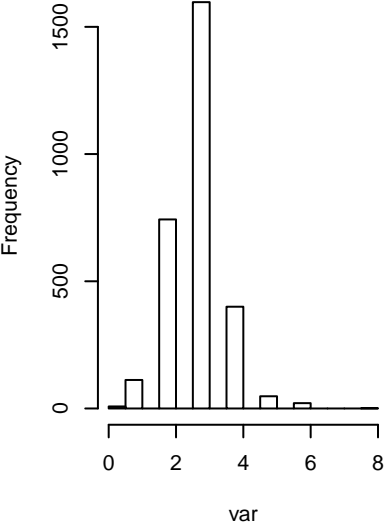
corealtion dependent: 0.29



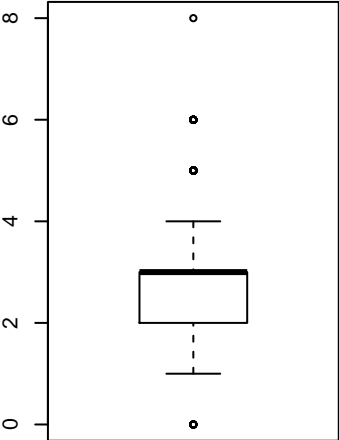
Bedroom AbvGr : double  
na: 0 values: 3 2

number of distinct values: 8

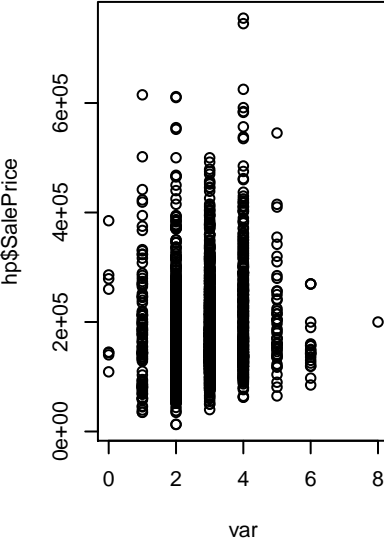
skewness: 0.31 kurtosis: 4.89



number of outliers: 78



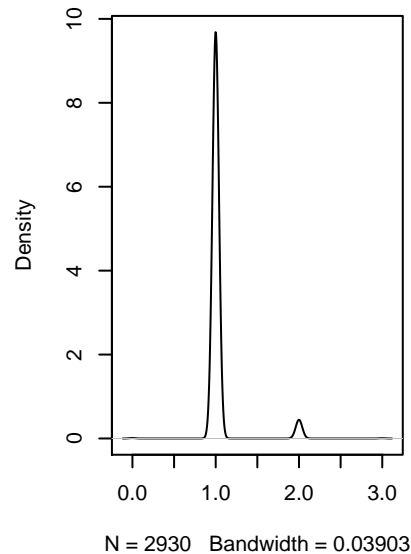
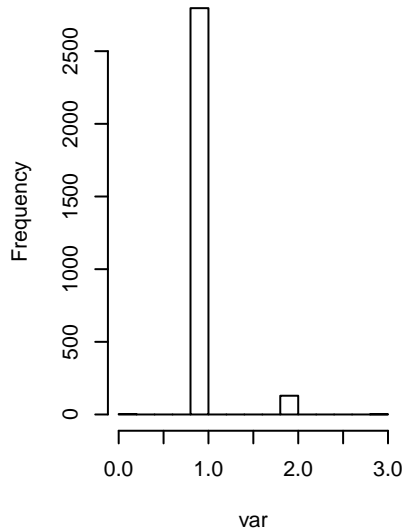
corealtion dependent: 0.14



**Kitchen AbvGr : double**  
na: 0 values: 1 1

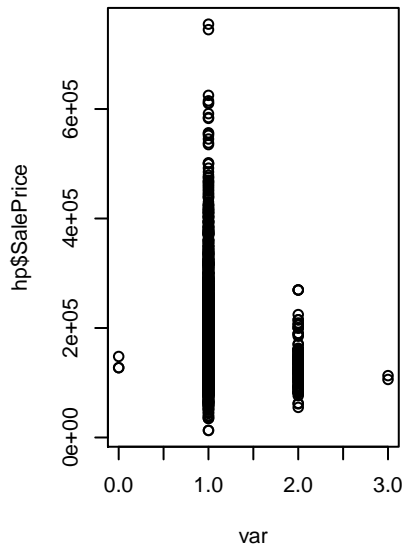
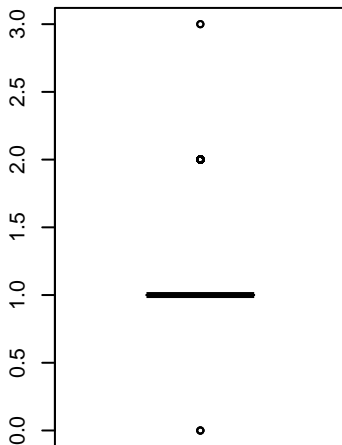
**number of distinct values: 4**

**skewness: 4.31 kurtosis: 22.83**



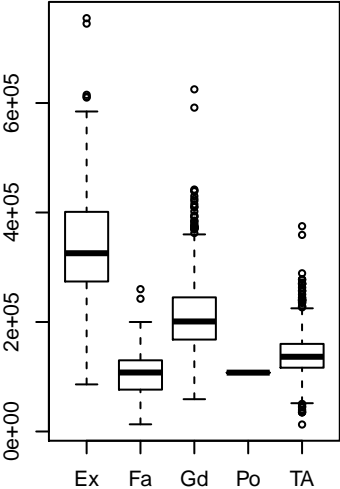
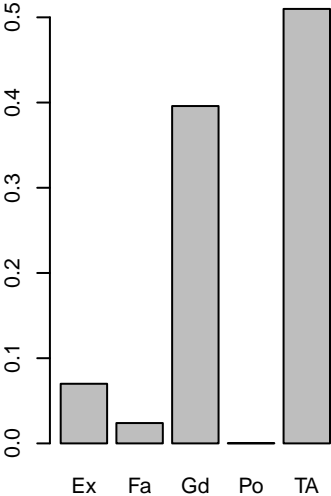
**number of outliers: 134**

**corealtion dependent: -0.12**



**Kitchen Qual : character**  
na: 0 values: TA TA

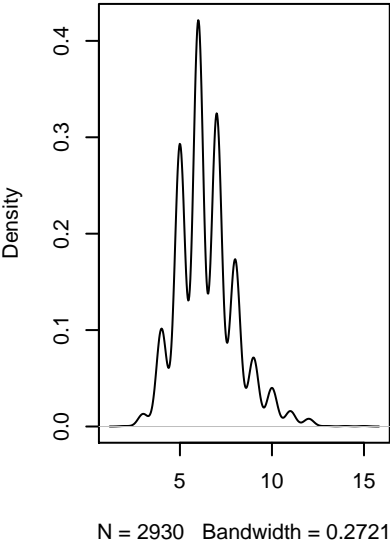
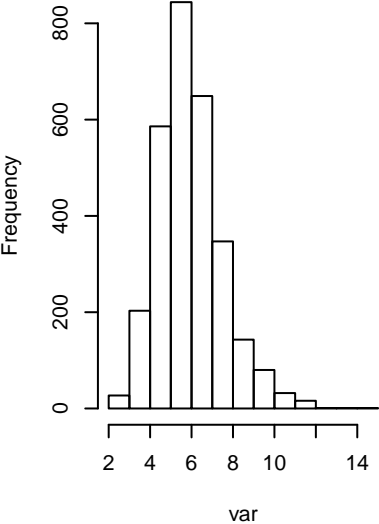
**number of distinct values: 5**



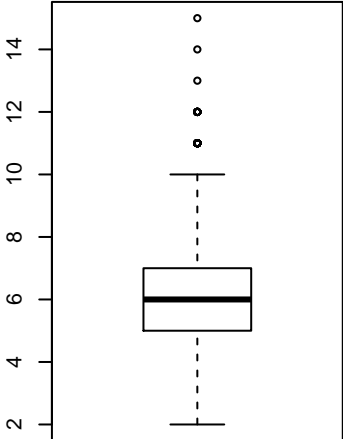
TotRms AbvGrd : double  
na: 0 values: 7 5

number of distinct values: 14

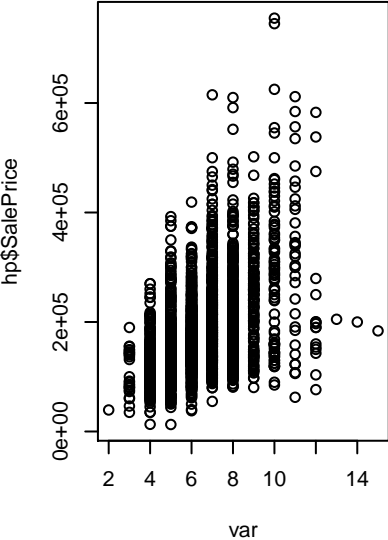
skewness: 0.75 kurtosis: 4.15



number of outliers: 51



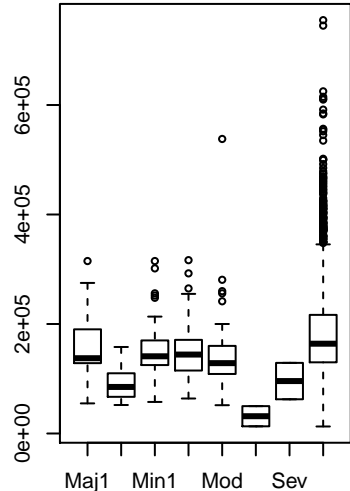
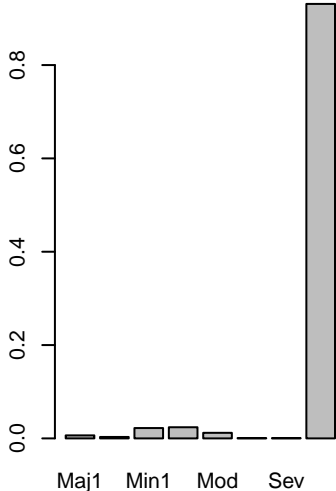
corealtion dependent: 0.5





Functional : character  
na: 0 values: Typ Typ

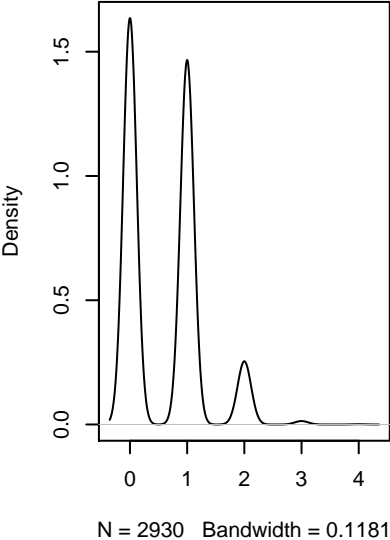
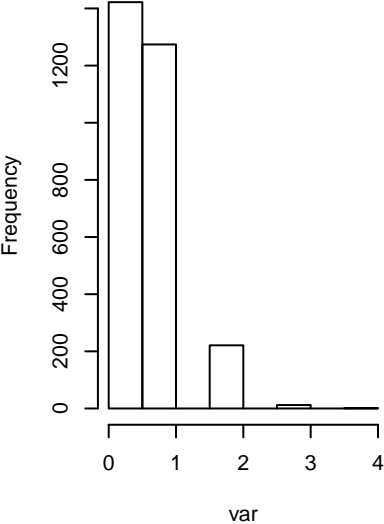
number of distinct values: 8



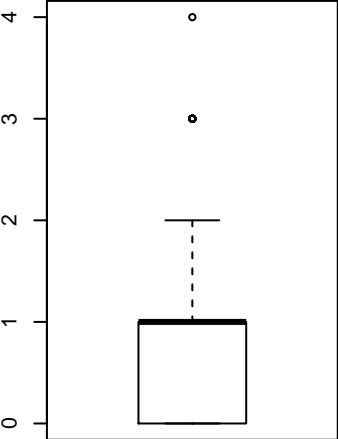
Fireplaces : double  
na: 0 values: 2 0

number of distinct values: 5

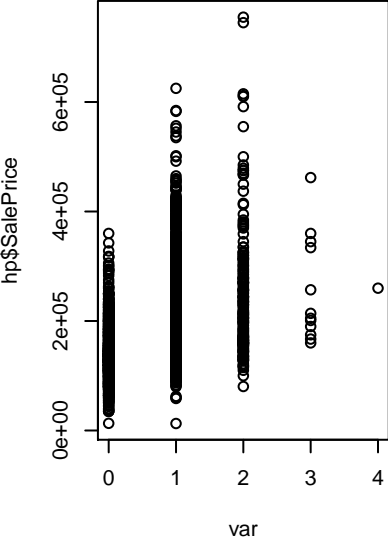
skewness: 0.74 kurtosis: 3.1



number of outliers: 13

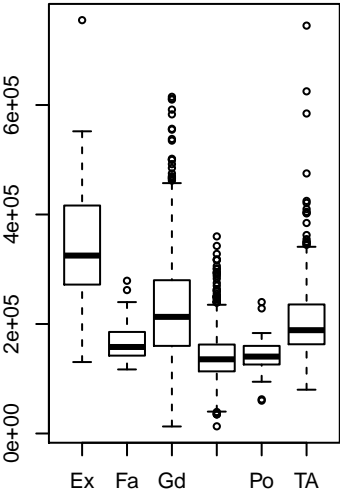
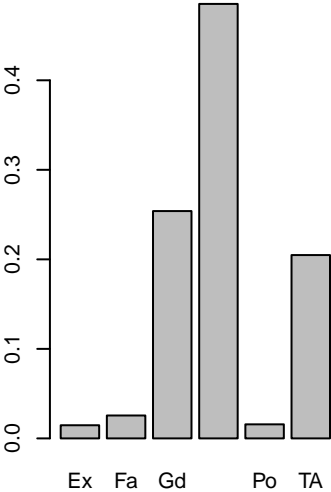


corealtion dependent: 0.47



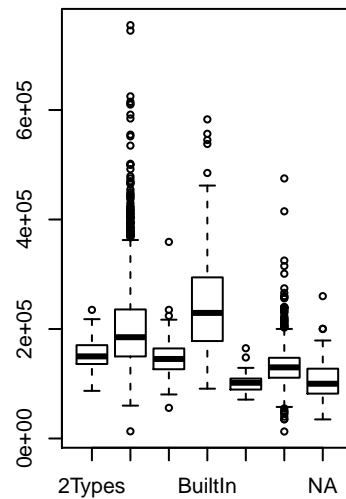
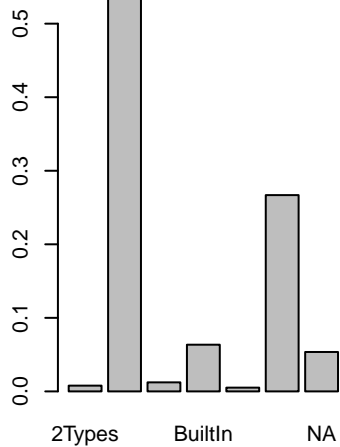
**Fireplace Qu : character**  
na: 0 values: Gd NA

**number of distinct values: 6**



**Garage Type : character**  
na: 0 values: Attchd Attchd

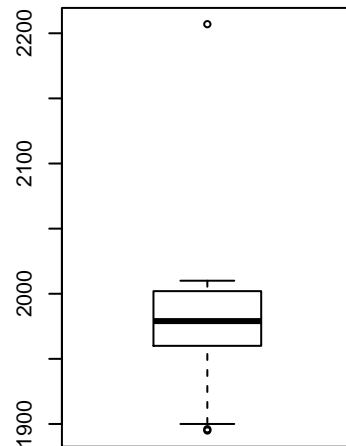
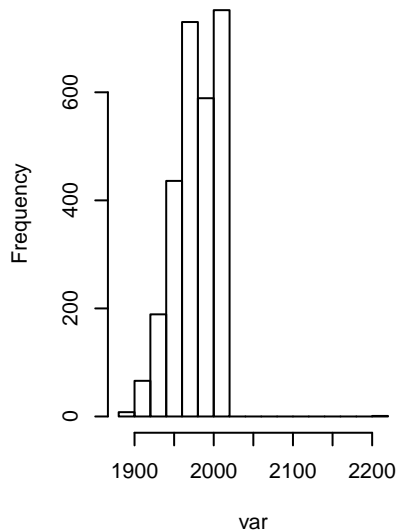
**number of distinct values: 7**



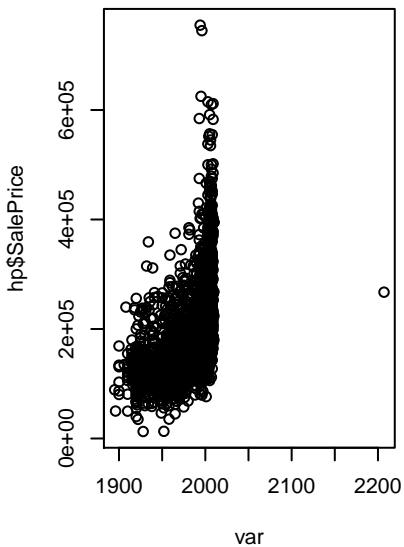
**Garage Yr Blt : double**  
na: 159 values: 1960 1961

**number of distinct values: 104**

**number of outliers: 3**

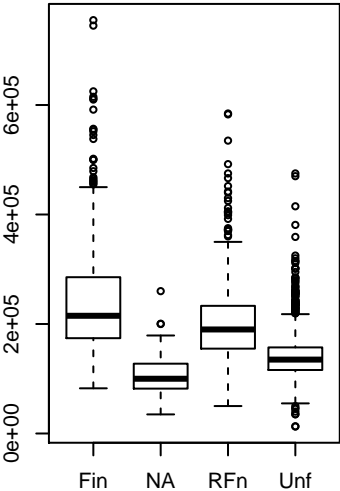
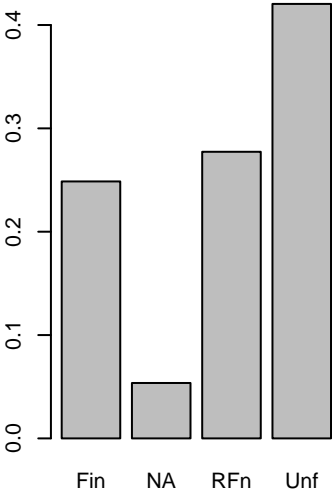


**corealtion dependent: NA**



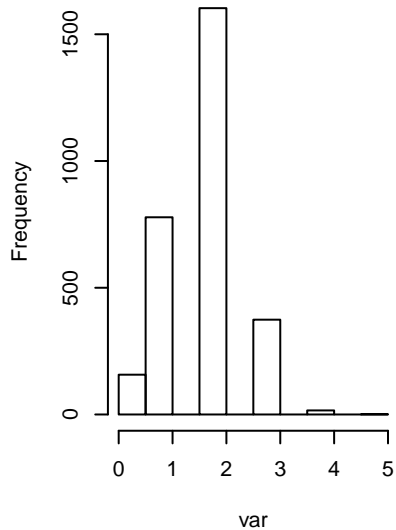
Garage Finish : character  
na: 2 values: Fin Unf

number of distinct values: 5

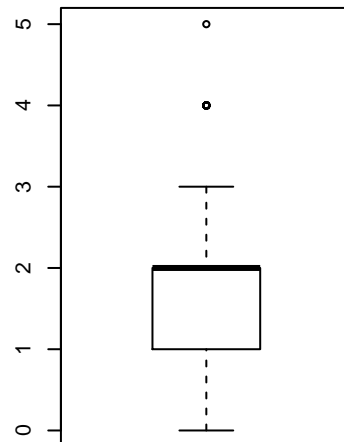


Garage Cars : double  
na: 1 values: 2 1

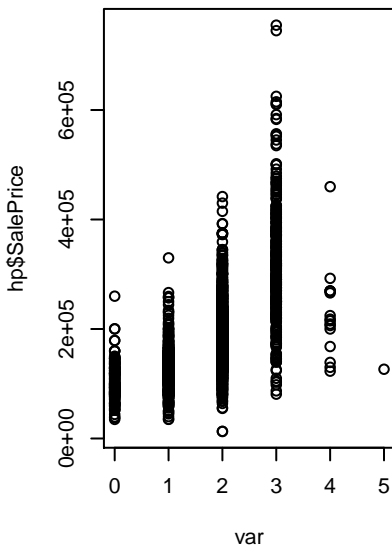
number of distinct values: 7



number of outliers: 17

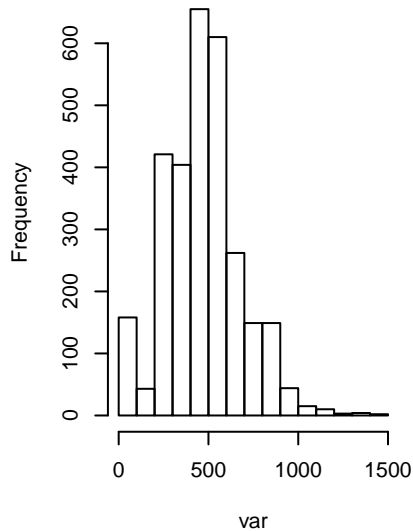


corealtion dependent: NA

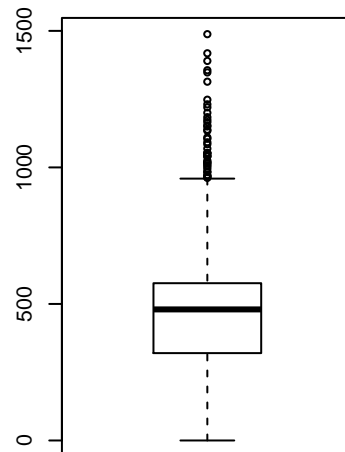


**Garage Area : double**  
na: 1 values: 528 730

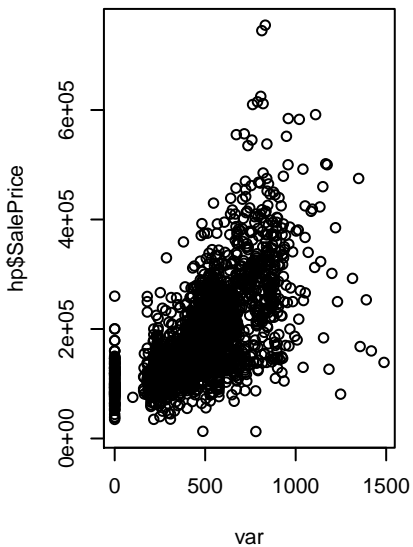
**number of distinct values: 604**



**number of outliers: 42**



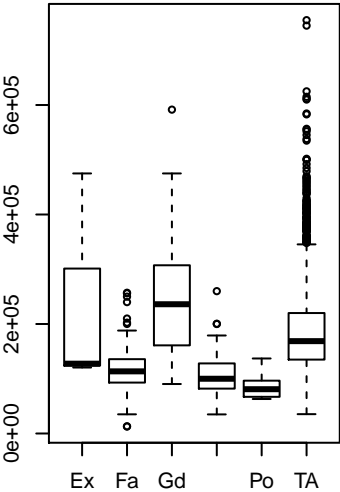
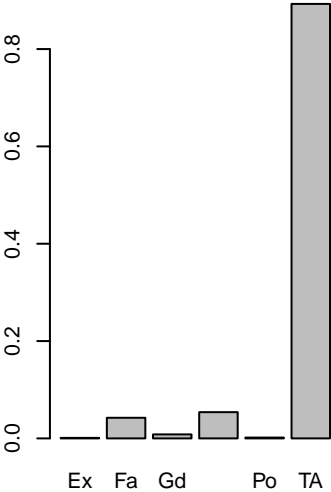
**corealtion dependent: NA**





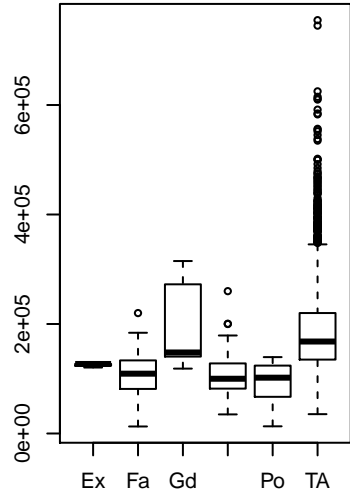
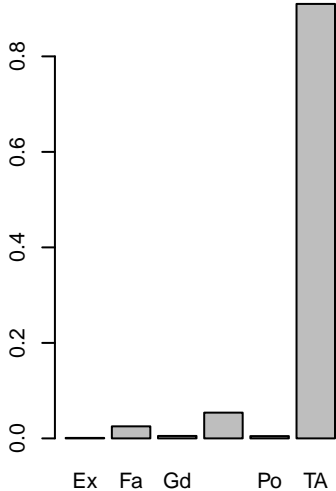
Garage Qual : character  
na: 1 values: TA TA

number of distinct values: 7



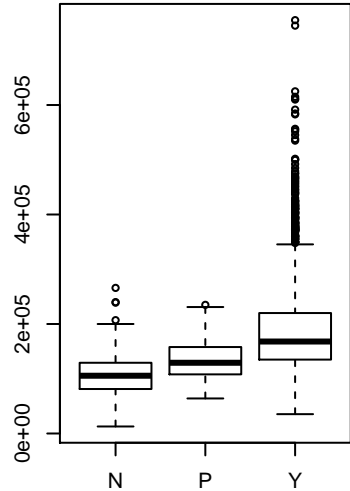
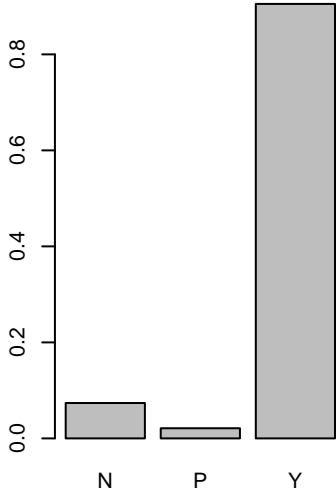
Garage Cond : character  
na: 1 values: TA TA

number of distinct values: 7



**Paved Drive : character**  
na: 0 values: P Y

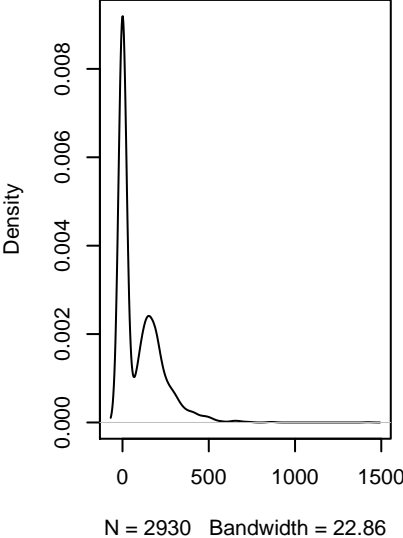
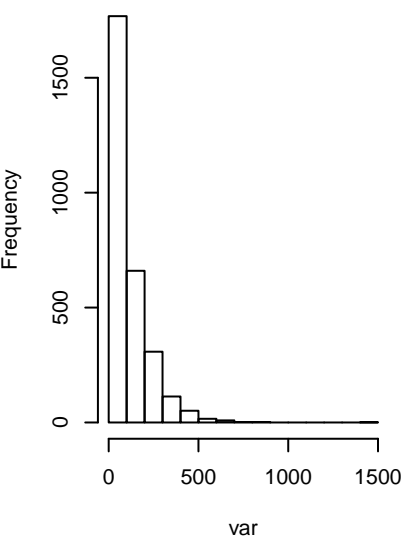
**number of distinct values: 3**



Wood Deck SF : double  
na: 0 values: 210 140

number of distinct values: 380

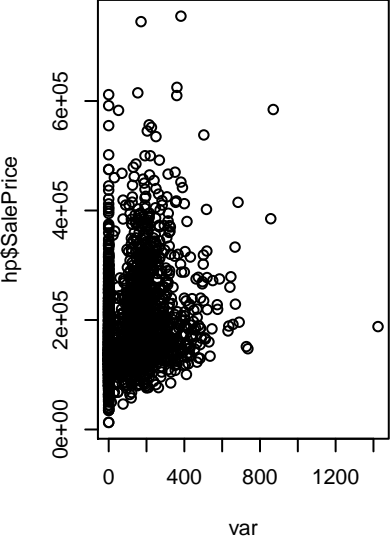
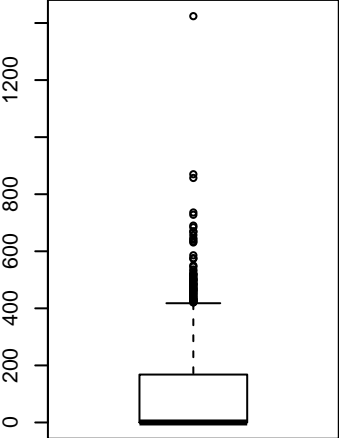
skewness: 1.84 kurtosis: 9.74



N = 2930 Bandwidth = 22.86

number of outliers: 67

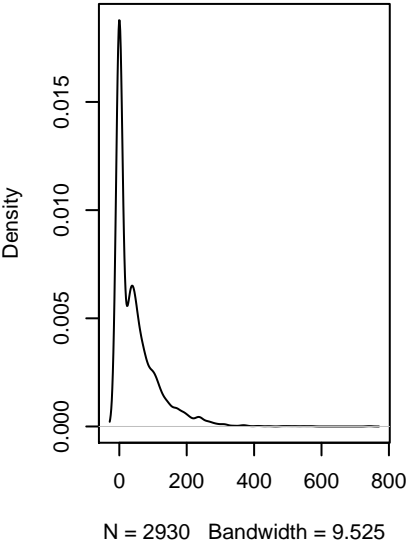
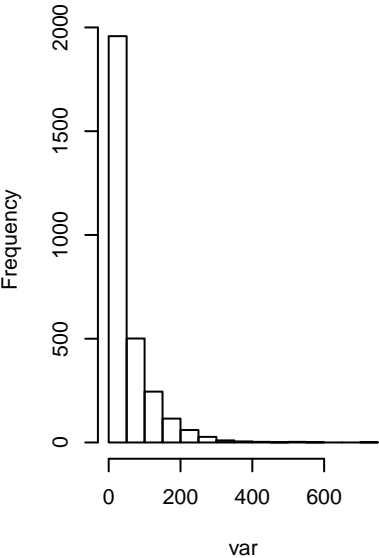
corealtion dependent: 0.33



**Open Porch SF : double**  
na: 0 values: 62 0

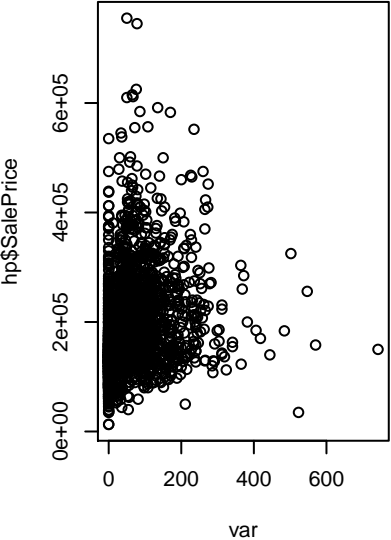
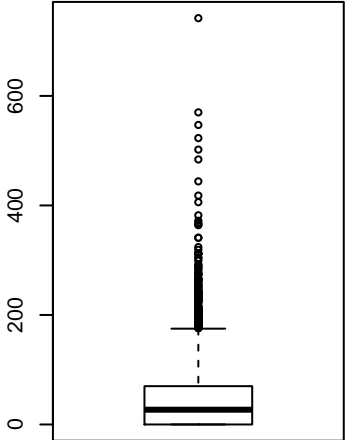
**number of distinct values: 252**

**skewness: 2.53 kurtosis: 13.93**



**number of outliers: 159**

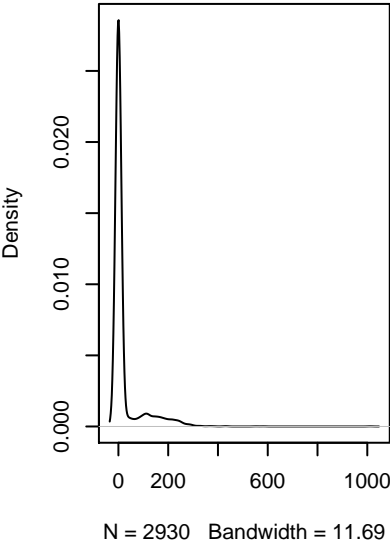
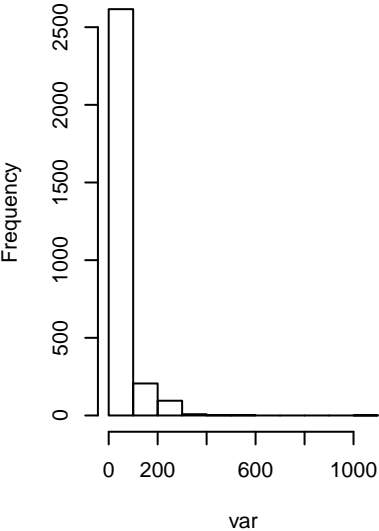
**corealtion dependent: 0.31**



**Enclosed Porch : double**  
na: 0 values: 0 0

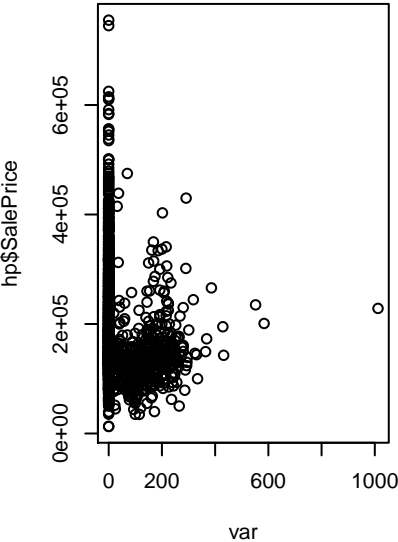
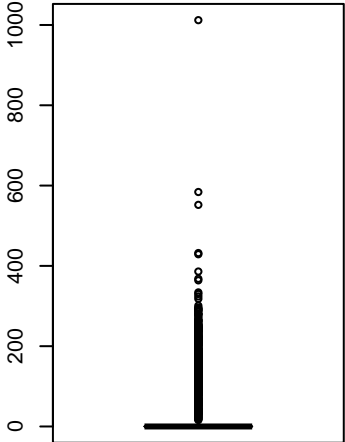
**number of distinct values: 183**

**skewness: 4.01 kurtosis: 31.44**



**number of outliers: 459**

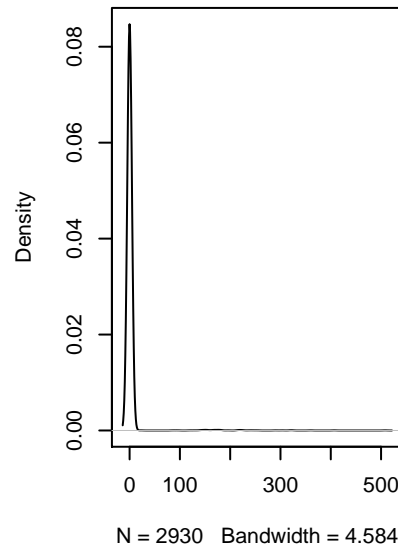
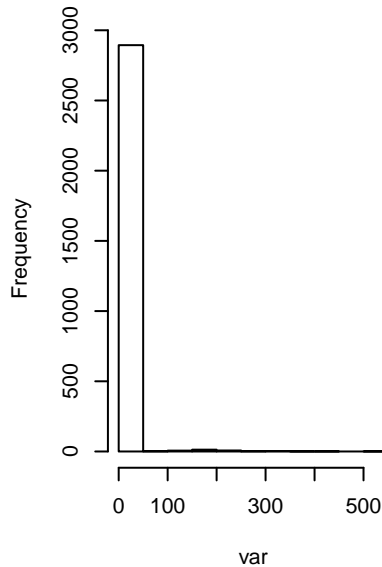
**corealtion dependent: -0.13**



**3Ssn Porch : double**  
na: 0 values: 0 0

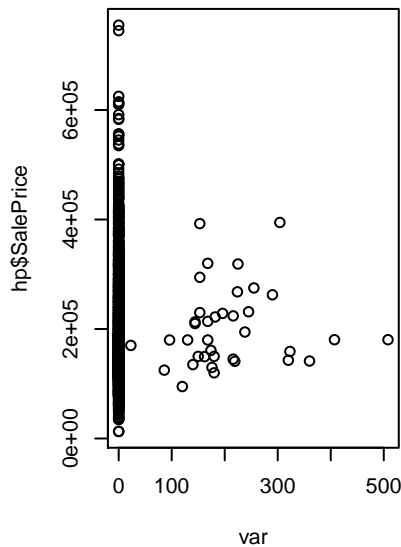
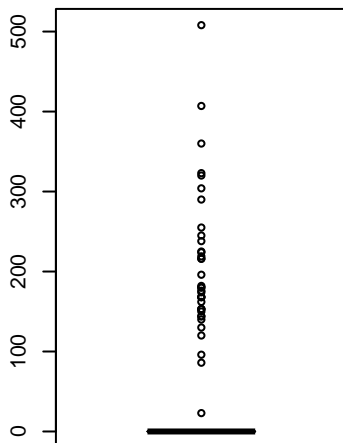
**number of distinct values: 31**

**skewness: 11.4 kurtosis: 152.7**



**number of outliers: 37**

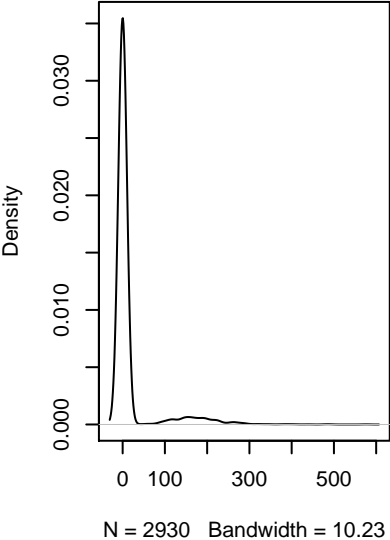
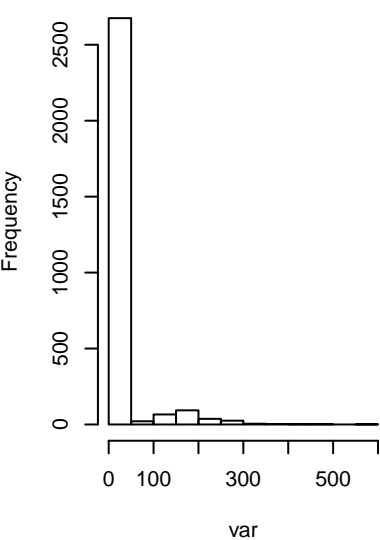
**corealtion dependent: 0.03**



Screen Porch : double  
na: 0 values: 0 120

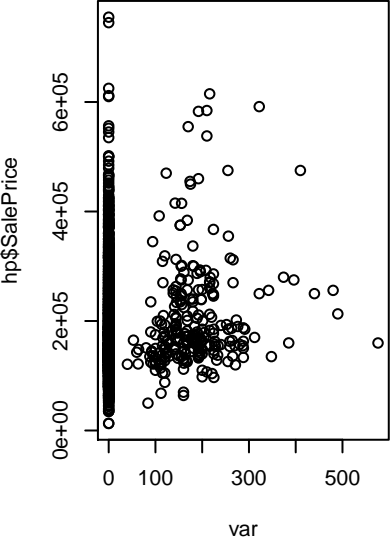
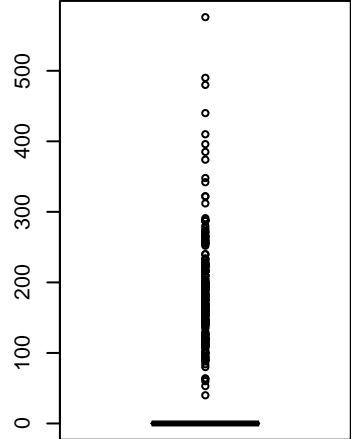
number of distinct values: 121

skewness: 3.96 kurtosis: 20.83



number of outliers: 256

corealtion dependent: 0.11

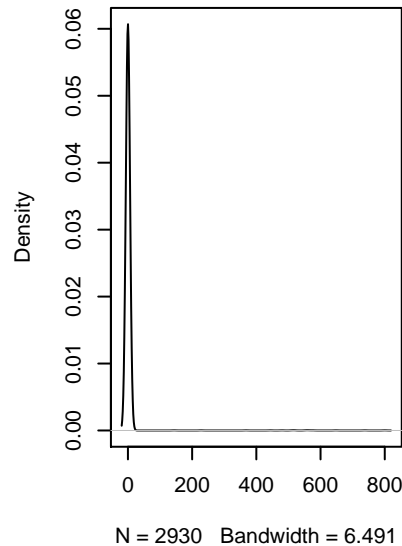
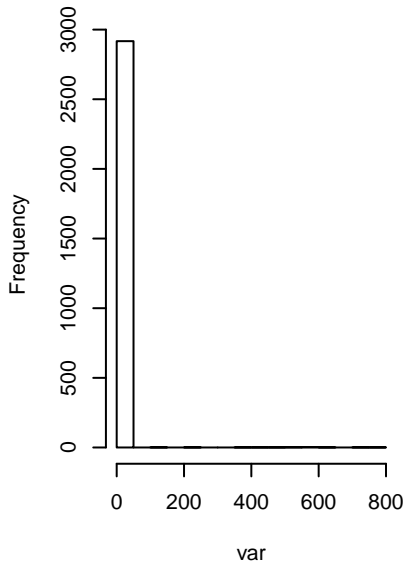




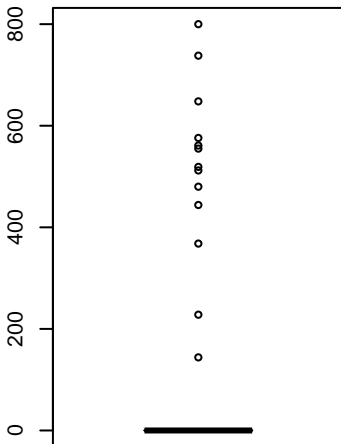
Pool Area : double  
na: 0 values: 0 0

number of distinct values: 14

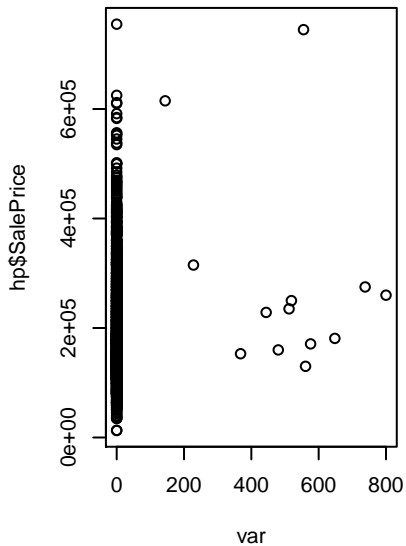
skewness: 16.93 kurtosis: 302.2



number of outliers: 13

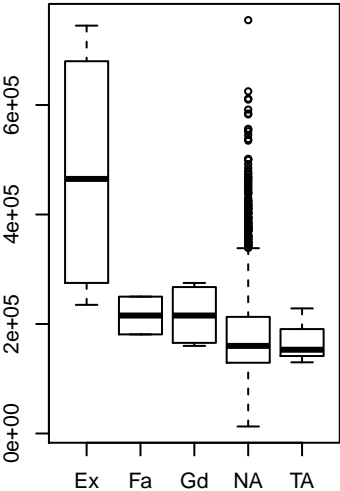
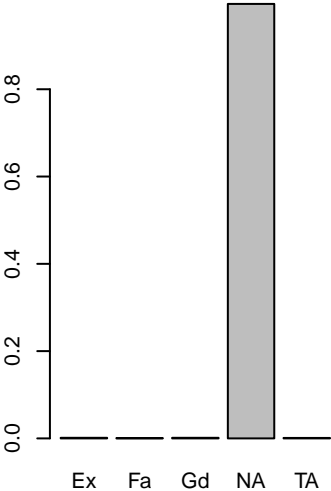


corealtion dependent: 0.07



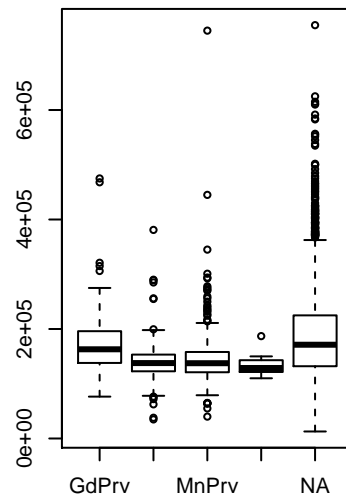
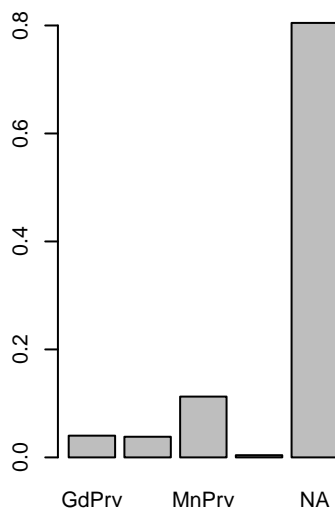
Pool QC : character  
na: 0 values: NA NA

number of distinct values: 5



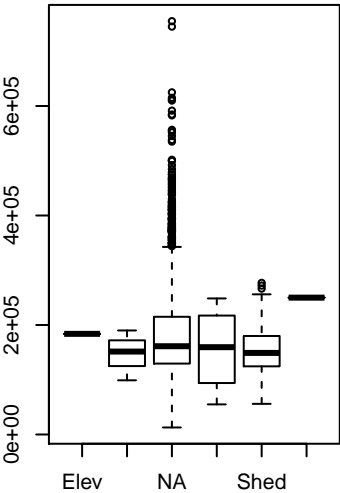
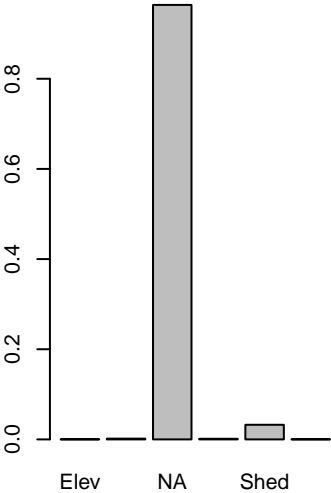
**Fence : character**  
na: 0 values: NA MnPrv

**number of distinct values: 5**



Misc Feature : character  
na: 0 values: NA NA

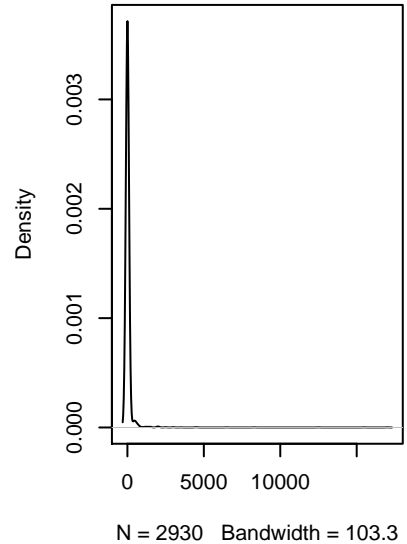
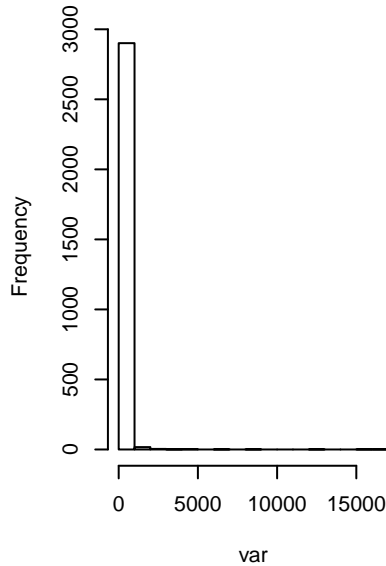
number of distinct values: 6



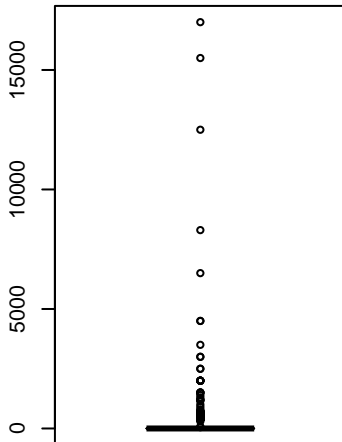
Misc Val : double  
na: 0 values: 0 0

number of distinct values: 38

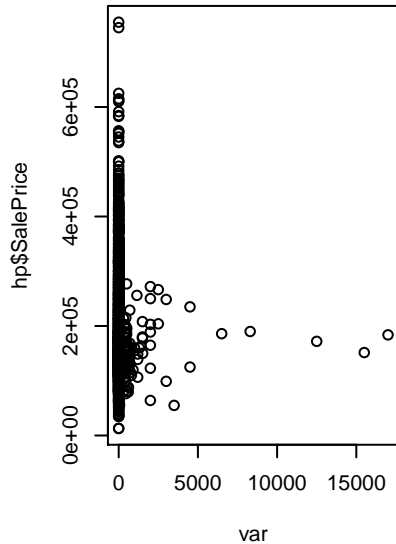
skewness: 21.99 kurtosis: 568.2



number of outliers: 103



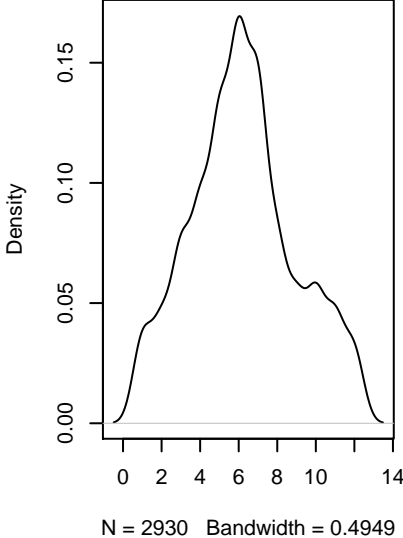
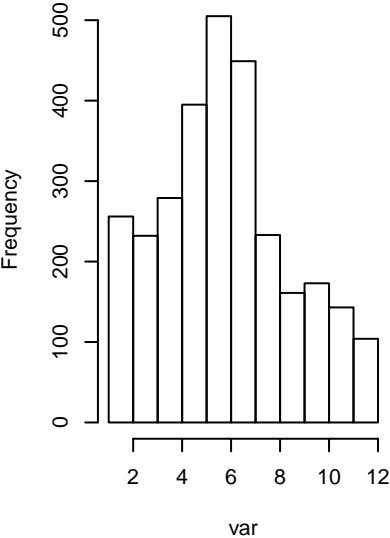
corealtion dependent: -0.02



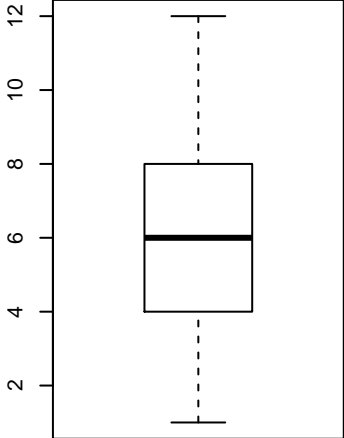
Mo Sold : double  
na: 0 values: 5 6

number of distinct values: 12

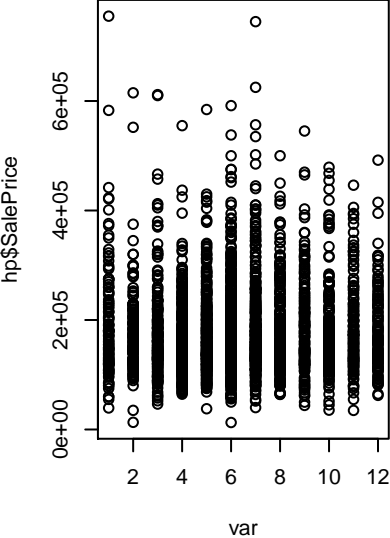
skewness: 0.19 kurtosis: 2.54



number of outliers: 0



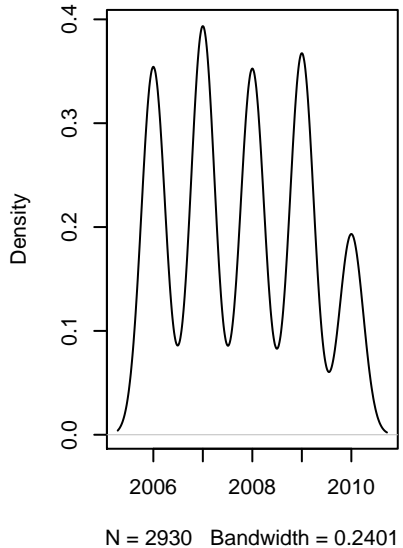
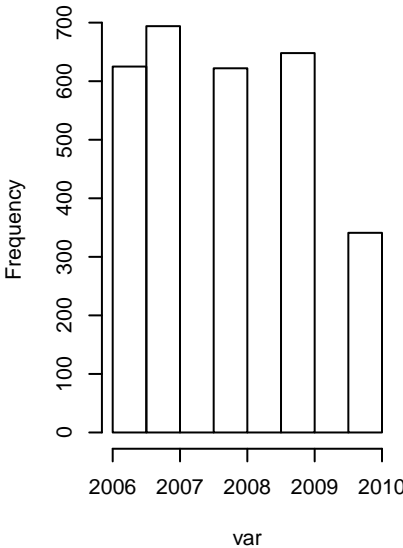
corealtion dependent: 0.04



Yr Sold : double  
na: 0 values: 2010 2010

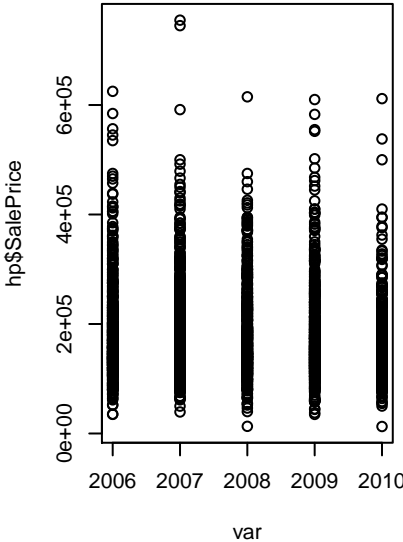
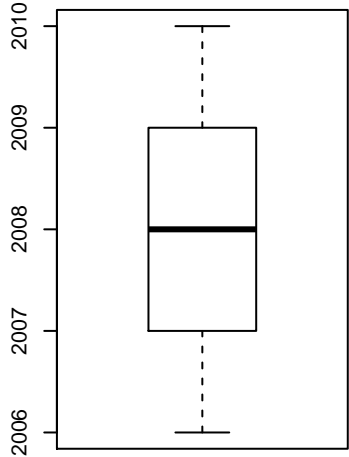
number of distinct values: 5

skewness: 0.13 kurtosis: 1.84



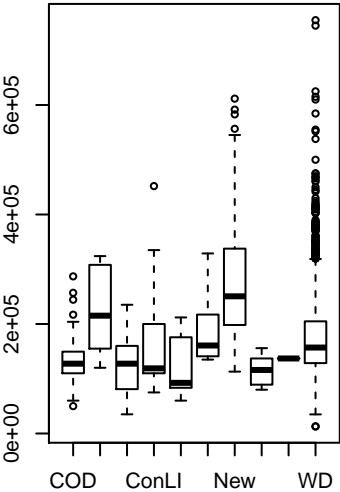
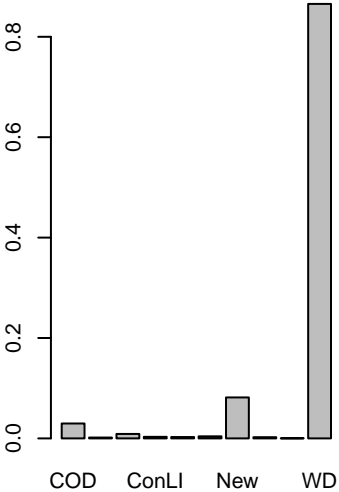
number of outliers: 0

corealtion dependent: -0.03



**Sale Type : character**  
na: 0 values: WD WD

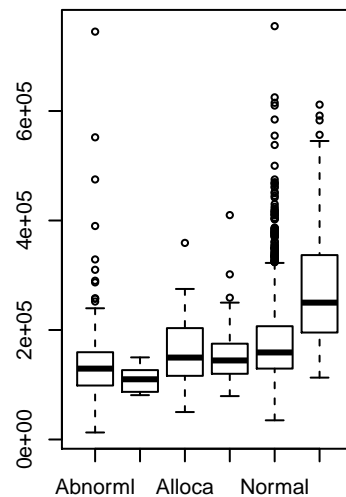
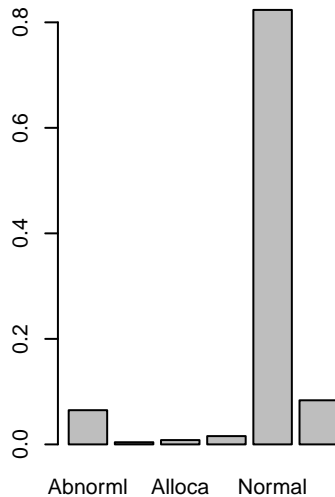
number of distinct values: 10



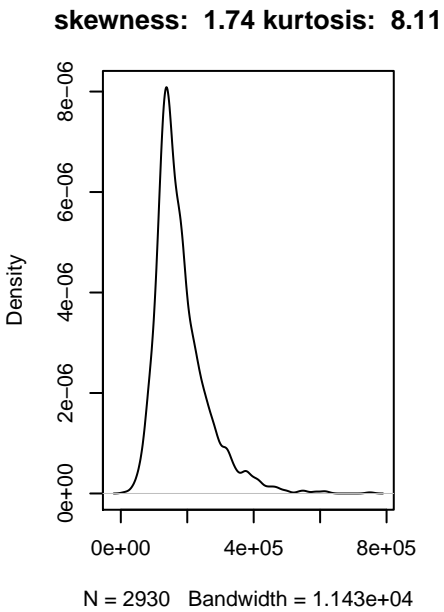
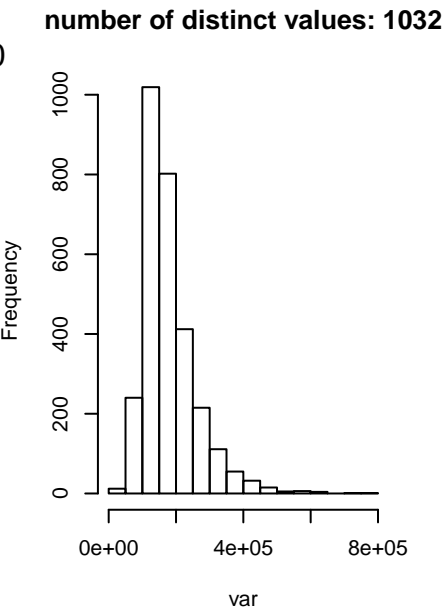


**Sale Condition : character**  
na: 0 values: Normal Normal

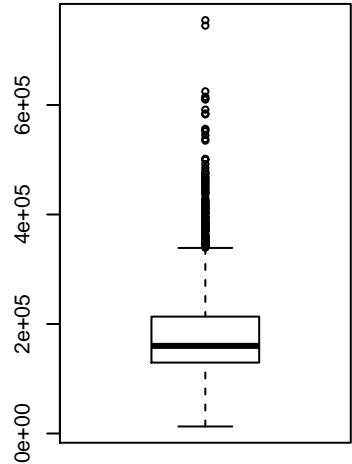
**number of distinct values: 6**



**SalePrice : double**  
na: 0 values: 215000 105000



**number of outliers: 137**



**corealtion dependent: 1**

