

# Data Cleaning

## Missing value imputation by Mean, Median

```
#Import libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

# Load Dataset
dataset_path = r"https://drive.google.com/uc?
export=download&id=1BiGZSedP4BIIuTbVTBod0hVgFImaz08c"
df = pd.read_csv(dataset_path)
```

```
df.shape
```

```
(1460, 81)
```

```
pd.set_option('display.max_columns',None)
```

```
pd.set_option('display.max_rows',None)
```

```
df.head(6)
```

	Id	MSSubClass	MSZoning	LotFrontage	LotArea	Street	Alley	LotShape
0	1	60	RL	65.0	8450	Pave	NaN	Reg
1	2	20	RL	80.0	9600	Pave	NaN	Reg
2	3	60	RL	68.0	11250	Pave	NaN	IR1
3	4	70	RL	60.0	9550	Pave	NaN	IR1
4	5	60	RL	84.0	14260	Pave	NaN	IR1
5	6	50	RL	85.0	14115	Pave	NaN	IR1

	LandContour	Utilities	LotConfig	LandSlope	Neighborhood	Condition1	\
0	Lvl	AllPub	Inside	Gtl	CollgCr	Norm	
1	Lvl	AllPub	FR2	Gtl	Veenker	Feedr	
2	Lvl	AllPub	Inside	Gtl	CollgCr	Norm	
3	Lvl	AllPub	Corner	Gtl	Crawfor	Norm	
4	Lvl	AllPub	FR2	Gtl	NoRidge	Norm	
5	Lvl	AllPub	Inside	Gtl	Mitchel	Norm	

	Condition2	BldgType	HouseStyle	OverallQual	OverallCond	YearBuilt	\
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0	Norm	1Fam	2Story	7	5	2003
1	Norm	1Fam	1Story	6	8	1976
2	Norm	1Fam	2Story	7	5	2001
3	Norm	1Fam	2Story	7	5	1915
4	Norm	1Fam	2Story	8	5	2000
5	Norm	1Fam	1.5Fin	5	5	1993
	YearRemodAdd	RoofStyle	RoofMatl	Exterior1st	Exterior2nd	MasVnrType
\						
0	2003	Gable	CompShg	VinylSd	VinylSd	BrkFace
1	1976	Gable	CompShg	MetalSd	MetalSd	None
2	2002	Gable	CompShg	VinylSd	VinylSd	BrkFace
3	1970	Gable	CompShg	Wd Sdng	Wd Shng	None
4	2000	Gable	CompShg	VinylSd	VinylSd	BrkFace
5	1995	Gable	CompShg	VinylSd	VinylSd	None
	MasVnrArea	ExterQual	ExterCond	Foundation	BsmtQual	BsmtCond
BsmtExposure \						
0	196.0	Gd	TA	PConc	Gd	TA
No						
1	0.0	TA	TA	CBlock	Gd	TA
Gd						
2	162.0	Gd	TA	PConc	Gd	TA
Mn						
3	0.0	TA	TA	BrkTil	TA	Gd
No						
4	350.0	Gd	TA	PConc	Gd	TA
Av						
5	0.0	TA	TA	Wood	Gd	TA
No						
	BsmtFinType1	BsmtFinSF1	BsmtFinType2	BsmtFinSF2	BsmtUnfSF	
TotalBsmtSF \						
0	GLQ	706	Unf	0	150	
856						
1	ALQ	978	Unf	0	284	
1262						
2	GLQ	486	Unf	0	434	
920						

3	ALQ	216	Unf	0	540
756					
4	GLQ	655	Unf	0	490
1145					
5	GLQ	732	Unf	0	64
796					

	Heating	HeatingQC	CentralAir	Electrical	1stFlrSF	2ndFlrSF
LowQualFinSF \						
0	GasA	Ex	Y	SBrkr	856	854
0						
1	GasA	Ex	Y	SBrkr	1262	0
0						
2	GasA	Ex	Y	SBrkr	920	866
0						
3	GasA	Gd	Y	SBrkr	961	756
0						
4	GasA	Ex	Y	SBrkr	1145	1053
0						
5	GasA	Ex	Y	SBrkr	796	566
0						

	GrLivArea	BsmtFullBath	BsmtHalfBath	FullBath	HalfBath
BedroomAbvGr \					
0	1710	1	0	2	1
3					
1	1262	0	1	2	0
3					
2	1786	1	0	2	1
3					
3	1717	1	0	1	0
3					
4	2198	1	0	2	1
4					
5	1362	1	0	1	1
1					

	KitchenAbvGr	KitchenQual	TotRmsAbvGrd	Functional	Fireplaces
FireplaceQu \					
0	1	Gd	8	Typ	0
NaN					
1	1	TA	6	Typ	1
TA					
2	1	Gd	6	Typ	1
TA					
3	1	Gd	7	Typ	1
Gd					
4	1	Gd	9	Typ	1
TA					
5	1	TA	5	Typ	0

NaN

	GarageType	GarageYrBlt	GarageFinish	GarageCars	GarageArea
GarageQual \					
0	Attchd	2003.0	RFn	2	548
TA					
1	Attchd	1976.0	RFn	2	460
TA					
2	Attchd	2001.0	RFn	2	608
TA					
3	Detchd	1998.0	Unf	3	642
TA					
4	Attchd	2000.0	RFn	3	836
TA					
5	Attchd	1993.0	Unf	2	480
TA					

	GarageCond	PavedDrive	WoodDeckSF	OpenPorchSF	EnclosedPorch
3SsnPorch \					
0	TA	Y	0	61	0
0					
1	TA	Y	298	0	0
0					
2	TA	Y	0	42	0
0					
3	TA	Y	0	35	272
0					
4	TA	Y	192	84	0
0					
5	TA	Y	40	30	0
320					

	ScreenPorch	PoolArea	PoolQC	Fence	MiscFeature	MiscVal	MoSold
YrSold \							
0	0	0	NaN	NaN	NaN	0	2
2008							
1	0	0	NaN	NaN	NaN	0	5
2007							
2	0	0	NaN	NaN	NaN	0	9
2008							
3	0	0	NaN	NaN	NaN	0	2
2006							
4	0	0	NaN	NaN	NaN	0	12
2008							
5	0	0	NaN	MnPrv	Shed	700	10
2009							

	SaleType	SaleCondition	SalePrice
0	WD	Normal	208500
1	WD	Normal	181500

2	WD	Normal	223500
3	WD	Abnorml	140000
4	WD	Normal	250000
5	WD	Normal	143000

```
df.tail(6)
```

	Id	MSSubClass	MSZoning	LotFrontage	LotArea	Street	Alley
LotShape \							
1454	1455	20	FV	62.0	7500	Pave	Pave
Reg							
1455	1456	60	RL	62.0	7917	Pave	NaN
Reg							
1456	1457	20	RL	85.0	13175	Pave	NaN
Reg							
1457	1458	70	RL	66.0	9042	Pave	NaN
Reg							
1458	1459	20	RL	68.0	9717	Pave	NaN
Reg							
1459	1460	20	RL	75.0	9937	Pave	NaN
Reg							

	LandContour	Utilities	LotConfig	LandSlope	Neighborhood	Condition1
\						
1454	Lvl	AllPub	Inside	Gtl	Somerst	Norm
1455	Lvl	AllPub	Inside	Gtl	Gilbert	Norm
1456	Lvl	AllPub	Inside	Gtl	NWAmes	Norm
1457	Lvl	AllPub	Inside	Gtl	Crawfor	Norm
1458	Lvl	AllPub	Inside	Gtl	NAmes	Norm
1459	Lvl	AllPub	Inside	Gtl	Edwards	Norm

	Condition2	BldgType	HouseStyle	OverallQual	OverallCond
YearBuilt \					
1454	Norm	1Fam	1Story	7	5
2004					
1455	Norm	1Fam	2Story	6	5
1999					
1456	Norm	1Fam	1Story	6	6
1978					
1457	Norm	1Fam	2Story	7	9
1941					
1458	Norm	1Fam	1Story	5	6
1950					
1459	Norm	1Fam	1Story	5	6

1965

	YearRemodAdd	RoofStyle	RoofMatl	Exterior1st	Exterior2nd
MasVnrType \					
1454	2005	Gable	CompShg	VinylSd	VinylSd
None					
1455	2000	Gable	CompShg	VinylSd	VinylSd
None					
1456	1988	Gable	CompShg	Plywood	Plywood
Stone					
1457	2006	Gable	CompShg	CemntBd	CmentBd
None					
1458	1996	Hip	CompShg	MetalSd	MetalSd
None					
1459	1965	Gable	CompShg	HdBoard	HdBoard
None					

	MasVnrArea	ExterQual	ExterCond	Foundation	BsmtQual	BsmtCond	\
1454	0.0	Gd	TA	PConc	Gd	TA	
1455	0.0	TA	TA	PConc	Gd	TA	
1456	119.0	TA	TA	CBlock	Gd	TA	
1457	0.0	Ex	Gd	Stone	TA	Gd	
1458	0.0	TA	TA	CBlock	TA	TA	
1459	0.0	Gd	TA	CBlock	TA	TA	

	BsmtExposure	BsmtFinType1	BsmtFinSF1	BsmtFinType2	BsmtFinSF2	\
1454	No	GLQ	410	Unf	0	
1455	No	Unf	0	Unf	0	
1456	No	ALQ	790	Rec	163	
1457	No	GLQ	275	Unf	0	
1458	Mn	GLQ	49	Rec	1029	
1459	No	BLQ	830	LwQ	290	

	BsmtUnfSF	TotalBsmtSF	Heating	HeatingQC	CentralAir	
Electrical \						
1454	811	1221	GasA	Ex	Y	SBrkr
1455	953	953	GasA	Ex	Y	SBrkr
1456	589	1542	GasA	TA	Y	SBrkr
1457	877	1152	GasA	Ex	Y	SBrkr
1458	0	1078	GasA	Gd	Y	FuseA
1459	136	1256	GasA	Gd	Y	SBrkr

	1stFlrSF	2ndFlrSF	LowQualFinSF	GrLivArea	BsmtFullBath	
BsmtHalfBath \						

1454	1221	0	0	1221	1
0					
1455	953	694	0	1647	0
0					
1456	2073	0	0	2073	1
0					
1457	1188	1152	0	2340	0
0					
1458	1078	0	0	1078	1
0					
1459	1256	0	0	1256	1
0					

	FullBath	HalfBath	BedroomAbvGr	KitchenAbvGr	KitchenQual	\
1454	2	0	2	1	Gd	
1455	2	1	3	1	TA	
1456	2	0	3	1	TA	
1457	2	0	4	1	Gd	
1458	1	0	2	1	Gd	
1459	1	1	3	1	TA	

	TotRmsAbvGrd	Functional	Fireplaces	FireplaceQu	GarageType
GarageYrBlt	\				
1454	6	Typ	0	NaN	Attchd
2004.0					
1455	7	Typ	1	TA	Attchd
1999.0					
1456	7	Min1	2	TA	Attchd
1978.0					
1457	9	Typ	2	Gd	Attchd
1941.0					
1458	5	Typ	0	NaN	Attchd
1950.0					
1459	6	Typ	0	NaN	Attchd
1965.0					

	GarageFinish	GarageCars	GarageArea	GarageQual	GarageCond
PavedDrive	\				
1454	RFn	2	400	TA	TA
Y					
1455	RFn	2	460	TA	TA
Y					
1456	Unf	2	500	TA	TA
Y					
1457	RFn	1	252	TA	TA
Y					
1458	Unf	1	240	TA	TA
Y					
1459	Fin	1	276	TA	TA
Y					

	WoodDeckSF	OpenPorchSF	EnclosedPorch	3SsnPorch	
ScreenPorch \					
1454	0	113	0	0	0
1455	0	40	0	0	0
1456	349	0	0	0	0
1457	0	60	0	0	0
1458	366	0	112	0	0
1459	736	68	0	0	0

	PoolArea	PoolQC	Fence	MiscFeature	MiscVal	MoSold	YrSold
SaleType \							
1454	0	NaN	NaN	NaN	0	10	2009
WD							
1455	0	NaN	NaN	NaN	0	8	2007
WD							
1456	0	NaN	MnPrv	NaN	0	2	2010
WD							
1457	0	NaN	GdPrv	Shed	2500	5	2010
WD							
1458	0	NaN	NaN	NaN	0	4	2010
WD							
1459	0	NaN	NaN	NaN	0	6	2008
WD							

	SaleCondition	SalePrice
1454	Normal	185000
1455	Normal	175000
1456	Normal	210000
1457	Normal	266500
1458	Normal	142125
1459	Normal	147500

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1460 entries, 0 to 1459
Data columns (total 81 columns):
Id                1460 non-null int64
MSSubClass        1460 non-null int64
MSZoning          1460 non-null object
LotFrontage       1201 non-null float64
LotArea           1460 non-null int64
Street            1460 non-null object
Alley             91 non-null object
```



LotShape	1460	non-null	object
LandContour	1460	non-null	object
Utilities	1460	non-null	object
LotConfig	1460	non-null	object
LandSlope	1460	non-null	object
Neighborhood	1460	non-null	object
Condition1	1460	non-null	object
Condition2	1460	non-null	object
BldgType	1460	non-null	object
HouseStyle	1460	non-null	object
OverallQual	1460	non-null	int64
OverallCond	1460	non-null	int64
YearBuilt	1460	non-null	int64
YearRemodAdd	1460	non-null	int64
RoofStyle	1460	non-null	object
RoofMatl	1460	non-null	object
Exterior1st	1460	non-null	object
Exterior2nd	1460	non-null	object
MasVnrType	1452	non-null	object
MasVnrArea	1452	non-null	float64
ExterQual	1460	non-null	object
ExterCond	1460	non-null	object
Foundation	1460	non-null	object
BsmtQual	1423	non-null	object
BsmtCond	1423	non-null	object
BsmtExposure	1422	non-null	object
BsmtFinType1	1423	non-null	object
BsmtFinSF1	1460	non-null	int64
BsmtFinType2	1422	non-null	object
BsmtFinSF2	1460	non-null	int64
BsmtUnfSF	1460	non-null	int64
TotalBsmtSF	1460	non-null	int64
Heating	1460	non-null	object
HeatingQC	1460	non-null	object
CentralAir	1460	non-null	object
Electrical	1459	non-null	object
1stFlrSF	1460	non-null	int64
2ndFlrSF	1460	non-null	int64
LowQualFinSF	1460	non-null	int64
GrLivArea	1460	non-null	int64
BsmtFullBath	1460	non-null	int64
BsmtHalfBath	1460	non-null	int64
FullBath	1460	non-null	int64
HalfBath	1460	non-null	int64
BedroomAbvGr	1460	non-null	int64
KitchenAbvGr	1460	non-null	int64
KitchenQual	1460	non-null	object
TotRmsAbvGrd	1460	non-null	int64
Functional	1460	non-null	object

```

Fireplaces      1460 non-null int64
FireplaceQu     770 non-null object
GarageType      1379 non-null object
GarageYrBlt     1379 non-null float64
GarageFinish    1379 non-null object
GarageCars      1460 non-null int64
GarageArea      1460 non-null int64
GarageQual      1379 non-null object
GarageCond      1379 non-null object
PavedDrive      1460 non-null object
WoodDeckSF     1460 non-null int64
OpenPorchSF     1460 non-null int64
EnclosedPorch   1460 non-null int64
3SsnPorch       1460 non-null int64
ScreenPorch     1460 non-null int64
PoolArea        1460 non-null int64
PoolQC          7 non-null object
Fence           281 non-null object
MiscFeature     54 non-null object
MiscVal         1460 non-null int64
MoSold          1460 non-null int64
YrSold          1460 non-null int64
SaleType        1460 non-null object
SaleCondition   1460 non-null object
SalePrice       1460 non-null int64
dtypes: float64(3), int64(35), object(43)
memory usage: 924.0+ KB

```

```
df.isnull().sum()
```

```

Id              0
MSSubClass      0
MSZoning        0
LotFrontage    259
LotArea         0
Street         0
Alley          1369
LotShape        0
LandContour     0
Utilities       0
LotConfig       0
LandSlope       0
Neighborhood    0
Condition1      0
Condition2      0
BldgType        0
HouseStyle      0
OverallQual     0
OverallCond     0
YearBuilt       0

```

YearRemodAdd	0
RoofStyle	0
RoofMatl	0
Exterior1st	0
Exterior2nd	0
MasVnrType	8
MasVnrArea	8
ExterQual	0
ExterCond	0
Foundation	0
BsmtQual	37
BsmtCond	37
BsmtExposure	38
BsmtFinType1	37
BsmtFinSF1	0
BsmtFinType2	38
BsmtFinSF2	0
BsmtUnfSF	0
TotalBsmtSF	0
Heating	0
HeatingQC	0
CentralAir	0
Electrical	1
1stFlrSF	0
2ndFlrSF	0
LowQualFinSF	0
GrLivArea	0
BsmtFullBath	0
BsmtHalfBath	0
FullBath	0
HalfBath	0
BedroomAbvGr	0
KitchenAbvGr	0
KitchenQual	0
TotRmsAbvGrd	0
Functional	0
Fireplaces	0
FireplaceQu	690
GarageType	81
GarageYrBlt	81
GarageFinish	81
GarageCars	0
GarageArea	0
GarageQual	81
GarageCond	81
PavedDrive	0
WoodDeckSF	0
OpenPorchSF	0
EnclosedPorch	0

```
3SsnPorch      0
ScreenPorch     0
PoolArea       0
PoolQC         1453
Fence          1179
MiscFeature    1406
MiscVal        0
MoSold         0
YrSold         0
SaleType       0
SaleCondition  0
SalePrice      0
dtype: int64
```

```
missing_value_per = df.isnull().sum()/df.shape[0] * 100
missing_value_per
```

```
Id              0.000000
MSSubClass     0.000000
MSZoning       0.000000
LotFrontage    17.739726
LotArea        0.000000
Street         0.000000
Alley          93.767123
LotShape       0.000000
LandContour    0.000000
Utilities      0.000000
LotConfig      0.000000
LandSlope      0.000000
Neighborhood   0.000000
Condition1     0.000000
Condition2     0.000000
BldgType       0.000000
HouseStyle     0.000000
OverallQual    0.000000
OverallCond    0.000000
YearBuilt      0.000000
YearRemodAdd   0.000000
RoofStyle      0.000000
RoofMatl       0.000000
Exterior1st    0.000000
Exterior2nd    0.000000
MasVnrType     0.547945
MasVnrArea     0.547945
ExterQual      0.000000
ExterCond      0.000000
Foundation     0.000000
BsmtQual       2.534247
BsmtCond       2.534247
BsmtExposure   2.602740
```

BsmtFinType1	2.534247
BsmtFinSF1	0.000000
BsmtFinType2	2.602740
BsmtFinSF2	0.000000
BsmtUnfSF	0.000000
TotalBsmtSF	0.000000
Heating	0.000000
HeatingQC	0.000000
CentralAir	0.000000
Electrical	0.068493
1stFlrSF	0.000000
2ndFlrSF	0.000000
LowQualFinSF	0.000000
GrLivArea	0.000000
BsmtFullBath	0.000000
BsmtHalfBath	0.000000
FullBath	0.000000
HalfBath	0.000000
BedroomAbvGr	0.000000
KitchenAbvGr	0.000000
KitchenQual	0.000000
TotRmsAbvGrd	0.000000
Functional	0.000000
Fireplaces	0.000000
FireplaceQu	47.260274
GarageType	5.547945
GarageYrBlt	5.547945
GarageFinish	5.547945
GarageCars	0.000000
GarageArea	0.000000
GarageQual	5.547945
GarageCond	5.547945
PavedDrive	0.000000
WoodDeckSF	0.000000
OpenPorchSF	0.000000
EnclosedPorch	0.000000
3SsnPorch	0.000000
ScreenPorch	0.000000
PoolArea	0.000000
PoolQC	99.520548
Fence	80.753425
MiscFeature	96.301370
MiscVal	0.000000
MoSold	0.000000
YrSold	0.000000
SaleType	0.000000
SaleCondition	0.000000
SalePrice	0.000000

dtype: float64

```

missing_value_clm_gre_20 = missing_value_per[missing_value_per >
20].keys()
missing_value_clm_gre_20

Index(['Alley', 'FireplaceQu', 'PoolQC', 'Fence', 'MiscFeature'],
dtype='object')

df2_drop_clm = df.drop(columns=missing_value_clm_gre_20)
df2_drop_clm.shape

(1460, 76)

df3_num=df2_drop_clm.select_dtypes(include=['int64','float64'])
df3_num.head()

```

	Id	MSSubClass	LotFrontage	LotArea	OverallQual	OverallCond
YearBuilt \						
0	1	60	65.0	8450	7	5
2003						
1	2	20	80.0	9600	6	8
1976						
2	3	60	68.0	11250	7	5
2001						
3	4	70	60.0	9550	7	5
1915						
4	5	60	84.0	14260	8	5
2000						

	YearRemodAdd	MasVnrArea	BsmtFinSF1	BsmtFinSF2	BsmtUnfSF
TotalBsmtSF \					
0	2003	196.0	706	0	150
856					
1	1976	0.0	978	0	284
1262					
2	2002	162.0	486	0	434
920					
3	1970	0.0	216	0	540
756					
4	2000	350.0	655	0	490
1145					

	1stFlrSF	2ndFlrSF	LowQualFinSF	GrLivArea	BsmtFullBath
BsmtHalfBath \					
0	856	854	0	1710	1
0					
1	1262	0	0	1262	0
1					
2	920	866	0	1786	1
0					
3	961	756	0	1717	1

```

0
4      1145      1053          0      2198          1
0

    FullBath  HalfBath  BedroomAbvGr  KitchenAbvGr  TotRmsAbvGrd
Fireplaces  \
0          2          1          3          1          8
0
1          2          0          3          1          6
1
2          2          1          3          1          6
1
3          1          0          3          1          7
1
4          2          1          4          1          9
1

    GarageYrBlt  GarageCars  GarageArea  WoodDeckSF  OpenPorchSF  \
0      2003.0          2          548          0          61
1      1976.0          2          460         298          0
2      2001.0          2          608          0          42
3      1998.0          3          642          0          35
4      2000.0          3          836         192          84

    EnclosedPorch  3SsnPorch  ScreenPorch  PoolArea  MiscVal  MoSold
YrSold  \
0          0          0          0          0          0          2
2008
1          0          0          0          0          0          5
2007
2          0          0          0          0          0          9
2008
3         272          0          0          0          0          2
2006
4          0          0          0          0          0         12
2008

    SalePrice
0      208500
1      181500
2      223500
3      140000
4      250000

```

```

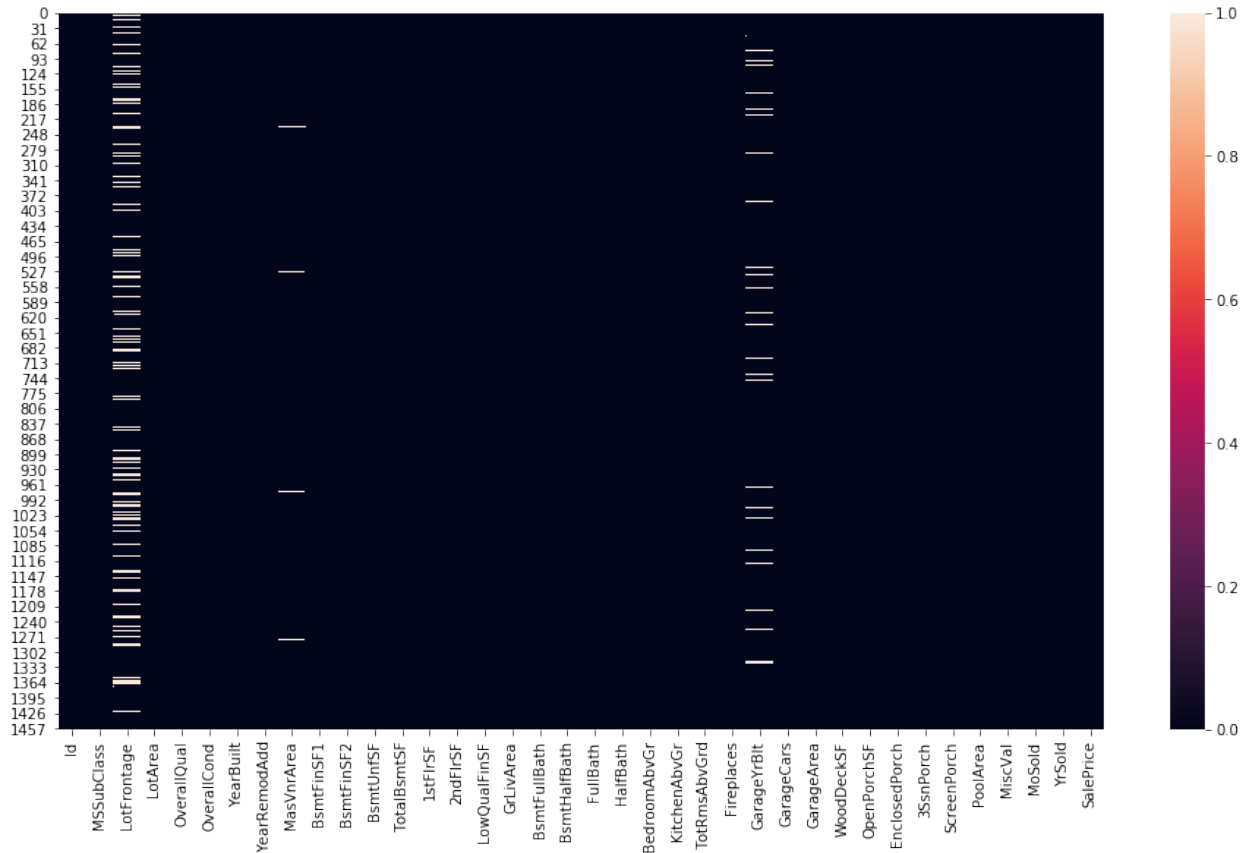
plt.figure(figsize=(16,9))
sns.heatmap(df3_num.isnull())

```

```

<matplotlib.axes._subplots.AxesSubplot at 0x1eda8592f98>

```



```
df3_num[df3_num.isnull().any(axis=1)]
```

\	Id	MSSubClass	LotFrontage	LotArea	OverallQual	OverallCond
7	8	60	NaN	10382	7	6
12	13	20	NaN	12968	5	6
14	15	20	NaN	10920	6	5
16	17	20	NaN	11241	6	7
24	25	20	NaN	8246	5	8
31	32	20	NaN	8544	5	6
39	40	90	65.0	6040	4	5
42	43	85	NaN	9180	5	7
43	44	20	NaN	9200	5	6
48	49	190	33.0	4456	4	5



50	51	60	NaN	13869	6	6
64	65	60	NaN	9375	7	5
66	67	20	NaN	19900	7	5
76	77	20	NaN	8475	4	7
78	79	90	72.0	10778	4	5
84	85	80	NaN	8530	7	5
88	89	50	105.0	8470	3	2
89	90	20	60.0	8070	4	5
95	96	60	NaN	9765	6	8
99	100	20	77.0	9320	4	5
100	101	20	NaN	10603	6	7
104	105	50	NaN	7758	7	4
108	109	50	85.0	8500	5	7
111	112	80	NaN	7750	7	5
113	114	20	NaN	21000	6	5
116	117	20	NaN	11616	5	5
120	121	80	NaN	21453	6	5
125	126	190	60.0	6780	6	8
126	127	120	NaN	4928	6	5
127	128	45	55.0	4388	5	7
131	132	60	NaN	12224	6	5
133	134	20	NaN	6853	8	5
136	137	20	NaN	10355	5	5
140	141	20	70.0	10500	4	5
147	148	60	NaN	9505	7	5
148	149	20	63.0	7500	7	5

149	150	50	NaN	6240	5	4
152	153	60	NaN	14803	6	5
153	154	20	NaN	13500	6	7
155	156	50	60.0	9600	6	5
160	161	20	NaN	11120	6	6
163	164	45	55.0	5500	4	6
165	166	190	62.0	10106	5	7
166	167	20	NaN	10708	5	5
169	170	20	NaN	16669	8	6
170	171	50	NaN	12358	5	6
177	178	50	NaN	13650	5	5
180	181	160	NaN	2117	6	5
186	187	80	NaN	9947	7	5
191	192	60	NaN	7472	7	9
198	199	75	92.0	5520	6	6
203	204	120	NaN	4438	6	5
207	208	20	NaN	12493	4	5
208	209	60	NaN	14364	7	5
210	211	30	67.0	5604	5	6
214	215	60	NaN	10900	6	7
218	219	50	NaN	15660	7	9
221	222	60	NaN	8068	6	5
234	235	60	NaN	7851	6	5
237	238	60	NaN	9453	7	7
241	242	30	40.0	3880	5	9
244	245	60	NaN	8880	7	5

249	250	50	NaN	159000	6	7
250	251	30	55.0	5350	3	2
269	270	20	NaN	7917	6	7
287	288	20	NaN	8125	4	4
288	289	20	NaN	9819	5	5
291	292	190	55.0	5687	5	6
293	294	60	NaN	16659	7	7
307	308	50	NaN	7920	6	7
308	309	30	NaN	12342	4	5
310	311	60	NaN	7685	6	5
319	320	80	NaN	14115	7	5
328	329	75	NaN	11888	6	6
330	331	90	NaN	10624	5	4
335	336	190	NaN	164660	5	6
342	343	90	NaN	8544	3	4
346	347	20	NaN	12772	6	8
347	348	20	NaN	17600	6	5
351	352	120	NaN	5271	7	5
356	357	20	NaN	9248	6	6
360	361	85	NaN	7540	6	6
361	362	50	NaN	9144	5	5
364	365	60	NaN	18800	6	5
366	367	20	NaN	9500	6	5
369	370	20	NaN	9830	5	7
370	371	60	NaN	8121	6	5
375	376	30	NaN	10020	1	1

384	385	60	NaN	53107	6	5
386	387	50	58.0	8410	5	3
392	393	20	NaN	8339	5	7
393	394	30	NaN	7446	4	5
404	405	60	NaN	10364	6	5
405	406	20	NaN	9991	4	4
412	413	20	NaN	4403	7	5
421	422	20	NaN	16635	6	7
426	427	80	NaN	12800	7	5
431	432	50	60.0	5586	6	7
434	435	180	21.0	1890	4	7
441	442	90	92.0	12108	4	4
447	448	60	NaN	11214	7	5
452	453	60	NaN	9303	6	5
457	458	20	NaN	53227	4	6
458	459	70	NaN	5100	8	7
459	460	50	NaN	7015	5	4
464	465	20	60.0	8430	5	5
465	466	120	NaN	3072	7	5
470	471	120	NaN	6820	8	5
484	485	20	NaN	7758	5	7
490	491	160	NaN	2665	5	6
495	496	30	60.0	7879	4	5
496	497	20	NaN	12692	8	5
516	517	80	NaN	10448	6	6
518	519	60	NaN	9531	6	5

520	521	190	60.0	10800	4	7
528	529	30	58.0	9098	4	7
529	530	20	NaN	32668	6	3
533	534	20	50.0	5000	1	3
535	536	190	70.0	7000	5	7
537	538	20	NaN	12735	4	5
538	539	20	NaN	11553	5	5
539	540	20	NaN	11423	8	5
541	542	60	NaN	11000	8	5
545	546	50	NaN	13837	7	5
559	560	120	NaN	3196	7	5
560	561	20	NaN	11341	5	6
562	563	30	63.0	13907	5	6
564	565	60	NaN	13346	7	5
569	570	90	NaN	7032	5	5
580	581	20	NaN	14585	6	6
582	583	90	81.0	11841	6	5
593	594	120	NaN	4435	6	5
610	611	60	NaN	11050	9	5
611	612	80	NaN	10395	6	6
612	613	60	NaN	11885	8	5
613	614	20	70.0	8402	5	5
614	615	180	21.0	1491	4	6
616	617	60	NaN	7861	6	5
620	621	30	45.0	8248	3	3
623	624	160	NaN	2117	6	5

626	627	20	NaN	12342	5	5
635	636	190	60.0	10896	6	7
636	637	30	51.0	6120	2	3
638	639	30	67.0	8777	5	7
641	642	60	NaN	7050	7	5
645	646	20	NaN	10530	6	5
649	650	180	21.0	1936	4	6
650	651	60	65.0	8125	7	6
660	661	60	NaN	12384	7	7
666	667	60	NaN	18450	6	5
668	669	20	NaN	14175	5	6
672	673	20	NaN	11250	6	6
679	680	20	NaN	9945	5	5
682	683	120	NaN	2887	6	5
685	686	160	NaN	5062	7	5
687	688	160	NaN	5105	7	5
690	691	120	NaN	4426	6	5
705	706	190	70.0	5600	4	5
706	707	20	NaN	115149	7	5
709	710	20	NaN	7162	5	7
710	711	30	56.0	4130	3	6
714	715	60	NaN	13517	6	8
720	721	120	NaN	6563	8	5
721	722	120	NaN	4426	6	5
726	727	20	NaN	21695	6	9
734	735	20	NaN	8978	5	5

738	739	90	60.0	10800	5	5
745	746	60	NaN	8963	8	9
746	747	60	NaN	8795	7	5
750	751	50	55.0	8800	4	7
751	752	60	NaN	7750	7	5
757	758	60	NaN	11616	6	5
770	771	85	NaN	7252	5	5
783	784	85	NaN	9101	5	6
784	785	75	35.0	6300	6	6
785	786	20	NaN	9790	6	5
789	790	60	NaN	12205	6	8
791	792	80	NaN	11333	6	5
794	795	60	NaN	10832	7	5
811	812	120	NaN	4438	6	5
816	817	20	NaN	11425	5	6
817	818	20	NaN	13265	8	5
822	823	60	NaN	12394	7	5
826	827	45	50.0	6130	5	6
828	829	60	NaN	28698	5	5
840	841	70	NaN	12155	6	8
843	844	90	80.0	8000	5	4
845	846	85	NaN	16647	5	5
851	852	120	NaN	3196	8	5
853	854	80	NaN	12095	6	6
855	856	20	NaN	6897	5	8
856	857	80	NaN	10970	6	6

859	860	60	NaN	11029	6	7
865	866	20	NaN	8750	5	6
868	869	60	NaN	14762	5	6
879	880	20	NaN	7000	5	8
882	883	60	NaN	9636	6	5
893	894	20	NaN	13284	5	5
900	901	20	NaN	7340	4	6
904	905	20	NaN	6173	5	6
908	909	20	NaN	8885	5	5
911	912	20	NaN	9286	5	7
917	918	20	NaN	17140	4	6
921	922	90	67.0	8777	5	7
925	926	20	NaN	15611	5	6
927	928	60	NaN	9900	7	5
928	929	20	NaN	11838	8	5
929	930	60	NaN	13006	7	5
936	937	20	67.0	10083	7	5
939	940	70	NaN	24090	7	7
941	942	60	NaN	8755	7	5
942	943	90	42.0	7711	4	3
944	945	20	NaN	14375	6	6
953	954	60	NaN	11075	5	4
954	955	90	35.0	9400	6	5
960	961	20	50.0	7207	5	7
961	962	60	NaN	12227	6	7
967	968	20	NaN	7390	5	7



968	969	50	50.0	5925	3	6
970	971	50	60.0	10800	4	4
973	974	20	95.0	11639	7	5
975	976	160	NaN	2651	7	5
976	977	30	51.0	5900	4	7
977	978	120	35.0	4274	7	5
980	981	85	NaN	12122	7	9
983	984	60	NaN	11250	8	5
988	989	60	NaN	12046	6	6
996	997	20	NaN	10659	5	6
997	998	20	NaN	11717	6	6
1003	1004	90	NaN	11500	5	6
1006	1007	20	NaN	12155	6	3
1009	1010	50	60.0	6000	5	5
1011	1012	90	75.0	9825	5	5
1017	1018	120	NaN	5814	8	5
1018	1019	80	NaN	10784	7	5
1024	1025	20	NaN	15498	8	6
1030	1031	190	NaN	7082	5	8
1032	1033	60	NaN	14541	8	7
1033	1034	20	NaN	8125	7	5
1035	1036	20	NaN	11500	4	3
1037	1038	60	NaN	9240	8	5
1038	1039	160	21.0	1533	4	6
1041	1042	60	NaN	9130	6	8
1045	1046	20	NaN	13680	3	5

1057	1058	60	NaN	29959	7	6
1059	1060	50	NaN	11275	6	7
1064	1065	20	NaN	11000	5	6
1077	1078	20	NaN	15870	5	5
1084	1085	60	NaN	13031	6	5
1086	1087	160	NaN	1974	4	5
1096	1097	70	60.0	6882	6	7
1097	1098	120	NaN	3696	8	5
1108	1109	60	NaN	8063	6	5
1110	1111	60	NaN	8000	6	5
1116	1117	80	NaN	7750	8	5
1122	1123	20	NaN	8926	4	3
1123	1124	20	50.0	9405	5	9
1124	1125	80	NaN	9125	7	5
1131	1132	20	63.0	10712	5	5
1137	1138	50	54.0	6342	5	8
1138	1139	20	NaN	9819	6	5
1141	1142	60	NaN	10304	5	7
1143	1144	20	NaN	9000	5	3
1146	1147	20	NaN	11200	6	5
1148	1149	50	NaN	5700	7	7
1153	1154	30	NaN	5890	6	8
1154	1155	60	NaN	13700	7	6
1161	1162	20	NaN	14778	6	7
1164	1165	80	NaN	16157	5	7
1173	1174	50	138.0	18030	5	6

1177	1178	50	NaN	3950	6	8
1179	1180	20	77.0	8335	5	5
1180	1181	60	NaN	11170	7	5
1190	1191	190	NaN	32463	4	4
1193	1194	120	NaN	4500	6	5
1206	1207	20	NaN	8900	4	4
1213	1214	80	NaN	10246	4	9
1218	1219	50	52.0	6240	4	5
1219	1220	160	21.0	1680	6	5
1230	1231	90	NaN	18890	5	5
1233	1234	20	NaN	12160	5	5
1234	1235	70	55.0	8525	5	6
1243	1244	20	107.0	13891	10	5
1244	1245	70	NaN	11435	8	7
1247	1248	80	NaN	12328	6	5
1251	1252	120	NaN	3136	7	5
1253	1254	60	NaN	17542	7	7
1257	1258	30	56.0	4060	5	8
1260	1261	60	NaN	24682	6	5
1262	1263	50	NaN	11250	4	5
1268	1269	50	NaN	14100	8	9
1270	1271	40	NaN	23595	7	6
1271	1272	20	NaN	9156	6	7
1272	1273	20	NaN	13526	5	6
1276	1277	60	NaN	12936	6	6
1277	1278	80	NaN	17871	6	5

1278	1279	60	75.0	9473	8	5
1283	1284	90	94.0	9400	6	5
1286	1287	20	NaN	9790	6	5
1287	1288	20	NaN	36500	5	5
1290	1291	80	NaN	14112	5	7
1300	1301	60	NaN	10762	7	5
1301	1302	70	NaN	7500	6	7
1309	1310	20	NaN	7153	6	5
1312	1313	60	NaN	9572	8	5
1318	1319	20	NaN	14781	8	5
1321	1322	20	NaN	6627	3	6
1323	1324	30	50.0	5330	4	7
1325	1326	30	40.0	3636	4	4
1326	1327	30	70.0	4270	3	6
1337	1338	30	153.0	4118	4	4
1342	1343	60	NaN	9375	8	5
1346	1347	20	NaN	20781	7	7
1348	1349	20	NaN	16196	7	5
1349	1350	70	50.0	5250	8	5
1354	1355	60	NaN	10316	7	5
1356	1357	20	NaN	9477	5	5
1357	1358	20	NaN	12537	5	6
1358	1359	160	NaN	2117	6	5
1362	1363	50	NaN	12513	4	4
1365	1366	60	NaN	7500	7	5
1368	1369	120	NaN	4435	6	5

1373	1374	20	NaN	11400	10	5
1381	1382	20	NaN	12925	6	7
1383	1384	30	NaN	25339	5	7
1396	1397	20	NaN	57200	5	5
1407	1408	20	NaN	8780	5	5
1417	1418	60	NaN	16545	8	5
1419	1420	20	NaN	16381	6	5
1423	1424	80	NaN	19690	6	7
1424	1425	20	NaN	9503	5	5
1429	1430	20	NaN	12546	6	7
1431	1432	120	NaN	4928	6	6
1441	1442	120	NaN	4426	6	5
1443	1444	30	NaN	8854	6	6
1446	1447	20	NaN	26142	5	7
1449	1450	180	21.0	1533	5	7
1450	1451	90	60.0	9000	5	5
1453	1454	20	90.0	17217	5	5

	YearBuilt	YearRemodAdd	MasVnrArea	BsmtFinSF1	BsmtFinSF2
BsmtUnfSF \					
7	1973	1973	240.0	859	32
216					
12	1962	1962	0.0	737	0
175					
14	1960	1960	212.0	733	0
520					
16	1970	1970	180.0	578	0
426					
24	1968	2001	0.0	188	668
204					
31	1966	2006	0.0	0	0
1228					
39	1955	1955	0.0	0	0
0					

420	1983	1983	0.0	747	93
43167	1975	1980	0.0	280	491
48736	1920	2008	0.0	0	0
50612	1997	1997	0.0	182	0
64318	1997	1998	573.0	739	0
661035	1970	1989	287.0	912	0
76724	1956	1956	0.0	228	0
781768	1968	1968	0.0	0	0
84384	1995	1996	22.0	0	0
881013	1915	1982	0.0	0	0
89402	1994	1995	0.0	588	0
95370	1993	1993	68.0	310	0
99381	1959	1959	0.0	569	0
100410	1977	2001	28.0	1200	0
104816	1931	1950	600.0	224	0
108793	1919	2005	0.0	0	0
111134	2000	2000	0.0	250	0
113905	1953	1953	184.0	35	869
116252	1962	1962	116.0	170	670
1200	1969	1969	0.0	938	0
12530	1935	1982	0.0	490	0
126958	1976	1976	0.0	120	0
127556	1930	1950	0.0	116	0
131297	2000	2000	40.0	695	0
133	2001	2002	136.0	1005	0

262					
136	1967	1967	196.0	695	0
519					
140	1971	1971	0.0	432	0
432					
147	2001	2001	180.0	0	0
884					
148	2004	2005	120.0	680	0
400					
149	1936	1950	0.0	0	0
896					
152	1971	1971	252.0	416	0
409					
153	1960	1975	0.0	429	1080
93					
155	1924	1950	0.0	0	0
572					
160	1984	1984	0.0	660	0
572					
163	1956	1956	0.0	0	0
882					
165	1940	1999	0.0	351	181
112					
166	1955	1993	0.0	379	768
470					
169	1981	1981	653.0	0	0
1686					
170	1941	1950	0.0	360	0
360					
177	1958	1958	0.0	57	441
554					
180	2000	2000	456.0	436	0
320					
186	1990	1991	0.0	611	0
577					
191	1972	2004	138.0	626	0
99					
198	1912	1950	0.0	0	0
755					
203	2004	2004	205.0	662	0
186					
207	1960	1960	0.0	419	306
375					
208	1988	1989	128.0	1065	0
92					
210	1925	1950	0.0	468	0
396					
214	1977	1977	153.0	378	0
311					

218	1939	2006	312.0	341	0
457					
221	2002	2002	0.0	0	0
1010					
234	2002	2002	NaN	625	0
235					
237	1993	2003	0.0	402	0
594					
241	1945	1997	0.0	329	0
357					
244	1994	2002	0.0	695	0
253					
249	1958	2006	472.0	697	0
747					
250	1940	1966	0.0	0	0
728					
269	1976	1976	174.0	751	0
392					
287	1971	1971	0.0	614	0
244					
288	1967	1967	31.0	450	0
432					
291	1912	2000	0.0	210	0
570					
293	1977	1994	34.0	795	0
0					
307	1920	1950	0.0	0	0
319					
308	1940	1950	0.0	262	0
599					
310	1993	1994	112.0	518	0
179					
319	1980	1980	225.0	1036	0
336					
328	1916	1994	0.0	0	0
844					
330	1964	1964	84.0	40	264
1424					
335	1965	1965	0.0	1249	147
103					
342	1949	1950	340.0	0	0
0					
346	1960	1998	0.0	498	0
460					
347	1960	1960	30.0	1270	0
208					
351	1986	1986	0.0	1082	0
371					
356	1992	1992	106.0	560	0



598					
360	1978	1978	0.0	773	0
115					
361	1940	1982	0.0	399	0
484					
364	1976	1976	120.0	712	0
84					
366	1963	1963	247.0	609	0
785					
369	1959	2006	0.0	72	258
733					
370	2000	2000	0.0	0	0
953					
375	1922	1950	0.0	350	0
333					
384	1992	1992	0.0	985	0
595					
386	1910	1996	0.0	0	0
658					
392	1959	1959	0.0	0	0
0					
393	1941	1950	0.0	266	0
522					
404	1995	1996	0.0	0	0
806					
405	1976	1993	0.0	1116	0
165					
412	2009	2009	432.0	578	0
892					
421	1977	2000	126.0	1246	0
356					
426	1989	1989	145.0	1518	0
0					
431	1920	1998	0.0	0	0
901					
434	1972	1972	0.0	495	0
135					
441	1955	1955	270.0	133	0
1307					
447	1998	1999	0.0	0	0
930					
452	1996	1997	42.0	742	0
130					
457	1954	1994	0.0	1116	0
248					
458	1925	1996	0.0	0	0
588					
459	1950	1950	161.0	185	0
524					

464	1978	1978	136.0	616	0
424					
465	2004	2004	18.0	0	0
1375					
470	1985	1985	0.0	368	1120
0					
484	1962	2001	0.0	588	0
411					
490	1976	1976	0.0	0	0
264					
495	1920	1950	0.0	495	0
225					
496	1992	1993	0.0	1231	0
1969					
516	1972	1972	333.0	0	0
689					
518	1998	1998	0.0	706	0
88					
520	1900	2000	0.0	0	0
0					
528	1920	2002	0.0	348	0
180					
529	1957	1975	NaN	1219	0
816					
533	1946	1950	0.0	0	0
0					
535	1910	1991	0.0	969	0
148					
537	1972	1972	0.0	600	0
264					
538	1968	1968	188.0	673	0
378					
539	2001	2002	479.0	1358	0
223					
541	2000	2000	72.0	0	0
969					
545	1988	1988	178.0	1002	202
0					
559	2003	2004	18.0	0	0
1374					
560	1957	1996	180.0	1302	0
90					
562	1940	1969	0.0	290	0
706					
564	1992	2000	0.0	728	0
367					
569	1979	1979	0.0	943	0
0					
580	1960	1987	85.0	594	219

331					
582	1990	1990	104.0	816	0
0					
593	2003	2003	170.0	685	0
163					
610	2000	2000	204.0	904	0
536					
611	1978	1978	233.0	605	0
427					
612	2001	2001	108.0	990	0
309					
613	2007	2007	0.0	206	0
914					
614	1972	1972	0.0	150	480
0					
616	2002	2003	0.0	457	0
326					
620	1914	1950	0.0	41	0
823					
623	2000	2000	513.0	420	0
336					
626	1960	1978	0.0	0	0
978					
635	1914	1995	0.0	256	0
1184					
636	1936	1950	0.0	0	0
264					
638	1910	1950	0.0	0	0
796					
641	2001	2001	0.0	738	0
319					
645	1971	1971	0.0	282	35
664					
649	1970	1970	0.0	131	499
0					
650	2007	2007	NaN	0	0
813					
660	1976	1976	233.0	0	0
793					
666	1965	1979	113.0	187	723
111					
668	1956	1987	0.0	988	0
200					
672	1977	1977	0.0	767	0
441					
679	1961	1961	57.0	827	0
161					
682	1996	1997	0.0	1003	0
288					

685	1984	1984	0.0	828	182
180					
687	2004	2004	0.0	239	0
312					
690	2004	2004	147.0	697	0
151					
705	1930	1950	0.0	0	0
0					
706	1971	2002	351.0	1219	0
424					
709	1966	1966	41.0	0	0
876					
710	1935	2003	0.0	0	0
270					
714	1976	2005	289.0	533	0
192					
720	1985	1985	0.0	1148	0
594					
721	2004	2004	169.0	662	0
186					
726	1988	2007	260.0	808	0
72					
734	1968	1968	0.0	0	0
948					
738	1987	1988	0.0	1200	0
0					
745	1976	1996	289.0	575	80
487					
746	2000	2000	0.0	300	0
652					
750	1910	2004	0.0	0	0
576					
751	2003	2003	0.0	0	0
660					
757	1978	1978	328.0	438	0
234					
770	1982	1982	0.0	685	0
173					
783	1978	1978	104.0	1097	0
0					
784	1914	2001	0.0	0	0
742					
785	1967	1967	0.0	251	630
491					
789	1966	2007	157.0	568	0
264					
791	1976	1976	0.0	539	0
490					
794	1994	1996	0.0	0	0

712					
811	2004	2004	169.0	662	0
186					
816	1954	1954	0.0	486	0
522					
817	2002	2002	148.0	1218	0
350					
822	2003	2003	0.0	0	0
847					
826	1924	1950	0.0	784	0
0					
828	1967	1967	0.0	249	764
0					
840	1925	1950	0.0	156	0
516					
843	1961	1961	0.0	0	0
1800					
845	1975	1981	0.0	1390	0
0					
851	2003	2003	40.0	0	0
1273					
853	1964	1964	115.0	564	0
563					
855	1962	2010	0.0	659	0
381					
856	1978	1978	0.0	505	435
0					
859	1968	1984	220.0	619	0
435					
865	1970	1970	76.0	828	0
174					
868	1948	1950	0.0	0	0
0					
879	1978	2005	90.0	646	0
218					
882	1992	1993	0.0	0	0
808					
893	1954	1954	0.0	1064	0
319					
900	1971	1971	0.0	322	0
536					
904	1967	1967	75.0	599	0
277					
908	1983	1983	0.0	301	324
239					
911	1977	1989	0.0	196	0
1072					
917	1956	1956	0.0	1059	0
75					
921	1900	2003	0.0	1084	0

188					
925	1977	1977	0.0	767	93
266					
927	1968	1968	342.0	552	0
280					
928	2001	2001	0.0	0	0
1753					
929	1997	1997	285.0	0	0
964					
936	2003	2003	NaN	833	0
343					
939	1940	1950	0.0	0	0
1032					
941	1999	1999	298.0	772	0
220					
942	1977	1977	0.0	1440	0
0					
944	1958	1958	541.0	111	354
354					
953	1969	1969	232.0	562	193
29					
954	1975	1975	250.0	945	0
0					
960	1958	2008	0.0	696	0
162					
961	1977	1995	424.0	896	0
434					
967	1955	1955	151.0	902	0
196					
968	1910	1950	0.0	0	0
600					
970	1949	1950	0.0	0	0
720					
973	2007	2008	NaN	0	0
1428					
975	2000	2000	0.0	641	0
32					
976	1923	1958	0.0	0	0
440					
977	2006	2007	NaN	1106	0
135					
980	1961	2007	210.0	867	0
77					
983	2002	2002	0.0	0	0
1128					
988	1976	1976	298.0	156	0
692					
996	1961	1961	0.0	915	0
135					

997	1970	1970	571.0	0	0
1442					
1003	1976	1976	164.0	0	0
1680					
1006	1970	1970	0.0	1237	0
420					
1009	1926	1950	0.0	0	0
1008					
1011	1965	1965	0.0	0	0
0					
1017	1984	1984	0.0	1036	0
184					
1018	1991	1992	76.0	0	0
384					
1024	1976	1976	0.0	1165	400
0					
1030	1916	1995	0.0	0	0
686					
1032	1993	1993	0.0	1012	0
326					
1033	2002	2002	295.0	986	0
668					
1035	1957	1957	0.0	0	0
0					
1037	2001	2002	396.0	0	0
1055					
1038	1970	2008	0.0	0	0
546					
1041	1966	2000	252.0	400	64
336					
1045	1955	1955	0.0	0	0
0					
1057	1994	1994	0.0	595	0
378					
1059	1932	1950	480.0	297	557
0					
1064	1966	1966	200.0	740	230
184					
1077	1969	1969	0.0	75	791
230					
1084	1995	1996	0.0	592	0
99					
1086	1973	1973	0.0	334	0
212					
1096	1914	2006	0.0	0	0
684					
1097	1986	1986	0.0	0	0
1074					
1108	2000	2000	0.0	0	0

924					
1110	1995	1996	0.0	219	0
554					
1116	2002	2002	0.0	353	0
55					
1122	1956	1956	0.0	0	0
672					
1123	1947	2008	0.0	0	0
698					
1124	1992	1992	170.0	0	0
384					
1131	1991	1992	0.0	212	0
762					
1137	1875	1996	0.0	0	0
780					
1138	1977	1977	0.0	1567	0
0					
1141	1976	1976	44.0	381	0
399					
1143	1959	1959	0.0	288	0
718					
1146	1985	1985	85.0	1258	0
40					
1148	1926	1950	0.0	0	0
572					
1153	1930	2007	0.0	538	0
278					
1154	1965	1988	288.0	454	0
410					
1161	1954	2006	72.0	728	0
568					
1164	1978	1978	0.0	680	391
289					
1173	1946	1994	0.0	152	469
977					
1177	1926	2004	0.0	468	0
350					
1179	1954	1954	0.0	0	0
0					
1180	1990	1991	0.0	1216	0
0					
1190	1961	1975	149.0	1159	0
90					
1193	1999	1999	425.0	883	0
341					
1206	1966	1966	0.0	1056	0
0					
1213	1965	2001	0.0	648	0
0					



1218 0	1947	1950	0.0	0	0
1219 672	1971	1971	236.0	0	0
1230 652	1977	1977	1.0	498	211
1233 188	1959	1959	180.0	1000	0
1234 940	1911	1950	0.0	0	0
1243 690	2006	2006	NaN	1386	0
1244 792	1929	1950	0.0	0	0
1247 473	1976	1976	335.0	539	0
1251 1405	2003	2003	163.0	0	0
1253 36	1974	2003	0.0	125	1031
1257 864	1922	1950	0.0	0	0
1260 841	1999	1999	0.0	0	0
1262 1104	1957	1989	0.0	0	0
1268 536	1935	1997	632.0	192	0
1270 74	1979	1979	0.0	1258	0
1271 1489	1968	1968	0.0	0	0
1272 0	1965	1965	114.0	560	375
1276 130	1972	1972	0.0	593	0
1277 1152	1967	1976	359.0	528	0
1278 324	2002	2002	NaN	804	0
1283 912	1971	1971	0.0	0	0
1286 678	1963	1963	451.0	569	81
1287 812	1964	1964	621.0	812	0
1290 138	1964	1964	86.0	1014	0
1300	1999	1999	344.0	694	0

284					
1301	1942	1950	0.0	547	0
224					
1309	1991	1991	88.0	1200	0
78					
1312	1990	1990	336.0	482	0
971					
1318	2001	2002	178.0	0	0
1753					
1321	1949	1950	0.0	0	0
0					
1323	1940	1950	0.0	280	0
140					
1325	1922	1950	0.0	0	0
796					
1326	1931	2006	0.0	544	0
0					
1337	1941	1950	0.0	0	0
693					
1342	2002	2002	149.0	0	0
1284					
1346	1968	2003	0.0	297	68
1203					
1348	1998	1998	0.0	1443	0
39					
1349	1872	1987	0.0	259	0
425					
1354	2000	2000	0.0	735	0
257					
1356	1966	1966	65.0	340	0
524					
1357	1971	2008	0.0	734	0
344					
1358	2000	2000	216.0	378	0
378					
1362	1920	2007	0.0	0	0
715					
1365	2000	2000	0.0	533	0
281					
1368	2003	2004	170.0	685	0
163					
1373	2001	2002	705.0	1282	0
1351					
1381	1970	1970	0.0	865	0
340					
1383	1918	2007	0.0	0	0
816					
1396	1948	1950	0.0	353	334
60					

1407208	1985	1985	0.0	625	0
1417503	1998	1998	731.0	781	0
1419734	1969	1969	312.0	1110	0
1423697	1966	1966	0.0	0	0
1424193	1958	1983	0.0	457	374
1429762	1981	1981	310.0	678	0
14310	1976	1976	0.0	958	0
1441151	2004	2004	147.0	697	0
1443952	1916	1950	0.0	0	0
1446595	1962	1962	189.0	593	0
144977	1970	1970	0.0	553	0
1450896	1974	1974	0.0	0	0
14531140	2006	2006	0.0	0	0
	TotalBsmtSF	1stFlrSF	2ndFlrSF	LowQualFinSF	GrLivArea
BsmtFullBath \ 71	1107	1107	983	0	2090
121	912	912	0	0	912
141	1253	1253	0	0	1253
161	1004	1004	0	0	1004
241	1060	1060	0	0	1060
310	1228	1228	0	0	1228
390	0	1152	0	0	1152
421	840	884	0	0	884
431	938	938	0	0	938
480	736	736	716	0	1452

50	794	794	676	0	1470
0					
64	1057	1057	977	0	2034
1					
66	1947	2207	0	0	2207
1					
76	952	952	0	0	952
0					
78	1768	1768	0	0	1768
0					
84	384	804	670	0	1474
0					
88	1013	1013	0	513	1526
0					
89	990	990	0	0	990
1					
95	680	680	790	0	1470
0					
99	950	1225	0	0	1225
1					
100	1610	1610	0	0	1610
1					
104	1040	1226	592	0	1818
0					
108	793	997	520	0	1517
0					
111	384	774	656	0	1430
0					
113	1809	2259	0	0	2259
1					
116	1092	1092	0	0	1092
0					
120	938	988	0	0	988
1					
125	520	520	0	234	754
1					
126	1078	958	0	0	958
0					
127	672	840	0	0	840
0					
131	992	1022	1032	0	2054
1					
133	1267	1296	0	0	1296
1					
136	1214	1214	0	0	1214
0					
140	864	864	0	0	864
0					
147	884	884	1151	0	2035

0					
148	1080	1080	0	0	1080
1					
149	896	896	448	0	1344
0					
152	825	1097	896	0	1993
0					
153	1602	1252	0	0	1252
1					
155	572	572	524	0	1096
0					
160	1232	1232	0	0	1232
0					
163	882	882	0	0	882
0					
165	644	808	547	0	1355
1					
166	1617	1867	0	0	1867
1					
169	1686	1707	0	0	1707
0					
170	720	854	0	528	1382
0					
177	1052	1252	668	0	1920
1					
180	756	769	756	0	1525
0					
186	1188	1217	0	0	1217
1					
191	725	725	754	0	1479
1					
198	755	929	929	371	2229
0					
203	848	848	0	0	848
1					
207	1100	1100	0	0	1100
1					
208	1157	1180	882	0	2062
1					
210	864	864	0	0	864
1					
214	689	689	703	0	1392
0					
218	798	1137	817	0	1954
0					
221	1010	1010	1257	0	2267
0					
234	860	860	1100	0	1960
1					

237 0	996	1014	730	0	1744
241 0	686	866	0	0	866
244 1	948	1222	888	0	2110
249 0	1444	1444	700	0	2144
250 0	728	1306	0	0	1306
269 1	1143	1113	0	0	1113
287 0	858	858	0	0	858
288 0	882	900	0	0	900
291 1	780	936	780	0	1716
293 1	795	1468	795	0	2263
307 0	319	1035	371	0	1406
308 0	861	861	0	0	861
310 0	697	697	804	0	1501
319 1	1372	1472	0	0	1472
328 0	844	1445	689	0	2134
330 0	1728	1728	0	0	1728
335 2	1499	1619	167	0	1786
342 0	0	1040	0	0	1040
346 0	958	958	0	0	958
347 1	1478	1478	0	0	1478
351 1	1453	1453	0	0	1453
356 1	1158	1167	0	0	1167
360 1	888	912	0	0	912
361 1	883	988	517	0	1505
364	796	790	784	0	1574

1					
366	1394	1394	0	0	1394
1					
369	1063	1287	0	0	1287
1					
370	953	953	711	0	1664
0					
375	683	904	0	0	904
1					
384	1580	1079	874	0	1953
1					
386	658	658	526	0	1184
0					
392	0	882	0	0	882
0					
393	788	788	0	0	788
0					
404	806	806	766	0	1572
0					
405	1281	1620	0	0	1620
1					
412	1470	1478	0	0	1478
1					
421	1602	1602	0	0	1602
0					
426	1518	1644	0	0	1644
1					
431	901	1088	110	0	1198
0					
434	630	630	0	0	630
1					
441	1440	1440	0	0	1440
0					
447	930	956	930	0	1886
0					
452	872	888	868	0	1756
1					
457	1364	1663	0	0	1663
1					
458	588	833	833	0	1666
0					
459	709	979	224	0	1203
1					
464	1040	1040	0	0	1040
0					
465	1375	1414	0	0	1414
0					
470	1488	1502	0	0	1502
1					

484 1	999	999	0	0	999
490 0	264	616	688	0	1304
495 0	720	720	0	0	720
496 1	3200	3228	0	0	3228
516 0	689	1378	741	0	2119
518 1	794	882	914	0	1796
520 0	0	694	600	0	1294
528 1	528	605	0	0	605
529 1	2035	2515	0	0	2515
533 0	0	334	0	0	334
535 1	1117	820	527	0	1347
537 0	864	864	0	0	864
538 0	1051	1159	0	0	1159
539 1	1581	1601	0	0	1601
541 0	969	997	1288	0	2285
545 0	1204	1377	806	0	2183
559 0	1374	1557	0	0	1557
560 1	1392	1392	0	0	1392
562 1	996	996	0	0	996
564 1	1095	1166	1129	0	2295
569 1	943	943	0	0	943
580 0	1144	1429	0	0	1429
582 1	816	816	0	0	816
593 1	848	848	0	0	848
610 1	1440	1476	677	0	2153



611 0	1032	1032	0	0	1032
612 1	1299	1299	573	0	1872
613 0	1120	1120	0	0	1120
614 1	630	630	0	0	630
616 1	783	807	702	0	1509
620 1	864	864	0	0	864
623 0	756	756	756	0	1512
626 0	978	1422	0	0	1422
635 0	1440	1440	1440	515	3395
636 0	264	800	0	0	800
638 0	796	796	0	0	796
641 1	1057	1057	872	0	1929
645 1	981	981	0	0	981
649 1	630	630	0	0	630
650 0	813	822	843	0	1665
660 0	793	1142	793	0	1935
666 0	1021	1465	915	0	2380
668 1	1188	1437	0	0	1437
672 1	1208	1208	0	0	1208
679 1	988	988	0	0	988
682 1	1291	1291	0	0	1291
685 1	1190	1190	900	0	2090
687 0	551	551	551	0	1102
690 1	848	848	0	0	848
705	0	372	720	0	1092

0					
706	1643	1824	0	0	1824
1					
709	876	904	0	0	904
0					
710	270	729	0	0	729
0					
714	725	725	754	0	1479
0					
720	1742	1742	0	0	1742
1					
721	848	848	0	0	848
1					
726	880	1680	0	0	1680
1					
734	948	948	0	0	948
0					
738	1200	1200	0	0	1200
3					
745	1142	1175	1540	0	2715
0					
746	952	980	1276	0	2256
0					
750	576	792	348	0	1140
0					
751	660	660	660	0	1320
0					
757	672	672	714	0	1386
0					
770	858	858	0	0	858
1					
783	1097	1110	0	0	1110
1					
784	742	742	742	0	1484
0					
785	1372	1342	0	0	1342
0					
789	832	976	1111	0	2087
0					
791	1029	1062	0	0	1062
1					
794	712	1086	809	0	1895
0					
811	848	848	0	0	848
1					
816	1008	1008	0	0	1008
0					
817	1568	1689	0	0	1689
1					

8220	847	847	886	0	1733
8261	784	784	0	0	784
8280	1013	1160	966	0	2126
8400	672	810	672	0	1482
8430	1800	1800	0	0	1800
8451	1390	1701	0	0	1701
8510	1273	1456	0	0	1456
8530	1127	1445	0	0	1445
8551	1040	1040	0	0	1040
8561	940	1026	0	0	1026
8591	1054	1512	1142	0	2654
8651	1002	1002	0	0	1002
8680	0	1547	720	53	2320
8791	864	864	0	0	864
8820	808	808	785	0	1593
8931	1383	1383	0	0	1383
9000	858	858	0	0	858
9040	876	902	0	0	902
9081	864	902	0	0	902
9110	1268	1268	0	0	1268
9170	1134	1229	0	0	1229
9212	1272	1272	928	0	2200
9250	1126	1126	0	0	1126
9270	832	1098	880	0	1978
928	1753	1788	0	0	1788

0					
929	964	993	1243	0	2236
0					
936	1176	1200	0	0	1200
1					
939	1032	1207	1196	0	2403
0					
941	992	1022	1038	0	2060
1					
942	1440	1440	0	0	1440
2					
944	819	1344	0	0	1344
0					
953	784	1168	800	0	1968
0					
954	945	980	0	0	980
0					
960	858	858	0	0	858
1					
961	1330	1542	1330	0	2872
1					
967	1098	1098	0	0	1098
1					
968	600	600	368	0	968
0					
970	720	720	472	0	1192
0					
973	1428	1428	0	0	1428
0					
975	673	673	709	0	1382
1					
976	440	869	0	0	869
0					
977	1241	1241	0	0	1241
1					
980	944	999	0	0	999
1					
983	1128	1149	1141	0	2290
0					
988	848	1118	912	0	2030
0					
996	1050	1050	0	0	1050
1					
997	1442	1442	0	0	1442
0					
1003	1680	1680	0	0	1680
0					
1006	1657	1657	0	0	1657
0					

1009	1008	1008	0	514	1522
0					
1011	0	1664	0	0	1664
0					
1017	1220	1360	0	0	1360
1					
1018	384	802	670	0	1472
0					
1024	1565	2898	0	0	2898
1					
1030	686	948	980	0	1928
0					
1032	1338	1352	1168	0	2520
1					
1033	1654	1654	0	0	1654
1					
1035	0	845	0	0	845
0					
1037	1055	1055	1208	0	2263
0					
1038	546	798	546	0	1344
0					
1041	800	800	832	0	1632
0					
1045	0	1733	0	0	1733
0					
1057	973	979	871	0	1850
0					
1059	854	1096	895	0	1991
0					
1064	1154	1154	0	0	1154
0					
1077	1096	1096	0	0	1096
1					
1084	691	691	807	0	1498
0					
1086	546	546	546	0	1092
0					
1096	684	773	582	0	1355
0					
1097	1074	1088	0	0	1088
0					
1108	924	948	742	0	1690
0					
1110	773	773	885	0	1658
1					
1116	408	779	640	0	1419
1					
1122	672	960	0	0	960

0					
1123	698	698	0	0	698
0					
1124	384	812	670	0	1482
0					
1131	974	974	0	0	974
0					
1137	780	780	240	0	1020
0					
1138	1567	1567	0	0	1567
1					
1141	780	1088	780	0	1868
1					
1143	1006	1006	0	0	1006
0					
1146	1298	1298	0	0	1298
1					
1148	572	572	539	0	1111
0					
1153	816	816	0	0	816
0					
1154	864	902	918	0	1820
0					
1161	1296	1640	0	0	1640
1					
1164	1360	1432	0	0	1432
1					
1173	1598	1636	971	479	3086
0					
1177	818	818	406	0	1224
0					
1179	0	1124	0	0	1124
0					
1180	1216	1298	1216	0	2514
0					
1190	1249	1622	0	0	1622
1					
1193	1224	1224	0	0	1224
1					
1206	1056	1056	0	0	1056
1					
1213	648	960	0	0	960
1					
1218	0	672	240	0	912
0					
1219	672	672	546	0	1218
0					
1230	1361	1361	1259	0	2620
0					

1233	1188	1188	0	0	1188
1					
1234	940	1024	940	0	1964
0					
1243	2076	2076	0	0	2076
1					
1244	792	792	725	0	1517
0					
1247	1012	1034	0	0	1034
1					
1251	1405	1405	0	0	1405
0					
1253	1192	1516	651	0	2167
1					
1257	864	864	0	0	864
0					
1260	841	892	783	0	1675
0					
1262	1104	1104	684	0	1788
1					
1268	728	1968	1479	0	3447
0					
1270	1332	1332	192	0	1524
2					
1271	1489	1489	0	0	1489
0					
1272	935	935	0	0	935
1					
1276	723	735	660	0	1395
0					
1277	1680	1724	0	0	1724
1					
1278	1128	1128	903	0	2031
1					
1283	912	912	912	0	1824
0					
1286	1328	1328	0	0	1328
1					
1287	1624	1582	0	0	1582
0					
1290	1152	1152	0	0	1152
1					
1300	978	1005	978	0	1983
0					
1301	771	753	741	0	1494
0					
1309	1278	1294	0	0	1294
1					
1312	1453	1453	1357	0	2810

0					
1318	1753	1787	0	0	1787
0					
1321	0	720	0	0	720
0					
1323	420	708	0	0	708
0					
1325	796	796	0	0	796
0					
1326	544	774	0	0	774
0					
1337	693	693	0	0	693
0					
1342	1284	1284	885	0	2169
0					
1346	1568	2156	0	0	2156
0					
1348	1482	1494	0	0	1494
1					
1349	684	938	1215	205	2358
0					
1354	992	992	873	0	1865
1					
1356	864	892	0	0	892
0					
1357	1078	1078	0	0	1078
1					
1358	756	769	804	0	1573
0					
1362	715	1281	457	0	1738
0					
1365	814	814	860	0	1674
1					
1368	848	848	0	0	848
1					
1373	2633	2633	0	0	2633
1					
1381	1205	2117	0	0	2117
0					
1383	816	1416	0	0	1416
0					
1396	747	1687	0	0	1687
1					
1407	833	833	0	0	833
1					
1417	1284	1310	1140	0	2450
1					
1419	1844	1844	0	0	1844
1					



1423	697	1575	626	0	2201
0					
1424	1024	1344	0	0	1344
1					
1429	1440	1440	0	0	1440
0					
1431	958	958	0	0	958
0					
1441	848	848	0	0	848
1					
1443	952	952	0	0	952
0					
1446	1188	1188	0	0	1188
0					
1449	630	630	0	0	630
1					
1450	896	896	896	0	1792
0					
1453	1140	1140	0	0	1140
0					
	BsmtHalfBath	FullBath	HalfBath	BedroomAbvGr	KitchenAbvGr \
7	0	2	1	3	1
12	0	1	0	2	1
14	0	1	1	2	1
16	0	1	0	2	1
24	0	1	0	3	1
31	0	1	1	3	1
39	0	2	0	2	2
42	0	1	0	2	1
43	0	1	0	3	1
48	0	2	0	2	3
50	1	2	0	3	1
64	0	2	1	3	1
66	0	2	0	3	1
76	0	1	0	2	1
78	0	2	0	4	2
84	0	2	1	3	1
88	0	1	0	2	1
89	0	1	0	3	1
95	0	2	1	3	1
99	0	1	1	3	1
100	0	2	0	3	1
104	0	1	1	4	1
108	0	2	0	3	1
111	0	2	1	3	1
113	0	2	0	3	1
116	1	1	0	3	1
120	0	1	0	1	1

125	0	1	0	2	1
126	0	2	0	2	1
127	0	1	0	3	1
131	0	2	1	3	1
133	0	2	0	2	1
136	0	2	0	3	1
140	0	1	0	3	1
147	0	2	1	3	1
148	0	1	0	3	1
149	0	1	0	3	1
152	0	2	1	4	1
153	0	1	0	1	1
155	0	1	0	2	1
160	0	2	0	3	1
163	0	1	0	1	1
165	0	2	0	4	2
166	0	1	0	2	1
169	0	2	1	2	1
170	0	1	1	2	1
177	0	2	0	4	1
180	0	2	1	3	1
186	0	2	0	3	1
191	0	1	1	4	1
198	0	1	0	5	1
203	0	1	0	1	1
207	0	1	0	3	1
208	0	2	1	3	1
210	0	1	0	2	1
214	0	1	1	3	1
218	1	1	1	3	1
221	0	2	1	4	1
234	0	2	1	4	1
237	0	2	1	3	1
241	0	1	0	2	1
244	0	2	1	3	1
249	1	2	0	4	1
250	0	1	0	3	1
269	0	1	1	3	1
287	0	1	0	3	1
288	0	1	0	3	1
291	0	2	0	6	1
293	0	2	1	3	1
307	0	1	0	3	1
308	0	1	0	1	1
310	0	2	1	3	1
319	0	2	0	3	1
328	0	2	0	5	1
330	1	2	0	6	2
335	0	2	0	3	1

342	0	2	0	2	2
346	0	1	0	2	1
347	0	2	0	3	1
351	0	1	1	2	1
356	0	2	0	3	1
360	0	1	0	2	1
361	0	1	0	3	1
364	0	2	1	3	1
366	0	1	1	3	1
369	0	1	0	3	1
370	0	2	1	3	1
375	0	0	1	1	1
384	0	2	1	3	1
386	0	1	0	5	1
392	0	1	0	3	1
393	0	1	0	2	1
404	0	2	1	3	1
405	0	2	0	3	1
412	0	2	1	2	1
421	1	2	0	3	1
426	1	2	0	2	1
431	0	1	0	4	1
434	0	1	0	1	1
441	0	2	0	4	2
447	0	2	1	4	1
452	0	2	1	3	1
457	0	1	0	2	1
458	0	1	0	3	1
459	0	1	0	3	1
464	0	2	0	3	1
465	0	2	0	2	1
470	0	1	1	1	1
484	0	1	0	3	1
490	0	1	1	3	1
495	0	1	0	2	1
496	0	3	0	4	1
516	0	2	1	3	1
518	0	2	1	3	1
520	0	2	0	3	2
528	0	1	0	2	1
529	0	3	0	4	2
533	0	1	0	1	1
535	0	1	0	3	1
537	0	1	0	3	1
538	0	1	1	3	1
539	0	2	0	3	1
541	0	2	1	4	1
545	0	2	1	4	1
559	0	2	0	2	1
560	0	1	1	3	1

562	0	1	0	3	1
564	0	2	1	4	1
569	0	1	0	2	1
580	1	1	0	3	1
582	0	1	0	3	1
593	0	1	0	1	1
610	0	2	1	3	1
611	1	2	0	3	1
612	0	2	1	3	1
613	0	1	0	3	1
614	0	1	0	1	1
616	0	2	1	3	1
620	0	1	0	2	1
623	0	2	1	2	1
626	0	1	0	3	1
635	0	2	0	8	2
636	0	1	0	1	1
638	0	1	0	2	1
641	0	2	1	3	1
645	0	1	1	3	1
649	0	1	0	1	1
650	0	2	1	3	1
660	0	2	1	3	1
666	0	2	1	3	1
668	0	1	1	3	1
672	0	1	1	3	1
679	0	1	0	3	1
682	0	1	0	2	1
685	0	2	0	3	1
687	0	2	1	2	1
690	0	1	0	1	1
705	0	2	0	3	2
706	0	2	0	2	1
709	0	1	0	3	1
710	0	1	0	2	1
714	0	2	1	3	1
720	0	2	0	2	1
721	0	1	0	1	1
726	0	2	0	3	1
734	0	1	0	3	1
738	0	3	0	3	1
745	1	3	1	4	1
746	0	2	1	4	1
750	0	1	0	3	1
751	0	2	1	3	1
757	0	2	1	3	1
770	0	1	0	2	1
783	0	1	0	1	1
784	0	2	0	3	1

785	0	2	0	3	1
789	0	2	1	5	1
791	0	1	0	3	1
794	0	2	1	3	1
811	0	1	0	1	1
816	0	1	0	2	1
817	0	2	0	3	1
822	0	2	1	3	1
826	0	1	0	2	1
828	1	2	1	3	1
840	0	2	0	4	1
843	0	2	0	6	2
845	0	2	0	3	1
851	0	2	0	2	1
853	0	1	1	3	1
855	0	1	1	3	1
856	0	1	0	3	1
859	0	2	1	4	1
865	0	1	0	3	1
868	0	2	0	2	1
879	0	1	0	3	1
882	0	2	1	3	1
893	0	1	0	3	1
900	0	1	0	2	1
904	0	1	0	3	1
908	0	1	0	2	1
911	0	1	1	3	1
917	0	1	0	3	1
921	0	2	2	4	2
925	1	2	0	3	1
927	0	2	1	4	1
928	0	2	0	3	1
929	0	2	1	4	1
936	0	2	0	2	1
939	0	2	0	4	1
941	0	2	1	3	1
942	0	2	0	4	2
944	1	1	0	3	1
953	1	2	1	4	1
954	2	2	0	4	0
960	0	1	0	2	1
961	0	2	1	4	1
967	0	1	0	3	1
968	0	1	0	2	1
970	0	1	1	4	1
973	0	2	0	3	1
975	0	2	1	3	1
976	0	1	0	2	1
977	0	1	1	1	1

980	0	1	0	3	1
983	0	2	1	4	1
988	0	2	1	4	1
996	0	1	0	3	1
997	0	2	0	2	1
1003	0	2	0	4	2
1006	1	2	0	3	1
1009	0	2	0	4	1
1011	0	2	0	4	2
1017	0	1	0	1	1
1018	0	2	1	3	1
1024	0	2	0	2	1
1030	0	2	0	5	2
1032	0	2	1	5	1
1033	0	2	0	3	1
1035	0	1	0	3	1
1037	0	2	1	3	1
1038	0	1	1	3	1
1041	1	1	1	4	1
1045	0	2	0	4	1
1057	0	2	1	3	1
1059	0	1	1	3	1
1064	0	1	1	3	1
1077	0	1	0	3	1
1084	0	2	1	3	1
1086	0	1	1	3	1
1096	0	1	1	3	1
1097	0	1	1	2	1
1108	0	2	1	3	1
1110	0	2	1	3	1
1116	0	2	1	3	1
1122	0	1	0	3	1
1123	1	1	0	2	1
1124	0	2	1	3	1
1131	0	1	0	3	1
1137	0	1	0	2	1
1138	0	2	0	2	1
1141	0	2	1	4	1
1143	0	1	0	3	1
1146	0	2	0	3	1
1148	0	1	0	2	1
1153	0	1	0	2	1
1154	0	1	2	4	1
1161	0	1	0	3	1
1164	0	1	1	2	1
1173	0	3	0	3	1
1177	0	1	0	3	1
1179	0	1	0	3	1
1180	0	2	1	4	1

1190	0	1	0	3	1
1193	0	2	0	2	1
1206	0	1	0	2	1
1213	1	0	0	0	1
1218	0	1	0	2	1
1219	0	1	1	3	1
1230	0	2	2	4	2
1233	0	1	0	3	1
1234	0	1	1	4	1
1243	0	2	1	2	1
1244	0	1	0	3	1
1247	0	1	0	3	1
1251	0	2	0	2	1
1253	0	2	1	3	1
1257	0	1	0	2	1
1260	0	2	1	3	1
1262	0	1	0	5	1
1268	0	3	1	4	1
1270	0	0	1	0	1
1271	0	2	0	3	1
1272	0	1	0	3	1
1276	1	1	1	3	1
1277	0	1	1	3	1
1278	0	2	1	3	1
1283	0	2	2	4	2
1286	0	1	1	3	1
1287	1	2	0	4	1
1290	0	1	0	3	1
1300	0	2	1	3	1
1301	0	1	0	3	1
1309	0	2	0	3	1
1312	0	2	1	4	1
1318	0	2	0	3	1
1321	0	1	0	2	1
1323	0	1	0	2	1
1325	0	1	0	2	1
1326	0	1	0	3	1
1337	0	1	0	2	1
1342	0	2	1	3	1
1346	0	2	0	3	1
1348	0	2	0	3	1
1349	0	2	0	4	1
1354	0	2	1	3	1
1356	0	1	0	3	1
1357	0	1	1	3	1
1358	0	2	1	3	1
1362	0	2	0	4	1
1365	0	2	1	3	1
1368	0	1	0	1	1

1373	0	2	1	2	1
1381	0	2	1	4	1
1383	0	2	0	3	1
1396	0	1	0	3	1
1407	0	1	0	3	1
1417	0	2	1	3	1
1419	0	2	0	3	1
1423	0	2	0	4	1
1424	0	1	0	2	1
1429	0	2	0	3	1
1431	0	2	0	2	1
1441	0	1	0	1	1
1443	0	1	0	2	1
1446	0	1	0	3	1
1449	0	1	0	1	1
1450	0	2	2	4	2
1453	0	1	0	3	1
	TotRmsAbvGrd	Fireplaces	GarageYrBlt	GarageCars	GarageArea \
7	7	2	1973.0	2	484
12	4	0	1962.0	1	352
14	5	1	1960.0	1	352
16	5	1	1970.0	2	480
24	6	1	1968.0	1	270
31	6	0	1966.0	1	271
39	6	0	NaN	0	0
42	5	0	1983.0	2	504
43	5	0	1977.0	1	308
48	8	0	NaN	0	0
50	6	0	1997.0	2	388
64	8	0	1998.0	2	645
66	7	1	1970.0	2	576
76	4	0	1956.0	1	283
78	8	0	NaN	0	0
84	7	1	1995.0	2	400
88	6	0	NaN	0	0
89	5	0	NaN	0	0
95	6	1	1993.0	2	420
99	6	0	NaN	0	0
100	6	2	1977.0	2	480
104	7	2	1951.0	1	240
108	7	0	NaN	0	0
111	7	1	2000.0	2	400
113	7	2	1953.0	2	450
116	6	1	1962.0	1	288
120	4	2	1969.0	2	540
125	5	0	NaN	0	0
126	5	1	1977.0	2	440
127	5	1	NaN	0	0



131	7	1	2000.0	2	390
133	6	0	2001.0	2	471
136	5	1	1967.0	1	318
140	5	1	NaN	0	0
147	8	1	2001.0	2	434
148	6	0	NaN	0	0
149	7	0	1936.0	1	240
152	8	1	1971.0	2	495
153	4	1	1960.0	2	564
155	5	0	NaN	0	0
160	6	0	1984.0	2	516
163	4	0	NaN	0	0
165	6	0	NaN	0	0
166	7	3	1955.0	1	303
169	6	1	1981.0	2	511
170	7	0	1991.0	2	660
177	8	1	1958.0	2	451
180	5	1	2000.0	2	440
186	6	0	1990.0	2	497
191	7	0	1972.0	2	484
198	8	0	NaN	0	0
203	3	1	2004.0	2	420
207	6	1	1960.0	1	312
208	7	1	1988.0	2	454
210	5	0	NaN	0	0
214	6	0	1977.0	1	299
218	8	2	1939.0	2	431
221	8	1	2002.0	2	390
234	8	2	2002.0	2	440
237	7	0	1993.0	2	457
241	4	0	NaN	0	0
244	8	2	1994.0	2	463
249	7	2	1958.0	2	389
250	6	0	NaN	0	0
269	6	1	1987.0	1	504
287	5	0	NaN	0	0
288	5	0	1970.0	1	280
291	9	0	NaN	0	0
293	9	1	1977.0	2	539
307	6	0	NaN	0	0
308	4	0	1961.0	2	539
310	6	1	1993.0	2	420
319	6	2	1980.0	2	588
328	10	0	1930.0	2	441
330	10	0	2002.0	1	352
335	7	2	1965.0	2	529
342	6	0	1949.0	2	400
346	5	0	1960.0	1	301
347	6	2	1960.0	2	498

351	6	1	1986.0	2	445
356	6	0	1992.0	2	400
360	5	1	1978.0	2	470
361	8	0	1940.0	1	240
364	6	1	1976.0	2	566
366	6	2	1963.0	2	514
369	7	1	1997.0	2	576
370	7	1	2000.0	2	460
375	4	0	NaN	0	0
384	9	2	1992.0	2	501
386	8	0	NaN	0	0
392	5	0	1959.0	1	294
393	4	2	NaN	0	0
404	7	1	1995.0	2	373
405	8	1	1993.0	2	490
412	7	1	2009.0	2	484
421	8	1	1977.0	2	529
426	5	1	1989.0	2	569
431	7	0	NaN	0	0
434	3	0	NaN	0	0
441	8	0	NaN	0	0
447	10	1	1998.0	2	431
452	7	0	1996.0	2	422
457	6	2	1954.0	2	529
458	7	1	1925.0	1	228
459	5	1	1950.0	1	352
464	5	0	NaN	0	0
465	6	1	2004.0	2	398
470	4	0	1985.0	2	528
484	6	0	1963.0	1	264
490	4	1	1976.0	1	336
495	4	0	NaN	0	0
496	10	1	1992.0	2	546
516	7	1	1972.0	2	583
518	7	0	1998.0	2	546
520	7	0	NaN	0	0
528	5	0	NaN	0	0
529	9	2	1975.0	2	484
533	2	0	NaN	0	0
535	5	0	NaN	0	0
537	5	0	1980.0	2	576
538	7	1	1968.0	1	336
539	6	1	2001.0	2	670
541	8	1	2000.0	3	648
545	9	0	1988.0	3	786
559	7	1	2003.0	2	420
560	5	1	1957.0	2	528
562	6	1	NaN	0	0
564	9	1	1992.0	2	590

569	4	2	1979.0	2	600
580	7	2	1960.0	2	572
582	5	0	NaN	0	0
593	4	0	2003.0	2	420
610	8	2	2000.0	3	736
611	6	1	1978.0	2	564
612	7	1	2001.0	2	531
613	6	0	NaN	0	0
614	3	0	NaN	0	0
616	7	1	2002.0	2	393
620	5	0	NaN	0	0
623	4	1	2000.0	2	440
626	6	1	1960.0	1	286
635	14	0	NaN	0	0
636	4	1	NaN	0	0
638	4	0	NaN	0	0
641	7	1	2001.0	2	650
645	5	0	1979.0	2	576
649	3	0	NaN	0	0
650	7	0	2007.0	2	562
660	7	1	1976.0	2	550
666	7	1	1965.0	2	596
668	6	1	1999.0	2	576
672	6	1	1977.0	2	546
679	5	0	1963.0	2	572
682	6	1	1996.0	2	431
685	6	1	1984.0	2	577
687	4	0	2004.0	2	480
690	3	1	2004.0	2	420
705	7	0	NaN	0	0
706	5	2	1971.0	2	739
709	6	0	1966.0	1	408
710	5	0	NaN	0	0
714	6	0	1976.0	2	475
720	5	1	1985.0	2	564
721	3	0	2004.0	2	420
726	5	1	1988.0	2	540
734	6	0	1968.0	1	300
738	5	0	NaN	0	0
745	11	2	1994.0	2	831
746	8	1	2000.0	2	554
750	7	0	NaN	0	0
751	6	0	2003.0	2	400
757	6	1	1978.0	2	440
770	5	0	1983.0	2	576
783	4	1	1978.0	2	602
784	9	1	NaN	0	0
785	7	1	1967.0	2	457
789	9	0	1966.0	2	444

791	5	2	1976.0	2	539
794	7	1	1994.0	2	409
811	4	1	2004.0	2	420
816	4	1	1954.0	1	275
817	7	2	2002.0	3	857
822	7	1	2003.0	2	433
826	5	0	NaN	0	0
828	7	0	1967.0	2	538
840	7	0	1934.0	1	400
843	10	0	NaN	0	0
845	6	2	1975.0	2	611
851	7	1	2003.0	2	400
853	7	1	1964.0	2	645
855	6	0	1962.0	1	260
856	5	0	1981.0	2	576
859	9	1	1968.0	2	619
865	5	0	1973.0	2	902
868	7	1	1979.0	2	672
879	6	0	1978.0	1	336
882	7	1	1993.0	2	389
893	6	1	1954.0	1	354
900	4	0	1979.0	1	684
904	6	0	1967.0	1	288
908	5	0	1983.0	2	484
911	5	0	1978.0	1	252
917	6	0	1956.0	1	284
921	9	0	NaN	0	0
925	6	0	1977.0	2	540
927	9	1	1968.0	2	486
928	7	1	2001.0	2	522
929	8	1	1997.0	2	642
936	5	0	2003.0	2	555
939	10	2	1940.0	1	349
941	8	1	1999.0	2	390
942	8	0	NaN	0	0
944	7	1	1958.0	2	525
953	7	1	1969.0	2	530
954	4	0	NaN	0	0
960	4	0	NaN	0	0
961	11	1	1977.0	2	619
967	6	0	1955.0	1	260
968	6	0	NaN	0	0
970	6	0	NaN	0	0
973	6	0	2007.0	2	480
975	6	0	2000.0	2	490
976	4	0	NaN	0	0
977	4	0	2007.0	2	569
980	6	0	1961.0	2	588
983	9	1	2002.0	2	779

988	8	1	1976.0	2	551
996	6	0	1961.0	1	368
997	6	1	1970.0	2	615
1003	8	0	1976.0	2	528
1006	7	1	1970.0	2	484
1009	7	0	NaN	0	0
1011	8	0	NaN	0	0
1017	4	1	1984.0	2	565
1018	7	1	1991.0	2	402
1024	10	1	1976.0	2	665
1030	10	0	NaN	0	0
1032	10	1	1993.0	3	796
1033	6	0	2002.0	3	900
1035	5	0	1957.0	1	290
1037	7	1	2001.0	2	905
1038	6	1	NaN	0	0
1041	7	0	1966.0	2	484
1045	8	1	1955.0	2	452
1057	7	1	1994.0	2	467
1059	7	1	1977.0	2	432
1064	6	1	1966.0	2	480
1077	6	0	1969.0	1	299
1084	6	1	1995.0	2	409
1086	6	0	1973.0	1	286
1096	7	0	NaN	0	0
1097	5	0	1987.0	2	461
1108	7	1	2000.0	2	463
1110	8	1	1995.0	2	431
1116	7	1	2002.0	2	527
1122	5	0	1956.0	1	288
1123	4	0	NaN	0	0
1124	7	1	1992.0	2	392
1131	5	0	NaN	0	0
1137	6	0	NaN	0	0
1138	5	2	1977.0	2	714
1141	9	1	1976.0	2	484
1143	5	0	NaN	0	0
1146	5	1	1985.0	2	403
1148	5	1	1982.0	1	288
1153	5	0	2002.0	1	432
1154	8	2	1965.0	2	492
1161	7	1	1993.0	2	924
1164	5	1	1978.0	2	588
1173	12	1	NaN	0	0
1177	5	0	1926.0	1	210
1179	5	1	NaN	0	0
1180	8	0	1990.0	2	693
1190	7	1	1975.0	4	1356
1193	5	0	1999.0	2	402

1206	5	0	1966.0	1	384
1213	3	0	1965.0	1	364
1218	3	0	NaN	0	0
1219	7	0	NaN	0	0
1230	12	1	1977.0	2	600
1233	6	0	1959.0	2	531
1234	7	0	NaN	0	0
1243	7	1	2006.0	3	850
1244	7	2	1931.0	2	400
1247	6	0	1976.0	3	888
1251	6	1	2003.0	2	478
1253	9	2	1974.0	2	518
1257	4	0	NaN	0	0
1260	7	1	1999.0	2	502
1262	8	2	1957.0	1	304
1268	11	2	1982.0	3	1014
1270	4	1	1979.0	2	586
1271	7	1	1968.0	2	462
1272	5	0	1965.0	1	288
1276	6	1	1972.0	2	497
1277	7	1	1967.0	2	480
1278	7	1	2002.0	2	577
1283	8	0	NaN	0	0
1286	6	2	1963.0	2	528
1287	7	0	1964.0	2	390
1290	6	1	1964.0	2	484
1300	9	1	1999.0	2	490
1301	7	2	1942.0	1	213
1309	6	0	1991.0	2	496
1312	9	1	1990.0	2	750
1318	7	1	2001.0	3	748
1321	4	0	1955.0	1	287
1323	5	0	NaN	0	0
1325	5	0	NaN	0	0
1326	6	0	NaN	0	0
1337	4	0	NaN	0	0
1342	7	1	2002.0	2	647
1346	9	1	1968.0	2	508
1348	5	1	1998.0	2	514
1349	8	0	NaN	0	0
1354	7	1	2000.0	3	839
1356	5	0	1966.0	1	264
1357	6	1	1971.0	2	500
1358	5	0	2000.0	2	440
1362	7	1	1920.0	1	368
1365	7	0	2000.0	2	663
1368	4	0	2003.0	2	420
1373	8	2	2001.0	3	804
1381	7	2	1970.0	2	550
1383	7	0	2007.0	2	576

1396	7	2	1966.0	2	572
1407	5	0	NaN	0	0
1417	7	1	1998.0	3	1069
1419	7	1	1969.0	2	540
1423	8	1	1966.0	2	432
1424	6	1	1970.0	1	484
1429	7	1	1981.0	2	467
1431	5	0	1976.0	2	440
1441	3	1	2004.0	2	420
1443	4	1	1916.0	1	192
1446	6	0	1962.0	1	312
1449	3	0	NaN	0	0
1450	8	0	NaN	0	0
1453	6	0	NaN	0	0

	WoodDeckSF	OpenPorchSF	EnclosedPorch	3SsnPorch	
ScreenPorch \					
7	235	204	228	0	0
12	140	0	0	0	176
14	0	213	176	0	0
16	0	0	0	0	0
24	406	90	0	0	0
31	0	65	0	0	0
39	0	0	0	0	0
42	240	0	0	0	0
43	145	0	0	0	0
48	0	0	102	0	0
50	0	75	0	0	0
64	576	36	0	0	0
66	301	0	0	0	0
76	0	0	0	0	0
78	0	0	0	0	0
84	120	72	0	0	0
88	0	0	156	0	0

89	0	0	0	0	0
95	232	63	0	0	0
99	352	0	0	0	0
100	168	68	0	0	0
104	0	0	0	0	184
108	0	0	144	0	0
111	180	0	0	0	0
113	166	120	192	0	0
116	0	20	144	0	0
120	0	130	0	130	0
125	53	0	0	0	0
126	0	205	0	0	0
127	0	0	0	0	0
131	24	48	0	0	0
133	192	25	0	0	0
136	0	111	0	0	0
140	0	0	0	0	0
147	144	48	0	0	0
148	0	0	0	0	0
149	200	114	0	0	0
152	0	66	0	0	0
153	409	0	0	0	0
155	0	8	128	0	0
160	0	0	0	0	0
163	0	0	0	0	0
165	140	0	0	0	0



166	476	0	0	0	142
169	574	64	0	0	0
170	237	0	0	0	0
177	0	0	0	0	0
180	0	0	0	0	0
186	168	27	0	0	0
191	0	32	0	0	0
198	0	198	30	0	0
203	149	0	0	0	0
207	355	0	0	0	0
208	60	55	0	0	154
210	0	0	96	0	0
214	0	36	0	0	0
218	0	119	150	0	0
221	120	46	0	0	0
234	288	48	0	0	0
237	370	70	0	238	0
241	58	42	0	0	0
244	0	130	0	0	0
249	0	98	0	0	0
250	263	0	0	0	0
269	370	30	0	0	0
287	0	0	0	0	0
288	0	0	0	0	0
291	0	184	0	0	0
293	0	250	0	0	0

307	0	144	0	0	0
308	158	0	0	0	0
310	190	63	0	0	0
319	233	48	0	0	0
328	0	60	268	0	0
330	155	0	0	0	0
335	670	0	0	0	0
342	0	0	0	0	0
346	0	0	0	0	0
347	0	40	0	0	0
351	0	80	0	0	184
356	120	26	0	0	0
360	0	0	0	0	192
361	0	0	0	0	0
364	306	111	0	0	0
366	0	76	0	0	185
369	364	17	0	0	182
370	100	40	0	0	0
375	0	0	0	0	0
384	216	231	0	0	0
386	0	151	0	0	0
392	0	0	0	0	0
393	0	0	0	0	0
404	0	40	0	0	0
405	120	78	0	0	0
412	0	144	0	0	0

421	240	0	0	0	0
426	80	0	0	0	396
431	0	98	0	0	0
434	88	0	0	0	0
441	0	0	0	0	0
447	89	0	0	0	0
452	144	122	0	0	0
457	224	137	0	0	0
458	192	63	0	0	0
459	0	0	248	0	0
464	0	0	0	0	0
465	144	20	0	0	0
470	0	54	0	0	140
484	0	132	0	0	0
490	141	24	0	0	0
495	0	523	115	0	0
496	264	75	291	0	0
516	0	104	0	0	0
518	0	36	0	0	0
520	220	114	210	0	0
528	0	0	144	0	0
529	0	0	200	0	0
533	0	0	0	0	0
535	85	0	148	0	0
537	216	0	0	0	0
538	466	0	0	0	0

539	180	0	0	0	0
541	0	56	0	0	0
545	0	0	0	0	0
559	143	20	0	0	0
560	0	0	0	0	95
562	144	0	0	0	0
564	0	40	0	0	0
569	42	0	0	0	0
580	216	110	0	0	0
582	0	32	0	0	0
593	140	0	0	0	0
610	253	142	0	0	0
611	0	0	0	0	0
612	160	122	0	0	0
613	0	30	0	0	0
614	96	24	0	0	0
616	100	75	0	0	0
620	0	0	100	0	0
623	0	32	0	0	0
626	0	0	36	0	0
635	0	110	0	0	0
636	0	0	0	0	0
638	328	0	164	0	0
641	0	235	0	0	0
645	0	312	40	0	0
649	0	0	0	0	0

650	0	0	0	0	0
660	0	113	252	0	0
666	0	265	0	0	0
668	304	0	0	0	0
672	198	42	0	0	0
679	0	0	0	0	0
682	307	0	0	0	0
685	219	0	0	0	0
687	0	60	0	0	0
690	149	0	0	0	0
705	0	0	0	0	0
706	380	48	0	0	0
709	0	0	0	0	0
710	0	0	0	0	0
714	0	44	0	0	0
720	114	28	234	0	0
721	160	0	0	0	0
726	292	44	0	182	0
734	147	0	0	0	0
738	120	0	0	0	0
745	0	204	0	0	0
746	224	54	0	0	0
750	0	160	0	0	0
751	0	48	0	0	0
757	335	0	0	0	0
770	120	0	0	0	0

783	303	30	0	0	0
784	0	291	134	0	0
785	0	0	0	0	197
789	133	168	0	0	0
791	120	0	0	0	0
794	143	46	0	0	0
811	140	0	0	0	0
816	0	0	120	0	0
817	150	59	0	0	0
822	100	48	0	0	0
826	0	0	116	0	0
828	486	0	0	0	225
840	0	0	254	0	0
843	0	0	0	0	0
845	0	0	0	0	0
851	143	20	0	0	0
853	180	0	0	0	0
855	0	104	0	0	0
856	0	0	34	0	0
859	0	65	0	0	222
865	0	0	0	0	0
868	120	144	0	0	0
879	0	0	0	0	0
882	342	40	0	0	0
893	511	116	0	0	0
900	0	0	0	0	0

904	0	0	0	0	0
908	164	0	0	0	0
911	173	0	0	0	0
917	0	0	0	0	0
921	0	70	0	0	0
925	180	0	0	0	0
927	0	43	0	0	0
928	202	151	0	0	0
929	0	0	0	0	0
936	0	41	0	0	0
939	56	0	318	0	0
941	0	0	0	168	0
942	321	0	0	0	0
944	0	118	0	0	233
953	305	189	0	0	0
954	0	0	0	0	0
960	117	0	0	0	0
961	550	282	0	0	0
967	0	0	0	0	0
968	0	0	0	0	0
970	0	0	0	0	0
973	0	120	0	0	0
975	153	50	0	0	0
976	0	0	0	0	0
977	0	116	0	0	0
980	144	76	0	0	0

983	0	0	0	0	0
988	0	224	0	0	0
996	0	319	0	0	0
997	371	0	0	0	0
1003	0	0	0	0	0
1006	0	0	0	0	147
1009	0	0	138	0	0
1011	0	0	0	0	0
1017	63	0	0	0	0
1018	164	0	0	0	0
1024	0	72	174	0	0
1030	0	0	228	0	0
1032	209	55	0	0	0
1033	0	136	0	0	0
1035	186	0	0	0	0
1037	0	45	0	0	189
1038	0	0	0	0	0
1041	0	40	0	0	0
1045	0	0	0	0	0
1057	168	98	0	0	0
1059	0	0	19	0	0
1064	0	58	0	0	0
1077	240	32	0	0	0
1084	315	44	0	0	0
1086	120	96	0	0	0
1096	136	0	115	0	0



1097	0	74	137	0	0
1108	100	48	0	0	0
1110	224	84	0	0	0
1116	120	0	0	0	0
1122	64	0	0	0	160
1123	0	200	0	0	0
1124	100	25	0	0	0
1131	0	28	0	0	0
1137	0	0	176	0	0
1138	264	32	0	0	0
1141	448	96	0	0	0
1143	0	24	0	0	0
1146	165	26	0	0	0
1148	0	0	176	0	0
1153	0	0	96	0	0
1154	60	84	0	0	273
1161	108	0	0	216	0
1164	168	180	0	0	0
1173	122	0	0	0	0
1177	0	0	116	0	0
1179	0	36	190	0	0
1180	0	0	0	0	0
1190	439	0	0	0	0
1193	0	304	0	0	0
1206	0	42	0	0	0
1213	88	0	0	0	0

1218	0	0	0	0	0
1219	201	0	0	0	0
1230	155	24	145	0	0
1233	0	0	0	0	0
1234	0	192	0	0	0
1243	216	229	0	0	0
1244	0	0	0	0	0
1247	0	0	0	0	0
1251	148	36	0	0	0
1253	220	47	0	0	0
1257	0	96	0	0	0
1260	0	103	0	0	0
1262	120	0	0	0	0
1268	314	12	0	0	0
1270	268	0	0	0	0
1271	0	0	0	0	0
1272	180	0	0	0	0
1276	294	116	0	0	0
1277	0	0	0	0	0
1278	0	211	0	0	0
1283	128	0	0	0	0
1286	0	26	0	0	0
1287	168	198	0	0	0
1290	227	0	0	0	0
1300	0	0	0	0	0
1301	0	0	0	0	224

1309	112	51	0	0	0
1312	500	0	0	0	0
1318	198	150	0	0	0
1321	0	0	0	0	0
1323	164	0	0	0	0
1325	0	0	100	0	0
1326	0	0	286	0	0
1337	0	20	0	0	0
1342	192	87	0	0	0
1346	0	80	0	290	0
1348	402	25	0	0	0
1349	0	54	20	0	0
1354	0	184	0	0	0
1356	0	0	0	0	0
1357	0	0	0	0	0
1358	0	32	0	0	0
1362	55	0	0	0	0
1365	0	96	0	0	0
1368	140	0	0	0	0
1373	314	140	0	0	0
1381	0	42	0	0	0
1383	0	0	112	0	0
1396	0	0	50	0	0
1407	0	0	0	0	0
1417	0	126	0	0	0
1419	0	73	216	0	0

1423	586	236	0	0	0
1424	316	28	0	0	0
1429	0	0	99	0	0
1431	0	60	0	0	0
1441	149	0	0	0	0
1443	0	98	0	0	40
1446	261	39	0	0	0
1449	0	0	0	0	0
1450	32	45	0	0	0
1453	36	56	0	0	0
	PoolArea	MiscVal	MoSold	YrSold	SalePrice
7	0	350	11	2009	200000
12	0	0	9	2008	144000
14	0	0	5	2008	157000
16	0	700	3	2010	149000
24	0	0	5	2010	154000
31	0	0	6	2008	149350
39	0	0	6	2008	82000
42	0	0	12	2007	144000
43	0	0	7	2008	130250
48	0	0	6	2009	113000
50	0	0	7	2007	177000
64	0	0	2	2009	219500
66	0	0	7	2010	180000
76	0	0	4	2008	135750
78	0	0	4	2010	136500
84	0	700	5	2009	168500
88	0	0	10	2009	85000
89	0	0	8	2007	123600
95	0	480	4	2009	185000
99	0	400	1	2010	128950
100	0	0	2	2010	205000
104	0	0	6	2007	169500
108	0	0	8	2007	115000
111	0	0	4	2010	180000
113	0	0	10	2007	217000
116	0	0	9	2009	139000
120	0	0	10	2006	180000
125	0	0	6	2006	84500

126	0	0	2	2007	128000
127	0	0	6	2007	87000
131	0	0	7	2009	244000
133	0	0	6	2009	220000
136	0	0	7	2007	143000
140	0	0	4	2010	115000
147	0	0	5	2010	222500
148	0	0	4	2008	141000
149	0	0	4	2006	115000
152	0	0	6	2006	190000
153	0	0	3	2008	235000
155	0	0	4	2008	79000
160	0	0	6	2008	162500
163	0	0	4	2007	103200
165	0	0	9	2008	127500
166	0	0	11	2009	190000
169	0	0	1	2006	228000
170	0	0	5	2007	128500
177	0	0	7	2006	172500
180	0	0	6	2007	177000
186	0	0	6	2009	173000
191	0	0	6	2007	184000
198	0	0	7	2009	104000
203	0	0	1	2008	149000
207	0	0	4	2008	141000
208	0	0	4	2007	277000
210	0	0	4	2008	98000
214	0	450	3	2010	161750
218	0	0	5	2008	311500
221	0	0	12	2009	200000
234	0	0	5	2010	216500
237	0	0	2	2010	194500
241	0	0	8	2007	110500
244	0	0	5	2010	205000
249	0	500	6	2007	277000
250	0	450	5	2010	76500
269	0	0	5	2007	148000
287	0	0	6	2006	88000
288	0	0	2	2010	122000
291	0	0	3	2008	135900
293	0	0	3	2006	235000
307	0	0	3	2008	89500
308	0	0	3	2009	82500
310	0	0	5	2006	165600
319	0	0	6	2009	187500
328	0	0	7	2009	214500
330	0	0	11	2007	119000
335	0	700	8	2008	228950
342	0	0	5	2006	87500

346	0	15500	4	2007	151500
347	0	0	12	2009	157500
351	0	0	12	2006	190000
356	0	0	7	2009	173000
360	0	0	6	2007	156000
361	0	0	7	2008	145000
364	0	0	7	2006	190000
366	0	0	7	2009	159000
369	0	0	3	2010	162000
370	0	0	1	2006	172400
375	0	0	3	2009	61000
384	0	0	6	2007	240000
386	0	0	5	2006	81000
392	0	1200	7	2007	106500
393	0	0	4	2006	100000
404	0	0	5	2007	168000
405	0	0	6	2009	150000
412	0	0	6	2010	222000
421	0	0	6	2009	215000
426	0	0	8	2009	275000
431	0	0	9	2008	79900
434	0	0	6	2008	81000
441	0	0	9	2008	118000
447	0	0	7	2006	199900
452	0	0	7	2007	204000
457	0	0	3	2008	256000
458	0	0	6	2008	161000
459	0	0	7	2009	110000
464	0	0	8	2009	124000
465	0	0	5	2006	178740
470	0	0	6	2010	212000
484	0	0	3	2007	132500
490	0	0	6	2008	115000
495	0	0	11	2009	34900
496	0	0	5	2007	430000
516	0	0	8	2009	158000
518	0	0	5	2007	211000
520	0	0	8	2008	106250
528	0	0	7	2007	86000
529	0	0	3	2007	200624
533	0	0	1	2007	39300
535	0	0	1	2008	107500
537	0	0	4	2008	111250
538	0	0	7	2006	158000
539	0	2000	5	2010	272000
541	0	0	6	2007	248000
545	0	0	2	2006	229000
559	0	0	10	2006	234000
560	0	0	5	2010	121500

562	0	0	7	2008	108000
564	0	0	7	2006	268000
569	0	0	12	2006	135960
580	0	0	6	2007	181900
582	0	0	5	2007	118500
593	0	0	5	2009	140000
610	0	0	5	2009	313000
611	0	500	7	2007	148000
612	0	0	11	2009	261500
613	0	0	12	2007	147000
614	0	0	5	2010	75500
616	0	0	6	2006	183200
620	0	0	9	2008	67000
623	0	0	6	2007	168500
626	0	600	8	2007	139900
635	0	0	3	2007	200000
636	0	0	1	2009	60000
638	0	0	5	2008	85000
641	0	0	5	2007	226000
645	0	0	3	2007	143250
649	0	0	12	2007	84500
650	0	0	5	2008	205950
660	0	0	11	2007	197900
666	0	0	8	2007	129000
668	0	0	11	2006	168000
672	0	0	6	2006	165000
679	0	0	10	2007	128500
682	0	0	11	2008	173000
685	0	0	9	2007	207500
687	0	0	3	2007	148800
690	0	0	5	2008	141000
705	0	3500	7	2010	55000
706	0	0	6	2007	302000
709	0	0	12	2008	109900
710	0	0	7	2008	52000
714	0	0	3	2010	130500
720	0	0	12	2006	275000
721	0	0	5	2010	143000
726	0	0	12	2009	222000
734	0	0	5	2007	108000
738	0	0	3	2009	179000
745	0	0	7	2008	299800
746	0	0	4	2009	236000
750	0	0	6	2010	96500
751	0	0	8	2007	162000
757	0	0	4	2010	158900
770	0	0	4	2009	134900
783	0	0	7	2009	165500
784	0	0	6	2008	128000

785	0	0	9	2009	161500
789	0	0	7	2007	187500
791	0	0	5	2007	146800
794	0	500	10	2008	194500
811	0	0	6	2008	144500
816	0	0	7	2006	137000
817	0	0	7	2008	271000
822	0	0	10	2007	225000
826	0	0	5	2008	109500
828	0	0	6	2009	185000
840	0	0	3	2008	140000
843	0	0	7	2007	141000
845	0	0	1	2007	171000
851	0	0	5	2006	215000
853	0	0	8	2009	158000
855	0	0	4	2010	127000
856	0	0	10	2008	147000
859	0	0	8	2006	250000
865	0	0	8	2009	148500
868	0	0	5	2006	169000
879	0	0	7	2009	136500
882	0	0	12	2009	178000
893	0	0	6	2008	165000
900	0	0	6	2007	110000
904	0	0	8	2007	125500
908	0	0	6	2006	131000
911	0	0	10	2009	143500
917	0	0	4	2009	135000
921	0	0	9	2008	145900
925	0	0	3	2008	175000
927	0	0	4	2008	176000
928	0	0	6	2009	236500
929	0	0	11	2006	222000
936	0	0	8	2009	184900
939	0	0	6	2010	244400
941	0	0	6	2009	214000
942	0	0	8	2007	150000
944	0	0	1	2009	137500
953	0	400	9	2008	172000
954	0	0	10	2006	127500
960	0	0	2	2010	116500
961	0	0	7	2008	272000
967	0	0	7	2008	135000
968	0	0	5	2009	37900
970	0	0	12	2006	135000
973	0	0	12	2008	182000
975	0	0	4	2006	165000
976	0	0	8	2006	85500
977	0	0	11	2007	199900



980	0	0	7	2008	178400
983	0	0	5	2008	255900
988	0	0	6	2007	195000
996	0	0	1	2006	136500
997	0	0	2	2009	185000
1003	0	0	6	2007	136905
1006	0	0	3	2007	163500
1009	0	0	6	2006	102000
1011	0	0	5	2010	100000
1017	0	0	8	2009	187500
1018	0	0	5	2007	160000
1024	0	0	5	2008	287000
1030	0	0	7	2006	160000
1032	0	0	11	2006	310000
1033	0	0	2	2006	230000
1035	0	0	1	2009	84000
1037	0	0	9	2008	287000
1038	0	0	5	2009	97000
1041	0	0	7	2008	173000
1045	0	0	6	2009	139600
1057	0	0	1	2009	248000
1059	0	0	3	2007	220000
1064	0	0	11	2009	154000
1077	0	0	3	2006	138800
1084	0	0	7	2006	187500
1086	0	0	5	2010	83500
1096	0	0	3	2007	127000
1097	0	0	10	2007	170000
1108	0	0	11	2007	181000
1110	0	0	6	2008	188000
1116	0	0	3	2009	184100
1122	0	0	10	2009	112000
1123	0	0	6	2009	118000
1124	0	0	7	2007	163900
1131	0	0	9	2007	93500
1137	0	0	5	2010	94000
1138	0	0	5	2009	196000
1141	0	0	10	2009	197500
1143	0	0	7	2008	80000
1146	0	0	5	2006	180000
1148	0	0	8	2008	116900
1153	0	0	6	2008	120500
1154	0	0	5	2008	201800
1161	0	0	11	2008	224000
1164	0	0	6	2007	194000
1173	0	0	3	2007	200500
1177	0	0	12	2009	115000
1179	0	0	4	2006	93000
1180	0	0	4	2006	250000

1190	0	0	3	2007	168000
1193	0	0	6	2009	165000
1206	0	0	11	2006	107000
1213	0	0	5	2006	145000
1218	0	0	7	2006	80500
1219	0	0	4	2006	91500
1230	0	8300	8	2007	190000
1233	0	0	5	2010	142000
1234	0	0	11	2008	130000
1243	0	0	9	2006	465000
1244	0	0	6	2006	230000
1247	0	0	5	2010	169900
1251	0	0	3	2006	171750
1253	0	0	7	2007	294000
1257	0	0	7	2009	99900
1260	0	0	6	2009	181000
1262	0	0	11	2009	161500
1268	0	0	5	2008	381000
1270	0	0	4	2010	260000
1271	0	0	8	2009	185750
1272	0	0	11	2006	137000
1276	0	0	12	2009	162000
1277	0	0	6	2009	197900
1278	0	0	3	2008	237000
1283	0	0	4	2010	139000
1286	0	0	6	2010	143000
1287	0	0	6	2006	190000
1290	0	0	4	2010	180500
1300	0	0	5	2009	225000
1301	0	0	11	2009	177500
1309	0	0	6	2008	179200
1312	0	0	6	2007	302000
1318	0	0	8	2006	275000
1321	0	0	7	2008	72500
1323	0	0	12	2009	82500
1325	0	0	1	2008	55000
1326	0	0	5	2007	79000
1337	0	0	3	2006	52500
1342	0	0	8	2007	228500
1346	0	0	6	2006	262500
1348	0	0	8	2007	215000
1349	0	0	12	2008	122000
1354	0	0	6	2008	235000
1356	0	0	10	2008	110000
1357	0	0	4	2010	149900
1358	0	0	6	2010	177500
1362	0	0	6	2009	104900
1365	0	0	1	2010	216000
1368	0	0	6	2009	144000

1373	0	0	3	2007	466500
1381	0	0	5	2008	237500
1383	0	0	8	2007	112000
1396	0	0	6	2010	160000
1407	0	0	3	2009	112000
1417	0	0	5	2009	340000
1419	0	0	12	2006	223000
1423	738	0	8	2006	274970
1424	0	0	6	2007	144000
1429	0	0	4	2007	182900
1431	0	0	10	2009	143750
1441	0	0	5	2008	149300
1443	0	0	5	2009	121000
1446	0	0	4	2010	157900
1449	0	0	8	2006	92000
1450	0	0	9	2009	136000
1453	0	0	7	2006	84500

```
df3_num.isnull().sum()
```

```

Id                0
MSSubClass        0
LotFrontage      259
LotArea          0
OverallQual       0
OverallCond       0
YearBuilt         0
YearRemodAdd      0
MasVnrArea        8
BsmtFinSF1        0
BsmtFinSF2        0
BsmtUnfSF         0
TotalBsmtSF       0
1stFlrSF          0
2ndFlrSF          0
LowQualFinSF      0
GrLivArea         0
BsmtFullBath      0
BsmtHalfBath      0
FullBath          0
HalfBath          0
BedroomAbvGr      0
KitchenAbvGr      0
TotRmsAbvGrd     0
Fireplaces        0
GarageYrBlt       81
GarageCars        0
GarageArea        0
WoodDeckSF        0
OpenPorchSF       0

```

```
EnclosedPorch      0
3SsnPorch           0
ScreenPorch         0
PoolArea            0
MiscVal             0
MoSold              0
YrSold              0
SalePrice           0
dtype: int64
```

```
missing_num_var = [var for var in df3_num.columns if
df3_num[var].isnull().sum()>0]
missing_num_var
```

```
['LotFrontage', 'MasVnrArea', 'GarageYrBlt']
```

```
plt.figure(figsize=(10,10))
sns.set()
for i, var in enumerate(missing_num_var):
    plt.subplot(2,2,i+1)
    sns.distplot(df3_num[var], bins=20, kde_kws={'linewidth':5,
'color': '#DC143C'})
```

```
C:\ProgramData\Anaconda3\lib\site-packages\numpy\lib\
histograms.py:839: RuntimeWarning: invalid value encountered in
greater_equal
```

```
    keep = (tmp_a >= first_edge)
```

```
C:\ProgramData\Anaconda3\lib\site-packages\numpy\lib\
histograms.py:840: RuntimeWarning: invalid value encountered in
less_equal
```

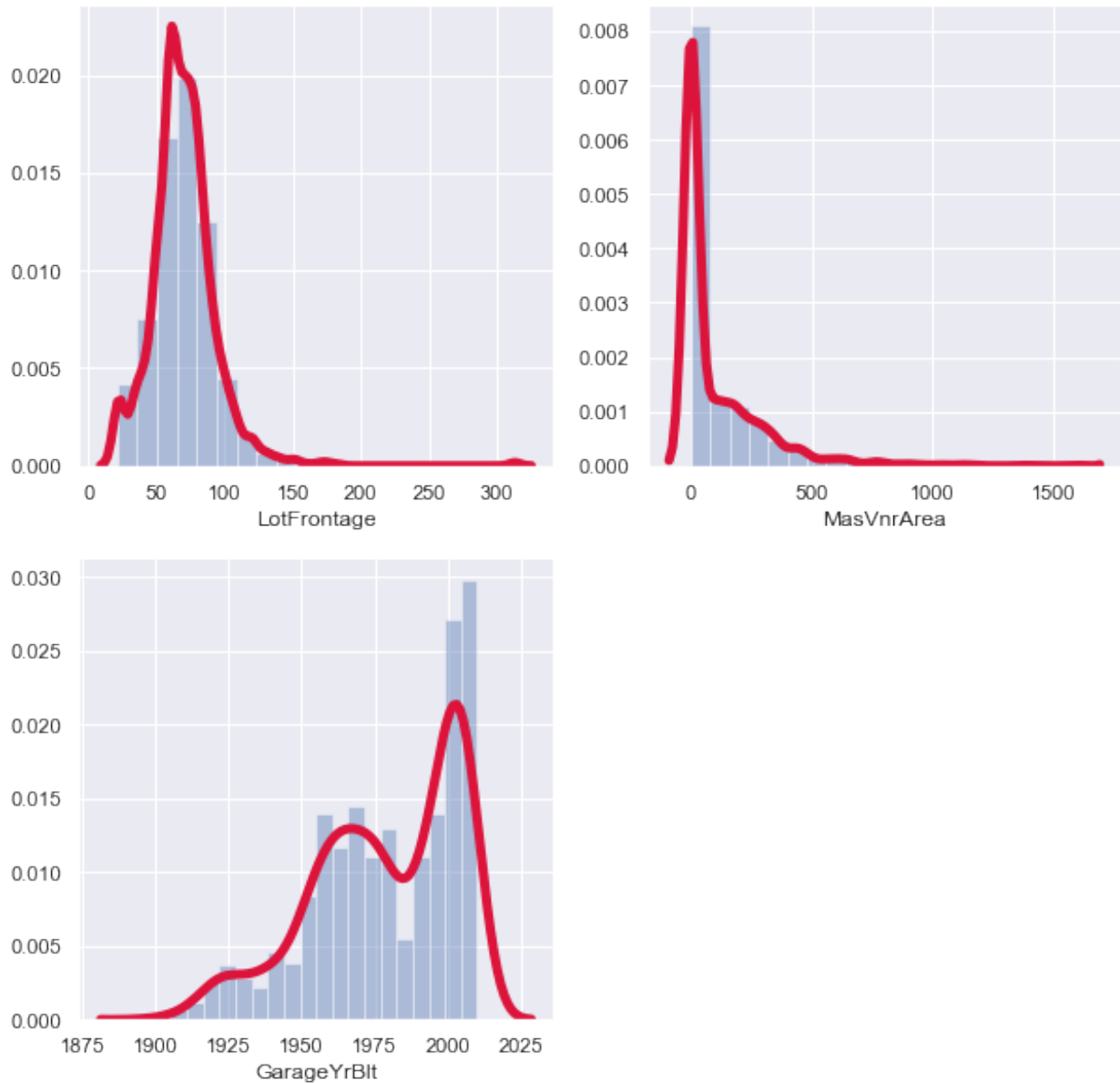
```
    keep &= (tmp_a <= last_edge)
```

```
C:\ProgramData\Anaconda3\lib\site-packages\statsmodels\nonparametric\
kde.py:447: RuntimeWarning: invalid value encountered in greater
```

```
    X = X[np.logical_and(X > clip[0], X < clip[1])] # won't work for two
columns.
```

```
C:\ProgramData\Anaconda3\lib\site-packages\statsmodels\nonparametric\
kde.py:447: RuntimeWarning: invalid value encountered in less
```

```
    X = X[np.logical_and(X > clip[0], X < clip[1])] # won't work for two
columns.
```

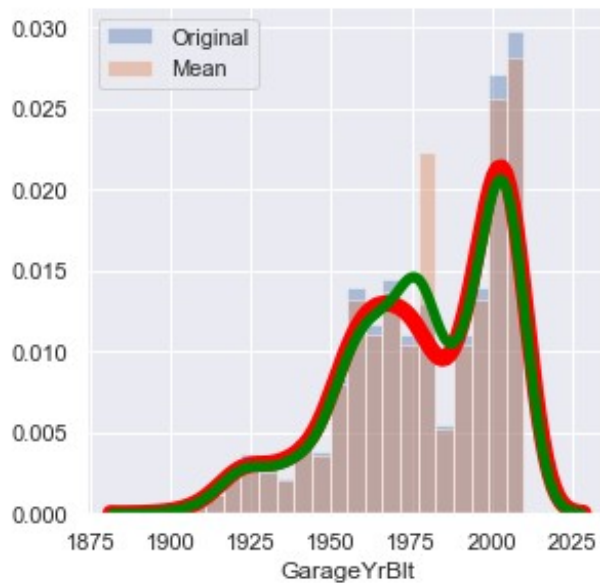
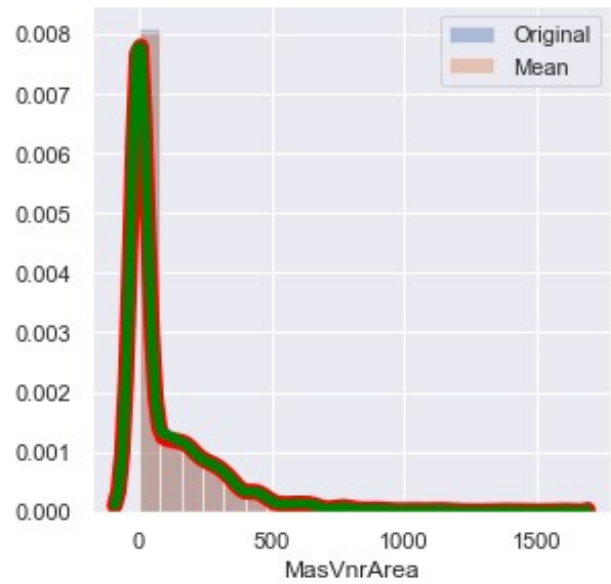
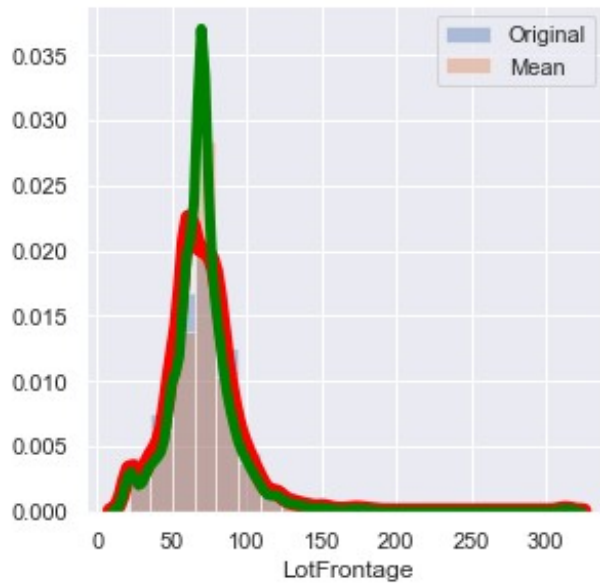


```
df4_num_mean = df3_num.fillna(df3_num.mean())
df4_num_mean.isnull().sum().sum()

0

plt.figure(figsize=(10,10))
sns.set()
for i, var in enumerate(missing_num_var):
    plt.subplot(2,2,i+1)
    sns.distplot(df3_num[var], bins=20, kde_kws={'linewidth':8,
'color':'red'}, label="Original",)
    sns.distplot(df4_num_mean[var], bins=20, kde_kws={'linewidth':5,
'color':'green'},label="Mean",)
    plt.legend()
```

```
C:\ProgramData\Anaconda3\lib\site-packages\numpy\lib\
histograms.py:839: RuntimeWarning: invalid value encountered in
greater_equal
    keep = (tmp_a >= first_edge)
C:\ProgramData\Anaconda3\lib\site-packages\numpy\lib\
histograms.py:840: RuntimeWarning: invalid value encountered in
less_equal
    keep &= (tmp_a <= last_edge)
C:\ProgramData\Anaconda3\lib\site-packages\statsmodels\nonparametric\
kde.py:447: RuntimeWarning: invalid value encountered in greater
    X = X[np.logical_and(X > clip[0], X < clip[1])] # won't work for two
columns.
C:\ProgramData\Anaconda3\lib\site-packages\statsmodels\nonparametric\
kde.py:447: RuntimeWarning: invalid value encountered in less
    X = X[np.logical_and(X > clip[0], X < clip[1])] # won't work for two
columns.
```

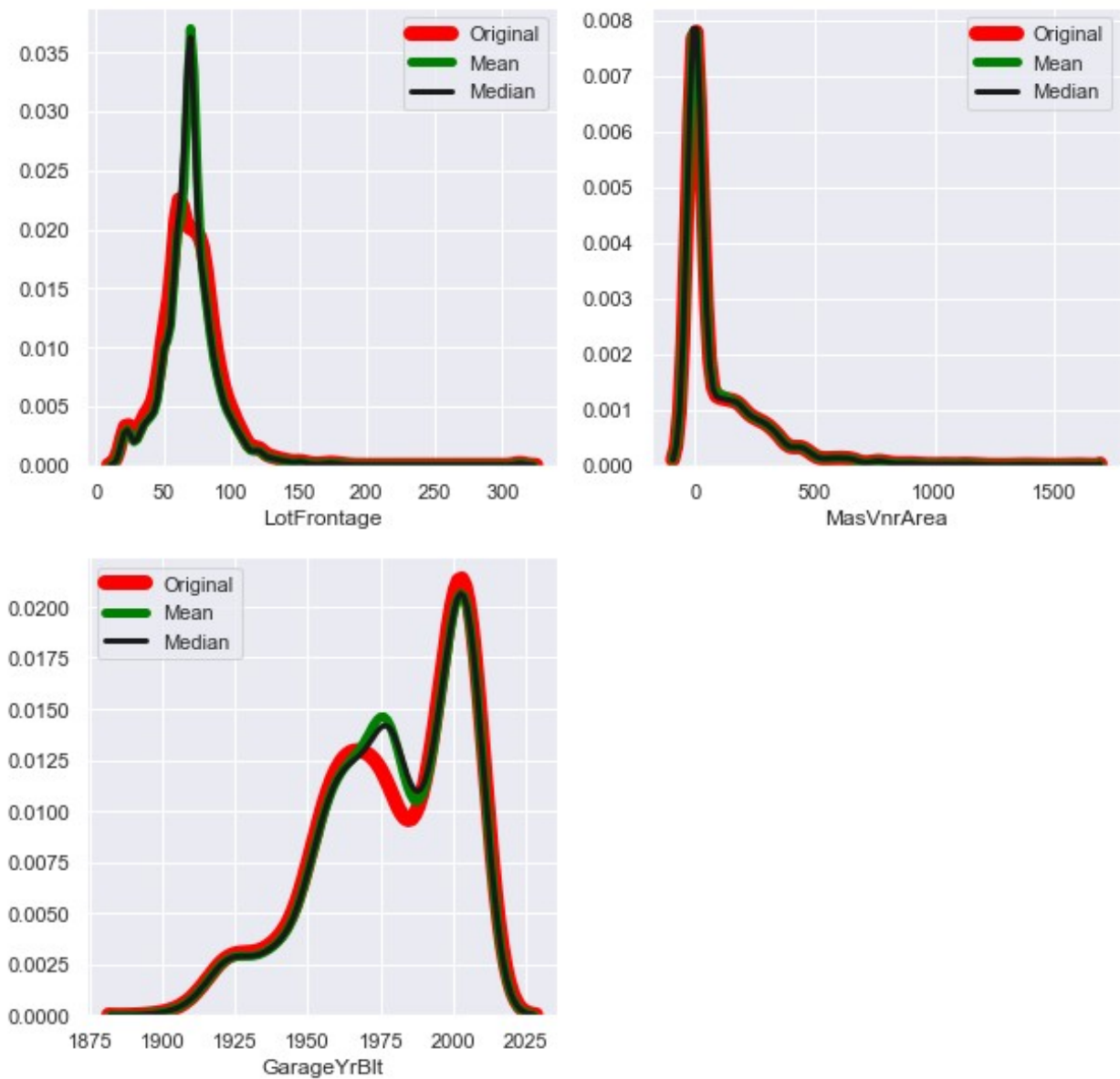


```
df5_num_median = df3_num.fillna(df3_num.median())
df5_num_median.isnull().sum().sum()

0

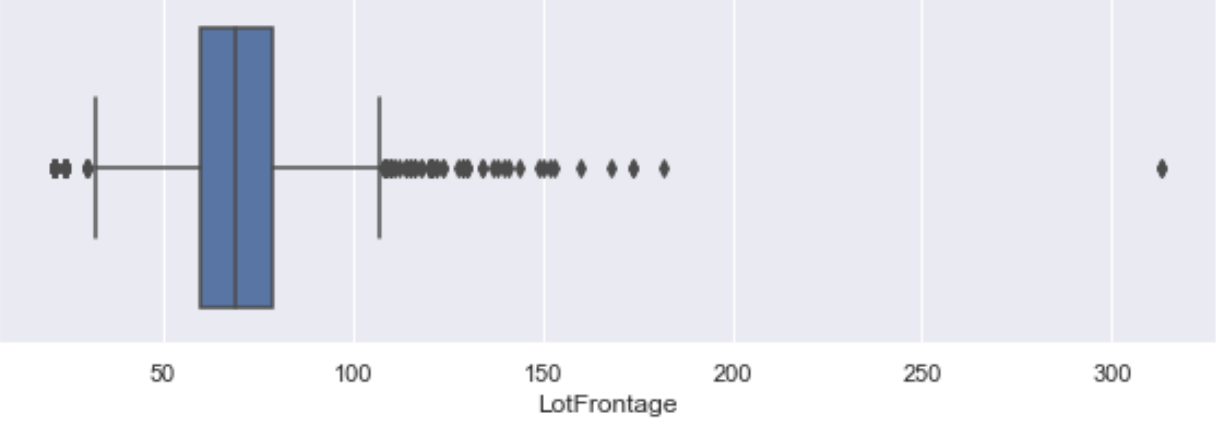
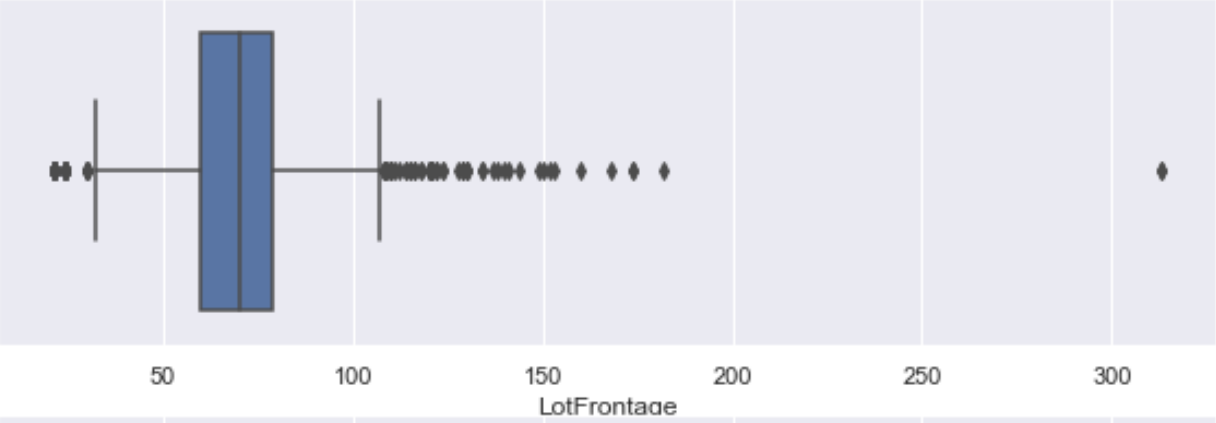
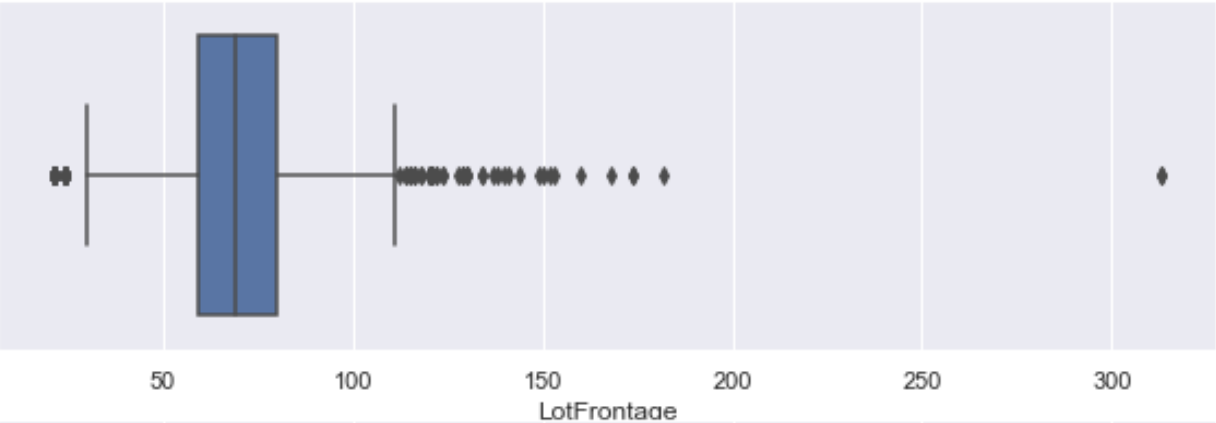
plt.figure(figsize=(10,10))
sns.set()
for i, var in enumerate(missing_num_var):
    plt.subplot(2,2,i+1)
    sns.distplot(df3_num[var], bins=20,hist=False,
kde_kws={'linewidth':8, 'color':'red'}, label="Original",)
    sns.distplot(df4_num_mean[var], bins=20,hist=False,
kde_kws={'linewidth':5, 'color':'green'},label="Mean",)
    sns.distplot(df5_num_median[var], bins=20,hist=False,
```

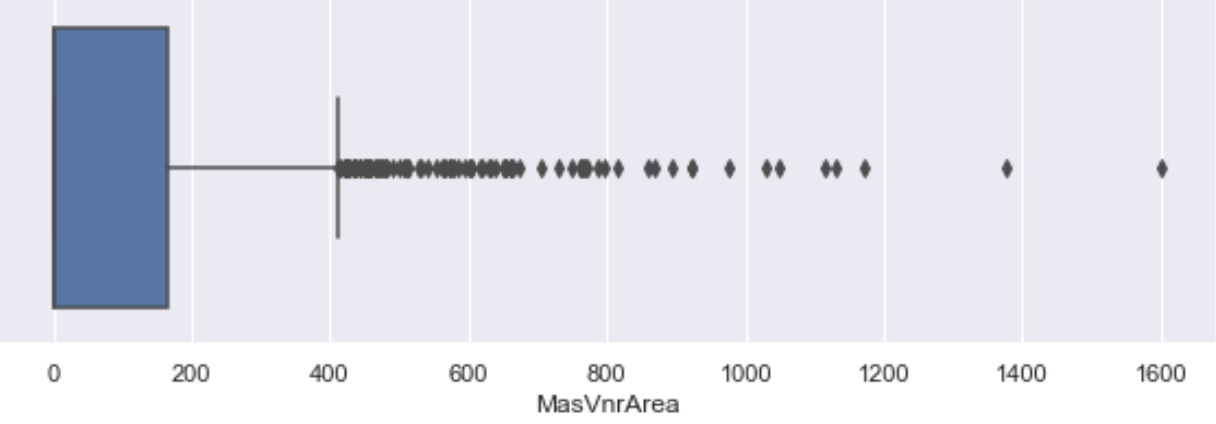
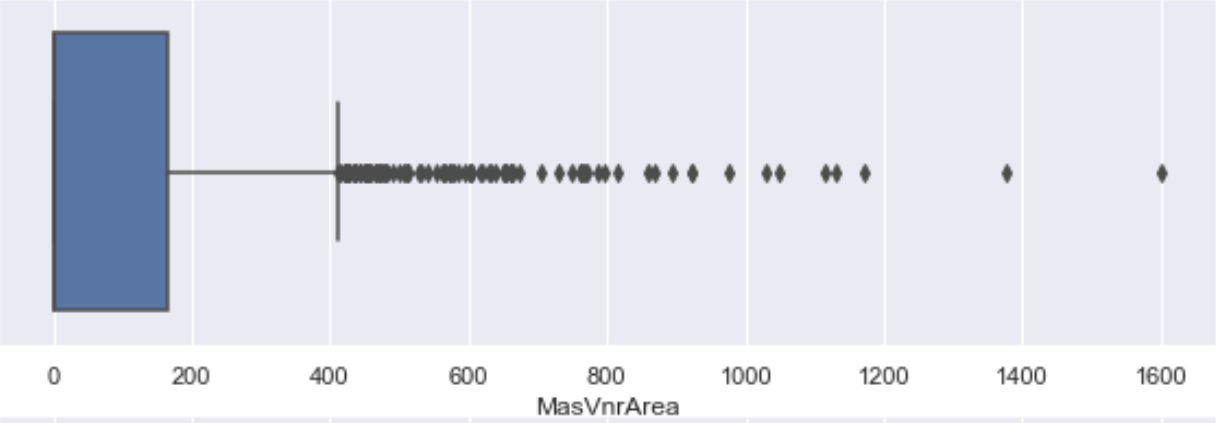
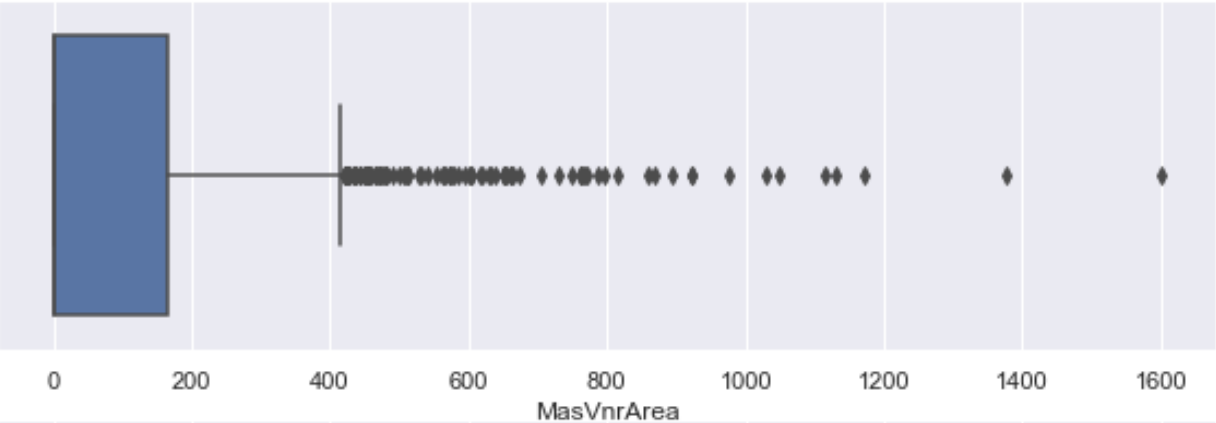
```
kde_kws={'linewidth':3, 'color':'k'},label="Median",)
plt.legend()
```

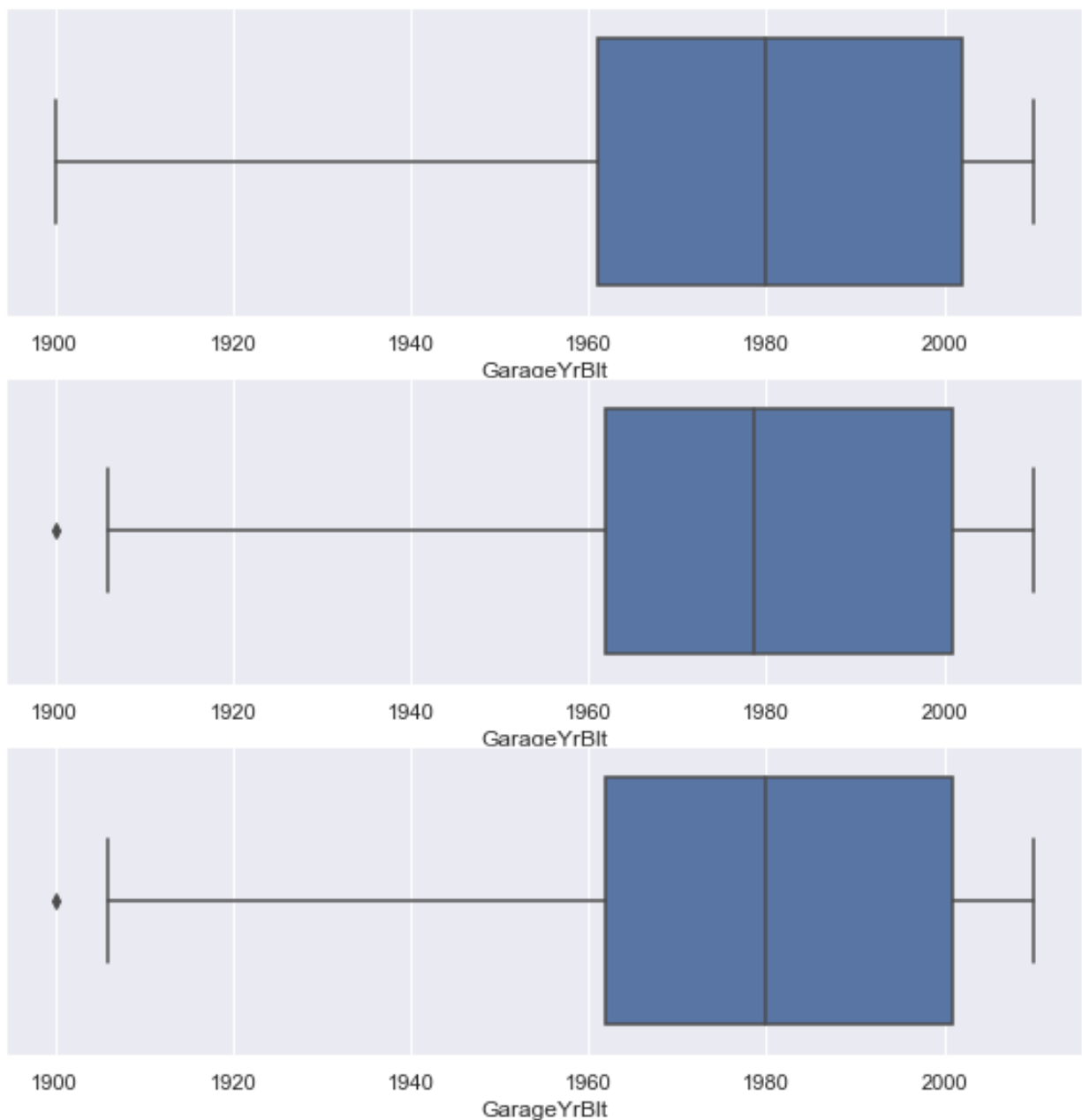


```
for i, var in enumerate(missing_num_var):
    plt.figure(figsize=(10,10))
    plt.subplot(3,1,1)
    sns.boxplot(df[var])
    plt.subplot(3,1,2)
    sns.boxplot(df4_num_mean[var])
    plt.subplot(3,1,3)
    sns.boxplot(df5_num_median[var])
```









```
df_concat =
pd.concat([df3_num[missing_num_var],df4_num_mean[missing_num_var],df5_
num_median[missing_num_var]], axis=1)
```

```
df_concat[df_concat.isnull().any(axis=1)]
```

	LotFrontage	MasVnrArea	GarageYrBlt	LotFrontage	MasVnrArea	\
7	NaN	240.0	1973.0	70.049958	240.000000	
12	NaN	0.0	1962.0	70.049958	0.000000	
14	NaN	212.0	1960.0	70.049958	212.000000	
16	NaN	180.0	1970.0	70.049958	180.000000	

24	NaN	0.0	1968.0	70.049958	0.000000
31	NaN	0.0	1966.0	70.049958	0.000000
39	65.0	0.0	NaN	65.000000	0.000000
42	NaN	0.0	1983.0	70.049958	0.000000
43	NaN	0.0	1977.0	70.049958	0.000000
48	33.0	0.0	NaN	33.000000	0.000000
50	NaN	0.0	1997.0	70.049958	0.000000
64	NaN	573.0	1998.0	70.049958	573.000000
66	NaN	287.0	1970.0	70.049958	287.000000
76	NaN	0.0	1956.0	70.049958	0.000000
78	72.0	0.0	NaN	72.000000	0.000000
84	NaN	22.0	1995.0	70.049958	22.000000
88	105.0	0.0	NaN	105.000000	0.000000
89	60.0	0.0	NaN	60.000000	0.000000
95	NaN	68.0	1993.0	70.049958	68.000000
99	77.0	0.0	NaN	77.000000	0.000000
100	NaN	28.0	1977.0	70.049958	28.000000
104	NaN	600.0	1951.0	70.049958	600.000000
108	85.0	0.0	NaN	85.000000	0.000000
111	NaN	0.0	2000.0	70.049958	0.000000
113	NaN	184.0	1953.0	70.049958	184.000000
116	NaN	116.0	1962.0	70.049958	116.000000
120	NaN	0.0	1969.0	70.049958	0.000000
125	60.0	0.0	NaN	60.000000	0.000000
126	NaN	0.0	1977.0	70.049958	0.000000
127	55.0	0.0	NaN	55.000000	0.000000
131	NaN	40.0	2000.0	70.049958	40.000000
133	NaN	136.0	2001.0	70.049958	136.000000
136	NaN	196.0	1967.0	70.049958	196.000000
140	70.0	0.0	NaN	70.000000	0.000000
147	NaN	180.0	2001.0	70.049958	180.000000
148	63.0	120.0	NaN	63.000000	120.000000
149	NaN	0.0	1936.0	70.049958	0.000000
152	NaN	252.0	1971.0	70.049958	252.000000
153	NaN	0.0	1960.0	70.049958	0.000000
155	60.0	0.0	NaN	60.000000	0.000000
160	NaN	0.0	1984.0	70.049958	0.000000
163	55.0	0.0	NaN	55.000000	0.000000
165	62.0	0.0	NaN	62.000000	0.000000
166	NaN	0.0	1955.0	70.049958	0.000000
169	NaN	653.0	1981.0	70.049958	653.000000
170	NaN	0.0	1991.0	70.049958	0.000000
177	NaN	0.0	1958.0	70.049958	0.000000
180	NaN	456.0	2000.0	70.049958	456.000000
186	NaN	0.0	1990.0	70.049958	0.000000
191	NaN	138.0	1972.0	70.049958	138.000000
198	92.0	0.0	NaN	92.000000	0.000000
203	NaN	205.0	2004.0	70.049958	205.000000
207	NaN	0.0	1960.0	70.049958	0.000000

208	NaN	128.0	1988.0	70.049958	128.000000
210	67.0	0.0	NaN	67.000000	0.000000
214	NaN	153.0	1977.0	70.049958	153.000000
218	NaN	312.0	1939.0	70.049958	312.000000
221	NaN	0.0	2002.0	70.049958	0.000000
234	NaN	NaN	2002.0	70.049958	103.685262
237	NaN	0.0	1993.0	70.049958	0.000000
241	40.0	0.0	NaN	40.000000	0.000000
244	NaN	0.0	1994.0	70.049958	0.000000
249	NaN	472.0	1958.0	70.049958	472.000000
250	55.0	0.0	NaN	55.000000	0.000000
269	NaN	174.0	1987.0	70.049958	174.000000
287	NaN	0.0	NaN	70.049958	0.000000
288	NaN	31.0	1970.0	70.049958	31.000000
291	55.0	0.0	NaN	55.000000	0.000000
293	NaN	34.0	1977.0	70.049958	34.000000
307	NaN	0.0	NaN	70.049958	0.000000
308	NaN	0.0	1961.0	70.049958	0.000000
310	NaN	112.0	1993.0	70.049958	112.000000
319	NaN	225.0	1980.0	70.049958	225.000000
328	NaN	0.0	1930.0	70.049958	0.000000
330	NaN	84.0	2002.0	70.049958	84.000000
335	NaN	0.0	1965.0	70.049958	0.000000
342	NaN	340.0	1949.0	70.049958	340.000000
346	NaN	0.0	1960.0	70.049958	0.000000
347	NaN	30.0	1960.0	70.049958	30.000000
351	NaN	0.0	1986.0	70.049958	0.000000
356	NaN	106.0	1992.0	70.049958	106.000000
360	NaN	0.0	1978.0	70.049958	0.000000
361	NaN	0.0	1940.0	70.049958	0.000000
364	NaN	120.0	1976.0	70.049958	120.000000
366	NaN	247.0	1963.0	70.049958	247.000000
369	NaN	0.0	1997.0	70.049958	0.000000
370	NaN	0.0	2000.0	70.049958	0.000000
375	NaN	0.0	NaN	70.049958	0.000000
384	NaN	0.0	1992.0	70.049958	0.000000
386	58.0	0.0	NaN	58.000000	0.000000
392	NaN	0.0	1959.0	70.049958	0.000000
393	NaN	0.0	NaN	70.049958	0.000000
404	NaN	0.0	1995.0	70.049958	0.000000
405	NaN	0.0	1993.0	70.049958	0.000000
412	NaN	432.0	2009.0	70.049958	432.000000
421	NaN	126.0	1977.0	70.049958	126.000000
426	NaN	145.0	1989.0	70.049958	145.000000
431	60.0	0.0	NaN	60.000000	0.000000
434	21.0	0.0	NaN	21.000000	0.000000
441	92.0	270.0	NaN	92.000000	270.000000
447	NaN	0.0	1998.0	70.049958	0.000000
452	NaN	42.0	1996.0	70.049958	42.000000

457	NaN	0.0	1954.0	70.049958	0.000000
458	NaN	0.0	1925.0	70.049958	0.000000
459	NaN	161.0	1950.0	70.049958	161.000000
464	60.0	136.0	NaN	60.000000	136.000000
465	NaN	18.0	2004.0	70.049958	18.000000
470	NaN	0.0	1985.0	70.049958	0.000000
484	NaN	0.0	1963.0	70.049958	0.000000
490	NaN	0.0	1976.0	70.049958	0.000000
495	60.0	0.0	NaN	60.000000	0.000000
496	NaN	0.0	1992.0	70.049958	0.000000
516	NaN	333.0	1972.0	70.049958	333.000000
518	NaN	0.0	1998.0	70.049958	0.000000
520	60.0	0.0	NaN	60.000000	0.000000
528	58.0	0.0	NaN	58.000000	0.000000
529	NaN	NaN	1975.0	70.049958	103.685262
533	50.0	0.0	NaN	50.000000	0.000000
535	70.0	0.0	NaN	70.000000	0.000000
537	NaN	0.0	1980.0	70.049958	0.000000
538	NaN	188.0	1968.0	70.049958	188.000000
539	NaN	479.0	2001.0	70.049958	479.000000
541	NaN	72.0	2000.0	70.049958	72.000000
545	NaN	178.0	1988.0	70.049958	178.000000
559	NaN	18.0	2003.0	70.049958	18.000000
560	NaN	180.0	1957.0	70.049958	180.000000
562	63.0	0.0	NaN	63.000000	0.000000
564	NaN	0.0	1992.0	70.049958	0.000000
569	NaN	0.0	1979.0	70.049958	0.000000
580	NaN	85.0	1960.0	70.049958	85.000000
582	81.0	104.0	NaN	81.000000	104.000000
593	NaN	170.0	2003.0	70.049958	170.000000
610	NaN	204.0	2000.0	70.049958	204.000000
611	NaN	233.0	1978.0	70.049958	233.000000
612	NaN	108.0	2001.0	70.049958	108.000000
613	70.0	0.0	NaN	70.000000	0.000000
614	21.0	0.0	NaN	21.000000	0.000000
616	NaN	0.0	2002.0	70.049958	0.000000
620	45.0	0.0	NaN	45.000000	0.000000
623	NaN	513.0	2000.0	70.049958	513.000000
626	NaN	0.0	1960.0	70.049958	0.000000
635	60.0	0.0	NaN	60.000000	0.000000
636	51.0	0.0	NaN	51.000000	0.000000
638	67.0	0.0	NaN	67.000000	0.000000
641	NaN	0.0	2001.0	70.049958	0.000000
645	NaN	0.0	1979.0	70.049958	0.000000
649	21.0	0.0	NaN	21.000000	0.000000
650	65.0	NaN	2007.0	65.000000	103.685262
660	NaN	233.0	1976.0	70.049958	233.000000
666	NaN	113.0	1965.0	70.049958	113.000000
668	NaN	0.0	1999.0	70.049958	0.000000

672	NaN	0.0	1977.0	70.049958	0.000000
679	NaN	57.0	1963.0	70.049958	57.000000
682	NaN	0.0	1996.0	70.049958	0.000000
685	NaN	0.0	1984.0	70.049958	0.000000
687	NaN	0.0	2004.0	70.049958	0.000000
690	NaN	147.0	2004.0	70.049958	147.000000
705	70.0	0.0	NaN	70.000000	0.000000
706	NaN	351.0	1971.0	70.049958	351.000000
709	NaN	41.0	1966.0	70.049958	41.000000
710	56.0	0.0	NaN	56.000000	0.000000
714	NaN	289.0	1976.0	70.049958	289.000000
720	NaN	0.0	1985.0	70.049958	0.000000
721	NaN	169.0	2004.0	70.049958	169.000000
726	NaN	260.0	1988.0	70.049958	260.000000
734	NaN	0.0	1968.0	70.049958	0.000000
738	60.0	0.0	NaN	60.000000	0.000000
745	NaN	289.0	1994.0	70.049958	289.000000
746	NaN	0.0	2000.0	70.049958	0.000000
750	55.0	0.0	NaN	55.000000	0.000000
751	NaN	0.0	2003.0	70.049958	0.000000
757	NaN	328.0	1978.0	70.049958	328.000000
770	NaN	0.0	1983.0	70.049958	0.000000
783	NaN	104.0	1978.0	70.049958	104.000000
784	35.0	0.0	NaN	35.000000	0.000000
785	NaN	0.0	1967.0	70.049958	0.000000
789	NaN	157.0	1966.0	70.049958	157.000000
791	NaN	0.0	1976.0	70.049958	0.000000
794	NaN	0.0	1994.0	70.049958	0.000000
811	NaN	169.0	2004.0	70.049958	169.000000
816	NaN	0.0	1954.0	70.049958	0.000000
817	NaN	148.0	2002.0	70.049958	148.000000
822	NaN	0.0	2003.0	70.049958	0.000000
826	50.0	0.0	NaN	50.000000	0.000000
828	NaN	0.0	1967.0	70.049958	0.000000
840	NaN	0.0	1934.0	70.049958	0.000000
843	80.0	0.0	NaN	80.000000	0.000000
845	NaN	0.0	1975.0	70.049958	0.000000
851	NaN	40.0	2003.0	70.049958	40.000000
853	NaN	115.0	1964.0	70.049958	115.000000
855	NaN	0.0	1962.0	70.049958	0.000000
856	NaN	0.0	1981.0	70.049958	0.000000
859	NaN	220.0	1968.0	70.049958	220.000000
865	NaN	76.0	1973.0	70.049958	76.000000
868	NaN	0.0	1979.0	70.049958	0.000000
879	NaN	90.0	1978.0	70.049958	90.000000
882	NaN	0.0	1993.0	70.049958	0.000000
893	NaN	0.0	1954.0	70.049958	0.000000
900	NaN	0.0	1979.0	70.049958	0.000000
904	NaN	75.0	1967.0	70.049958	75.000000

908	NaN	0.0	1983.0	70.049958	0.000000
911	NaN	0.0	1978.0	70.049958	0.000000
917	NaN	0.0	1956.0	70.049958	0.000000
921	67.0	0.0	NaN	67.000000	0.000000
925	NaN	0.0	1977.0	70.049958	0.000000
927	NaN	342.0	1968.0	70.049958	342.000000
928	NaN	0.0	2001.0	70.049958	0.000000
929	NaN	285.0	1997.0	70.049958	285.000000
936	67.0	NaN	2003.0	67.000000	103.685262
939	NaN	0.0	1940.0	70.049958	0.000000
941	NaN	298.0	1999.0	70.049958	298.000000
942	42.0	0.0	NaN	42.000000	0.000000
944	NaN	541.0	1958.0	70.049958	541.000000
953	NaN	232.0	1969.0	70.049958	232.000000
954	35.0	250.0	NaN	35.000000	250.000000
960	50.0	0.0	NaN	50.000000	0.000000
961	NaN	424.0	1977.0	70.049958	424.000000
967	NaN	151.0	1955.0	70.049958	151.000000
968	50.0	0.0	NaN	50.000000	0.000000
970	60.0	0.0	NaN	60.000000	0.000000
973	95.0	NaN	2007.0	95.000000	103.685262
975	NaN	0.0	2000.0	70.049958	0.000000
976	51.0	0.0	NaN	51.000000	0.000000
977	35.0	NaN	2007.0	35.000000	103.685262
980	NaN	210.0	1961.0	70.049958	210.000000
983	NaN	0.0	2002.0	70.049958	0.000000
988	NaN	298.0	1976.0	70.049958	298.000000
996	NaN	0.0	1961.0	70.049958	0.000000
997	NaN	571.0	1970.0	70.049958	571.000000
1003	NaN	164.0	1976.0	70.049958	164.000000
1006	NaN	0.0	1970.0	70.049958	0.000000
1009	60.0	0.0	NaN	60.000000	0.000000
1011	75.0	0.0	NaN	75.000000	0.000000
1017	NaN	0.0	1984.0	70.049958	0.000000
1018	NaN	76.0	1991.0	70.049958	76.000000
1024	NaN	0.0	1976.0	70.049958	0.000000
1030	NaN	0.0	NaN	70.049958	0.000000
1032	NaN	0.0	1993.0	70.049958	0.000000
1033	NaN	295.0	2002.0	70.049958	295.000000
1035	NaN	0.0	1957.0	70.049958	0.000000
1037	NaN	396.0	2001.0	70.049958	396.000000
1038	21.0	0.0	NaN	21.000000	0.000000
1041	NaN	252.0	1966.0	70.049958	252.000000
1045	NaN	0.0	1955.0	70.049958	0.000000
1057	NaN	0.0	1994.0	70.049958	0.000000
1059	NaN	480.0	1977.0	70.049958	480.000000
1064	NaN	200.0	1966.0	70.049958	200.000000
1077	NaN	0.0	1969.0	70.049958	0.000000
1084	NaN	0.0	1995.0	70.049958	0.000000



1086	NaN	0.0	1973.0	70.049958	0.000000
1096	60.0	0.0	NaN	60.000000	0.000000
1097	NaN	0.0	1987.0	70.049958	0.000000
1108	NaN	0.0	2000.0	70.049958	0.000000
1110	NaN	0.0	1995.0	70.049958	0.000000
1116	NaN	0.0	2002.0	70.049958	0.000000
1122	NaN	0.0	1956.0	70.049958	0.000000
1123	50.0	0.0	NaN	50.000000	0.000000
1124	NaN	170.0	1992.0	70.049958	170.000000
1131	63.0	0.0	NaN	63.000000	0.000000
1137	54.0	0.0	NaN	54.000000	0.000000
1138	NaN	0.0	1977.0	70.049958	0.000000
1141	NaN	44.0	1976.0	70.049958	44.000000
1143	NaN	0.0	NaN	70.049958	0.000000
1146	NaN	85.0	1985.0	70.049958	85.000000
1148	NaN	0.0	1982.0	70.049958	0.000000
1153	NaN	0.0	2002.0	70.049958	0.000000
1154	NaN	288.0	1965.0	70.049958	288.000000
1161	NaN	72.0	1993.0	70.049958	72.000000
1164	NaN	0.0	1978.0	70.049958	0.000000
1173	138.0	0.0	NaN	138.000000	0.000000
1177	NaN	0.0	1926.0	70.049958	0.000000
1179	77.0	0.0	NaN	77.000000	0.000000
1180	NaN	0.0	1990.0	70.049958	0.000000
1190	NaN	149.0	1975.0	70.049958	149.000000
1193	NaN	425.0	1999.0	70.049958	425.000000
1206	NaN	0.0	1966.0	70.049958	0.000000
1213	NaN	0.0	1965.0	70.049958	0.000000
1218	52.0	0.0	NaN	52.000000	0.000000
1219	21.0	236.0	NaN	21.000000	236.000000
1230	NaN	1.0	1977.0	70.049958	1.000000
1233	NaN	180.0	1959.0	70.049958	180.000000
1234	55.0	0.0	NaN	55.000000	0.000000
1243	107.0	NaN	2006.0	107.000000	103.685262
1244	NaN	0.0	1931.0	70.049958	0.000000
1247	NaN	335.0	1976.0	70.049958	335.000000
1251	NaN	163.0	2003.0	70.049958	163.000000
1253	NaN	0.0	1974.0	70.049958	0.000000
1257	56.0	0.0	NaN	56.000000	0.000000
1260	NaN	0.0	1999.0	70.049958	0.000000
1262	NaN	0.0	1957.0	70.049958	0.000000
1268	NaN	632.0	1982.0	70.049958	632.000000
1270	NaN	0.0	1979.0	70.049958	0.000000
1271	NaN	0.0	1968.0	70.049958	0.000000
1272	NaN	114.0	1965.0	70.049958	114.000000
1276	NaN	0.0	1972.0	70.049958	0.000000
1277	NaN	359.0	1967.0	70.049958	359.000000
1278	75.0	NaN	2002.0	75.000000	103.685262
1283	94.0	0.0	NaN	94.000000	0.000000

1286	NaN	451.0	1963.0	70.049958	451.000000
1287	NaN	621.0	1964.0	70.049958	621.000000
1290	NaN	86.0	1964.0	70.049958	86.000000
1300	NaN	344.0	1999.0	70.049958	344.000000
1301	NaN	0.0	1942.0	70.049958	0.000000
1309	NaN	88.0	1991.0	70.049958	88.000000
1312	NaN	336.0	1990.0	70.049958	336.000000
1318	NaN	178.0	2001.0	70.049958	178.000000
1321	NaN	0.0	1955.0	70.049958	0.000000
1323	50.0	0.0	NaN	50.000000	0.000000
1325	40.0	0.0	NaN	40.000000	0.000000
1326	70.0	0.0	NaN	70.000000	0.000000
1337	153.0	0.0	NaN	153.000000	0.000000
1342	NaN	149.0	2002.0	70.049958	149.000000
1346	NaN	0.0	1968.0	70.049958	0.000000
1348	NaN	0.0	1998.0	70.049958	0.000000
1349	50.0	0.0	NaN	50.000000	0.000000
1354	NaN	0.0	2000.0	70.049958	0.000000
1356	NaN	65.0	1966.0	70.049958	65.000000
1357	NaN	0.0	1971.0	70.049958	0.000000
1358	NaN	216.0	2000.0	70.049958	216.000000
1362	NaN	0.0	1920.0	70.049958	0.000000
1365	NaN	0.0	2000.0	70.049958	0.000000
1368	NaN	170.0	2003.0	70.049958	170.000000
1373	NaN	705.0	2001.0	70.049958	705.000000
1381	NaN	0.0	1970.0	70.049958	0.000000
1383	NaN	0.0	2007.0	70.049958	0.000000
1396	NaN	0.0	1966.0	70.049958	0.000000
1407	NaN	0.0	NaN	70.049958	0.000000
1417	NaN	731.0	1998.0	70.049958	731.000000
1419	NaN	312.0	1969.0	70.049958	312.000000
1423	NaN	0.0	1966.0	70.049958	0.000000
1424	NaN	0.0	1970.0	70.049958	0.000000
1429	NaN	310.0	1981.0	70.049958	310.000000
1431	NaN	0.0	1976.0	70.049958	0.000000
1441	NaN	147.0	2004.0	70.049958	147.000000
1443	NaN	0.0	1916.0	70.049958	0.000000
1446	NaN	189.0	1962.0	70.049958	189.000000
1449	21.0	0.0	NaN	21.000000	0.000000
1450	60.0	0.0	NaN	60.000000	0.000000
1453	90.0	0.0	NaN	90.000000	0.000000

	GarageYrBlt	LotFrontage	MasVnrArea	GarageYrBlt
7	1973.000000	69.0	240.0	1973.0
12	1962.000000	69.0	0.0	1962.0
14	1960.000000	69.0	212.0	1960.0
16	1970.000000	69.0	180.0	1970.0
24	1968.000000	69.0	0.0	1968.0
31	1966.000000	69.0	0.0	1966.0

39	1978.506164	65.0	0.0	1980.0
42	1983.000000	69.0	0.0	1983.0
43	1977.000000	69.0	0.0	1977.0
48	1978.506164	33.0	0.0	1980.0
50	1997.000000	69.0	0.0	1997.0
64	1998.000000	69.0	573.0	1998.0
66	1970.000000	69.0	287.0	1970.0
76	1956.000000	69.0	0.0	1956.0
78	1978.506164	72.0	0.0	1980.0
84	1995.000000	69.0	22.0	1995.0
88	1978.506164	105.0	0.0	1980.0
89	1978.506164	60.0	0.0	1980.0
95	1993.000000	69.0	68.0	1993.0
99	1978.506164	77.0	0.0	1980.0
100	1977.000000	69.0	28.0	1977.0
104	1951.000000	69.0	600.0	1951.0
108	1978.506164	85.0	0.0	1980.0
111	2000.000000	69.0	0.0	2000.0
113	1953.000000	69.0	184.0	1953.0
116	1962.000000	69.0	116.0	1962.0
120	1969.000000	69.0	0.0	1969.0
125	1978.506164	60.0	0.0	1980.0
126	1977.000000	69.0	0.0	1977.0
127	1978.506164	55.0	0.0	1980.0
131	2000.000000	69.0	40.0	2000.0
133	2001.000000	69.0	136.0	2001.0
136	1967.000000	69.0	196.0	1967.0
140	1978.506164	70.0	0.0	1980.0
147	2001.000000	69.0	180.0	2001.0
148	1978.506164	63.0	120.0	1980.0
149	1936.000000	69.0	0.0	1936.0
152	1971.000000	69.0	252.0	1971.0
153	1960.000000	69.0	0.0	1960.0
155	1978.506164	60.0	0.0	1980.0
160	1984.000000	69.0	0.0	1984.0
163	1978.506164	55.0	0.0	1980.0
165	1978.506164	62.0	0.0	1980.0
166	1955.000000	69.0	0.0	1955.0
169	1981.000000	69.0	653.0	1981.0
170	1991.000000	69.0	0.0	1991.0
177	1958.000000	69.0	0.0	1958.0
180	2000.000000	69.0	456.0	2000.0
186	1990.000000	69.0	0.0	1990.0
191	1972.000000	69.0	138.0	1972.0
198	1978.506164	92.0	0.0	1980.0
203	2004.000000	69.0	205.0	2004.0
207	1960.000000	69.0	0.0	1960.0
208	1988.000000	69.0	128.0	1988.0
210	1978.506164	67.0	0.0	1980.0

214	1977.000000	69.0	153.0	1977.0
218	1939.000000	69.0	312.0	1939.0
221	2002.000000	69.0	0.0	2002.0
234	2002.000000	69.0	0.0	2002.0
237	1993.000000	69.0	0.0	1993.0
241	1978.506164	40.0	0.0	1980.0
244	1994.000000	69.0	0.0	1994.0
249	1958.000000	69.0	472.0	1958.0
250	1978.506164	55.0	0.0	1980.0
269	1987.000000	69.0	174.0	1987.0
287	1978.506164	69.0	0.0	1980.0
288	1970.000000	69.0	31.0	1970.0
291	1978.506164	55.0	0.0	1980.0
293	1977.000000	69.0	34.0	1977.0
307	1978.506164	69.0	0.0	1980.0
308	1961.000000	69.0	0.0	1961.0
310	1993.000000	69.0	112.0	1993.0
319	1980.000000	69.0	225.0	1980.0
328	1930.000000	69.0	0.0	1930.0
330	2002.000000	69.0	84.0	2002.0
335	1965.000000	69.0	0.0	1965.0
342	1949.000000	69.0	340.0	1949.0
346	1960.000000	69.0	0.0	1960.0
347	1960.000000	69.0	30.0	1960.0
351	1986.000000	69.0	0.0	1986.0
356	1992.000000	69.0	106.0	1992.0
360	1978.000000	69.0	0.0	1978.0
361	1940.000000	69.0	0.0	1940.0
364	1976.000000	69.0	120.0	1976.0
366	1963.000000	69.0	247.0	1963.0
369	1997.000000	69.0	0.0	1997.0
370	2000.000000	69.0	0.0	2000.0
375	1978.506164	69.0	0.0	1980.0
384	1992.000000	69.0	0.0	1992.0
386	1978.506164	58.0	0.0	1980.0
392	1959.000000	69.0	0.0	1959.0
393	1978.506164	69.0	0.0	1980.0
404	1995.000000	69.0	0.0	1995.0
405	1993.000000	69.0	0.0	1993.0
412	2009.000000	69.0	432.0	2009.0
421	1977.000000	69.0	126.0	1977.0
426	1989.000000	69.0	145.0	1989.0
431	1978.506164	60.0	0.0	1980.0
434	1978.506164	21.0	0.0	1980.0
441	1978.506164	92.0	270.0	1980.0
447	1998.000000	69.0	0.0	1998.0
452	1996.000000	69.0	42.0	1996.0
457	1954.000000	69.0	0.0	1954.0
458	1925.000000	69.0	0.0	1925.0

459	1950.000000	69.0	161.0	1950.0
464	1978.506164	60.0	136.0	1980.0
465	2004.000000	69.0	18.0	2004.0
470	1985.000000	69.0	0.0	1985.0
484	1963.000000	69.0	0.0	1963.0
490	1976.000000	69.0	0.0	1976.0
495	1978.506164	60.0	0.0	1980.0
496	1992.000000	69.0	0.0	1992.0
516	1972.000000	69.0	333.0	1972.0
518	1998.000000	69.0	0.0	1998.0
520	1978.506164	60.0	0.0	1980.0
528	1978.506164	58.0	0.0	1980.0
529	1975.000000	69.0	0.0	1975.0
533	1978.506164	50.0	0.0	1980.0
535	1978.506164	70.0	0.0	1980.0
537	1980.000000	69.0	0.0	1980.0
538	1968.000000	69.0	188.0	1968.0
539	2001.000000	69.0	479.0	2001.0
541	2000.000000	69.0	72.0	2000.0
545	1988.000000	69.0	178.0	1988.0
559	2003.000000	69.0	18.0	2003.0
560	1957.000000	69.0	180.0	1957.0
562	1978.506164	63.0	0.0	1980.0
564	1992.000000	69.0	0.0	1992.0
569	1979.000000	69.0	0.0	1979.0
580	1960.000000	69.0	85.0	1960.0
582	1978.506164	81.0	104.0	1980.0
593	2003.000000	69.0	170.0	2003.0
610	2000.000000	69.0	204.0	2000.0
611	1978.000000	69.0	233.0	1978.0
612	2001.000000	69.0	108.0	2001.0
613	1978.506164	70.0	0.0	1980.0
614	1978.506164	21.0	0.0	1980.0
616	2002.000000	69.0	0.0	2002.0
620	1978.506164	45.0	0.0	1980.0
623	2000.000000	69.0	513.0	2000.0
626	1960.000000	69.0	0.0	1960.0
635	1978.506164	60.0	0.0	1980.0
636	1978.506164	51.0	0.0	1980.0
638	1978.506164	67.0	0.0	1980.0
641	2001.000000	69.0	0.0	2001.0
645	1979.000000	69.0	0.0	1979.0
649	1978.506164	21.0	0.0	1980.0
650	2007.000000	65.0	0.0	2007.0
660	1976.000000	69.0	233.0	1976.0
666	1965.000000	69.0	113.0	1965.0
668	1999.000000	69.0	0.0	1999.0
672	1977.000000	69.0	0.0	1977.0
679	1963.000000	69.0	57.0	1963.0
682	1996.000000	69.0	0.0	1996.0

685	1984.000000	69.0	0.0	1984.0
687	2004.000000	69.0	0.0	2004.0
690	2004.000000	69.0	147.0	2004.0
705	1978.506164	70.0	0.0	1980.0
706	1971.000000	69.0	351.0	1971.0
709	1966.000000	69.0	41.0	1966.0
710	1978.506164	56.0	0.0	1980.0
714	1976.000000	69.0	289.0	1976.0
720	1985.000000	69.0	0.0	1985.0
721	2004.000000	69.0	169.0	2004.0
726	1988.000000	69.0	260.0	1988.0
734	1968.000000	69.0	0.0	1968.0
738	1978.506164	60.0	0.0	1980.0
745	1994.000000	69.0	289.0	1994.0
746	2000.000000	69.0	0.0	2000.0
750	1978.506164	55.0	0.0	1980.0
751	2003.000000	69.0	0.0	2003.0
757	1978.000000	69.0	328.0	1978.0
770	1983.000000	69.0	0.0	1983.0
783	1978.000000	69.0	104.0	1978.0
784	1978.506164	35.0	0.0	1980.0
785	1967.000000	69.0	0.0	1967.0
789	1966.000000	69.0	157.0	1966.0
791	1976.000000	69.0	0.0	1976.0
794	1994.000000	69.0	0.0	1994.0
811	2004.000000	69.0	169.0	2004.0
816	1954.000000	69.0	0.0	1954.0
817	2002.000000	69.0	148.0	2002.0
822	2003.000000	69.0	0.0	2003.0
826	1978.506164	50.0	0.0	1980.0
828	1967.000000	69.0	0.0	1967.0
840	1934.000000	69.0	0.0	1934.0
843	1978.506164	80.0	0.0	1980.0
845	1975.000000	69.0	0.0	1975.0
851	2003.000000	69.0	40.0	2003.0
853	1964.000000	69.0	115.0	1964.0
855	1962.000000	69.0	0.0	1962.0
856	1981.000000	69.0	0.0	1981.0
859	1968.000000	69.0	220.0	1968.0
865	1973.000000	69.0	76.0	1973.0
868	1979.000000	69.0	0.0	1979.0
879	1978.000000	69.0	90.0	1978.0
882	1993.000000	69.0	0.0	1993.0
893	1954.000000	69.0	0.0	1954.0
900	1979.000000	69.0	0.0	1979.0
904	1967.000000	69.0	75.0	1967.0
908	1983.000000	69.0	0.0	1983.0
911	1978.000000	69.0	0.0	1978.0
917	1956.000000	69.0	0.0	1956.0

921	1978.506164	67.0	0.0	1980.0
925	1977.000000	69.0	0.0	1977.0
927	1968.000000	69.0	342.0	1968.0
928	2001.000000	69.0	0.0	2001.0
929	1997.000000	69.0	285.0	1997.0
936	2003.000000	67.0	0.0	2003.0
939	1940.000000	69.0	0.0	1940.0
941	1999.000000	69.0	298.0	1999.0
942	1978.506164	42.0	0.0	1980.0
944	1958.000000	69.0	541.0	1958.0
953	1969.000000	69.0	232.0	1969.0
954	1978.506164	35.0	250.0	1980.0
960	1978.506164	50.0	0.0	1980.0
961	1977.000000	69.0	424.0	1977.0
967	1955.000000	69.0	151.0	1955.0
968	1978.506164	50.0	0.0	1980.0
970	1978.506164	60.0	0.0	1980.0
973	2007.000000	95.0	0.0	2007.0
975	2000.000000	69.0	0.0	2000.0
976	1978.506164	51.0	0.0	1980.0
977	2007.000000	35.0	0.0	2007.0
980	1961.000000	69.0	210.0	1961.0
983	2002.000000	69.0	0.0	2002.0
988	1976.000000	69.0	298.0	1976.0
996	1961.000000	69.0	0.0	1961.0
997	1970.000000	69.0	571.0	1970.0
1003	1976.000000	69.0	164.0	1976.0
1006	1970.000000	69.0	0.0	1970.0
1009	1978.506164	60.0	0.0	1980.0
1011	1978.506164	75.0	0.0	1980.0
1017	1984.000000	69.0	0.0	1984.0
1018	1991.000000	69.0	76.0	1991.0
1024	1976.000000	69.0	0.0	1976.0
1030	1978.506164	69.0	0.0	1980.0
1032	1993.000000	69.0	0.0	1993.0
1033	2002.000000	69.0	295.0	2002.0
1035	1957.000000	69.0	0.0	1957.0
1037	2001.000000	69.0	396.0	2001.0
1038	1978.506164	21.0	0.0	1980.0
1041	1966.000000	69.0	252.0	1966.0
1045	1955.000000	69.0	0.0	1955.0
1057	1994.000000	69.0	0.0	1994.0
1059	1977.000000	69.0	480.0	1977.0
1064	1966.000000	69.0	200.0	1966.0
1077	1969.000000	69.0	0.0	1969.0
1084	1995.000000	69.0	0.0	1995.0
1086	1973.000000	69.0	0.0	1973.0
1096	1978.506164	60.0	0.0	1980.0
1097	1987.000000	69.0	0.0	1987.0

1108	2000.000000	69.0	0.0	2000.0
1110	1995.000000	69.0	0.0	1995.0
1116	2002.000000	69.0	0.0	2002.0
1122	1956.000000	69.0	0.0	1956.0
1123	1978.506164	50.0	0.0	1980.0
1124	1992.000000	69.0	170.0	1992.0
1131	1978.506164	63.0	0.0	1980.0
1137	1978.506164	54.0	0.0	1980.0
1138	1977.000000	69.0	0.0	1977.0
1141	1976.000000	69.0	44.0	1976.0
1143	1978.506164	69.0	0.0	1980.0
1146	1985.000000	69.0	85.0	1985.0
1148	1982.000000	69.0	0.0	1982.0
1153	2002.000000	69.0	0.0	2002.0
1154	1965.000000	69.0	288.0	1965.0
1161	1993.000000	69.0	72.0	1993.0
1164	1978.000000	69.0	0.0	1978.0
1173	1978.506164	138.0	0.0	1980.0
1177	1926.000000	69.0	0.0	1926.0
1179	1978.506164	77.0	0.0	1980.0
1180	1990.000000	69.0	0.0	1990.0
1190	1975.000000	69.0	149.0	1975.0
1193	1999.000000	69.0	425.0	1999.0
1206	1966.000000	69.0	0.0	1966.0
1213	1965.000000	69.0	0.0	1965.0
1218	1978.506164	52.0	0.0	1980.0
1219	1978.506164	21.0	236.0	1980.0
1230	1977.000000	69.0	1.0	1977.0
1233	1959.000000	69.0	180.0	1959.0
1234	1978.506164	55.0	0.0	1980.0
1243	2006.000000	107.0	0.0	2006.0
1244	1931.000000	69.0	0.0	1931.0
1247	1976.000000	69.0	335.0	1976.0
1251	2003.000000	69.0	163.0	2003.0
1253	1974.000000	69.0	0.0	1974.0
1257	1978.506164	56.0	0.0	1980.0
1260	1999.000000	69.0	0.0	1999.0
1262	1957.000000	69.0	0.0	1957.0
1268	1982.000000	69.0	632.0	1982.0
1270	1979.000000	69.0	0.0	1979.0
1271	1968.000000	69.0	0.0	1968.0
1272	1965.000000	69.0	114.0	1965.0
1276	1972.000000	69.0	0.0	1972.0
1277	1967.000000	69.0	359.0	1967.0
1278	2002.000000	75.0	0.0	2002.0
1283	1978.506164	94.0	0.0	1980.0
1286	1963.000000	69.0	451.0	1963.0
1287	1964.000000	69.0	621.0	1964.0
1290	1964.000000	69.0	86.0	1964.0



1300	1999.000000	69.0	344.0	1999.0
1301	1942.000000	69.0	0.0	1942.0
1309	1991.000000	69.0	88.0	1991.0
1312	1990.000000	69.0	336.0	1990.0
1318	2001.000000	69.0	178.0	2001.0
1321	1955.000000	69.0	0.0	1955.0
1323	1978.506164	50.0	0.0	1980.0
1325	1978.506164	40.0	0.0	1980.0
1326	1978.506164	70.0	0.0	1980.0
1337	1978.506164	153.0	0.0	1980.0
1342	2002.000000	69.0	149.0	2002.0
1346	1968.000000	69.0	0.0	1968.0
1348	1998.000000	69.0	0.0	1998.0
1349	1978.506164	50.0	0.0	1980.0
1354	2000.000000	69.0	0.0	2000.0
1356	1966.000000	69.0	65.0	1966.0
1357	1971.000000	69.0	0.0	1971.0
1358	2000.000000	69.0	216.0	2000.0
1362	1920.000000	69.0	0.0	1920.0
1365	2000.000000	69.0	0.0	2000.0
1368	2003.000000	69.0	170.0	2003.0
1373	2001.000000	69.0	705.0	2001.0
1381	1970.000000	69.0	0.0	1970.0
1383	2007.000000	69.0	0.0	2007.0
1396	1966.000000	69.0	0.0	1966.0
1407	1978.506164	69.0	0.0	1980.0
1417	1998.000000	69.0	731.0	1998.0
1419	1969.000000	69.0	312.0	1969.0
1423	1966.000000	69.0	0.0	1966.0
1424	1970.000000	69.0	0.0	1970.0
1429	1981.000000	69.0	310.0	1981.0
1431	1976.000000	69.0	0.0	1976.0
1441	2004.000000	69.0	147.0	2004.0
1443	1916.000000	69.0	0.0	1916.0
1446	1962.000000	69.0	189.0	1962.0
1449	1978.506164	21.0	0.0	1980.0
1450	1978.506164	60.0	0.0	1980.0
1453	1978.506164	90.0	0.0	1980.0

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