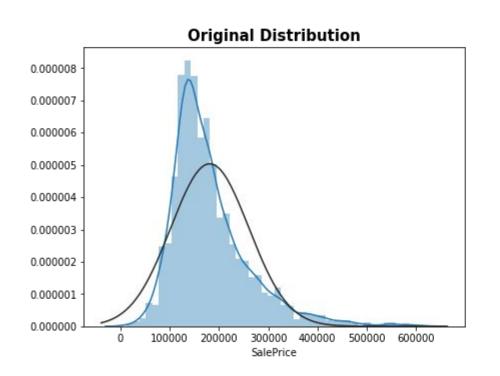
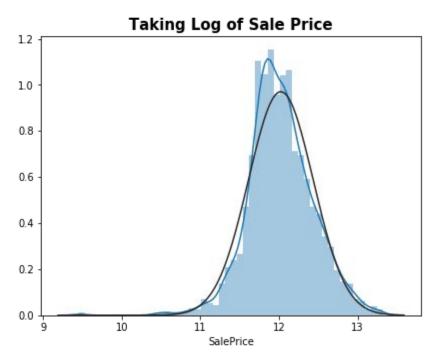
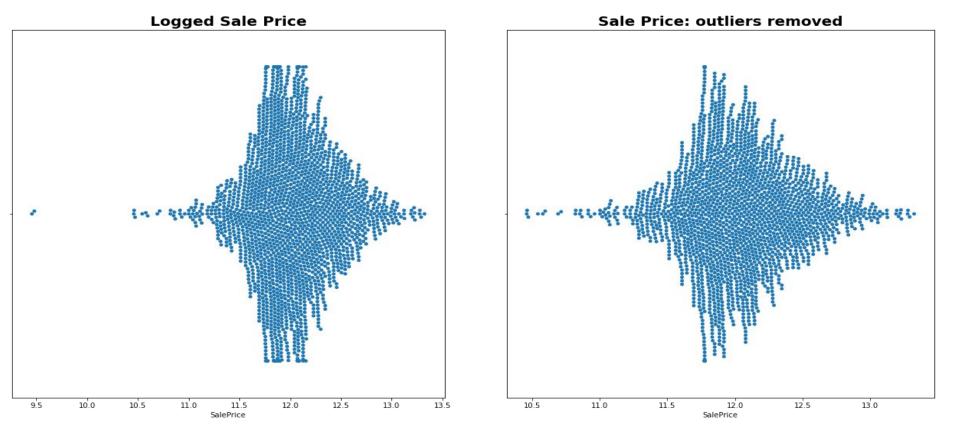
AMES HOUSING

Kaggle Challenge

TARGET VARIABLE: SALE PRICE







TARGET VARIABLE OUTLIERS

Lot Frontage	330	Pool QC	2040
Garage Yr Blt	114	Misc Feature	1984
		Alley	1909
Mas Vnr Area	22	Fence	1649
Bsmt Half Bath	2	Fireplace Qu	999
Bsmt Full Bath	2	Garage Cond	114
Garage Cars	1	Garage Qual	114
BsmtFin SF 1	1	Garage Finish	114
BsmtFin SF 2	1	Garage Type	113
Bsmt Unf SF	1	Bsmt Exposure	57
	_	BsmtFin Type 2	55
Total Bsmt SF	1	BsmtFin Type 1	54
Garage Area	1	Bsmt Cond	54
Lot Area	0	Bsmt Qual	54
dtype: int64		Mas Vnr Type	22

MISSING VALUES:

FEATURE ENGINEERING

- Total SF
- Total Bath
- Total Porch

- 1st Flr SF

- Wood Deck SF

- 2nd Flr SF

- Open Porch SF

- Bsmt Full Bath - Enclosed Porch

Bsmt Half Bath - 2Ssn Porch

- Full Bath

- Screen Porch

Half Bath



Free graphics by Lumen Design Studio

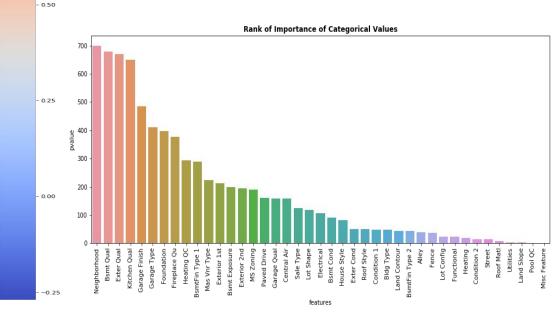


Garage Cars
BsmtFin SF 1
BsmtFin SF 2
Bsmt Unf SF
Garage Cond

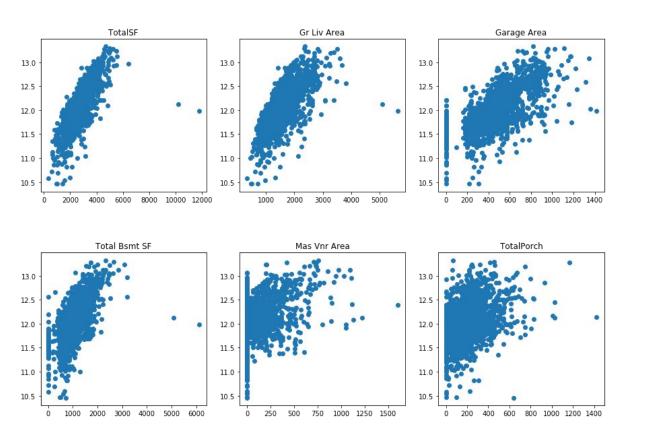
	Sale Price Correlation
SalePrice -	1
Overall Qual	
TotalSF -	
Gr Liv Area -	0.69
Garage Area -	0.67
TotalBath -	0.66
Year Built	0.63
Total Bsmt SF -	0.63
Year Remod/Add -	0.6
TotRms AbvGrd -	0.5
Fireplaces -	0.49
Mas Vnr Area -	0.45
TotalPorch -	0.4
Lot Frontage -	0.34
Garage Yr Blt -	0.34
Lot Area -	0.29
Bedroom AbvGr -	0.18
Pool Area	0.03
Mo Sold -	
Misc Val -	
Yr Sold -	
Overall Cond -	
Low Qual Fin SF -	
ld -	
MS SubClass -	
Kitchen AbvGr	-0.14
PID -	-0.27
	SalePrice

Correlation

- 0.75



OUTLIERS:



Total SF > 5949.5

Mas Vnr Area > 636.5

Total Porch > 924.25

SKEWED FEATURES:

Low Qual Fin SF	11.486985
Lot Area	9.202783
Kitchen AbvGr	4.342167
Mas Vnr Area	2.610229
Lot Frontage	1.835751
TotalSF	1.683826
Total Bsmt SF	1.397878
TotalPorch	1.388651
MS SubClass	1.386901
Gr Liv Area	1.281737
TotRms AbvGrd	0.842221
Fireplaces	0.725669
TotalBath	0.469416
Bedroom AbvGr	0.371753
Garage Area	0.195903
Overall Qual	0.177343
SalePrice	0.074681
PID	0.069386
Id	-0.010003
Year Remod/Add	-0.451544
Year Built	-0.607855
Garage Yr Blt	-3.857371

