**Qualitative Variables – House Prices data**

MSZoning ['RL' 'RM' 'C (all)' 'FV' 'RH']

Street ['Pave' 'Grvl']

LotShape ['Reg' 'IR1' 'IR2' 'IR3']

LandContour ['Lvl' 'Bnk' 'Low' 'HLS']

Utilities ['AllPub' 'NoSeWa']

LotConfig ['Inside' 'FR2' 'Corner' 'CulDSac' 'FR3']

LandSlope ['Gtl' 'Mod' 'Sev']

Neighborhood ['CollgCr' 'Veenker' 'Crawfor' 'NoRidge' 'Mitchel' 'Somerst' 'NWAmes'

'OldTown' 'BrkSide' 'Sawyer' 'NridgHt' 'NAmes' 'SawyerW' 'IDOTRR'

'MeadowV' 'Edwards' 'Timber' 'Gilbert' 'StoneBr' 'ClearCr' 'NPkVill'

'Blmngtn' 'BrDale' 'SWISU' 'Blueste']

Condition1 ['Norm' 'Feedr' 'PosN' 'Artery' 'RRAe' 'RRNn' 'RRAn' 'PosA' 'RRNe']

Condition2 ['Norm' 'Artery' 'RRNn' 'Feedr' 'PosN' 'PosA' 'RRAn' 'RRAe']

BldgType ['1Fam' '2fmCon' 'Duplex' 'TwnhsE' 'Twnhs']

HouseStyle ['2Story' '1Story' '1.5Fin' '1.5Unf' 'SFoyer' 'SLvl' '2.5Unf' '2.5Fin']

RoofStyle ['Gable' 'Hip' 'Gambrel' 'Mansard' 'Flat' 'Shed']

RoofMatl ['CompShg' 'WdShngl' 'Metal' 'WdShake' 'Membran' 'Tar&Grv' 'Roll'

'ClyTile']

Exterior1st ['VinylSd' 'MetalSd' 'Wd Sdng' 'HdBoard' 'BrkFace' 'WdShing' 'CemntBd'

'Plywood' 'AsbShng' 'Stucco' 'BrkComm' 'AsphShn' 'Stone' 'ImStucc'

'CBlock']

Exterior2nd ['VinylSd' 'MetalSd' 'Wd Shng' 'HdBoard' 'Plywood' 'Wd Sdng' 'CmentBd'

'BrkFace' 'Stucco' 'AsbShng' 'Brk Cmn' 'ImStucc' 'AsphShn' 'Stone'

'Other' 'CBlock']

ExterQual ['Gd' 'TA' 'Ex' 'Fa']

ExterCond ['TA' 'Gd' 'Fa' 'Po' 'Ex']

Foundation ['PConc' 'CBlock' 'BrkTil' 'Wood' 'Slab' 'Stone']

Heating ['GasA' 'GasW' 'Grav' 'Wall' 'OthW' 'Floor']

HeatingQC ['Ex' 'Gd' 'TA' 'Fa' 'Po']

CentralAir ['Y' 'N']

Electrical ['SBrkr' 'FuseF' 'FuseA' 'FuseP' 'Mix']

KitchenQual ['Gd' 'TA' 'Ex' 'Fa']

Functional ['Typ' 'Min1' 'Maj1' 'Min2' 'Mod' 'Maj2' 'Sev']

PavedDrive ['Y' 'N' 'P']

SaleType ['WD' 'New' 'COD' 'ConLD' 'ConLI' 'CWD' 'ConLw' 'Con' 'Oth']

SaleCondition ['Normal' 'Abnorml' 'Partial' 'AdjLand' 'Alloca' 'Family']