6/26/2019 Cleaning

```
In [13]: combcopy = comb.copy()
 for c in list(nas.index):
    util_m.replace_missing_with_ml(combcopy, c)
CPU times: user 3 \mus, sys: 1 \mus, total: 4 \mus
Wall time: 5.96 \mus
Successfully trained model to predict: LotFrontage
 -----Evaluation-----
R2
            : 0.5384
RMSE
            : 15.45
Successfully trained model to predict: GarageCond
 ----Evaluation----
ACC
            : 0.9493
Successfully trained model to predict: GarageQual
 ----Evaluation----
            : 0.9449
Successfully trained model to predict: GarageYrBlt
-----Evaluation-----
R2
            : 0.7412
RMSE
            : 13.39
Successfully trained model to predict: GarageFinish
 ----Evaluation----
            : 0.7043
ACC
Successfully trained model to predict: GarageType
 ----Evaluation----
ACC
            : 0.8611
Successfully trained model to predict: BsmtCond
-----Evaluation----
            : 0.9155
ACC
Successfully trained model to predict: BsmtExposure
 -----Evaluation-----
ACC
            : 0.7268
Successfully trained model to predict: BsmtQual
 ----Evaluation----
ACC
            : 0.8521
Successfully trained model to predict: BsmtFinType2
 ----Evaluation----
            : 0.869
ACC
Successfully trained model to predict: BsmtFinType1
----Evaluation----
ACC
            : 0.5366
Successfully trained model to predict: MasVnrType
----Evaluation----
ACC
            : 0.7555
Successfully trained model to predict: MasVnrArea
 ----Evaluation----
R2
            : 0.6372
RMSE
            : 105.98
Successfully trained model to predict: MSZoning
 ----Evaluation----
            : 0.9588
Successfully trained model to predict: BsmtHalfBath
----Evaluation----
            : -0.0595
R2
            : 0.24
RMSE
Successfully trained model to predict: Utilities
 ----Evaluation----
ACC
            : 1.0
Successfully trained model to predict: Functional
 ----Evaluation----
            : 0.9315
ACC
Successfully trained model to predict: BsmtFullBath
 ----Evaluation----
```

6/26/2019 Cleaning

R2 : 0.4442 RMSE : 0.4 Successfully trained model to predict: BsmtFinSF2 ----Evaluation----R2 : 0.7271 : 91.16 RMSE Successfully trained model to predict: BsmtUnfSF -----Evaluation-----: 0.7122 R2 : 236.17 RMSE Successfully trained model to predict: BsmtFinSF1 ----Evaluation----R2 : 0.8532 RMSE : 184.51 Successfully trained model to predict: SaleType -----Evaluation----ACC : 0.9438 Successfully trained model to predict: Exterior2nd -----Evaluation----: 0.5425 ACC Successfully trained model to predict: Exterior1st -----Evaluation----ACC : 0.9247 Successfully trained model to predict: Electrical ----Evaluation----ACC : 0.8945 Successfully trained model to predict: TotalBsmtSF -----Evaluation----R2 : 0.8796 RMSE : 161.84 Successfully trained model to predict: GarageCars ----Evaluation----R2 : 0.5737 RMSE : 0.52 Successfully trained model to predict: KitchenQual ----Evaluation----ACC : 0.7932 Successfully trained model to predict: GarageArea -----Evaluation----R2 : 0.827 RMSE : 92.13

In []: