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In [25]: import pandas as pd
import numpy as np
import numpy.random as nr

from sklearn import preprocessing
from sklearn.model_selection import train_test_split
from sklearn.model_selection import StratifiedKFold

from sklearn import linear_model
from sklearn.linear_model import ElasticNet, Lasso, BayesianRidge, LassoLarsIC

import sklearn.metrics as sklm
from sklearn.metrics import mean_squared_log_error, mean_absolute_error, mean_squared_error
from sklearn import feature_selection as fs
from sklearn import metrics
from sklearn.preprocessing import OneHotEncoder, LabelEncoder, StandardScaler

import scipy.stats as ss
from scipy.stats import boxcox, norm, skew
from scipy.special import boxcox1p

import math
import matplotlib.pyplot as plt
import seaborn as sns
sns.set(style='darkgrid')

import warnings as wrn
wrn.filterwarnings('ignore', category = DeprecationWarning)
wrn.filterwarnings('ignore', category = FutureWarning)
wrn.filterwarnings('ignore', category = UserWarning)

%matplotlib inline
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