

Table for hyper-parameter tuning of SVR and KNN

Hyperparameter tuning in SVR	Prediction at level 6.5
Default	130001
kernel='sigmoid', degree=5, gamma='auto'	175708
With degree=6	1599973
Kernel =Linear	130025
Kernel=Precomputed	Need input convert to square matrix

KNN- hyper-parameter tuning

Hyperparameter tuning in KNN	Prediction at level 6.5
Default	168000
n_neighbors=2,weights='uniform',algorithm='kd_tree	175000
n_neighbors=5, weights='distance', algorithm='kd_tree',p= 1	175000
n_neighbors=5, weights='distance', algorithm='ball_tree'	175368
n_neighbors=5, weights='distance', algorithm='ball_tree'	232284

Insight:For SVR- kernel='sigmoid', degree=5, gamma='auto' is best fitted model

For KNN- n\_neighbors=5, weights='distance', algorithm='ball\_tree' is best fitted model