KNN績效(n\_neighbors=i,leaf\_size=35,n\_jobs=-1)

neighbors numbers: 45

train\_data score: 0.26593697963031193

R2: 0.2447355107661977

RMSE: 0.8690309869567892

MAPE: 411.07984074829335

------------------------------------------------------

KNN績效(weights='distance')

KNN(algo=’ball\_tree)

KNN(algo=’ball\_tree、weights=’distance’)

KNN (n\_neighbors=i,leaf\_size=25,n\_jobs=-1)

neighbors numbers: 34

train\_data score: 0.27448721061579295

R2: 0.24418288568049296

------------------------------------------------------

KNN (n\_neighbors=i,leaf\_size=20,n\_jobs=-1)

neighbors numbers: 34

train\_data score: 0.27448721061579295

R2: 0.24418288568049296

------------------------------------------------------

KNeighborsRegressor(n\_neighbors=i,leaf\_size=40,n\_jobs=-1)

neighbors numbers: 75

train\_data score: 0.25541880102538583

R2: 0.2469382875505397

RMSE: 0.8677627695772471

MAPE: 401.7436937564746

RandomForestRegressor績效

(min\_samples\_split=15,max\_depth=i,n\_jobs=-1)

max\_depth= 13

train\_data score: 0.37311040367512893

R2: 0.26013145560785034

RMSE: 0.7656621894709489

MAPE: 3.7614180940239823

(min\_samples\_split=25,max\_depth=i,max\_features='sqrt',n\_jobs=-1)

max\_depth= 31

train\_data score: 0.4157838420392336

R2: 0.27154042792402366

RMSE: 0.7634657967068204

MAPE: 3.7556658802069114

max\_depth= 30

train\_data score: 0.4120116291025654

R2: 0.2729166154492221

RMSE: 0.7629885334965844

MAPE: 3.728294253455422

i=24

R2: 0.2514605142984625

RMSE: 10.796187039532333

MAPE: 0.305112280739204

執行時間: 1.9278440475463867

KNN

neighbors numbers: 25

train\_data score:0.298

R2:0.24073

RMSE:10.87331

MAPE:0.30746%

執行時間: 0.01793956756591797