pso=PSO(func=train\_rf,dim=2, pop=50, max\_iter=50, lb=[10,1], ub=[100,20],w=1,c1=2,c2=2)

best\_x: [20.97429646 19.9597738 ]

best\_y: -0.9905210059137185

best\_x[0]: 20

best\_x[1]: 19

MAE\_train: 0.022909888366697374

MSE\_train: 0.003001447744829652

RMSE\_train: 0.05478547019812509

MAPE\_train: 136.03705617299343

r2\_score\_train: 0.8988298168334837

EV\_train: 0.8989824906404676

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MAE\_test: 0.003621173381150003

MSE\_test: 6.530439982155414e-05

RMSE\_test: 0.008081113773580603

MAPE\_test: 5.121482707996302

r2\_score\_test: 0.9905210059137185

EV\_test: 0.9908150967742891