Boston Housing Prices

PolyFeatures

2 Features LSTAT y RM: best correlated

lin\_reg baseline

2 improves

3 improves

4 improves

LinReg

R2 score train 0.6363353379616082

MAE train 3.798063422689011

MSE train 27.98794118547948

R2 score test 0.6041142735229119

MAE test 4.582645892343419

MSE test 41.40202341152383

CrossValidation on the full dataset MAE

[-2.74282364 -2.66486168 -2.89248316 -5.15153202 -3.9402028 -4.64564316

-3.82923301 -8.69643448 -6.53638215 -2.94554412]

-MAE: -4.404514022690067

std: 1.8528516111956599

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Pol2

R2 score train 0.7526744600340032

MAE train 3.0194990832234727

MSE train 19.034383564891193

R2 score test 0.7485007375000425

MAE test 3.5422408760579787

MSE test 26.301979732039786

CrossValidation on the full dataset MAE

[-2.18784704 -2.15758692 -2.38537873 -3.77741438 -3.78544616 -3.44238

-3.6404846 -7.56599142 -3.93790228 -2.76106402]

-MAE: -3.5641495549969457

std: 1.4891814017406946

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Pol3

R2 score test 0.7504651949495681

MAE test 3.5420021790793244

MSE test 26.09653531240899

R2 score train 0.7688165765778632

MAE train 2.908202831717163

MSE train 17.79207256907875

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Pol4

R2 score test 0.6688023261862086

MAE test 3.8712993251952605

MSE test 34.636898801842555

R2 score train 0.8115227871427741

MAE train 2.700230995250689

MSE train 14.50536634129782



