

## SVR

C	kernel	r_score
10	linear	-0.03964494678192800
10	poly	-0.05366720512712610
10	rbf	-0.05680759285862340
10	sigmoid	-0.05471958332940320
100	linear	0.10646819600577400
100	poly	-0.019802139315272300
100	rbf	-0.05072602278128760
100	sigmoid	-0.03045351486430930
500	linear	0.5928977271145750
500	poly	0.11468480742657600
500	rbf	-0.024323348197438500
500	sigmoid	0.07057214489673910
1000	linear	0.7802839882154120
1000	poly	0.26616370931646900
1000	rbf	0.0067683444800728000
1000	sigmoid	0.18506861974160800
2000	linear	0.8767721687716040
2000	poly	0.4810028155606570
2000	rbf	0.06751554270553020
2000	sigmoid	0.39706528684272100
3000	linear	0.895674469433492
3000	poly	0.6370064223754040
3000	rbf	0.12322756620227600
3000	sigmoid	0.5913630209426110

Best combination:

C=3000, kernel=linear, r\_score=0.895674469433492

## Decision Tree

<b>criterion</b>	<b>splitter</b>	<b>max_features</b>	<b>r_score</b>
squared_error	best	sqrt	0.18597602120485800
squared_error	best	log2	0.617446280976921
squared_error	best	None	0.9255271251892300
squared_error	random	sqrt	-0.0012120196444767000
squared_error	random	log2	-0.923900612587405
squared_error	random	None	0.6176420835295100
friedman_mse	best	sqrt	0.09047722393548110
friedman_mse	best	log2	0.5876792741239750
friedman_mse	best	None	0.9222437938612580
friedman_mse	random	sqrt	0.5933237244111910
friedman_mse	random	log2	0.08643030491581770
friedman_mse	random	None	0.6858953593414550
absolute_error	best	sqrt	0.7560728149092740
absolute_error	best	log2	-0.5485786244340100
absolute_error	best	None	0.9734719142636620
absolute_error	random	sqrt	-0.11211007959041600
absolute_error	random	log2	0.7580894354094670
absolute_error	random	None	0.5672570780099400
poisson	best	sqrt	0.3793208710256510
poisson	best	log2	0.8162345206432020
poisson	best	None	0.9403019035364160
poisson	random	sqrt	0.7387428820770440
poisson	random	log2	0.8019189828387030
poisson	random	None	0.8875685629534540

Best combination:

criterion=absolute\_error, splitter=best,

max\_features=None,r\_score=0.9734719142636618