

Métricas de aprendizaje de máquina

Window_size = 2

No isolation rate

Mean Squared Error in LR: 0.009090219090742816

Mean Squared Error in MLP: 0.011534369638190262

Mean Squared Error in SVR: 0.008793396366179772

R² score in LR: 0.7867434115695835

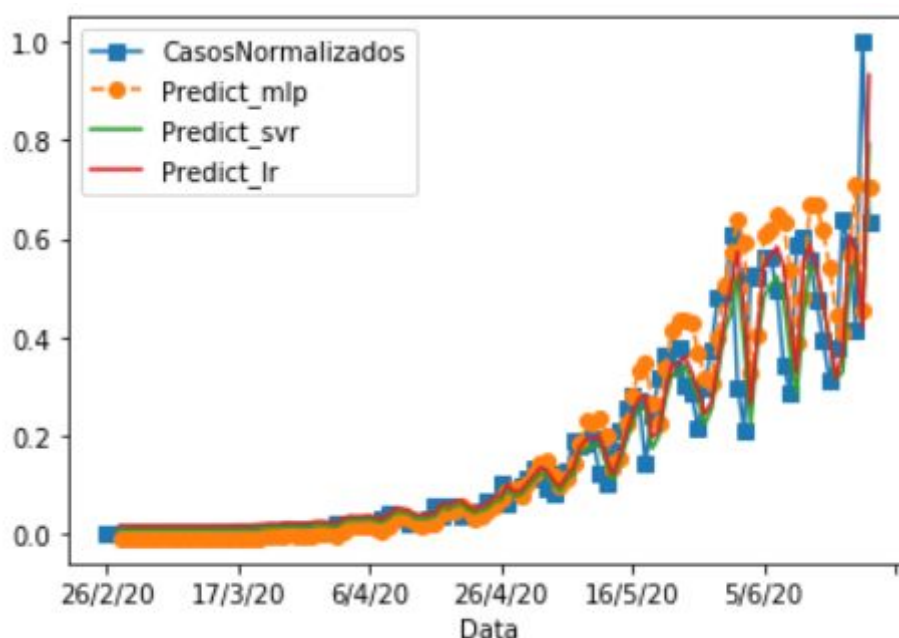
R² score in MLP: 0.7294036266693733

R² score in SVR: 0.7937068742735129

adjusted R² score in LR: 0.7829352582047546

adjusted R² score in MLP: 0.7245715485741835

adjusted R² score in SVR: 0.7900230684569685



Window_size = 2

With isolation rate

Mean Squared Error in LR: 0.009537733573776892

Mean Squared Error in MLP: 0.008036717891211055

Mean Squared Error in SVR: 0.008903852456995211

R² score in LR: 0.7762447194069009

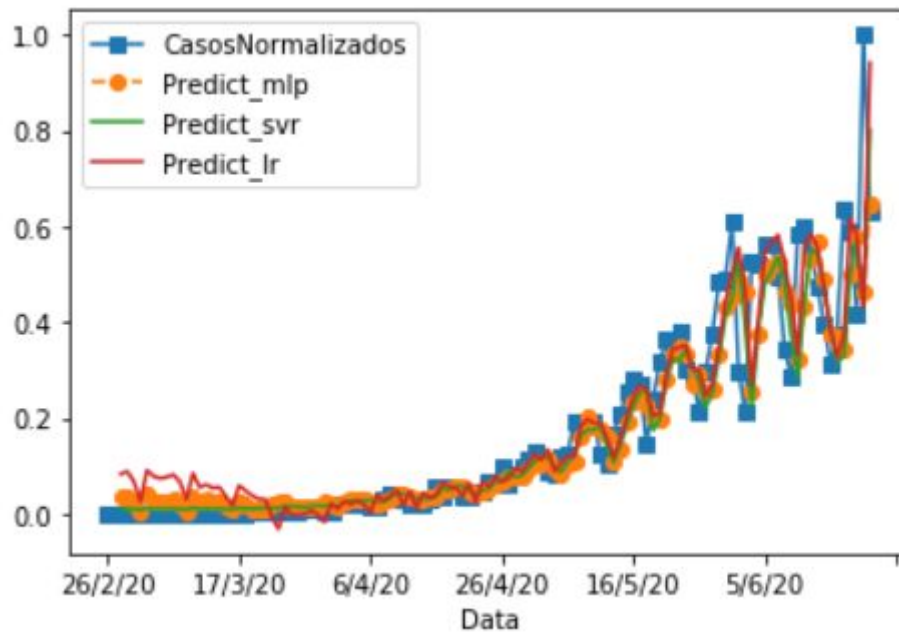
R² score in MLP: 0.811458555338592

R² score in SVR: 0.7911155737929064

adjusted R² score in LR: 0.76810816374897

adjusted R² score in MLP: 0.80460250280545

adjusted R² score in SVR: 0.7835197764762849



Window_size = 3

No isolation rate

Mean Squared Error in LR: 0.008847513318966408

Mean Squared Error in MLP: 0.012226816712233165

Mean Squared Error in SVR: 0.008475548564127708

R² score in LR: 0.7930185342206972

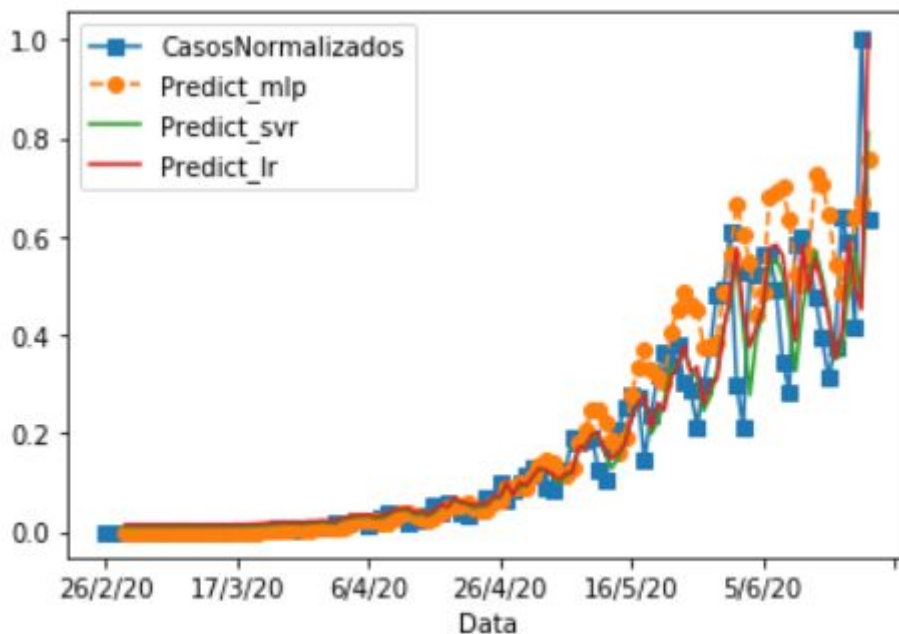
R² score in MLP: 0.7139620644042677

R² score in SVR: 0.8017203928559038

adjusted R² score in LR: 0.7873735851539889

adjusted R² score in MLP: 0.7061610297971114

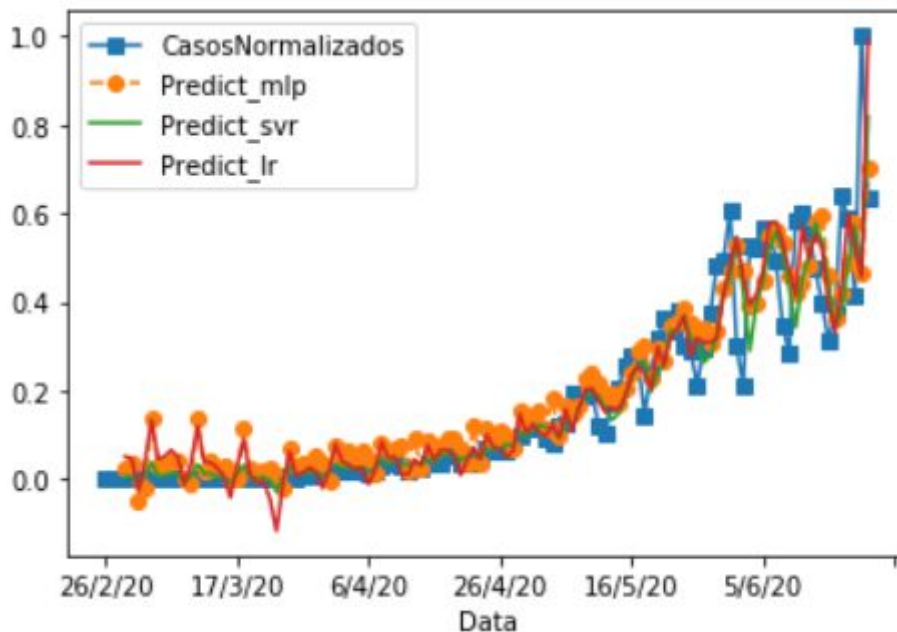
adjusted R² score in SVR: 0.7963127672065193



Window_size = 3

With isolation rate

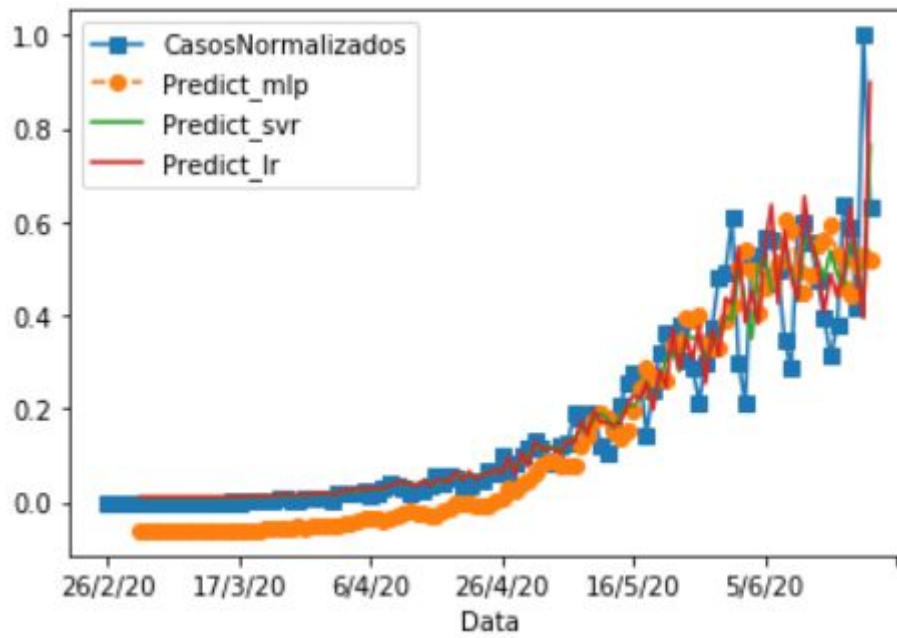
Mean Squared Error in LR: 0.008784332678981653
Mean Squared Error in MLP: 0.008858303476357547
Mean Squared Error in SVR: 0.008341750699130636
R² score in LR: 0.7944966016732644
R² score in MLP: 0.7927661059380497
R² score in SVR: 0.8048505015335441
adjusted R² score in LR: 0.7829730466269054
adjusted R² score in MLP: 0.78114551374766
adjusted R² score in SVR: 0.7939075390027148



Window_size = 5

No isolation rate

Mean Squared Error in LR: 0.008267974488708044
Mean Squared Error in MLP: 0.01112829298551245
Mean Squared Error in SVR: 0.008008041195195804
R² score in LR: 0.807620627051894
R² score in MLP: 0.7410666869546396
R² score in SVR: 0.8136687594067429
adjusted R² score in LR: 0.7985461283279267
adjusted R² score in MLP: 0.7288528514336321
adjusted R² score in SVR: 0.8048795499447968



Window_size = 5

With isolation rate

Mean Squared Error in LR: 0.008360526067246304

Mean Squared Error in MLP: 0.007643691404621289

Mean Squared Error in SVR: 0.007693242707355855

R² score in LR: 0.8054671353268208

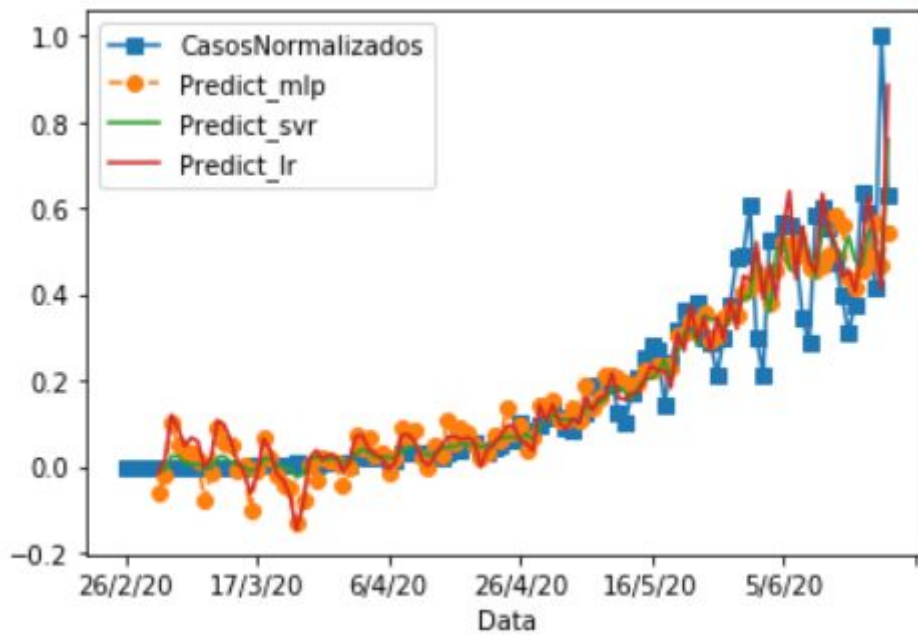
R² score in MLP: 0.82214645661544

R² score in SVR: 0.8209934960491179

adjusted R² score in LR: 0.786206455656209

adjusted R² score in MLP: 0.8045371948941964

adjusted R² score in SVR: 0.8032700798163572



Window_size = 7

No isolation rate

Mean Squared Error in LR: 0.00599490799826504

Mean Squared Error in MLP: 0.006413491203933685

Mean Squared Error in SVR: 0.005935750349804434

R² score in LR: 0.8612230866468593

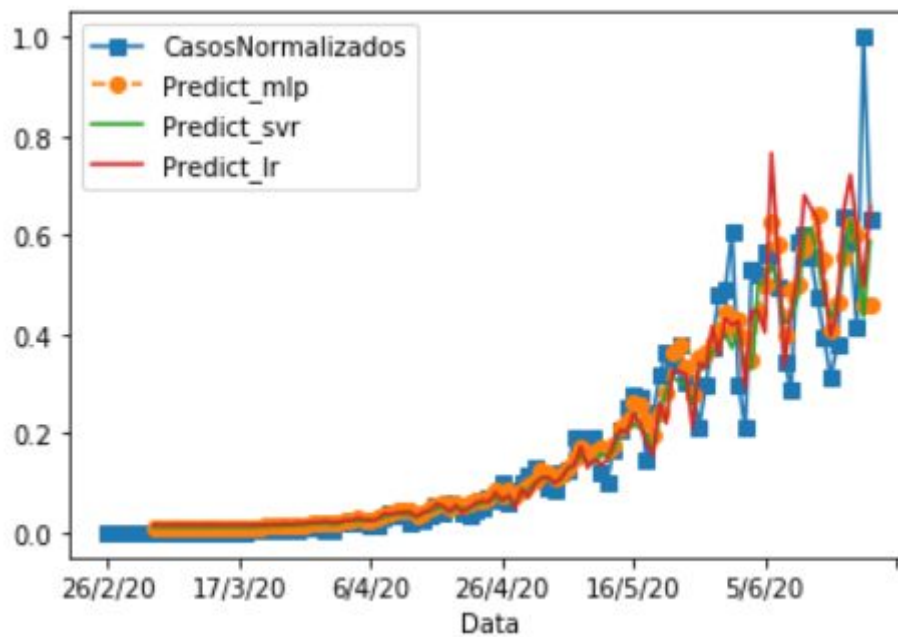
R² score in MLP: 0.8515332489911406

R² score in SVR: 0.8625925348280439

adjusted R² score in LR: 0.8516991808285065

adjusted R² score in MLP: 0.841344354314062

adjusted R² score in SVR: 0.8531626107476156



Window_size = 7

With isolation rate

Mean Squared Error in LR: 0.006598024911100442

Mean Squared Error in MLP: 0.00641512556407197

Mean Squared Error in SVR: 0.005986897033680813

R² score in LR: 0.8472614539448069

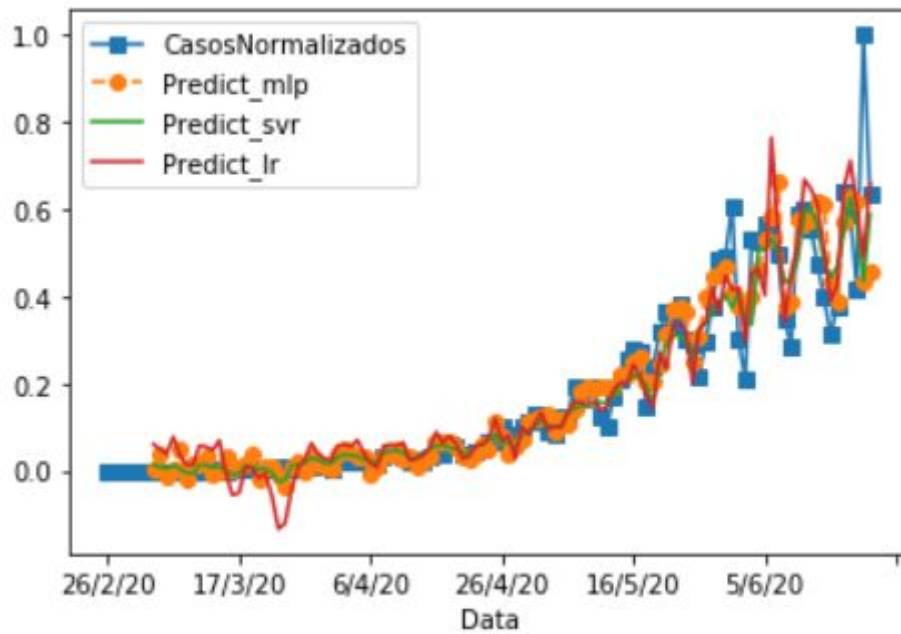
R² score in MLP: 0.8514954149734435

R² score in SVR: 0.8614085335191553

adjusted R² score in LR: 0.8247526155787784

adjusted R² score in MLP: 0.8296105287590037

adjusted R² score in SVR: 0.8409845279325044



Window_size = 10

No isolation rate

Mean Squared Error in LR: 0.006294733522523072

Mean Squared Error in MLP: 0.0063454362163192545

Mean Squared Error in SVR: 0.006800187363066901

R² score in LR: 0.8553090542517321

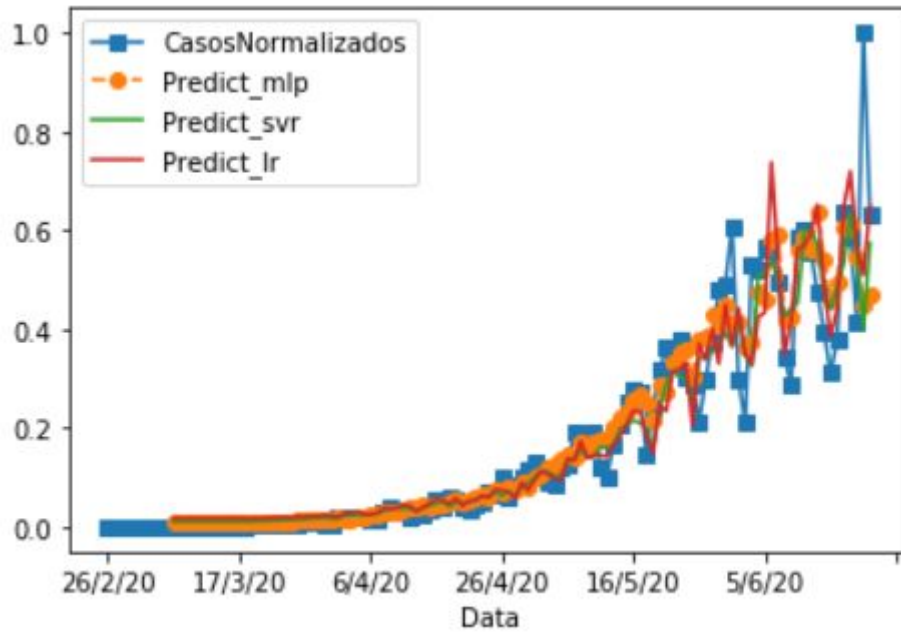
R² score in MLP: 0.8541436005131258

R² score in SVR: 0.843690676133151

adjusted R² score in LR: 0.8402370807362876

adjusted R² score in MLP: 0.8389502255665764

adjusted R² score in SVR: 0.8274084548970209



Window_size = 10

With isolation rate

Mean Squared Error in LR: 0.006862535071594583

Mean Squared Error in MLP: 0.005402933655964438

Mean Squared Error in SVR: 0.006765063762403153

R^2 score in LR: 0.8422575497140851

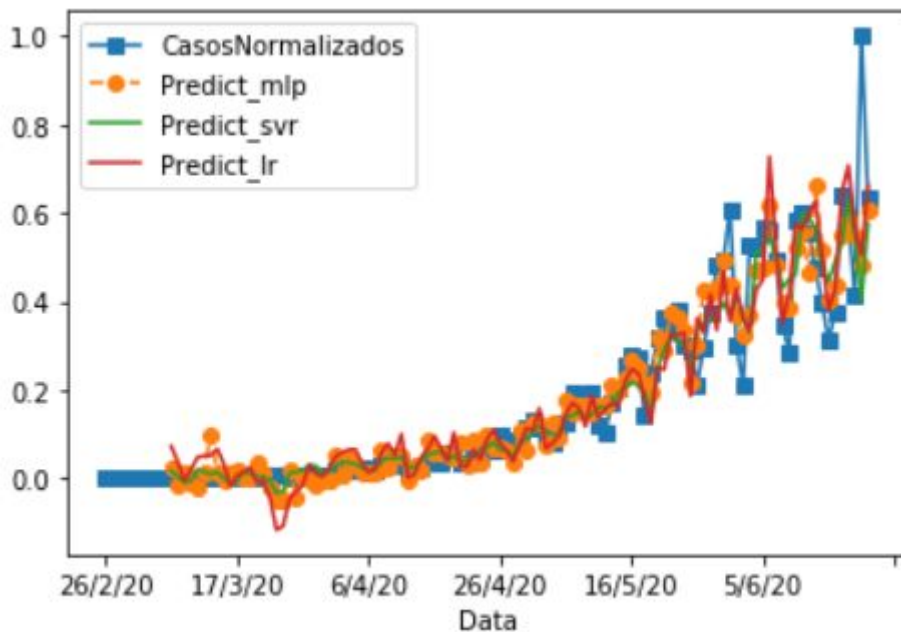
R^2 score in MLP: 0.8758079944608527

R^2 score in SVR: 0.8444980283395531

adjusted R^2 score in LR: 0.8055732589499188

adjusted R^2 score in MLP: 0.8469261327075626

adjusted R^2 score in SVR: 0.8083347791161933



Window_size = 15

No isolation rate

Mean Squared Error in LR: 0.01202774681512054

Mean Squared Error in MLP: 0.007817603201452809

Mean Squared Error in SVR: 0.007562861174033435

R² score in LR: 0.7262230693695123

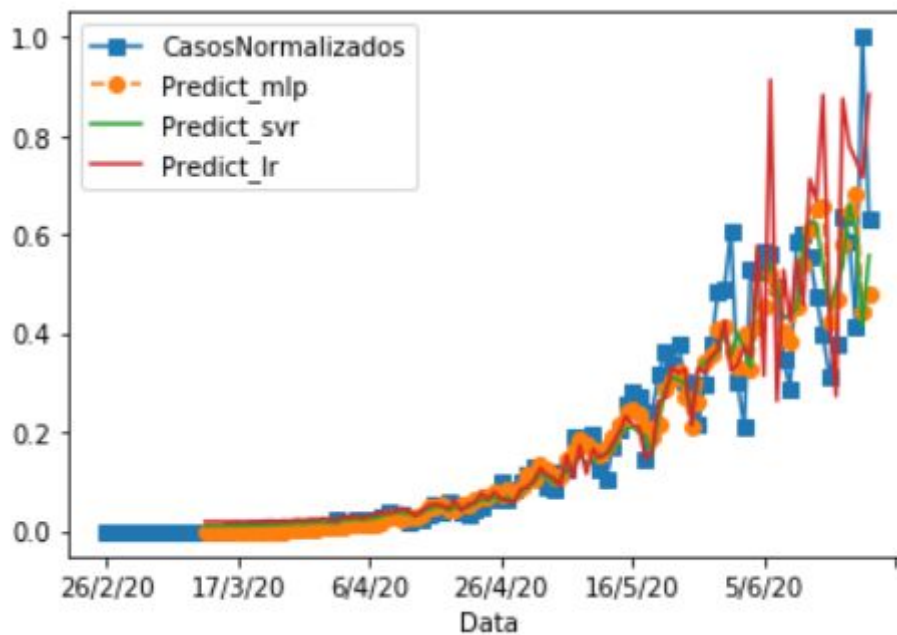
R² score in MLP: 0.8220548335212546

R² score in SVR: 0.827853300303228

adjusted R² score in LR: 0.6784712791432644

adjusted R² score in MLP: 0.7910178858796131

adjusted R² score in SVR: 0.7978277131468143



Window_size = 15

With isolation rate

Mean Squared Error in LR: 0.018919144764497006

Mean Squared Error in MLP: 0.011191301271556342

Mean Squared Error in SVR: 0.007316202165694955

R² score in LR: 0.5693602913833914

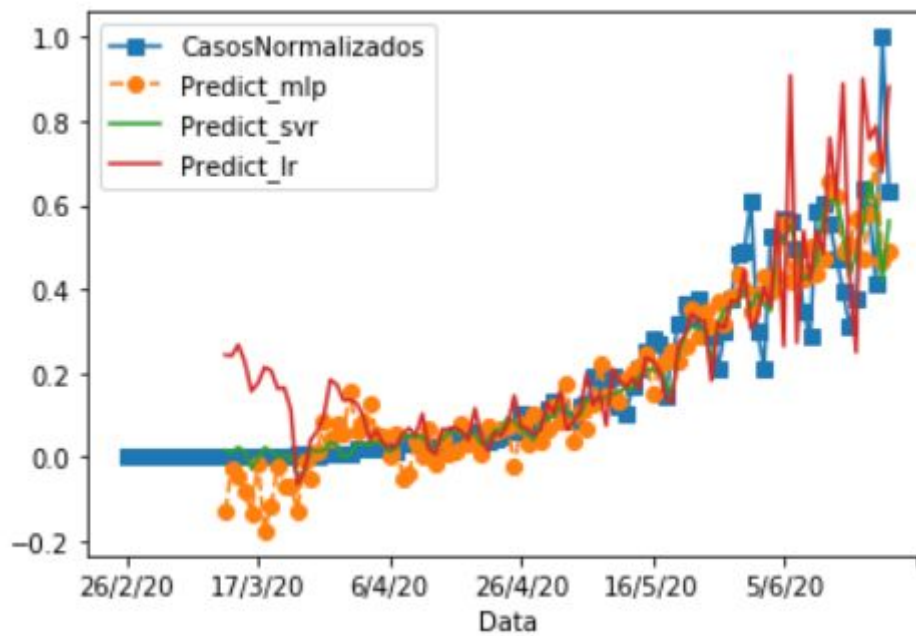
R² score in MLP: 0.74526233724541

R² score in SVR: 0.8334677804925164

adjusted R² score in LR: 0.3873998511228526

adjusted R² score in MLP: 0.6376267050955833

adjusted R² score in SVR: 0.7631020539400585



Window_size = 20

No isolation rate

Mean Squared Error in LR: 0.02366089541192113

Mean Squared Error in MLP: 0.008132196618981877

Mean Squared Error in SVR: 0.00768688781911724

R² score in LR: 0.46505494253439705

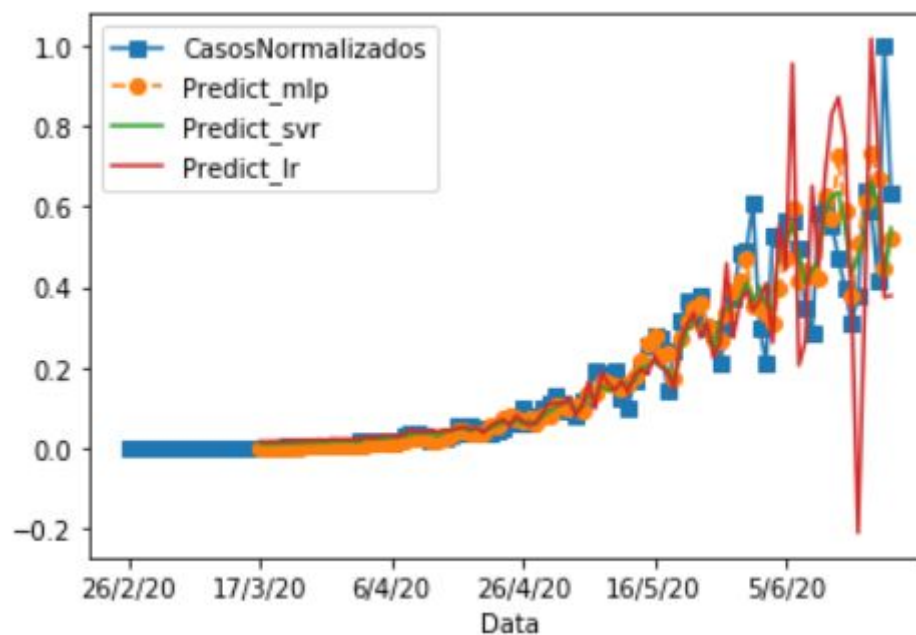
R² score in MLP: 0.8161405850485679

R² score in SVR: 0.8262084940345273

adjusted R² score in LR: 0.32427992741186995

adjusted R² score in MLP: 0.7677565284824015

adjusted R² score in SVR: 0.7804738872015082



Window_size = 20

With isolation rate

Mean Squared Error in LR: 0.030971045241781518

Mean Squared Error in MLP: 0.00663213160036288

Mean Squared Error in SVR: 0.00718504906211155

R² score in LR: 0.29978104005788386

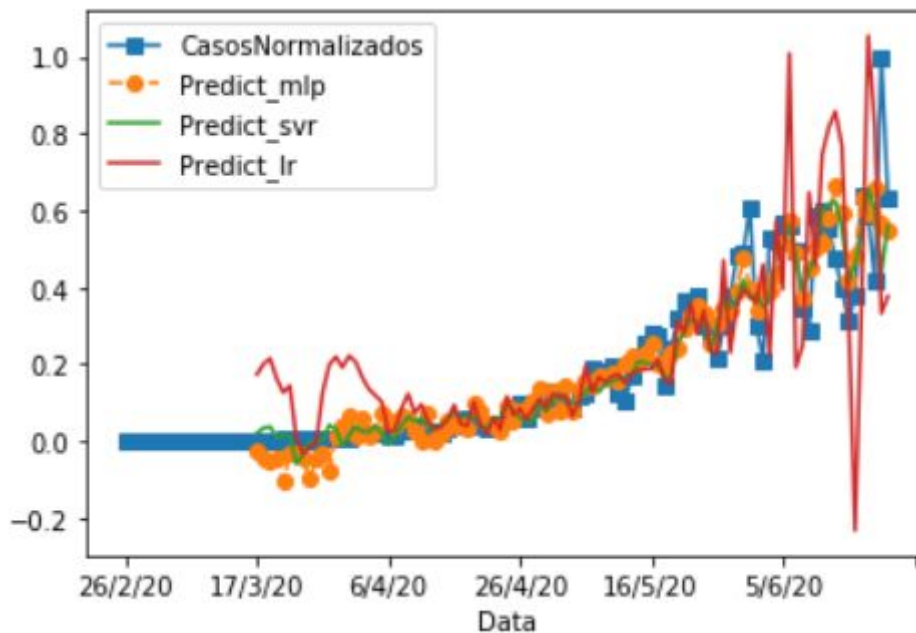
R² score in MLP: 0.8500552934151405

R² score in SVR: 0.8375544789616074

adjusted R² score in LR: -0.2003753599007705

adjusted R² score in MLP: 0.7429519315688123

adjusted R² score in SVR: 0.7215219639341841



Window_size = 25

No isolation rate

Mean Squared Error in LR: 0.02444908791150518

Mean Squared Error in MLP: 0.007559053327570198

Mean Squared Error in SVR: 0.007361530072356771

R² score in LR: 0.44909794106022494

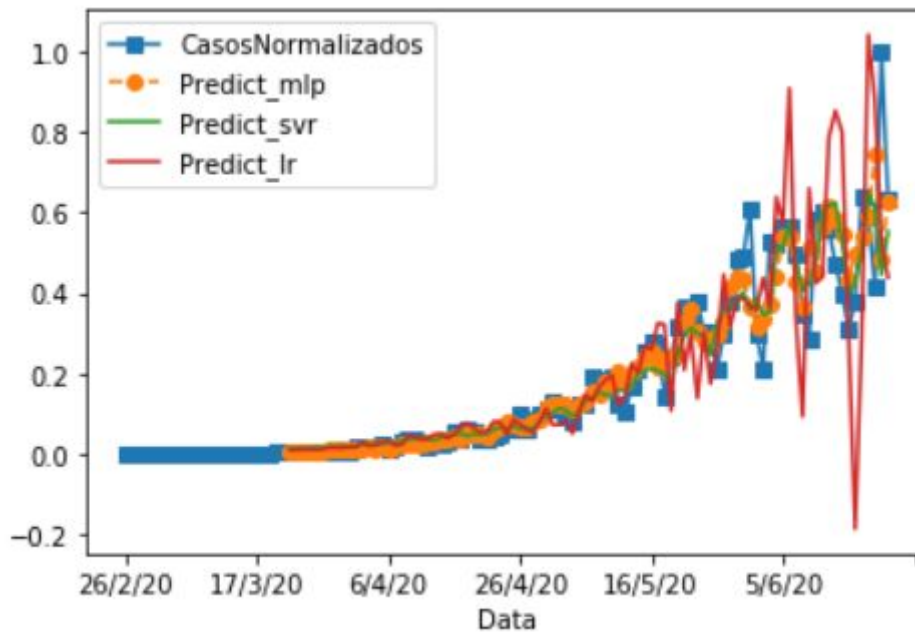
R² score in MLP: 0.8296747078309471

R² score in SVR: 0.8341254246993811

adjusted R² score in LR: 0.24042291873455257

adjusted R² score in MLP: 0.7651575517063058

adjusted R² score in SVR: 0.7712941461764194



Window_size = 25

With isolation rate

Mean Squared Error in LR: 0.02588466924862471

Mean Squared Error in MLP: 0.007642828020937071

Mean Squared Error in SVR: 0.006701761526714489

R² score in LR: 0.4167505292771252

R² score in MLP: 0.8277870443226024

R² score in SVR: 0.8489917400209844

adjusted R² score in LR: -0.29452931306784413

adjusted R² score in MLP: 0.61777124471602

adjusted R² score in SVR: 0.6648353254124288

