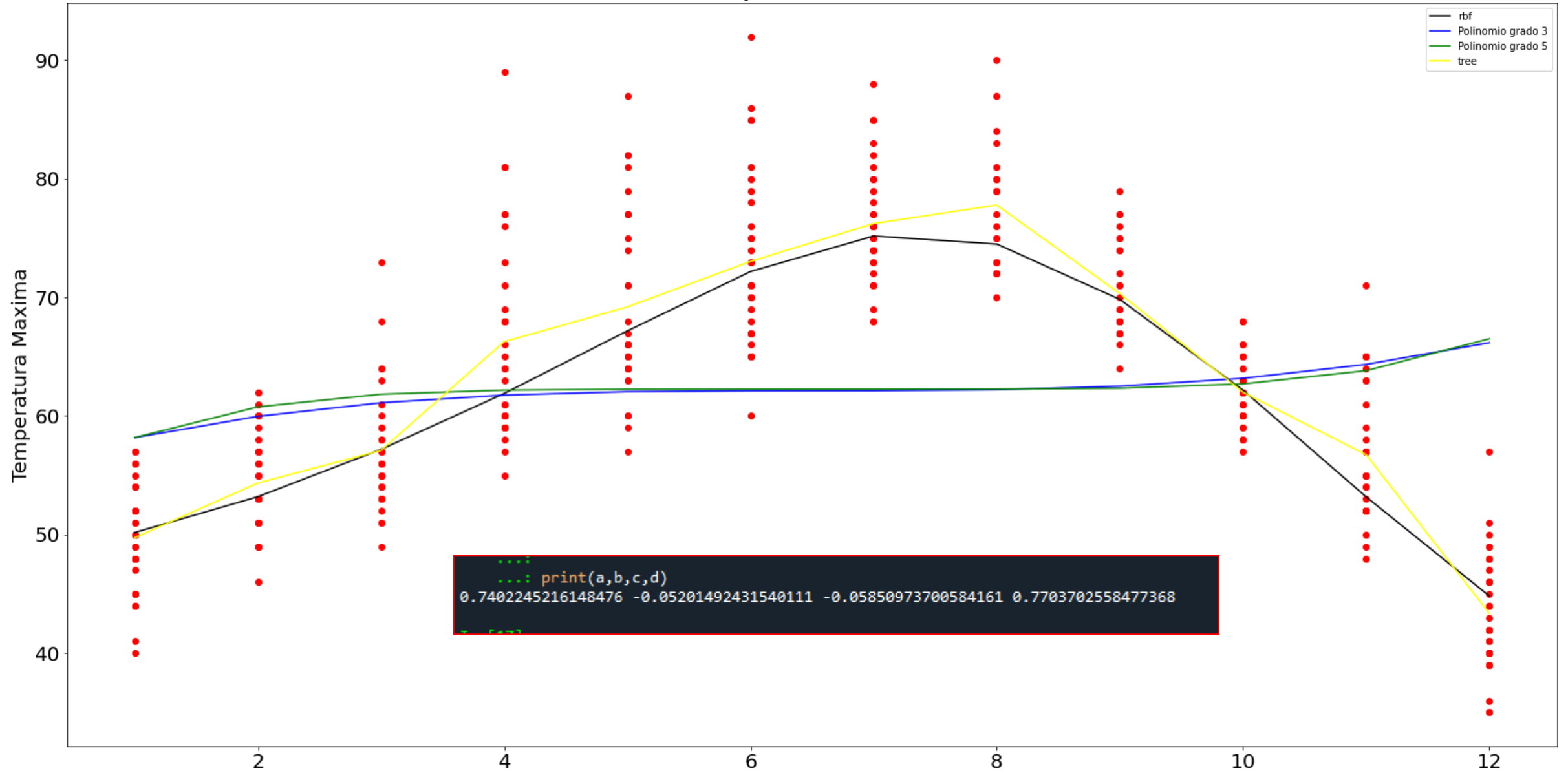


Taller\_9

Evolución del out-of-bag-error vs número árboles



Poly Vs SVR Vs Tree



# Multilinear

```
....: print('R2 score: %.2f' % r2_score(Y_train, y_pred))  
Coefficients:  
[ 0.00000000e+00  2.16875413e-17  1.42861807e-16  5.55111512e-17  
 -2.03024978e-16 -8.68461022e-16  2.24358539e-15  1.00000000e+00  
 -2.33702737e-16 -6.45087281e-16  3.07320783e-16 -2.84810930e-16  
  7.35835088e-16  1.45123735e-16  8.54135133e-16 -3.29439992e-16  
 -3.36378886e-16 -7.99395188e-16 -5.06511418e-16 -2.23575414e-16]  
Independent term:  
-1.2079226507921703e-13  
Mean squared error: 0.00  
R2 score: 1.00
```

```
print(print_model)
```

### OLS Regression Results

```
=====
Dep. Variable:          actual    R-squared:            1.000
Model:                  OLS      Adj. R-squared:       1.000
Method:                 Least Squares    F-statistic:         1.212e+29
Date:                   Fri, 18 Jun 2021  Prob (F-statistic):      0.00
Time:                   21:44:45    Log-Likelihood:        7843.1
No. Observations:       278      AIC:                   -1.565e+04
Df Residuals:           261      BIC:                   -1.559e+04
Df Model:                16
Covariance Type:        nonrobust
=====
               coef      std err          t      P>|t|      [0.025      0.975]
-----
year          -2.8e-15   1.48e-17   -189.684    0.000   -2.83e-15   -2.77e-15
month         -9.159e-16  2.53e-15    -0.362    0.718   -5.9e-15    4.07e-15
day          -1.249e-16  9.92e-16    -0.126    0.900   -2.08e-15    1.83e-15
year           3.02e-15   1.48e-17   204.532    0.000    2.99e-15    3.05e-15
temp_2         1.11e-16   1.89e-15     0.059    0.953   -3.62e-15    3.84e-15
temp_1        -1.388e-15   2.42e-15    -0.573    0.567   -6.16e-15    3.38e-15
average        -1.11e-16   1.19e-14    -0.009    0.993   -2.36e-14    2.33e-14
actual          1.0000   1.85e-15   5.4e+14    0.000    1.000    1.000
forecast_noaa  -6.106e-16   6.19e-15    -0.099    0.922   -1.28e-14    1.16e-14
forecast_acc    5.551e-17   6.22e-15     0.009    0.993   -1.22e-14    1.23e-14
forecast_under -8.882e-16   7.49e-15    -0.119    0.906   -1.56e-14    1.39e-14
friend         -9.541e-16   7.82e-16    -1.220    0.224   -2.49e-15    5.86e-16
week_Fri        3.553e-15   2.09e-14     0.170    0.865   -3.75e-14    4.46e-14
week_Mon        1.288e-14   2.04e-14     0.632    0.528   -2.73e-14    5.3e-14
week_Sat       -4.219e-15   2.05e-14    -0.206    0.837   -4.46e-14    3.62e-14
week_Sun       -2.359e-15   1.21e-14    -0.196    0.845   -2.61e-14    2.14e-14
week_Sun       -4.358e-15   1.21e-14    -0.361    0.718   -2.81e-14    1.94e-14
week_Thurs      7.883e-15   2.06e-14     0.382    0.703   -3.27e-14    4.85e-14
week_Tues      -4.552e-15    2e-14     -0.228    0.820   -4.39e-14    3.48e-14
week_Wed       -1.443e-15   2.04e-14    -0.071    0.944   -4.16e-14    3.87e-14
=====
Omnibus:            66.195    Durbin-Watson:           0.314
Prob(Omnibus):      0.000    Jarque-Bera (JB):        13.062
Skew:               0.063    Prob(JB):                0.00146
Kurtosis:           1.046    Cond. No.                 1.55e+10
=====
```