```
Python 3.8.3 (default, Jul  2 2020, 17:30:36) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.16.1 -- An enhanced Interactive Python.

In [1]:         'D:/Documentos/Faculdade/Eletivas/Modelagem Analítica/
modelo_arima_previsao.py'      ='D:/Documentos/Faculdade/Eletivas/Modelagem Analítica'
```

Figures now render in the Plots pane by default. To make them also appear inline in the Console, uncheck "Mute Inline Plotting" under the Plots pane options menu.

```
 C:\Users\kelly\anaconda3\lib\site-packages\statsmodels\tsa\base\tsa_model.py:159:
ValueWarning: No frequency information was provided, so inferred frequency 10T will be
used.
  warnings.warn('No frequency information was'
C:\Users\kelly\anaconda3\lib\site-packages\statsmodels\tsa\base\tsa_model.py:159:
ValueWarning: No frequency information was provided, so inferred frequency 10T will be
used.
  warnings.warn('No frequency information was'
                             ARIMA Model Results
==============================================================================
Dep. Variable:                 D.value   No. Observations:                61342
Model:                 ARIMA(1, 1, 0)   Log Likelihood             -430809.183
Method:                       css-mle   S.D. of innovations            271.546
Date:                Tue, 03 Nov 2020   AIC                         861624.366
Time:                        17:54:34   BIC                         861651.439
Sample:                    09-01-2018   HQIC                        861632.767
                         - 11-01-2019
==============================================================================
                    coef    std err          z      P>|z|      [0.025      0.975]
------------------------------------------------------------------------------
const            -0.0332      2.001     -0.017      0.987      -3.955       3.889
ar.L1.D.value     0.4521      0.004    125.523      0.000       0.445       0.459
                                    Roots
=============================================================================
                  Real          Imaginary           Modulus         Frequency
-----------------------------------------------------------------------------
AR.1            2.2121           +0.0000j            2.2121            0.0000
-----------------------------------------------------------------------------
                 0
count  61342.000000
mean      -0.002785
std      271.547836
min    -1214.607892
25%     -177.361073
50%      -10.190582
75%      163.289654
max     1764.975933
predicted=23185.100396, expected=24256.000000
predicted=24662.786120, expected=24260.000000
predicted=24261.797614, expected=23689.000000
predicted=23430.931739, expected=23349.000000
```

```
predicted=23195.322122, expected=22896.000000
predicted=22691.240789, expected=22454.000000
predicted=22254.200053, expected=22050.000000
predicted=21867.365169, expected=21672.000000
predicted=21501.108320, expected=21353.000000
predicted=21208.770706, expected=21047.000000
predicted=20908.641399, expected=20873.000000
predicted=20794.306902, expected=20613.000000
predicted=20495.428770, expected=20065.000000
predicted=19817.227735, expected=19678.000000
predicted=19502.999435, expected=19483.000000
predicted=19394.794092, expected=19439.000000
predicted=19419.055958, expected=19112.000000
predicted=18964.117631, expected=19179.000000
predicted=19209.232260, expected=18931.000000
predicted=18818.833257, expected=18955.000000
predicted=18965.791636, expected=18881.000000
predicted=18847.490456, expected=18622.000000
predicted=18504.858827, expected=18571.000000
predicted=18547.884740, expected=18416.000000
predicted=18345.870376, expected=18563.000000
predicted=18629.389092, expected=18585.000000
predicted=18594.884104, expected=18559.000000
predicted=18547.185943, expected=18451.000000
predicted=18402.117630, expected=18418.000000
predicted=18403.020400, expected=18637.000000
predicted=18735.936215, expected=18695.000000
predicted=18721.158368, expected=19042.000000
predicted=19198.801436, expected=19297.000000
predicted=19412.217497, expected=19197.000000
predicted=19151.740980, expected=19536.000000
predicted=19689.185952, expected=19615.000000
predicted=19650.658447, expected=20244.000000
predicted=20528.283431, expected=21131.000000
predicted=21531.975259, expected=21630.000000
predicted=21855.572309, expected=22017.000000
predicted=22191.944248, expected=22269.000000
predicted=22382.910239, expected=22895.000000
predicted=23178.028647, expected=23342.000000
predicted=23544.104499, expected=24480.000000
```