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#Objective 2:
#Considering current trend of COVID-19 tests in Malaysia, I want to determine
the number of COVID-19 test kits that would be required each week in
Malaysia,  over next 3 months.

extract columns 'date' and 'new_tests' in dataframe "df_objective2"

df_objective2.plot(Trend,Seasonality, and Noise graph to analyse the data)
divide df_objective2 in ratio of 70:30 in train_df_objective2 and
test_df_objective2 dataframe

from library pylab import package rcParams

using train_df_objective2 create a decomposition graph
plot the graph.
and show the graph

if(for train_df_objective2 Autocorrelation function Function(ACF)  is not
Stationary):
    use differencing method
    Verify Augmented Dickey-Fuller (ADF) for trend
    if(P value less than or = 0.05):
        Plot graph Partial Autocorrelation function (PACF)
        Plot graph Autocorrelation function Function(ACF)
        Extract value of Probable Autoregression (AR) and Probable Moving
Average(MA)
        Create a SARIMA Model 'aarima_model' using method
sm.tsa.sarima.SARIMA().
        FIT the model
        Evaluate model using Mean Squared Error(MSE) and Root Mean Squared
Error (RMSE)
        if(RMSE between 0.2 and 0.5 ):
            Accept Model
            Predict result for new_tests for each day for next 90 days.
            Calcualte number of tests lits required: Assuming 1 new_test
requires 1 test kit.
            Calcualte number fo test kits required per week for next 13 weeks

        else:
            restart modelling
```