CHALLENGE
TBATS and Retail Footfall

01 INDEX FREQUENCY

You need to provide Python with the frequency of the data. Use the "W" to indicate that we have weekly data.

02 VISUALIZE THE DATA

Getting to know the Data is very important, and visualization can be very helpful for you to understand better the trend, cyclical patterns, and even the variability of the Time Series In this Time Series, there is something weird

03 TRAINING AND TEST

Set the Test Set to be 5 weeks. The easy way is to just set the last 5 elements The goal of splitting between training and test is to have an unbiased way of assessing your model since it only knows the training data

04 TBATS MODEL

Game time! You are now ready to build the model. You only need to include the Time Series. Can take some seconds/minutes to complete

05 FORECASTING

You are now ready to forecast. Just include the test regressors and the function will know that you need to predict the next 5 weeks. You also need to visualize the outcome to see how the model is faring compared to the test set

06 ACCURACY ASSESSMENT

Uhuh! You are at the last step. Assess the model based on the RMSE. What do you think? Again, it is difficult to rate just one model. The goal is that you know how to measure the erros.

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