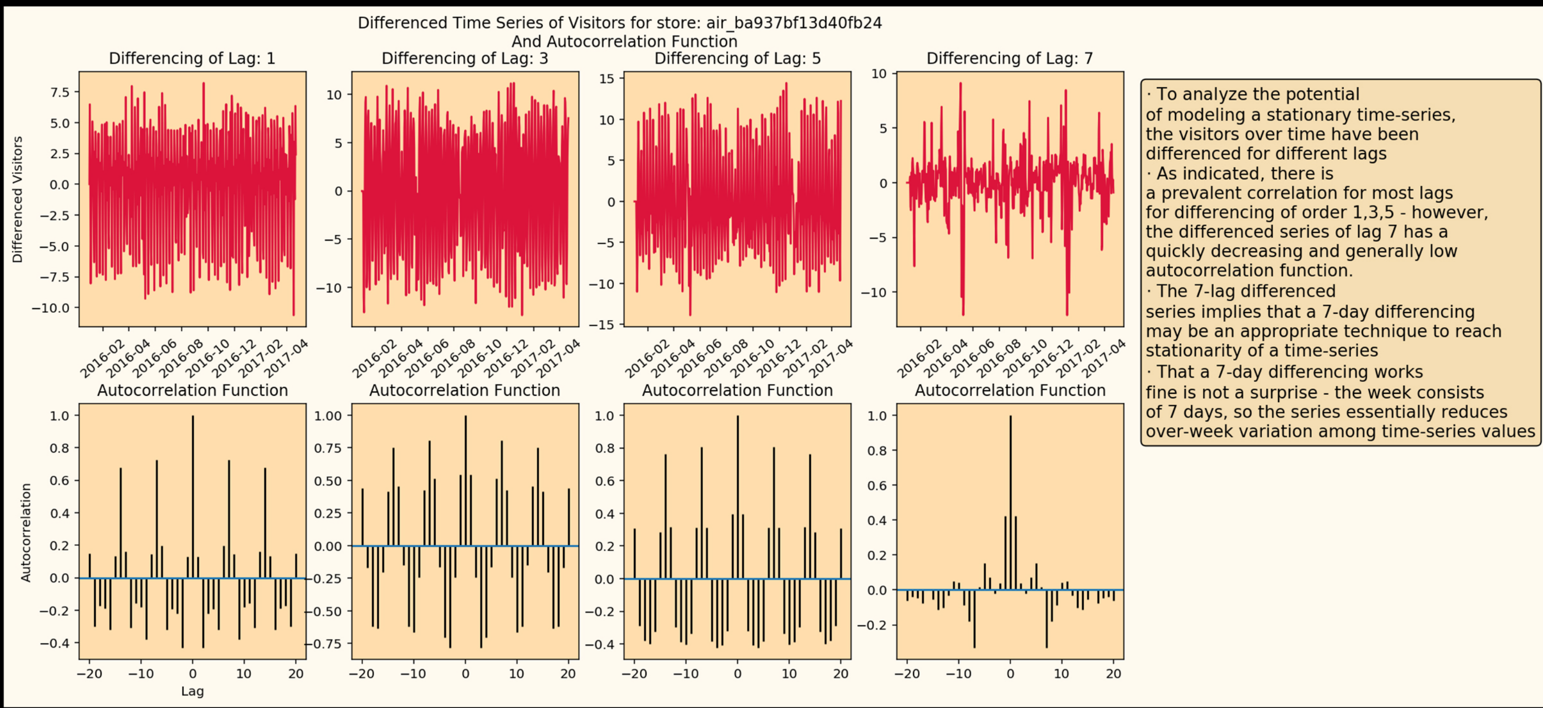
Recruit Restaurants - Forecasting - Prediction Analysis - Time series analysis

- Before applying matemathical models to our time-series data, a key idea is to analyze whether the time-series can be transformed to a stationary, or almost, time-series. One typical approach is to difference the time-series, and check for weak stationarity (constant mean over time, and time-independent autocorrelation function



- To further illustrate the effect of differencing time-series with a lag of 7, we consider this type of transformation to the average amount of visitors (daily) for each type of restaurant, to see if the assumption of stationarity is plausible