

USE CASE

“ SUBSCRIBER SALES:

TIME SERIES FORECASTING ”

USING – PYTHON

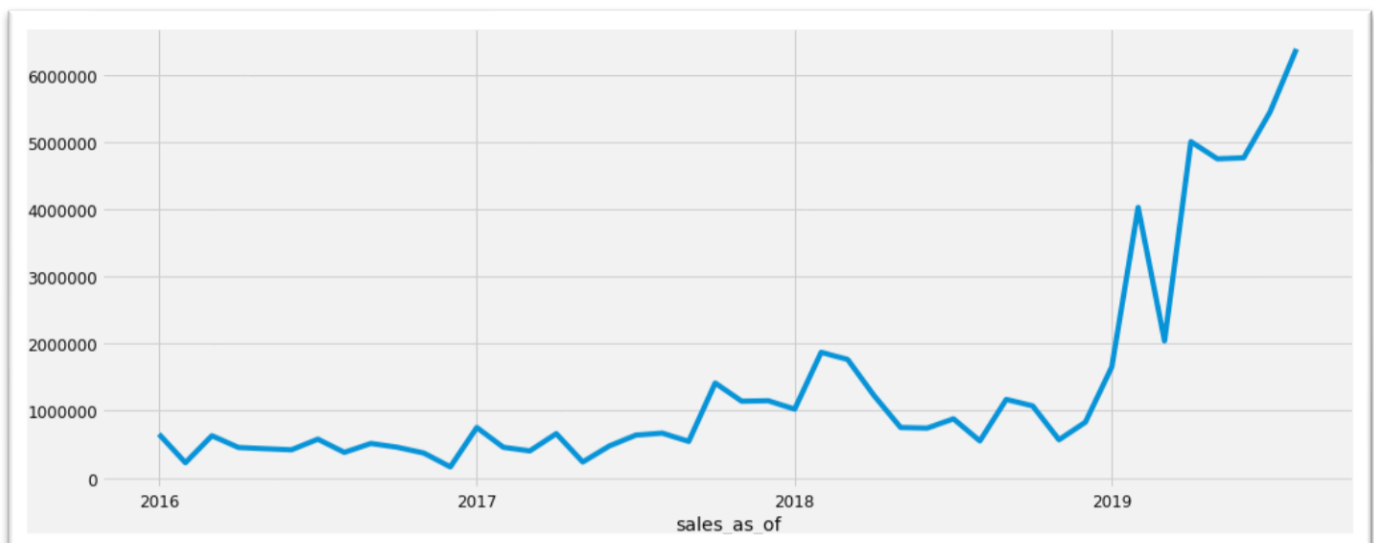
By – SIDDHESH POWAR

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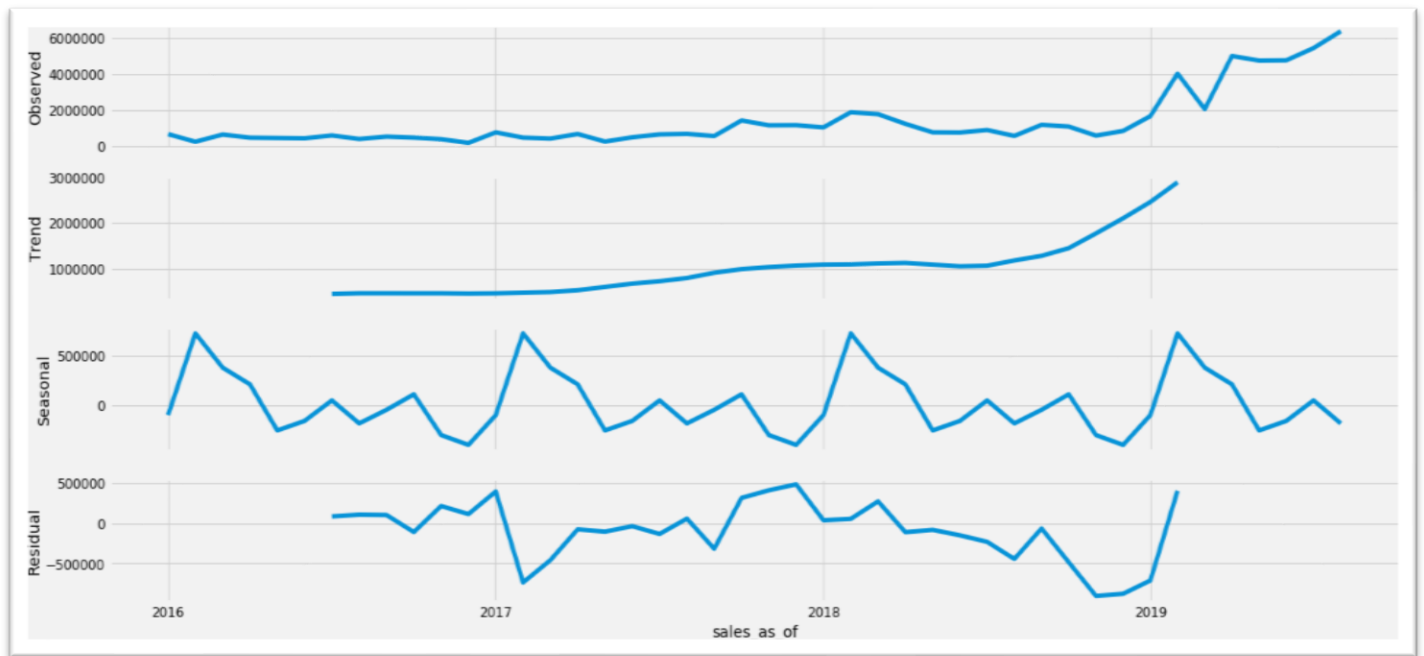
Out[138]:

	subscriber_sales	group_sales	single_sales	sales_as_of
0	652480	88494	431855	2016-01-01
1	226265	62675	738325	2016-02-01
2	628389	30922	197442	2016-03-01
3	453213	73444	529684	2016-04-01
4	434995	142798	616868	2016-05-01
5	418074	113697	533114	2016-06-01
6	576920	59979	371420	2016-07-01
7	379966	42341	294322	2016-08-01
8	512966	108317	637258	2016-09-01
9	456315	29652	309699	2016-10-01
10	370067	30715	176085	2016-11-01
11	163906	80393	376300	2016-12-01
12	750485	65570	457345	2017-01-01
13	456174	26961	227967	2017-02-01

Visualizing the Subscriber Sales



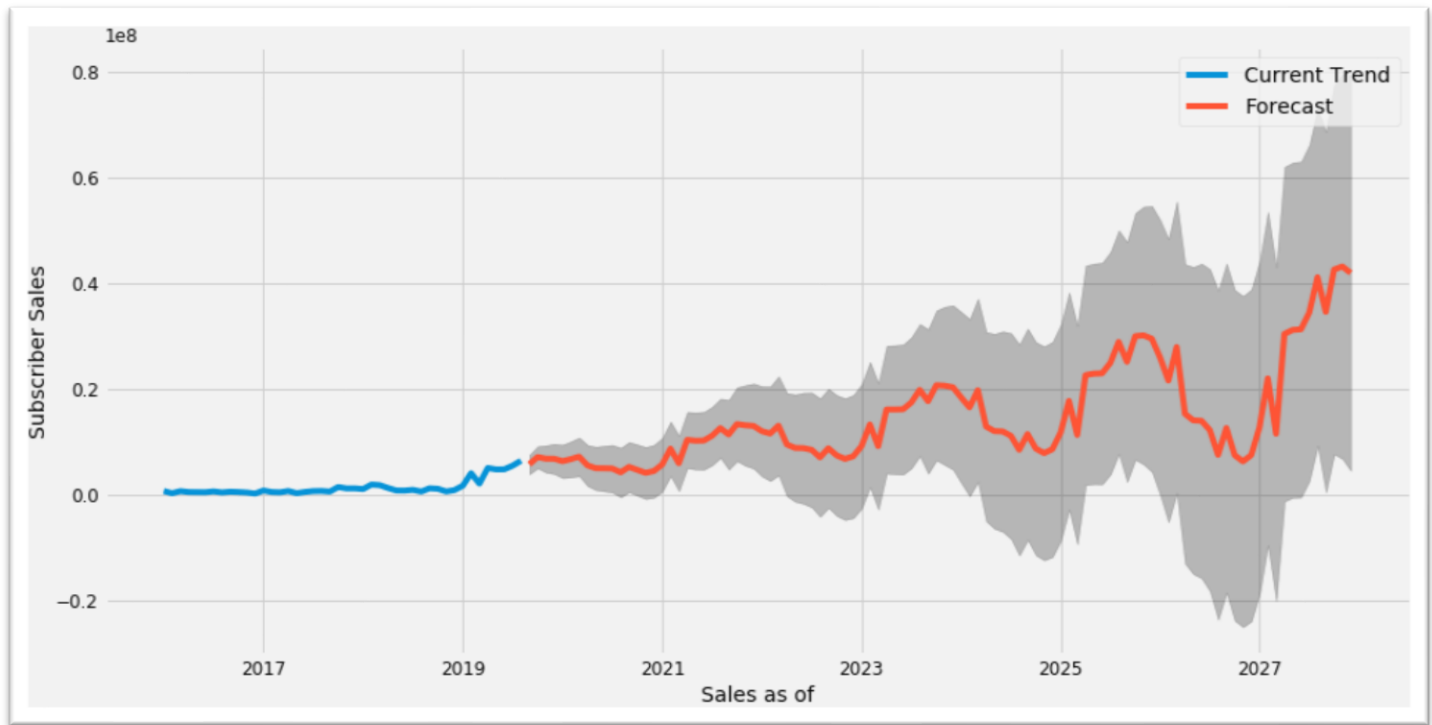
Time Series Decomposition



Validating Forecasts with Model



Visualizing the Actual Forecast 10 Years Ahead



Model Diagnostics

