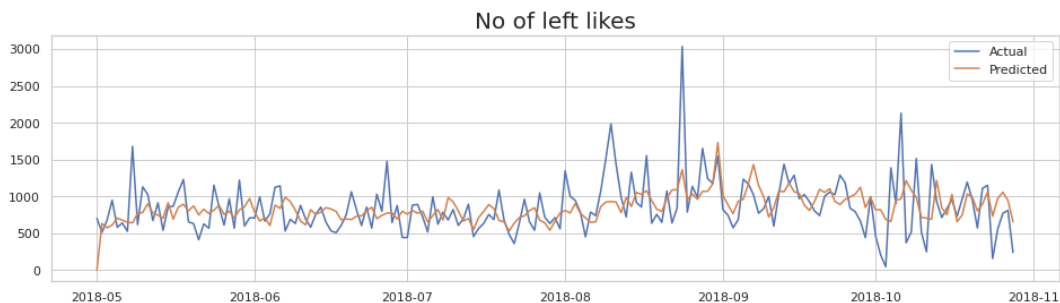


RMSE'S FOR posts with new URL.JSON (4.5 gb)

MODEL	LEFT LIKES COUNT	CENTRE LIKES COUNT	RIGHT LIKES COUNT	
SARIMA (0 lookback and predicting one day)	334.5257	311.0815	1428.6495	
LSTM (1 lookback and predicting one day)	Train: - 349.70 Test: - 379.16	Train: - 259.29 Test: - 618.68	Train: - 1371.01 Test: - 3185.82	
LSTM (3 lookbacks and predicting next day)	Train: - 348.49 Test: - 387.37	Train: - 257.73 Test: - 612.77	Train: - 1254.70 Test: - 2811.50	
MULTI STEP TIME SERIES FORECASTING (3 lookbacks and predicting next 6 days)	t+1: - 488.395620 t+2: - 516.298575 t+3: - 483.172350 t+4: - 495.154409 t+5: - 493.509627 t+6: - 461.217922	t+1: - 609.511985 t+2: - 732.681038 t+3: - 781.566654 t+4: - 723.294581 t+5: - 775.954755 t+6: - 853.704116	t+1: - 2807.651218 t+2: - 3901.076744 t+3: - 3659.017856 t+4: - 3640.364063 t+5: - 3657.681928 t+6: - 3655.565659	

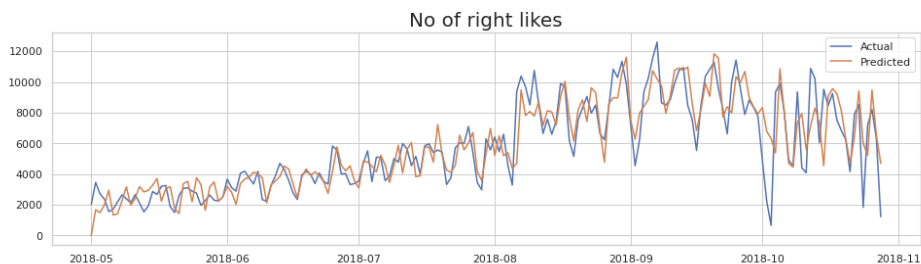
RMSE PLOTS: -

SARIMA: - (Left likes)



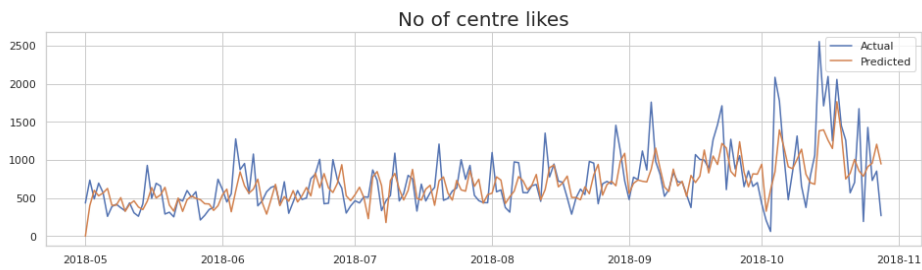
SARIMA: - (right likes)

[384]: <matplotlib.legend.Legend at 0x7ff6c8590f70>

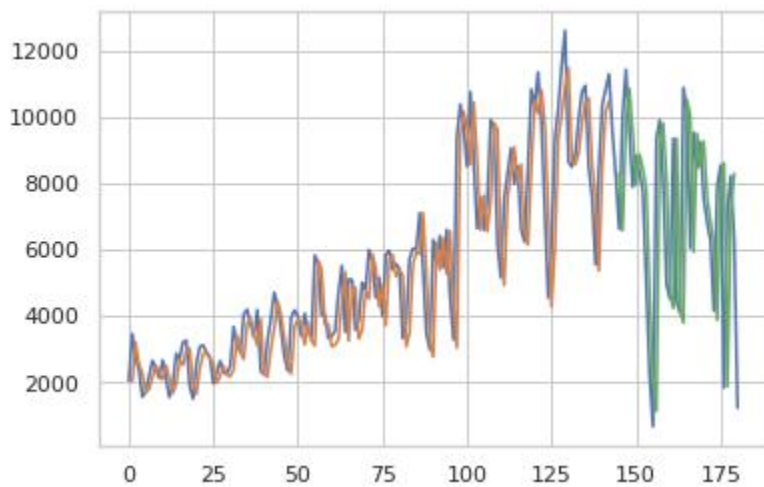


SARIMA: -(centre likes)

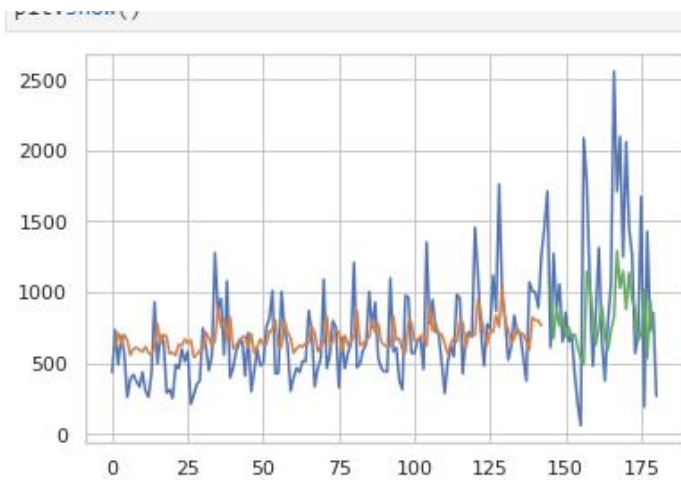
```
[399]: <matplotlib.legend.Legend at 0x7ff6f05f4f10>
```



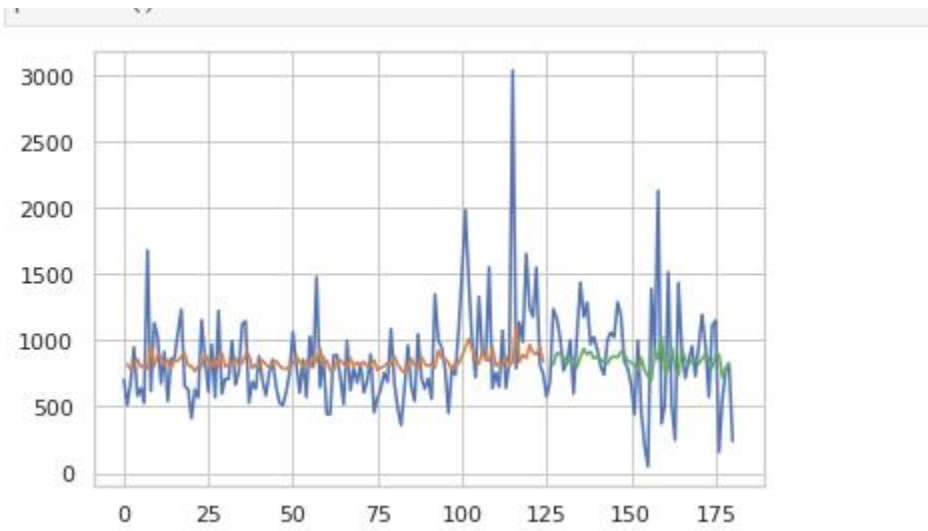
LSTM(1 lookback, right likes):-



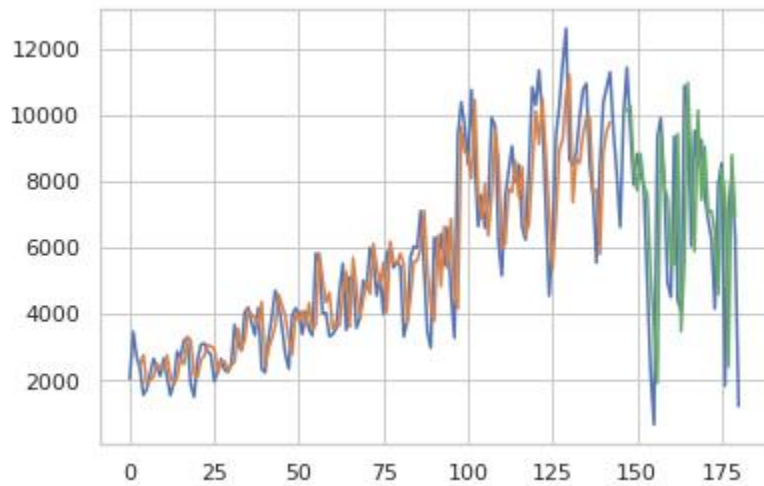
LSTM(1 lookback, center likes):-



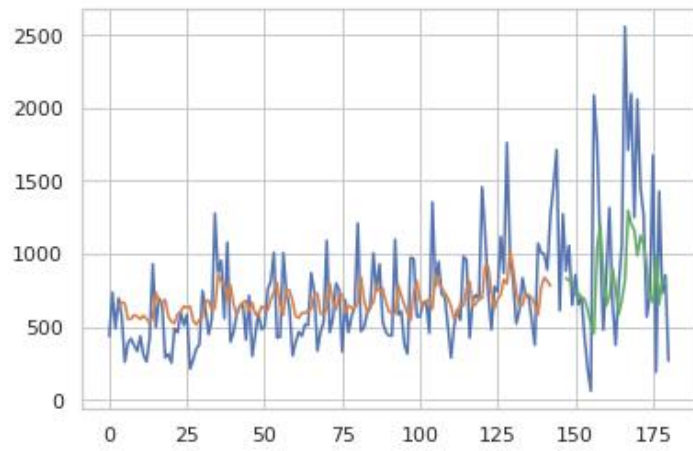
LSTM (1 lookback, left likes):-



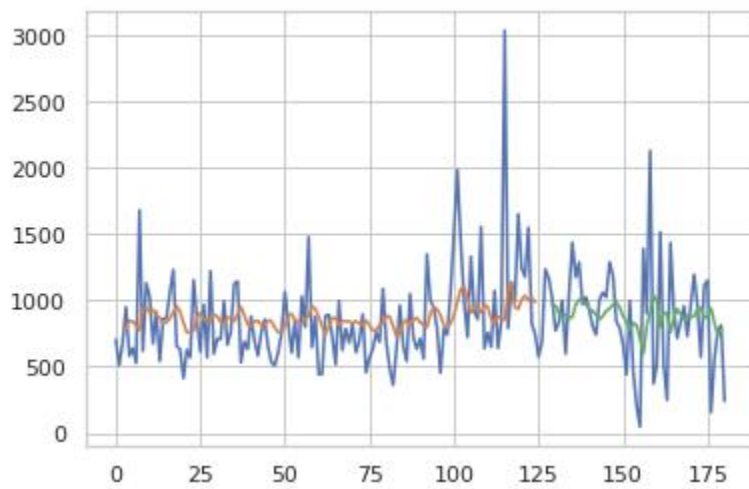
LSTM (3 lookbacks, right likes):-



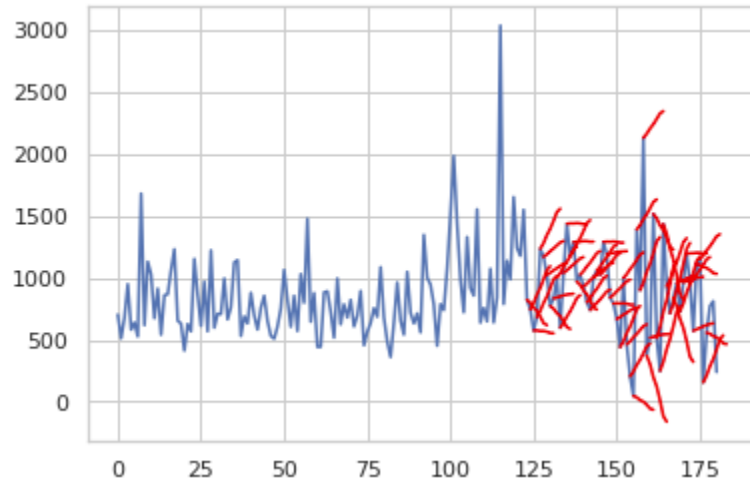
LSTM (3 lookbacks, centre likes):-



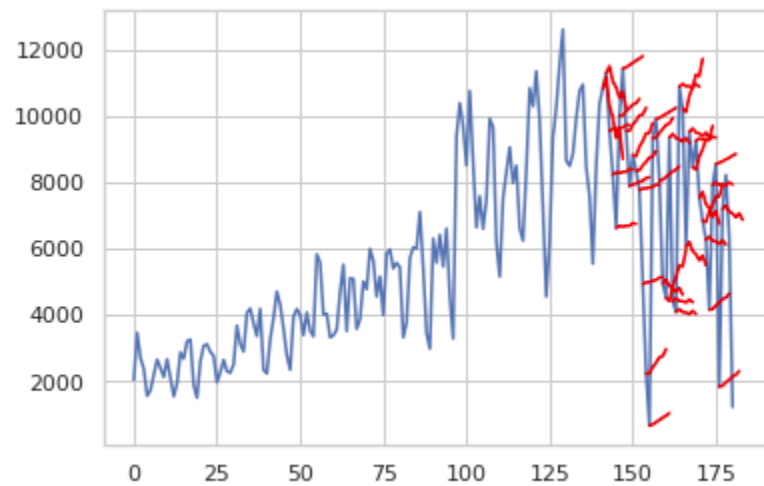
LSTM (3 lookbacks, left likes): -



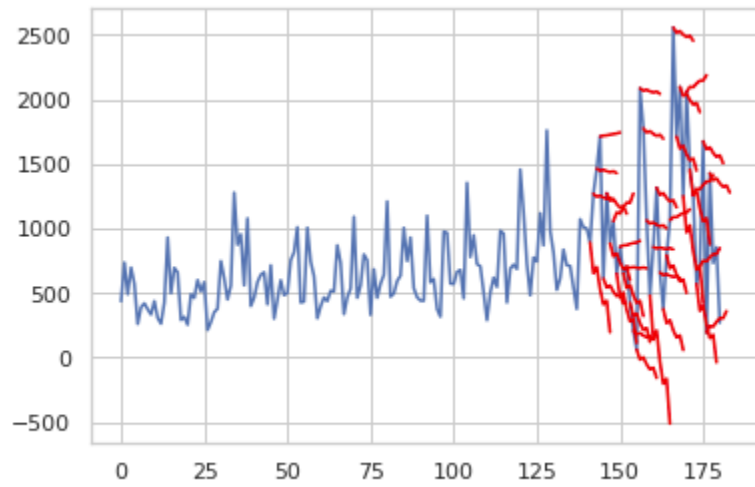
Multistep forecasting (3 lookbacks, 6 next days, left likes):-



Multistep forecasting (3 lookbacks, 6 next days, right likes):-



Multistep forecasting (3 lookbacks, 6 next days, Centre likes): -

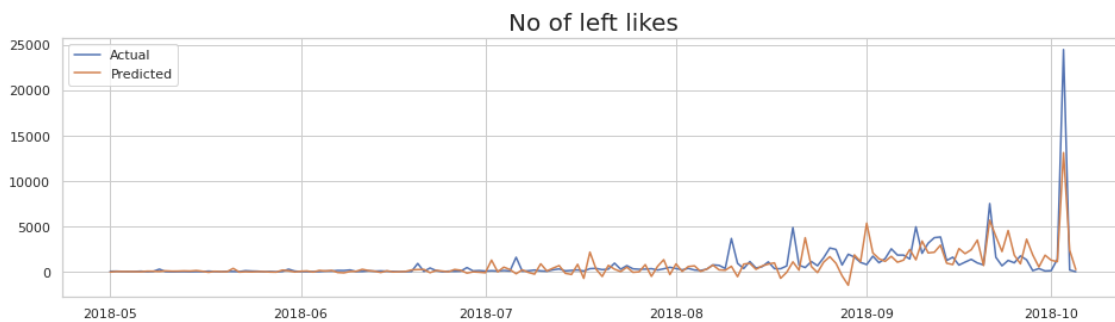


RMSE'S FOR tweet_ICWSM.json (2.6 gb)

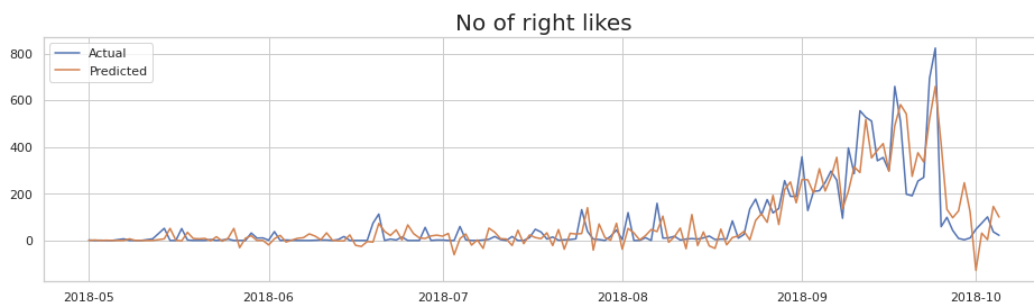
MODEL	LEFT LIKES COUNT	CENTRE LIKES COUNT	RIGHT LIKES COUNT	
SARIMA (0 lookback and predicting one day)	1378.5156	222.8438	76.4956	
LSTM (1 lookback and predicting one day)	Train: - 409.50 Test: - 3798.81	Train: - 158.16 Test: - 549.40	Train: - 46.01 Test: - 200.72	
LSTM (2 lookbacks and predicting next day)	Train: - 407.97 Test: - 3797.40	Train: - 156.41 Test: - 541.0	Train: - 43 Test: - 212.41	
MULTI STEP TIME SERIES FORECASTING (2 lookbacks and predicting next 6 days)	t+1: - 1861.044228 t+2: - 2011.34667 t+3: - 1916.780302 t+4: - 3834.359648 t+5: - 3895.389131 t+6: - 3758.957960	t+1: - 669.900764 t+2: - 667.199061 t+3: - 637.427705 t+4: - 648.512694 t+5: - 538.084875 t+6: - 676.645297	t+1: - 209.158343 t+2: - 266.291956 t+3: - 282.515753 t+4: - 287.466773 t+5: - 298.656508 t+6: - 281.626054	

RMSE PLOTS :-

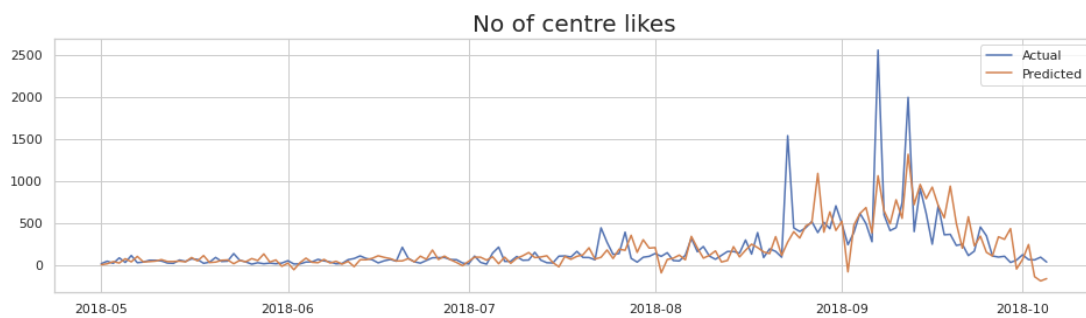
SARIMA(left likes):-



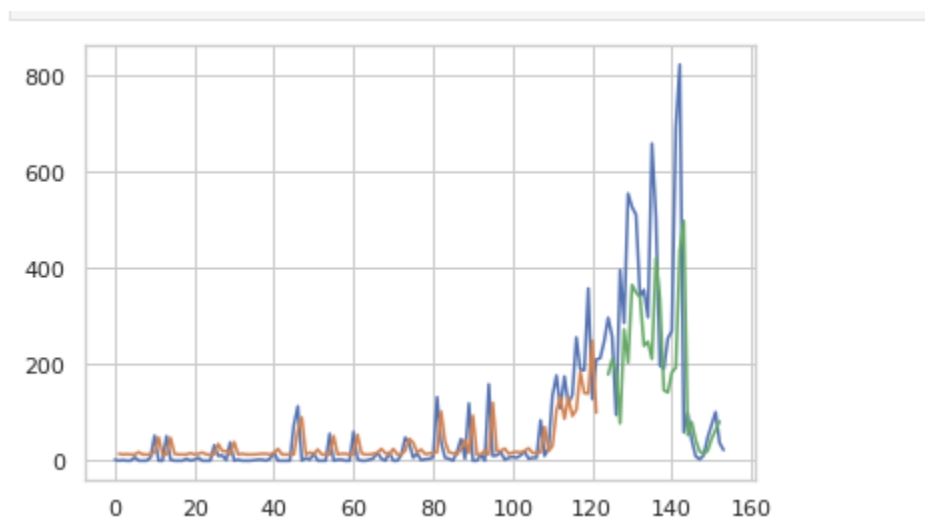
SARIMA (Right likes):



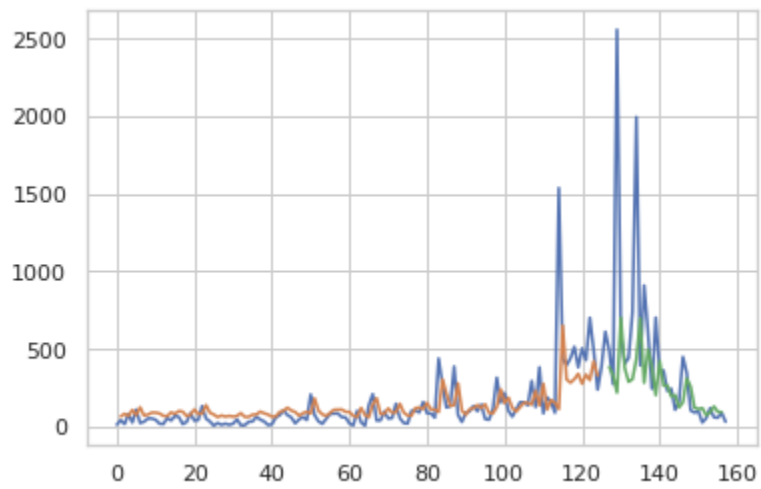
SARIMA (Centre likes):



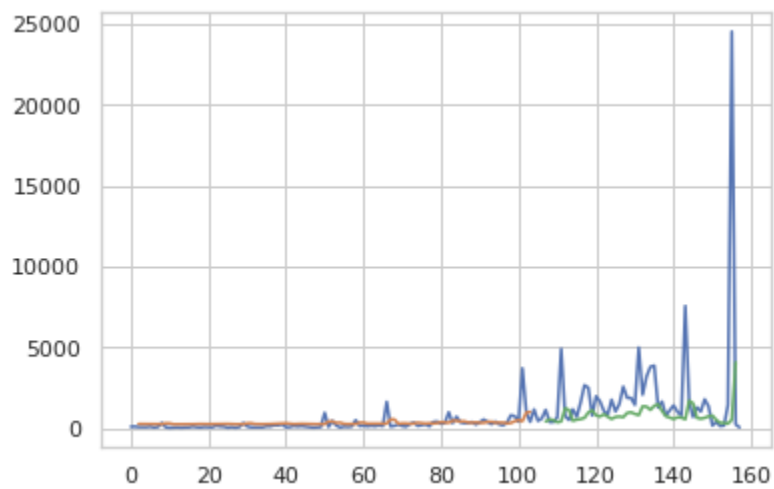
LSTM(1 LOOKBACK, right likes):



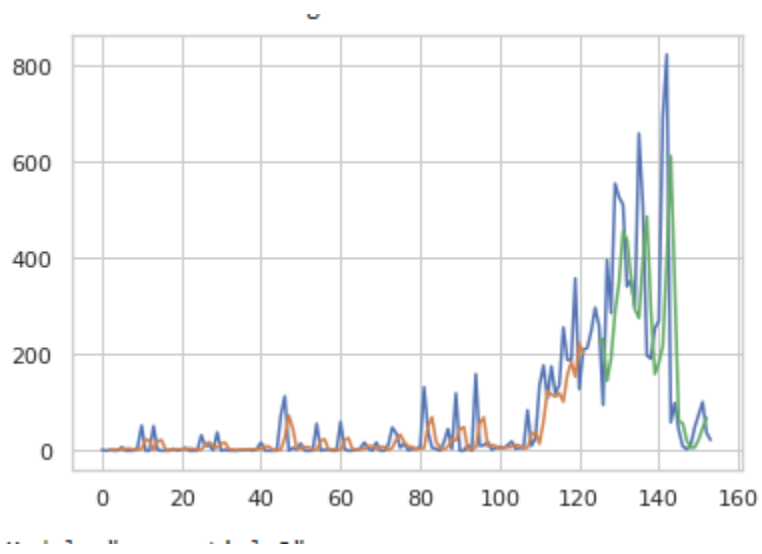
LSTM(1 lookback, centre likes):



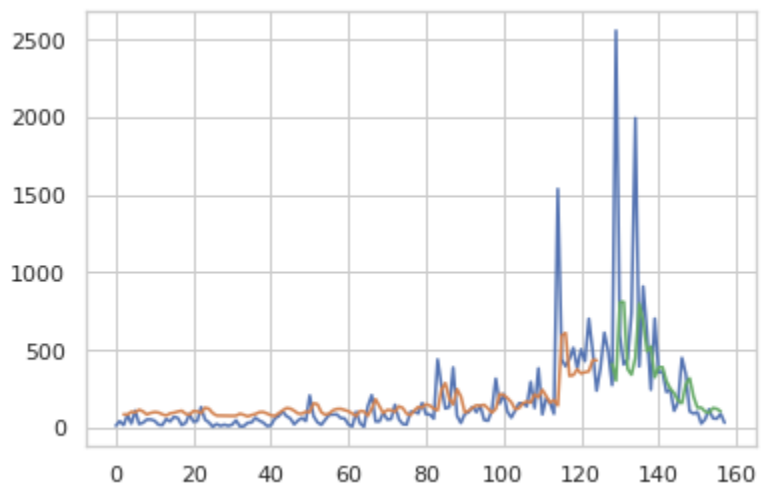
LSTM (1 LOOKBACK, left likes): -



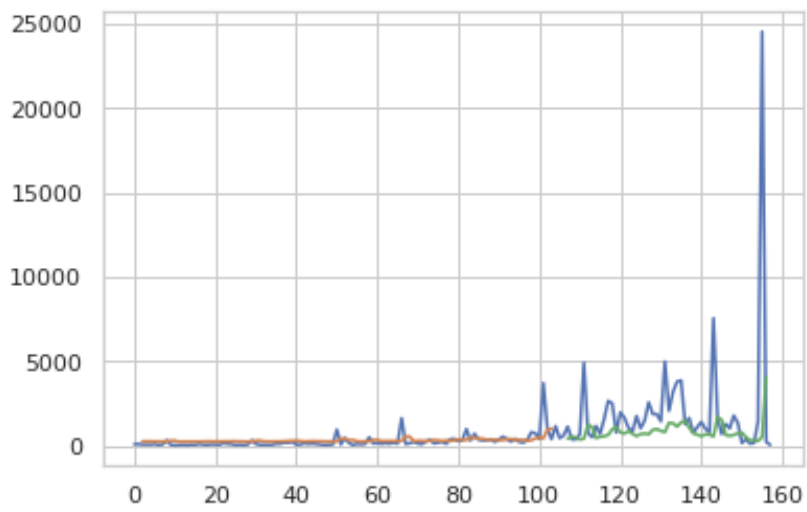
LSTM(2 Lookbacks, right likes):-



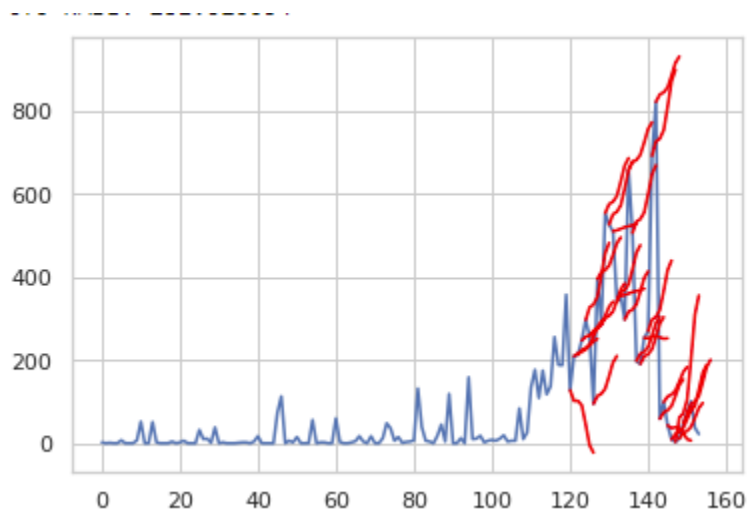
LSTM(2 Lookbacks, centre likes):-



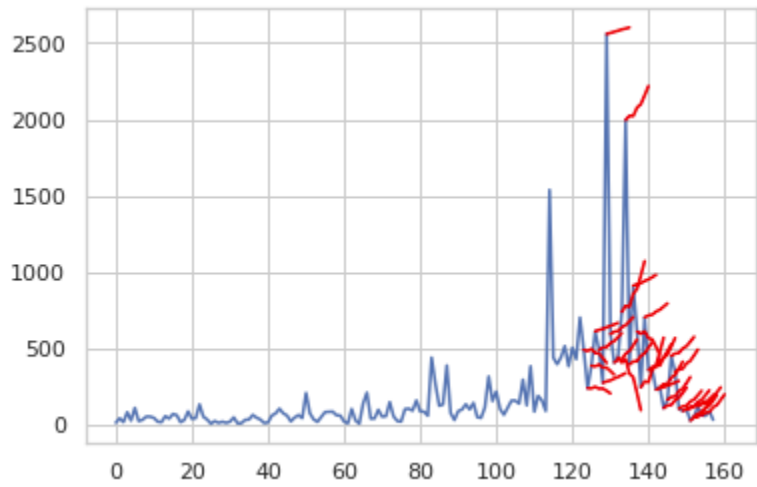
LSTM (2 lookbacks, left likes):-



Multistep forecasting(2 lookbacks, 6 next days, right likes):-



Multistep forecasting(2 lookbacks, 6 next days, center likes):-



Multistep forecasting (2 lookbacks, 6 next days, left likes):-

