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In [74]: ▶ if __name__ == '__main__':

    print('Reading files')
    full_data, target_data, test_data = read_file()
    smooth(target_data)

    print('Making full forecast')
    full_forecasts = make_predictions(target_data)
```

Reading files

Outliers found at DatetimeIndex(['2017-04-01', '2018-05-01', '2018-08-01', '2018-09-01',

'2019-05-01', '2019-06-01'],
dtype='datetime64[ns]', freq=None)

Outliers found at DatetimeIndex(['2016-11-01', '2017-01-01', '2017-02-01', '2017-03-01',

'2018-07-01', '2018-08-01'],
dtype='datetime64[ns]', freq=None)

Outliers found at DatetimeIndex(['2017-02-01', '2017-12-01', '2018-01-01', '2018-12-01',

'2019-04-01', '2019-05-01'],
dtype='datetime64[ns]', freq=None)

Outliers found at DatetimeIndex(['2017-04-01', '2018-03-01', '2018-11-01', '2019-02-01',

'2019-03-01', '2019-09-01'],
dtype='datetime64[ns]', freq=None)

Making full forecast

"AUTO" for "Segment 2Sandesh Brand 1 / Sandesh Brand 2 - Segment 2Broadband FalconAverage revenue per new customer - Falcon"

"AUTO" for "Segment 2Sandesh Brand 1 / Sandesh Brand 2 - Segment 2Broadband FalconAverage revenue per existing customer - Falcon"

"AUTO" for "Segment 2Sandesh Brand 1 / Sandesh Brand 2 - Segment 2Broadband FalconGross Adds - Falcon(Norm)"

"AUTO" for "Segment 2Sandesh Brand 1 / Sandesh Brand 2 - Segment 2Broadband FalconNet Migrations - Falcon(Norm)"

```
In [ ]: ▶ submission = make_submission(full_forecasts, train_data)
# submission.to_csv('output/prediction.csv', index=False)
```

```
In [75]: evaluate(full_forecasts, test_data, target_data, plot=True)
```

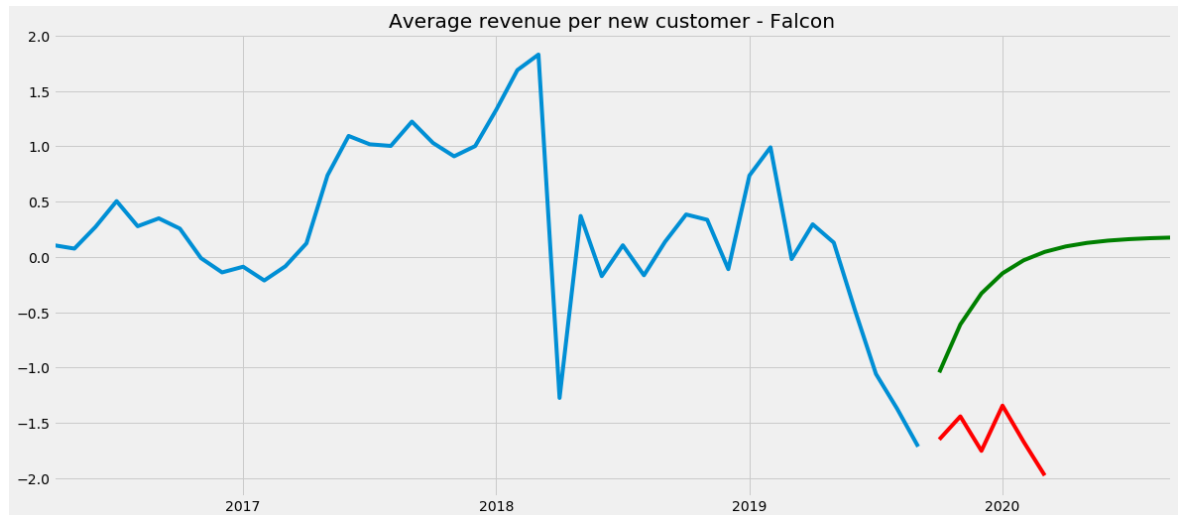
For "desh Brand 2 - Segment 2BroadbandFalconAverage revenue per new customer - Falcon" with model "AUTO"

MAPE : 0.7750821719200225

Threshold : 0.1, Target: 0.05

Raw score : 0.22877311663825872

Threshold score : 0



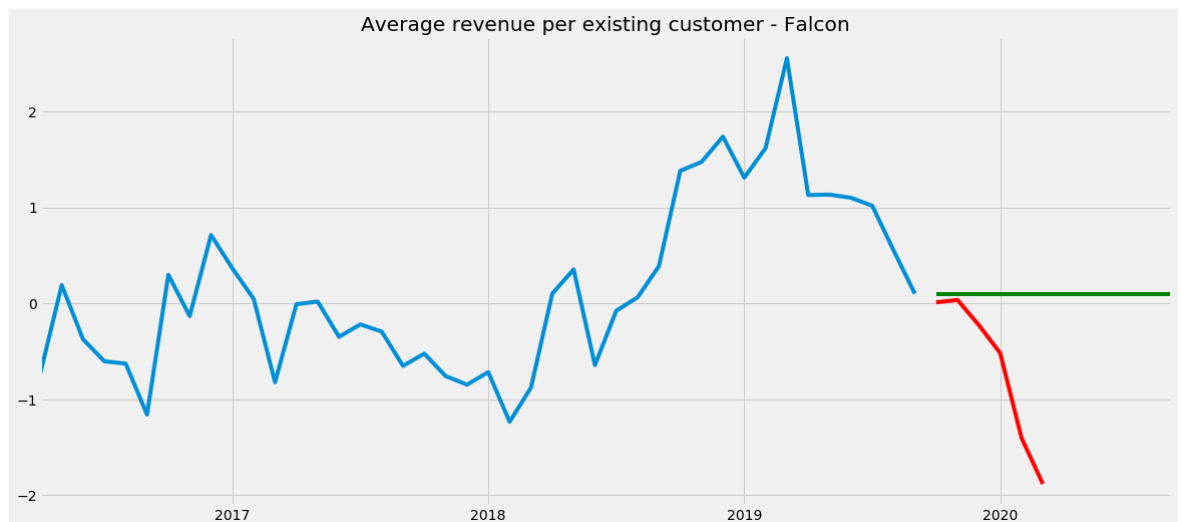
For "desh Brand 2 - Segment 2BroadbandFalconAverage revenue per existing customer - Falcon" with model "AUTO"

MAPE : 2.7505650884512476

Threshold : 4.5, Target: 3.0

Raw score : 0.0

Threshold score : 0.07



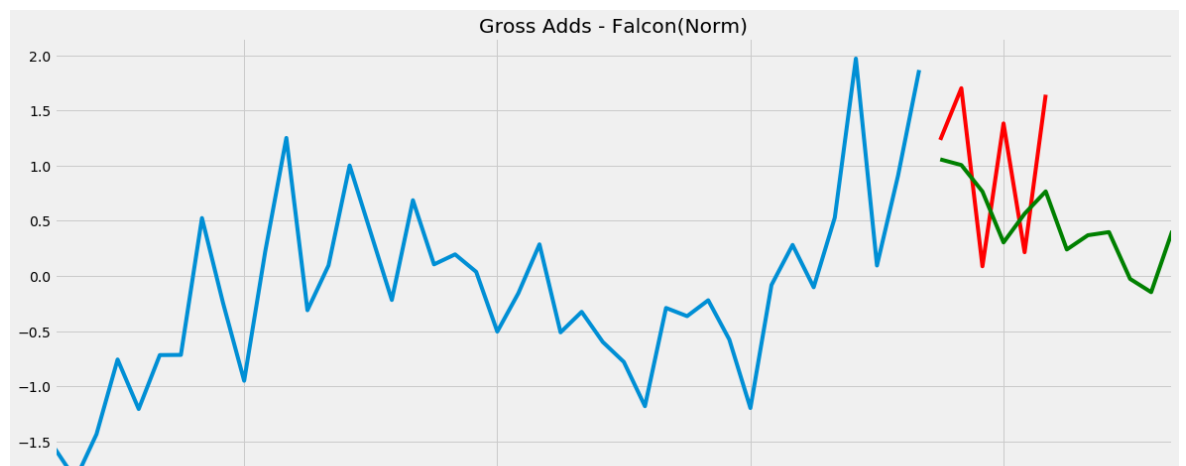
For "desh Brand 2 - Segment 2BroadbandFalconGross Adds - Falcon(Norm)" with model "AUTO"

MAPE : 1.867899924506245

Threshold : 5.0, Target: 3.3

Raw score : 0.3557129580525254

Threshold score : 0.07



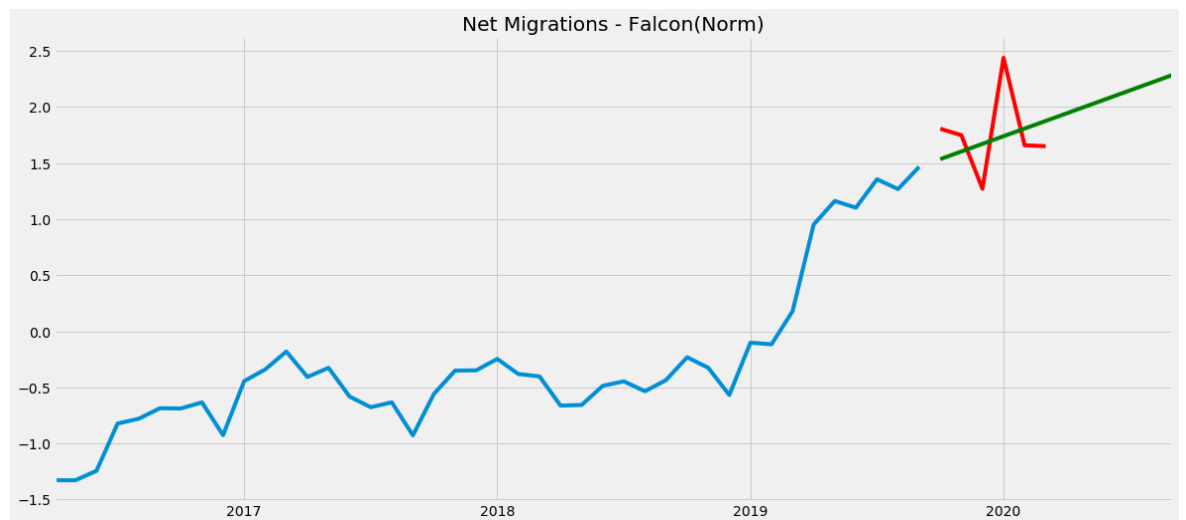
For "desh Brand 2 - Segment 2BroadbandFalconNet Migrations - Falcon(Norm)"
with model "AUTO"

MAPE : 0.176919414737572

Threshold : 0.25, Target: 0.18

Raw score : 0.823080585262428

Threshold score : 0.07



Final Raw score : 0.35189166498830304

Final Threshold score : 0.21000000000000002

In []: ▶

In []: ▶

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