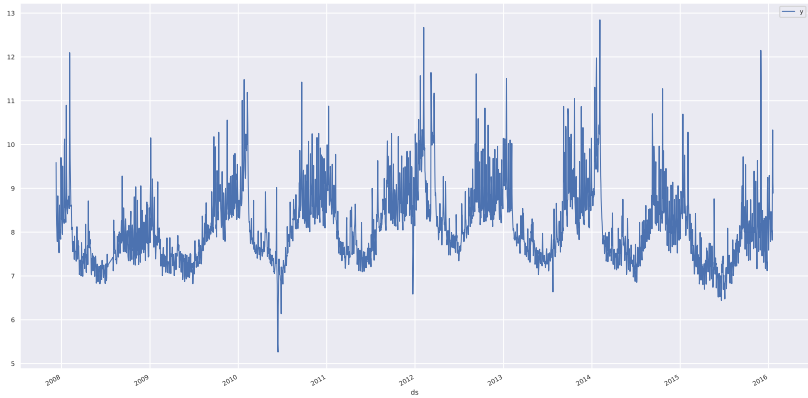


Simple Model Test

Author

2023-03-29

Data Plot

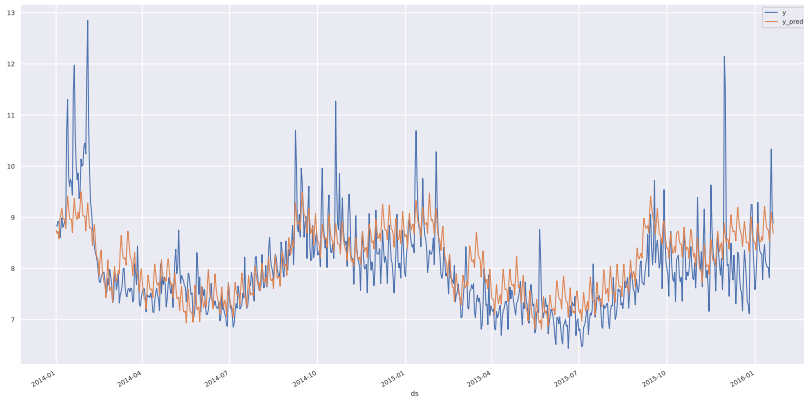


Train set

- ▶ **train end date** 20131231
- ▶ **seasonality**

	monthly	quarter	yearly	weekly
period	30.5	91.125	365.25	7
fourier_order	12	10	10	3
prior_scale	10.0	5.0	10.0	10.0
mode	additive	additive	additive	additive
condition_name				

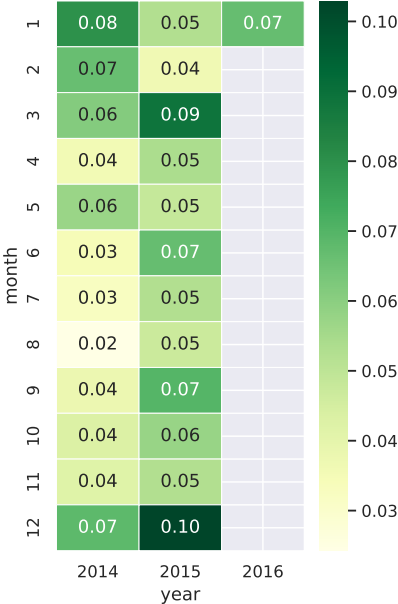
Prediction Result



Error analysis

```
1 def kpi_mape(df, y_true, y_pred):
2     # mape group by yearmonth
3     df[y_pred] = df[y_pred].clip(0, None)
4     df['diff'] = abs(df[y_true] - df[y_pred])
5     mape_df = df.groupby(['year',
6                           'month']).agg({'diff': 'sum', y_true:
7                                           'sum'}).reset_index()
6     mape_df['mape'] = mape_df['diff'] /
7                       mape_df[y_true]
7     res_df = mape_df.pivot(index='month',
8                             columns='year', values='mape')
8     return res_df
```

Error analysis (plot)



Note

Prophet with no holidays info