

洪水検知トリアルデータ解析プロジェクト

八千代エンジニアリング株式会社

カラムについて

- 全ファイル共通で、カラムのインデックスは以下になります.
- 月日, 時刻, 流域平均雨量 (mm/h), 貯水量 ($\times 10^3 \text{m}^3$), 流入量(m^3/s), 放流量(m^3/s), 貯水率(%)



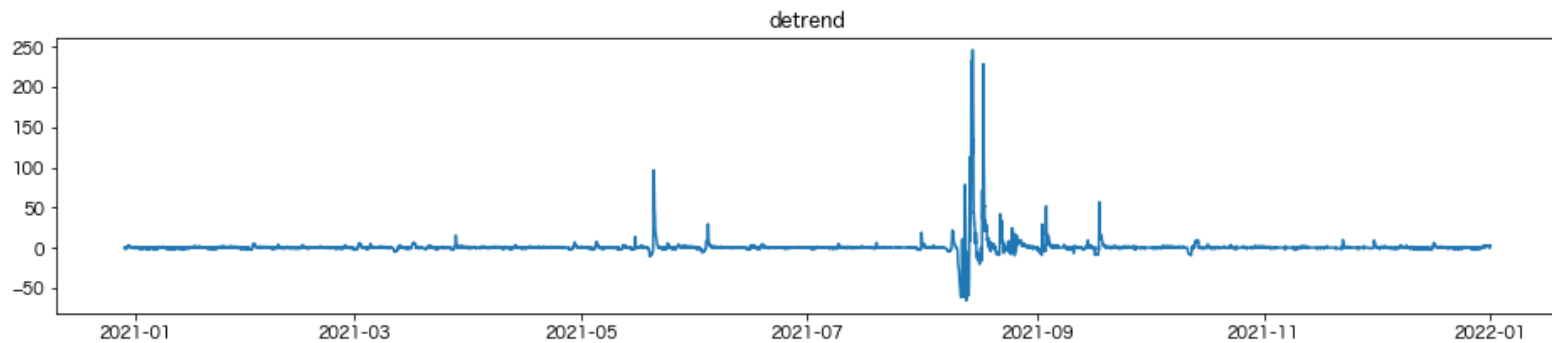
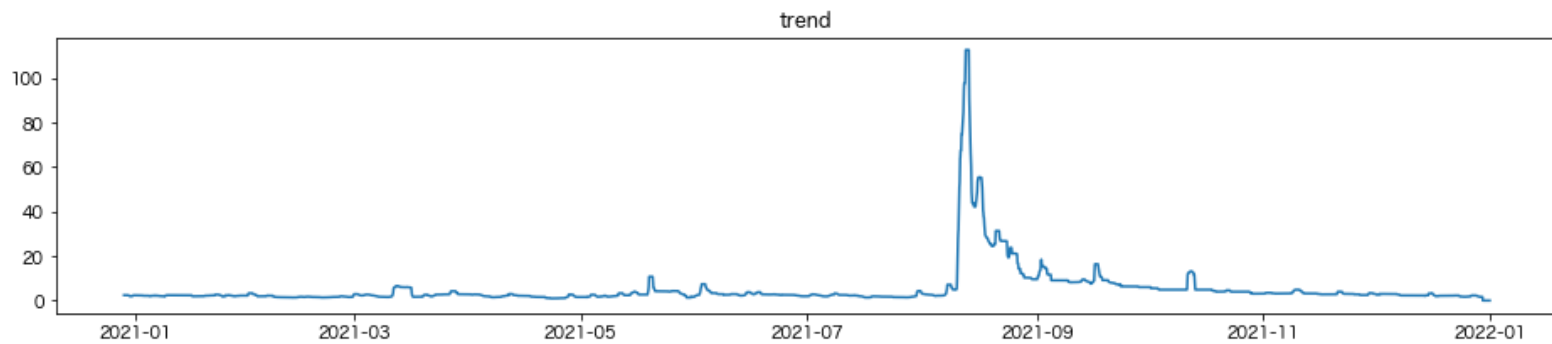
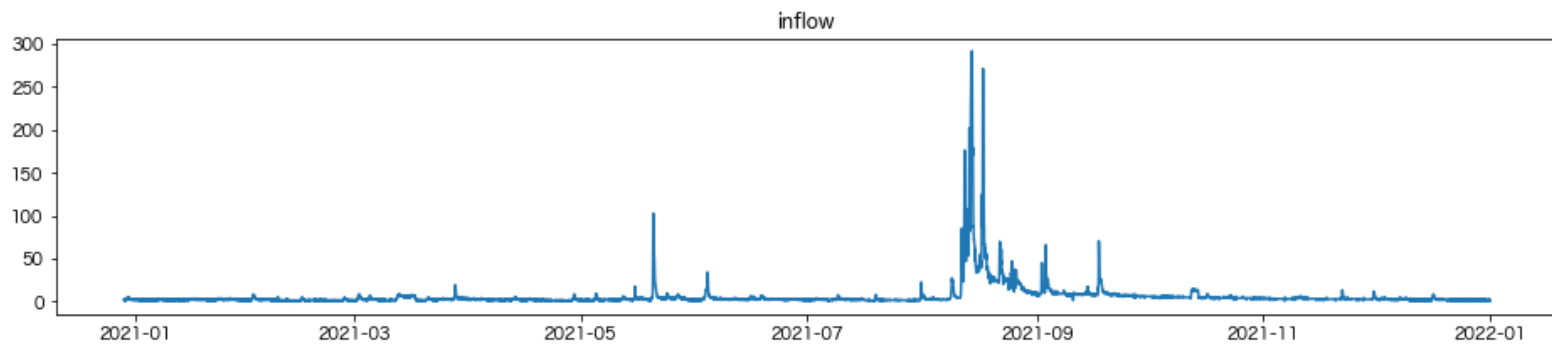
	inflow	place	date	hour	datetime
95153	2.01	Kasegawa	2012/11/08	18:00	2012-11-08 17:00:00
95154	1.99	Kasegawa	2012/11/08	19:00	2012-11-08 18:00:00
95155	1.98	Kasegawa	2012/11/08	20:00	2012-11-08 19:00:00
95156	1.99	Kasegawa	2012/11/08	21:00	2012-11-08 20:00:00
95157	2.00	Kasegawa	2012/11/08	22:00	2012-11-08 21:00:00

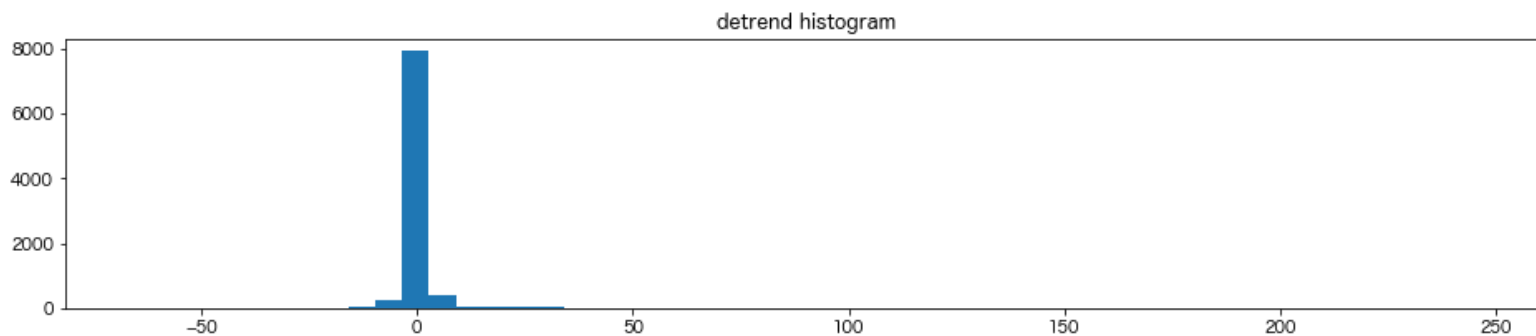
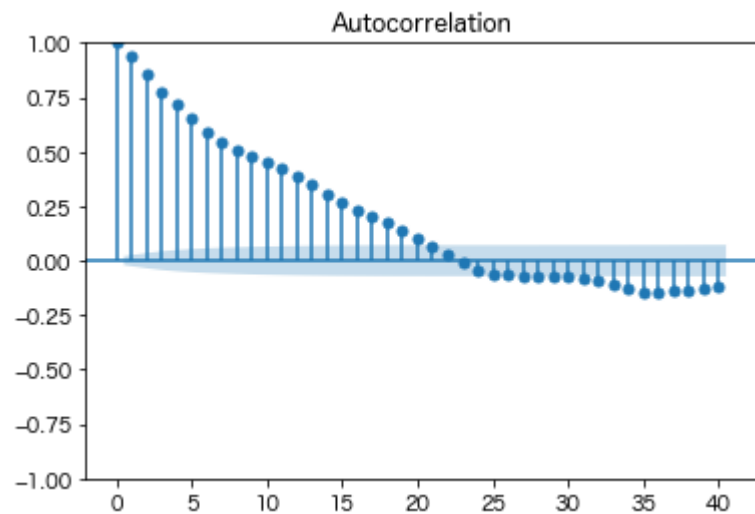
リアルタイム

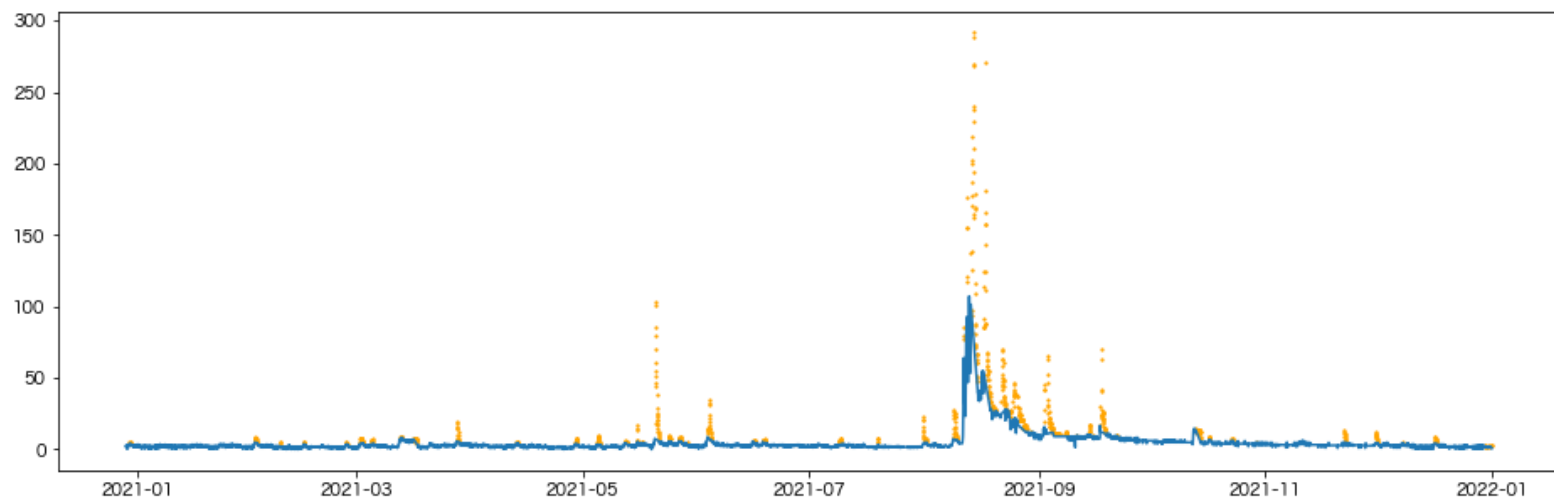
```
<ipython-input-190-68056a34abc4>:11: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```



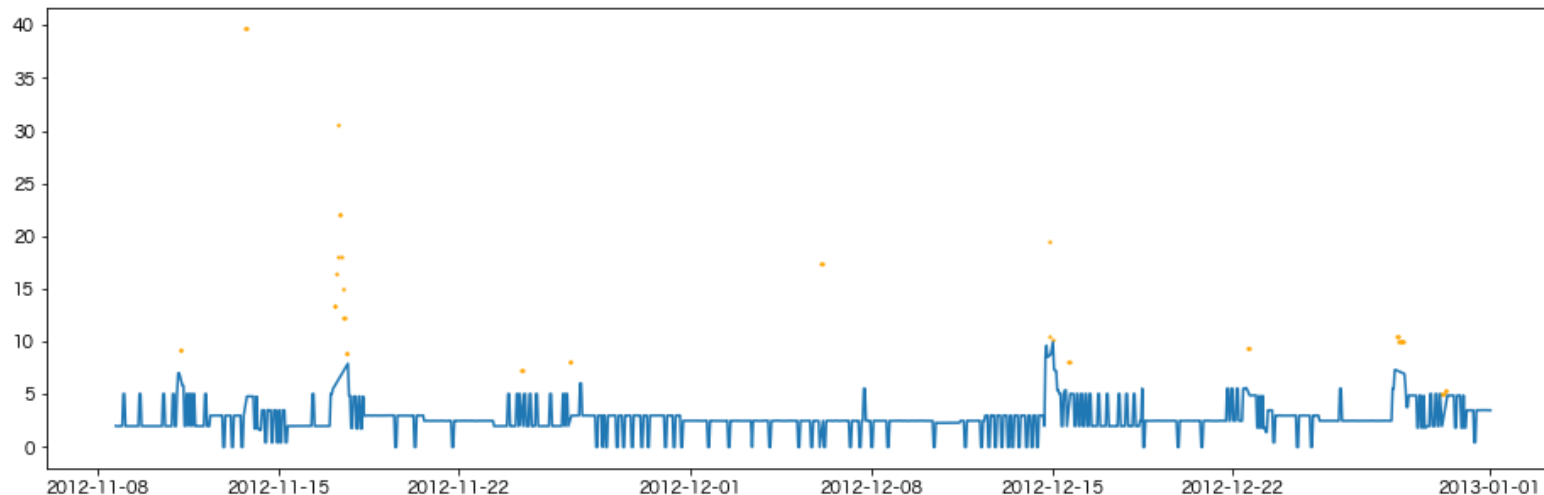




```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

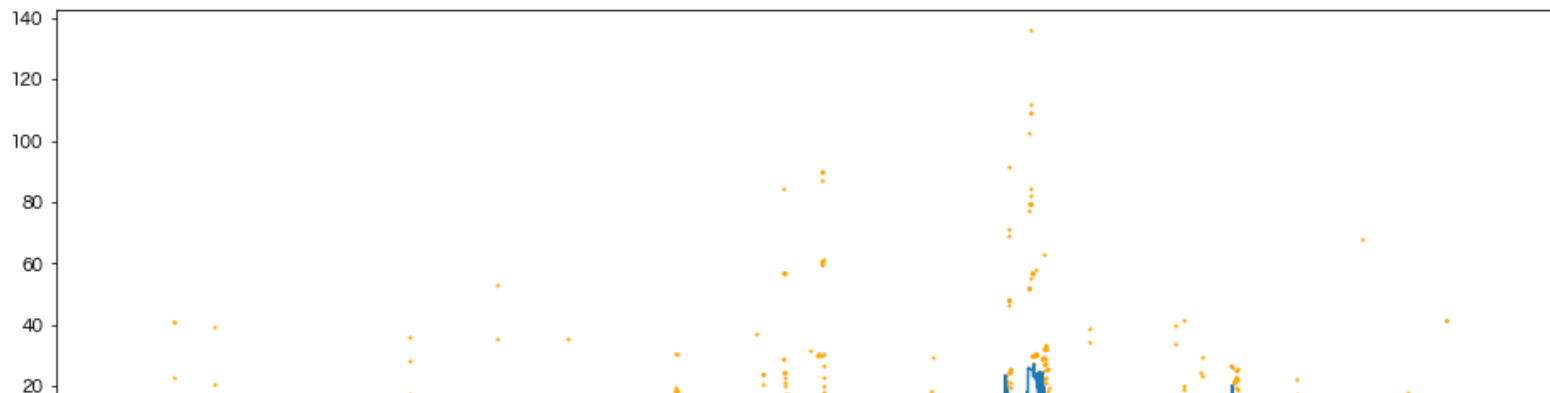
```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```



```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

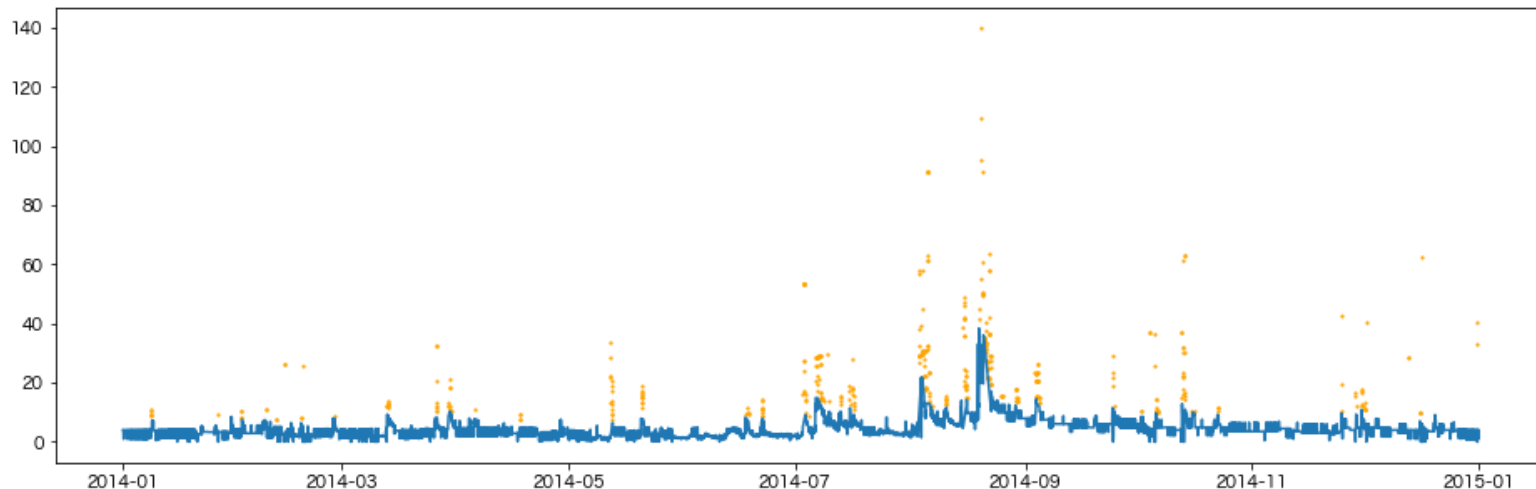
```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```

```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

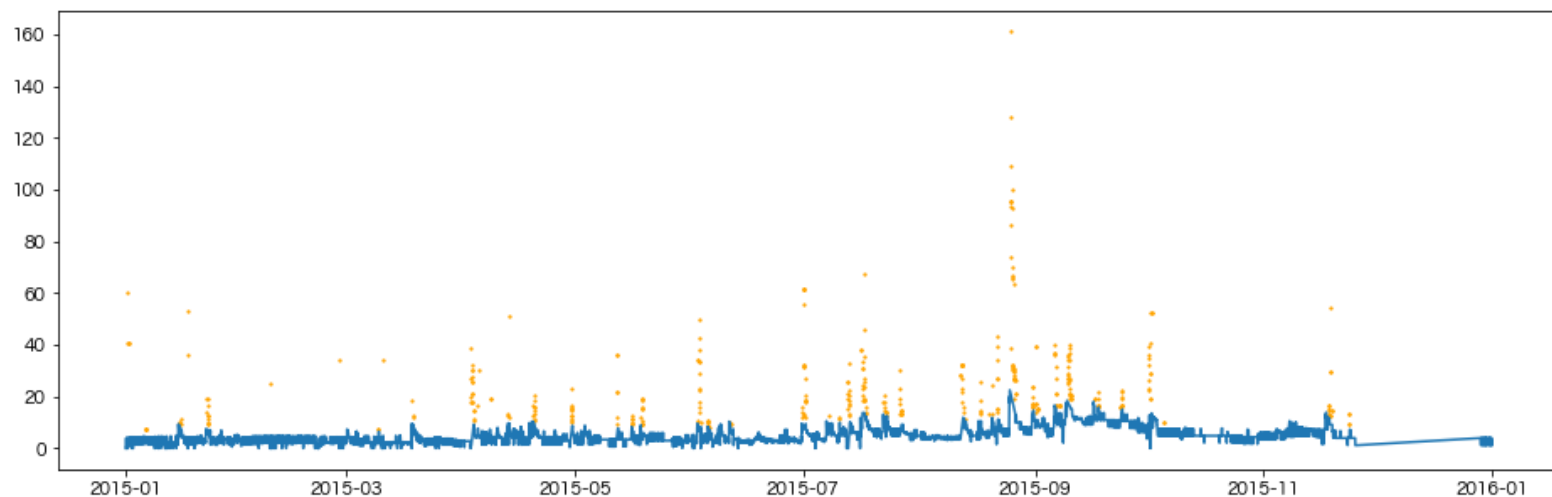
```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```



```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

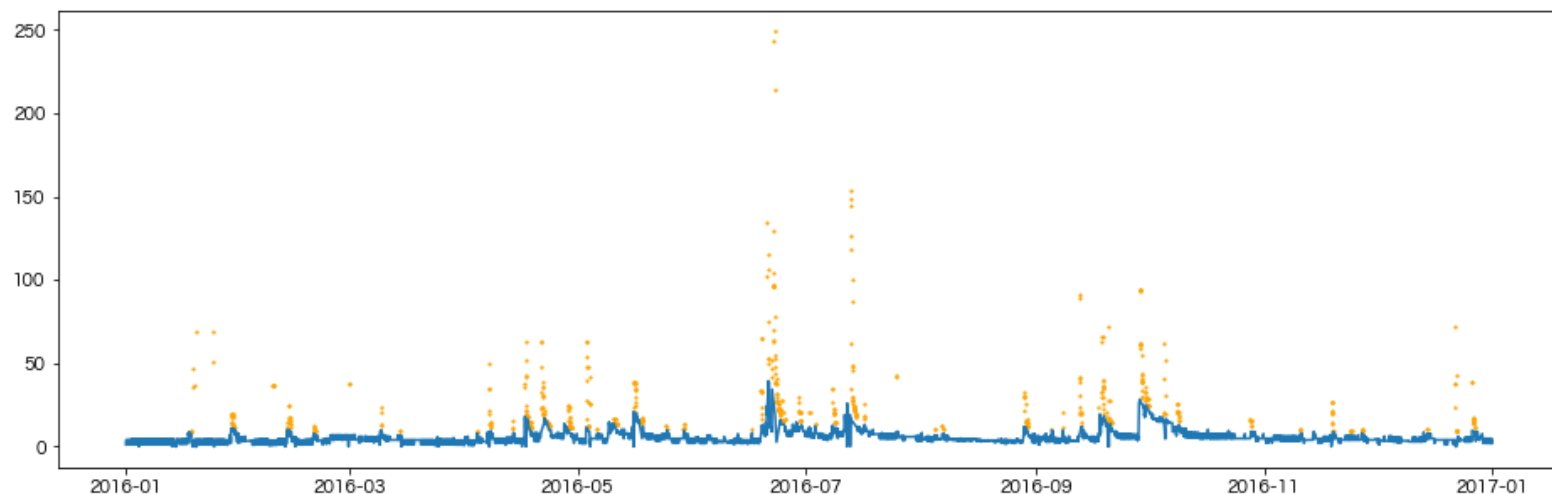
```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```



```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: <https://pandas.pydata.org/pandas-docs/st>

```
able/user_guide/indexing.html#returning-a-view-versus-a-copy
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```



```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

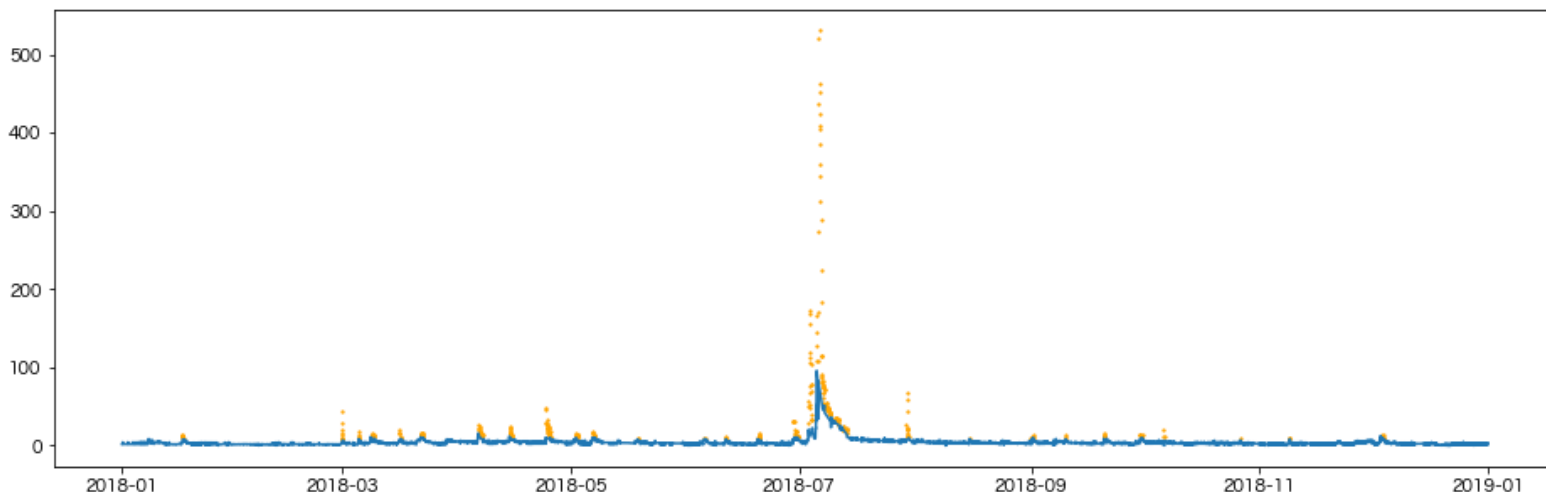
```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```



```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

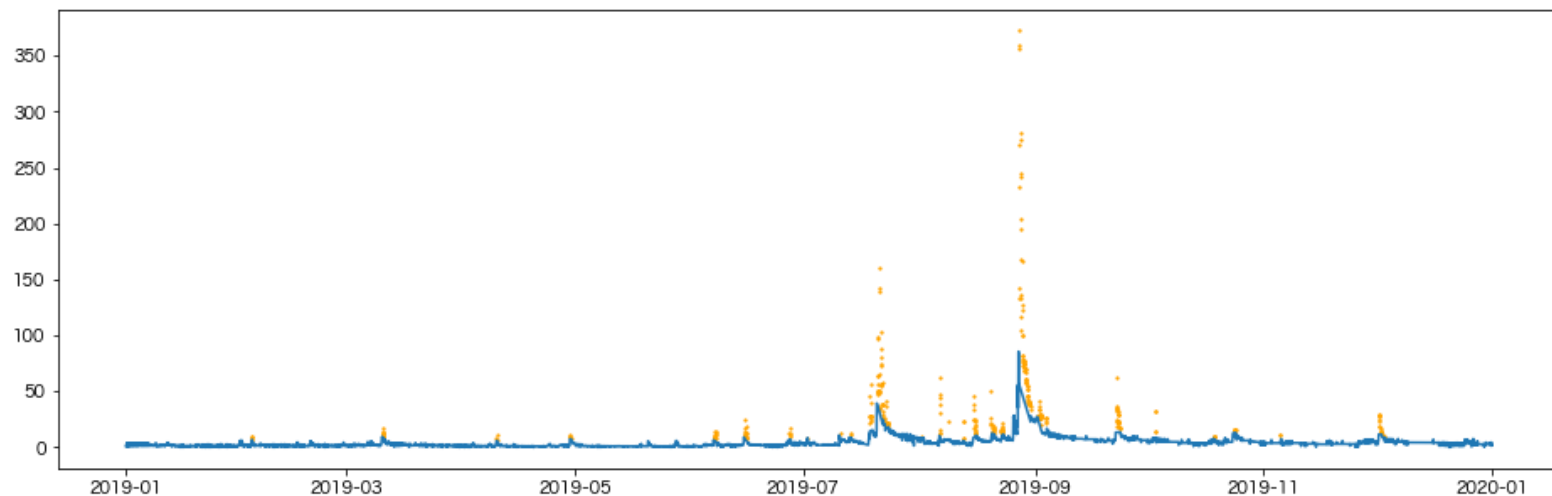
```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```



```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: <https://pandas.pydata.org/pandas-docs/st>

able/user_guide/indexing.html#returning-a-view-versus-a-copy



```
<ipython-input-196-e1331d4e6552>:16: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

```
target_df['trend'] = np.append(trend, np.zeros(window - 1))
```

250

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	inflow	place	date	hour	datetime	trend
158069	8.52	Kasegawa	2020/02/12	21:00	2020-02-12 20:00:00	3.480
160021	8.87	Kasegawa	2020/05/04	05:00	2020-05-04 04:00:00	3.470
160020	8.87	Kasegawa	2020/05/04	04:00	2020-05-04 03:00:00	3.475
160017	8.88	Kasegawa	2020/05/04	01:00	2020-05-04 00:00:00	3.485
160019	8.89	Kasegawa	2020/05/04	03:00	2020-05-04 02:00:00	3.480
...
161562	205.32	Kasegawa	2020/07/07	10:00	2020-07-07 09:00:00	59.960
161563	208.70	Kasegawa	2020/07/07	11:00	2020-07-07 10:00:00	57.310
162054	232.03	Kasegawa	2020/07/27	22:00	2020-07-27 21:00:00	51.175
161561	233.97	Kasegawa	2020/07/07	09:00	2020-07-07 08:00:00	63.545
161577	252.74	Kasegawa	2020/07/08	01:00	2020-07-08 00:00:00	56.255

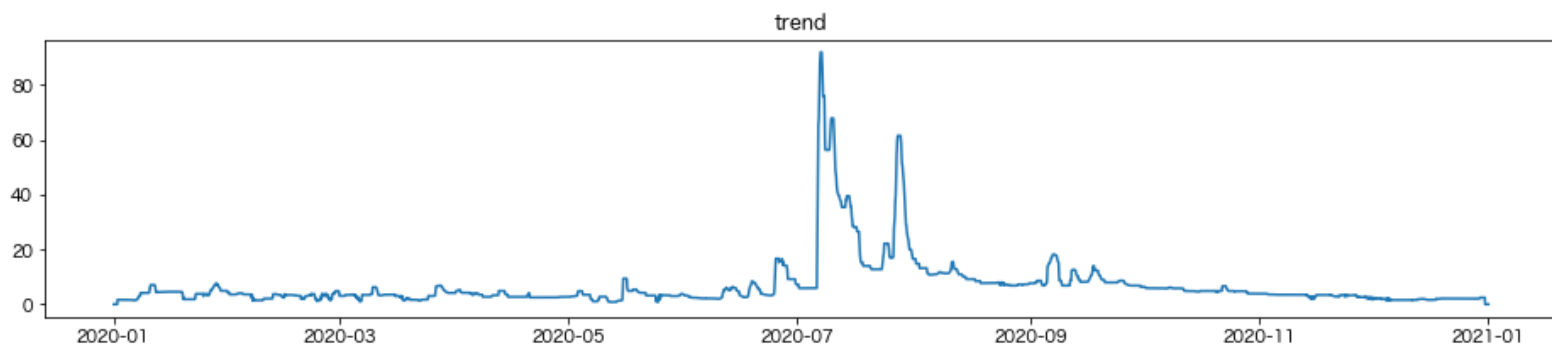
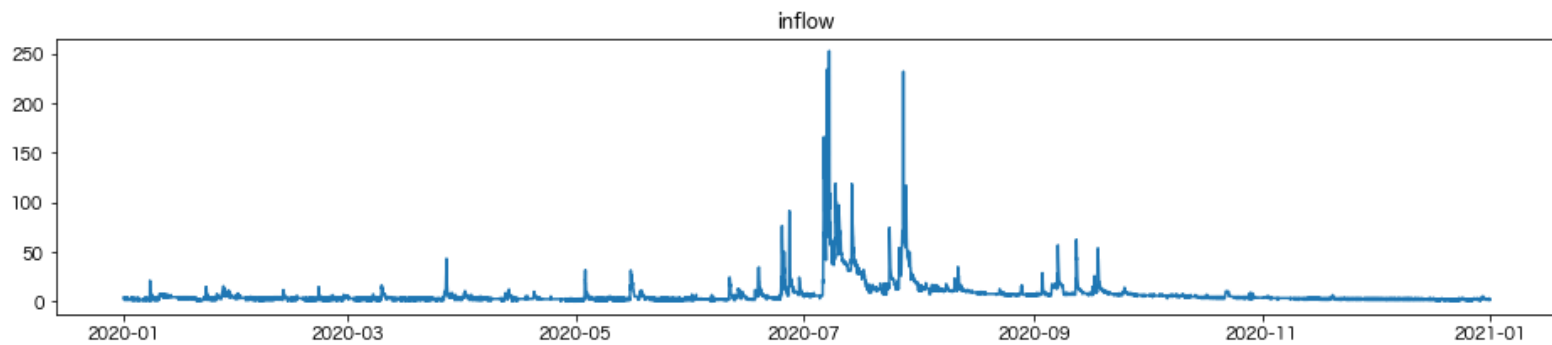
552 rows × 6 columns

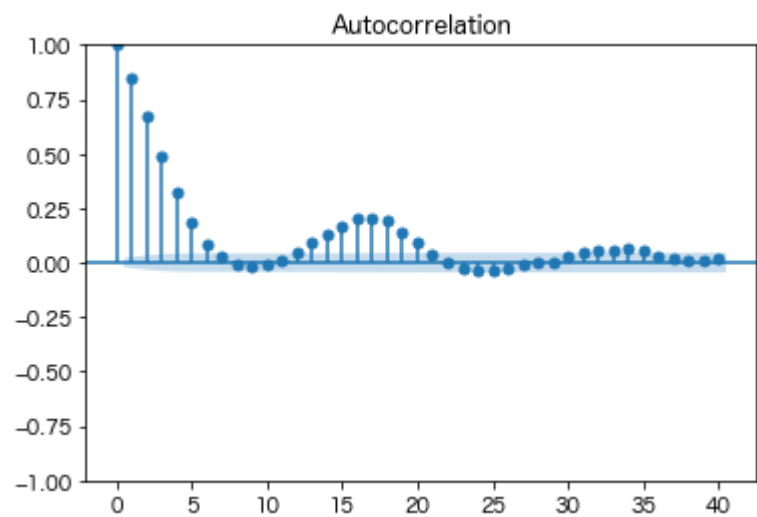
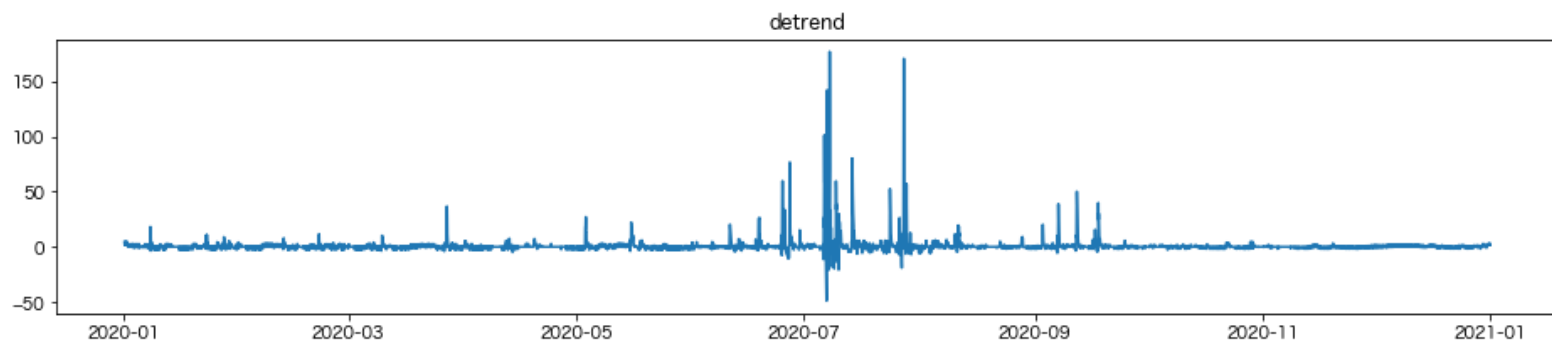
オフライン

```
<ipython-input-199-02e9c5ce1dda>:4: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead
```

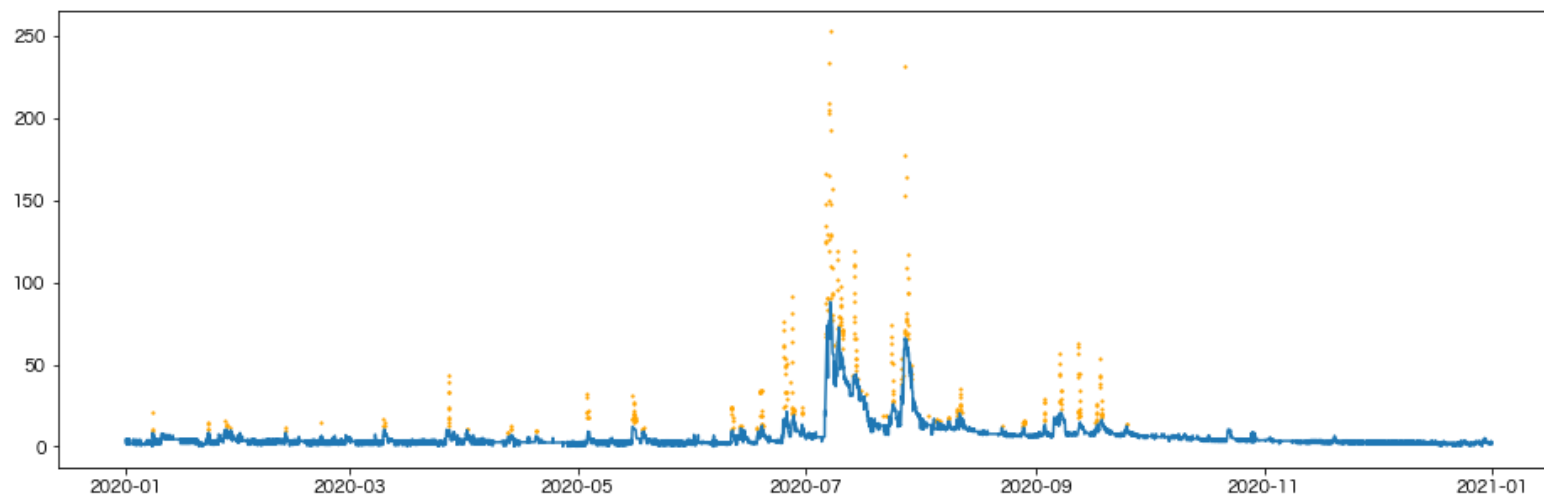
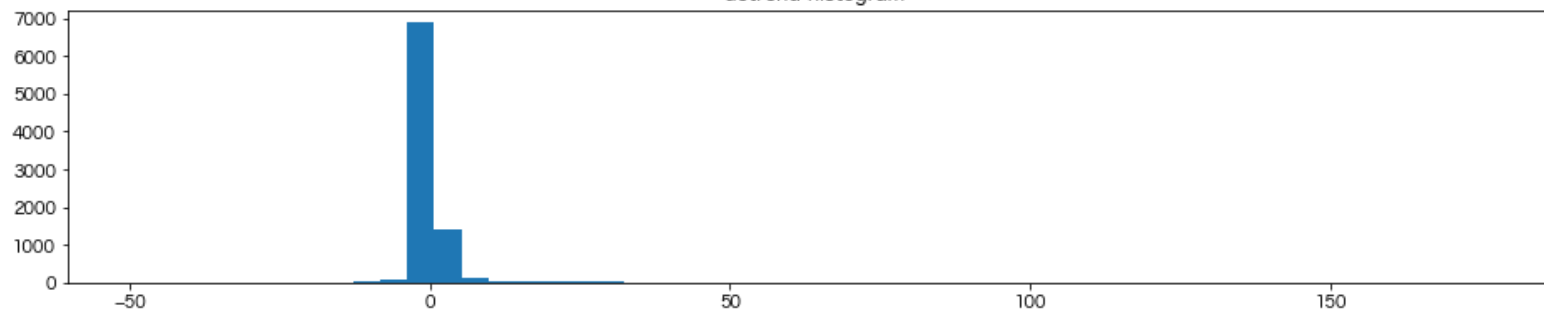
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

```
target_df['trend'] = full_trend
```



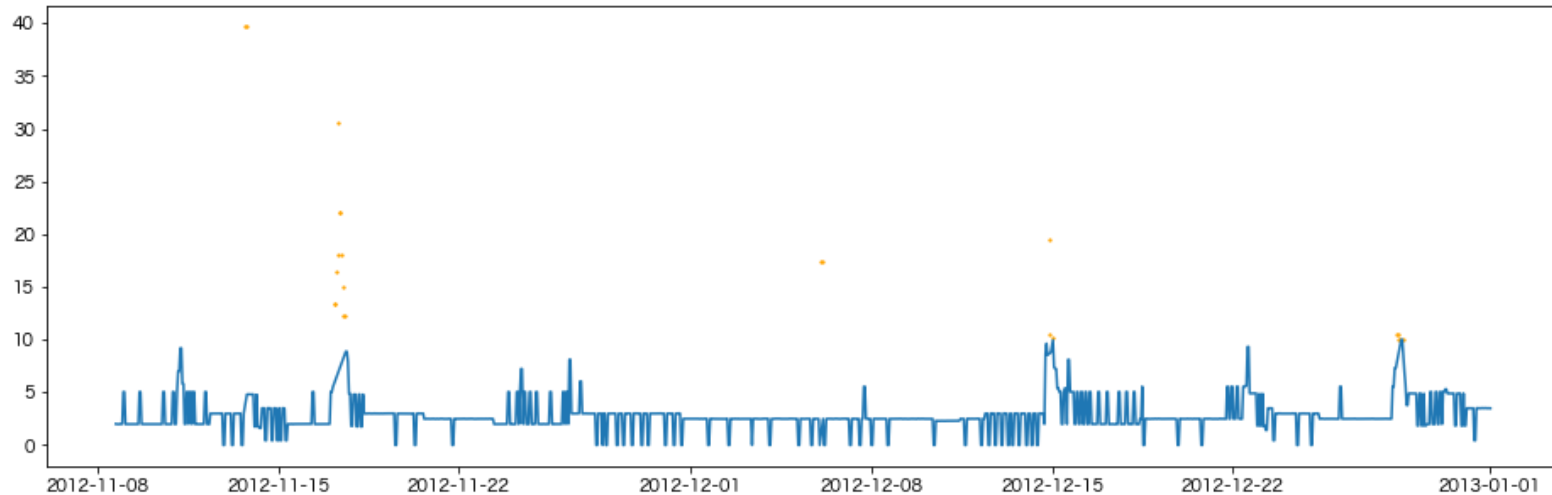


detrend histogram



```
<ipython-input-204-6bb0fafd1c68>:20: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

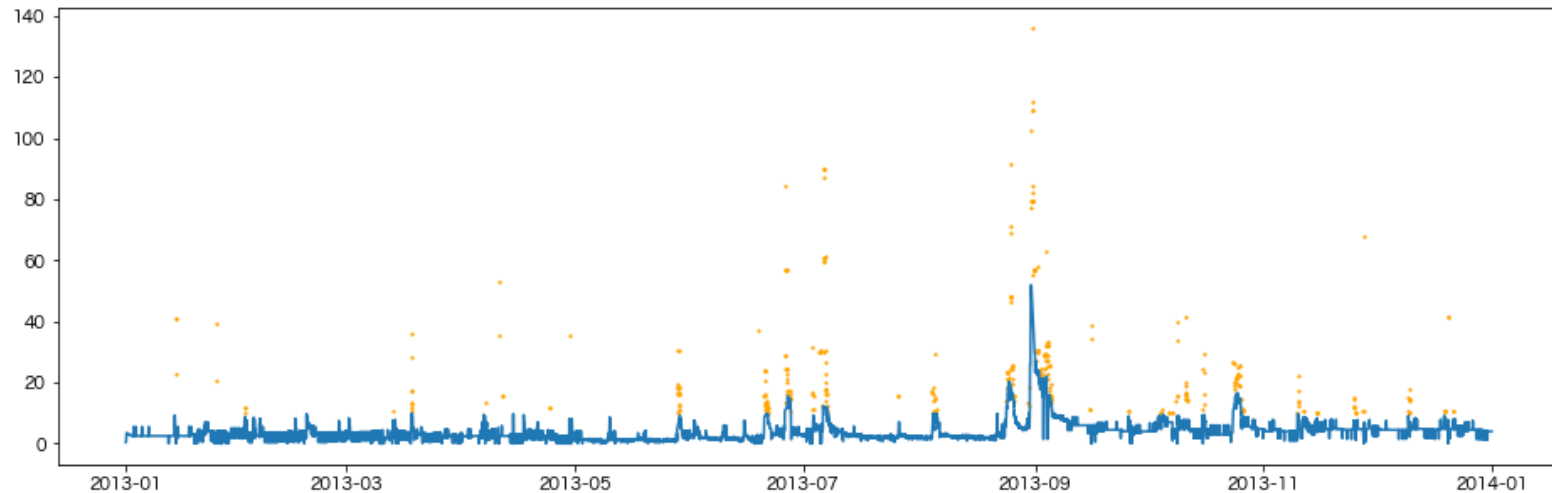
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
target_df['trend'] = full_trend



```
<ipython-input-204-6bb0fafd1c68>:20: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

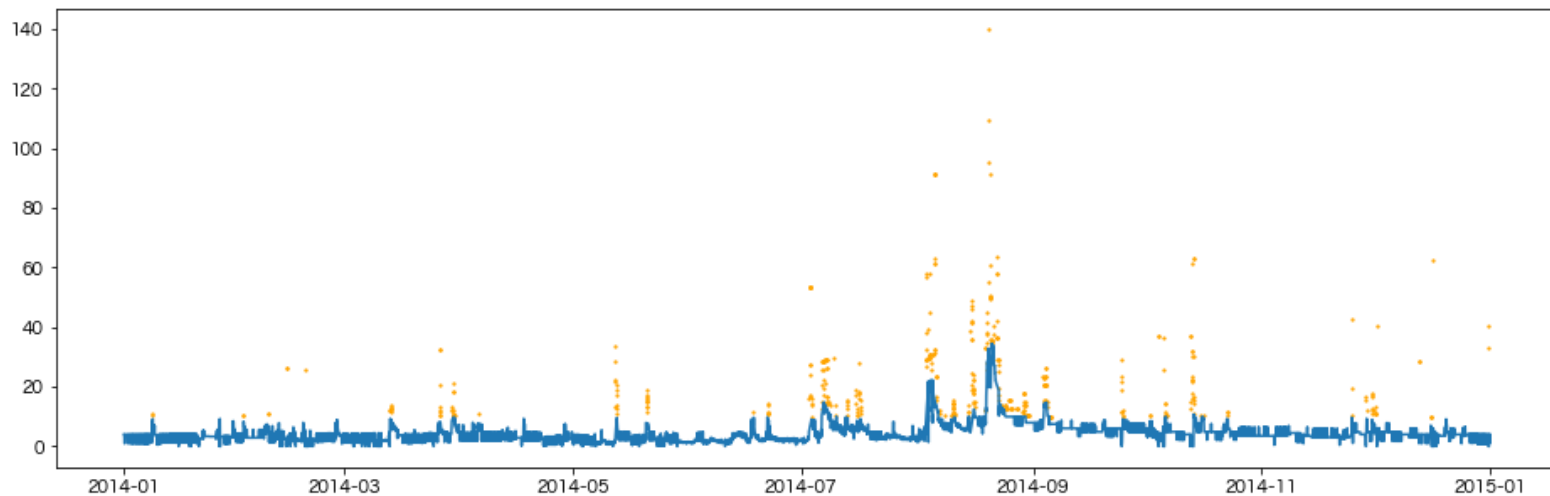
```
target_df['trend'] = full_trend
```



```
<ipython-input-204-6bb0fafd1c68>:20: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

```
target_df['trend'] = full_trend
```



```
<ipython-input-204-6bb0fafd1c68>:20: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame.  
Try using .loc[row_indexer,col_indexer] = value instead
```

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy

```
target_df['trend'] = full_trend
```