
DATFINTS

Release v0.1

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Data Analysis Toolbox for Financial Time-Series (DATFINTS).

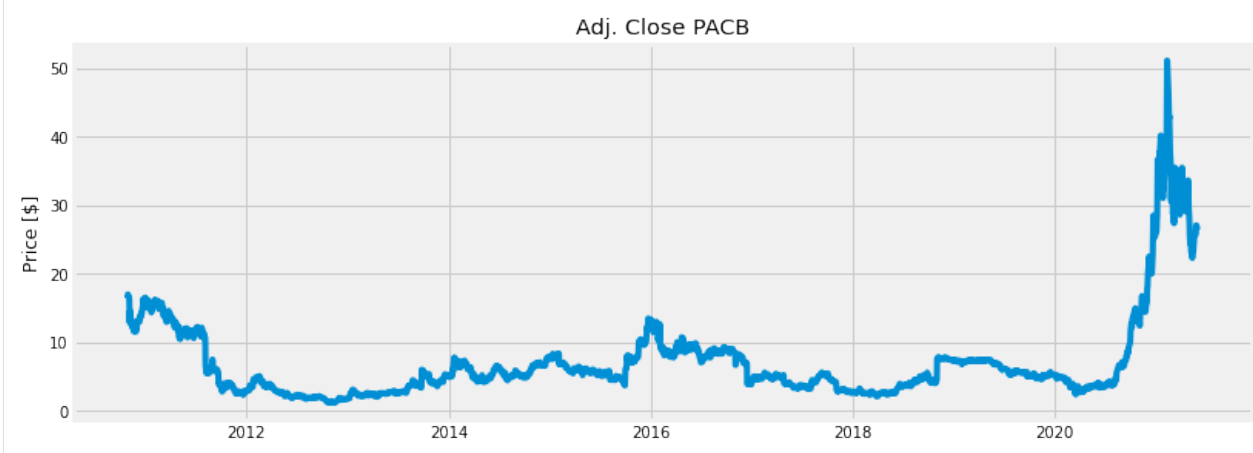


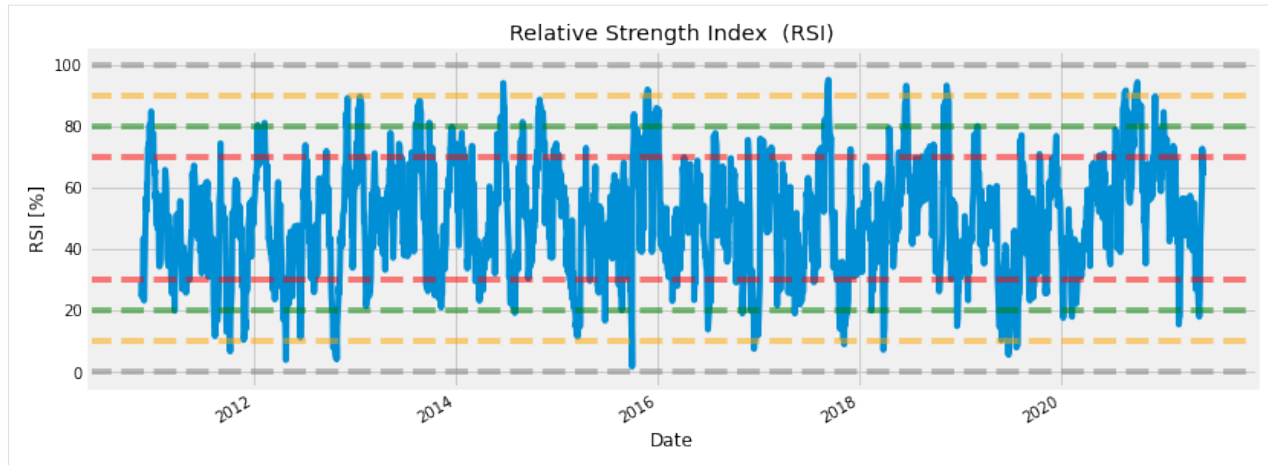
EXAMPLES

Examples of the current DATFINTS functions

```
[1]: import numpy as np
import pandas as pd
#from pandas_datareader import data as wb
import datfints_utils as df_utils
#from pandas.plotting import scatter_matrix
#from sklearn.linear_model import LinearRegression
#from sklearn.model_selection import train_test_split
import matplotlib.pyplot as plt
plt.style.use('fivethirtyeight')
%matplotlib inline
```

```
[5]: #df_utils.calc_rsi('ETH-USD', '2021-1-1')
df_utils.calc_rsi('PACB', '2010-1-1')
#df_utils.calc_rsi('BTC-USD', '2021-1-1')
```



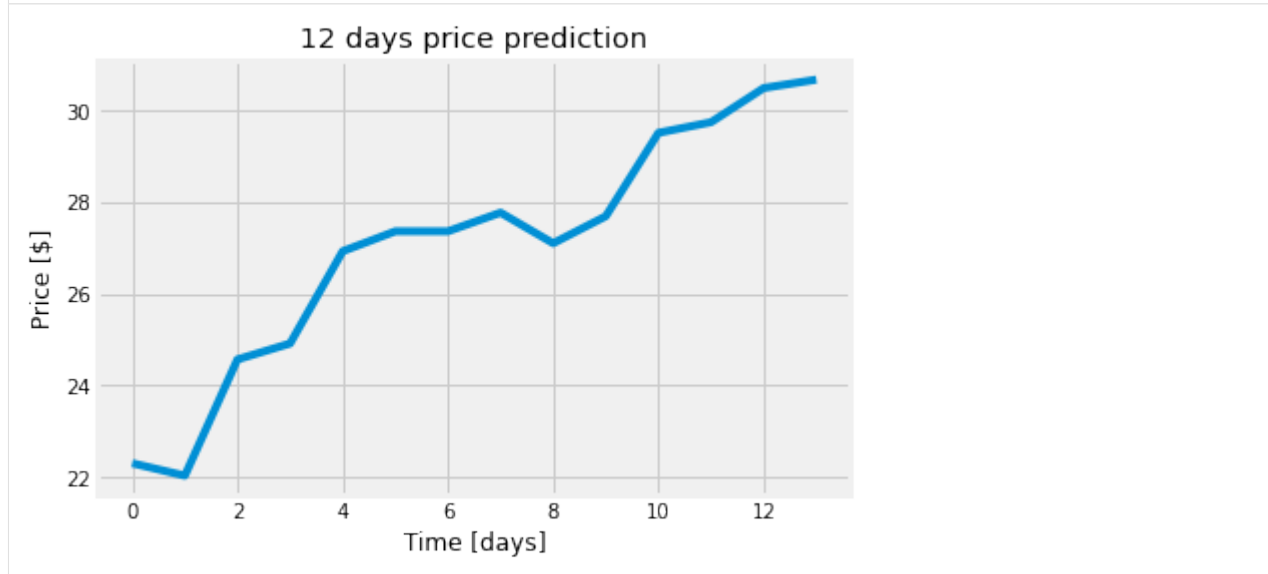


```
[3]: price=df_utils.stock_price_prediction('PLUG','2018-1-1')
print('min, mean, max:',
      round(min(price),1),round(np.mean(price),1),round(max(price),1))
```

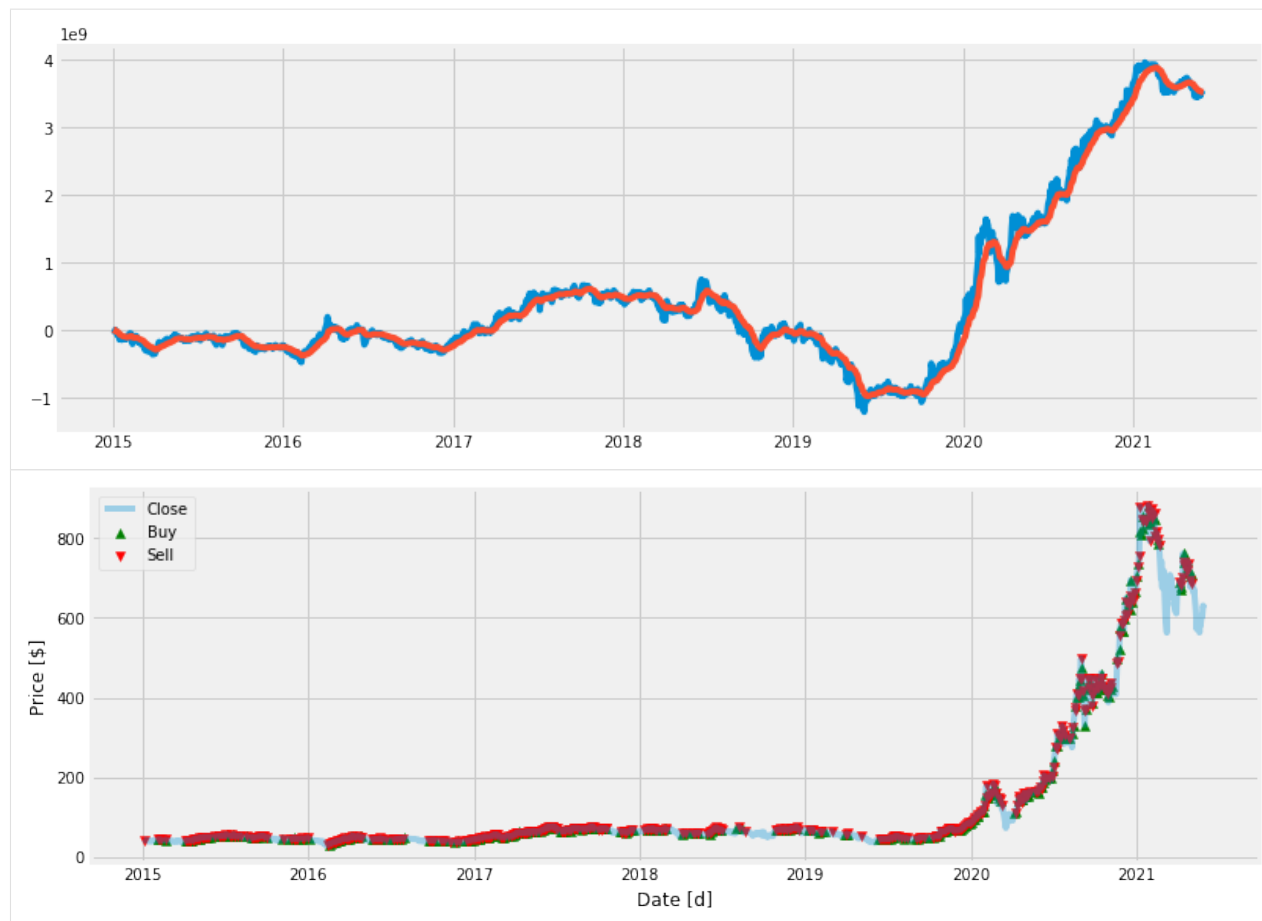
Linear Regression Confidence: 0.8567736738765077
min, mean, max: 22.0 27.0 30.7

```
[4]: plt.plot(price)
plt.title('12 days price prediction')
plt.xlabel('Time [days]')
plt.ylabel('Price [$]')
```

```
[4]: Text(0, 0.5, 'Price [$]')
```



```
[5]: df_utils.on_balance_volume('tsla','2015-1-1')
```

```
[8]: df_utils.plot_candlesticks('TSLA', '2021-1-1')
```

Data type cannot be displayed: application/vnd.plotly.v1+json, text/html

```
[ ]:
```

CHAPTER
TWO

INCLUDE

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`