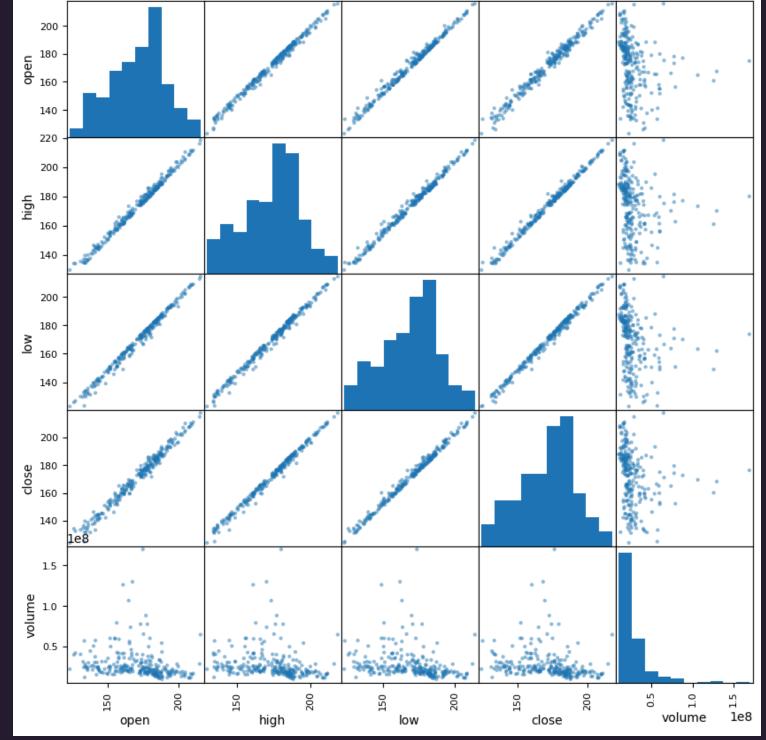
```
1 %matplotlib inline
2 import matplotlib.pyplot as plt
3 import numpy as np
4 import pandas as pd
5 fb = pd.read_csv(
6 '/content/fb_stock_prices_2018.csv', index_col='date', parse_dates=True
7 )
```

```
1 from pandas.plotting import scatter_matrix
2 scatter_matrix(fb, figsize=(10, 10))
```

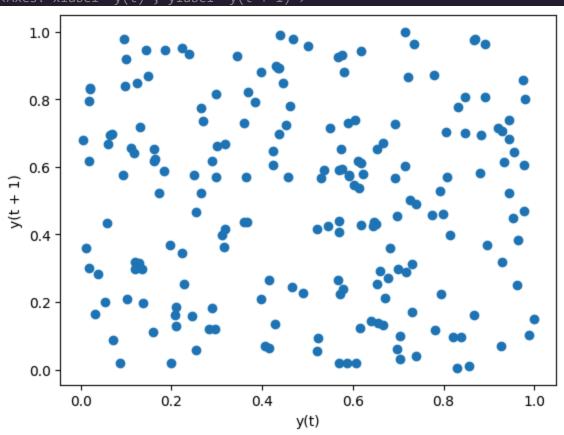


```
<Axes: xlabel='open', ylabel='open',
<Axes: xlabel='low', ylabel='open'>,
<Axes: xlabel='close', ylabel='open'>,
<Axes: xlabel='volume', ylabel='open'>],
           <Axes: xlabel='high', ylabel='high'>,
          <Axes: xlabel='low', ylabel='high'>,
<Axes: xlabel='close', ylabel='high'>,
<Axes: xlabel='volume', ylabel='high'>],
         <Axes: xlabel='low', ylabel='close'>,
           <Axes: xlabel='close', ylabel='close'>,
         [<Axes: xlabel='open', ylabel='volume'>,
                                              ylabel='volume'>]],
    200
   180
e 160
    140
    220
    200
   180
high
    160
    140
    200
    180
ΜO
   160
    140
    200
   180
   160
    140
    1.5
volume
    1.0
    0.5
                                                                                                                                              1e8
                                                                                                                                      1.0
                               200
                                                         200
                                                                                      200
                150
                                                                                                   150
                                                                                                                                 volume
                                                high
                                                                                                       close
                    open
                                                                            low
```

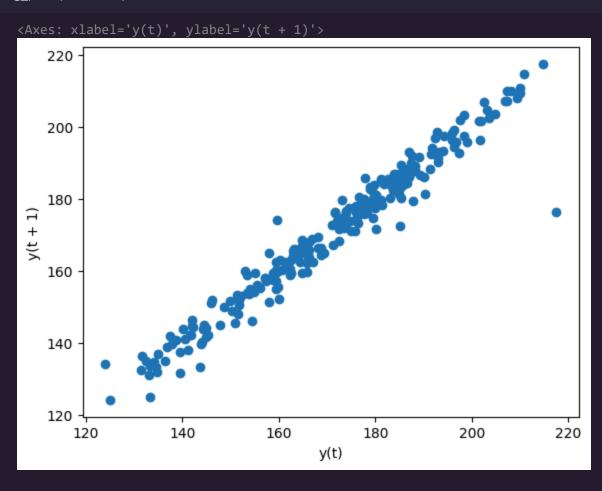
1 from pandas.plotting import lag_plot
2 np.random.seed(0) # make this repeatable

3 lag_plot(pd.Series(np.random.random(size=200)))

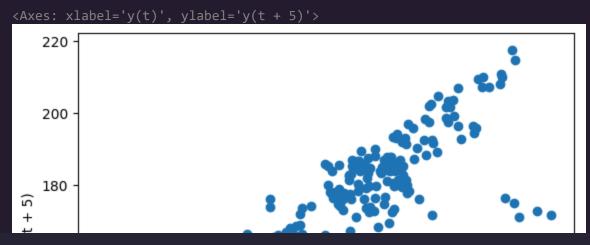
<Axes: xlabel='y(t)', ylabel='y(t + 1)'>



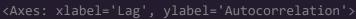
1 lag_plot(fb.close)

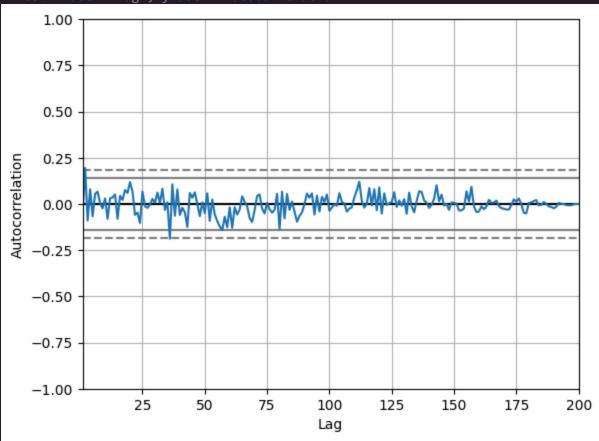


1 lag_plot(fb.close, lag=5)



- 1 from pandas.plotting import autocorrelation_plot
- 2 np.random.seed(0) # make this repeatable
- 3 autocorrelation_plot(pd.Series(np.random.random(size=200)))





1 autocorrelation_plot(fb.close)

