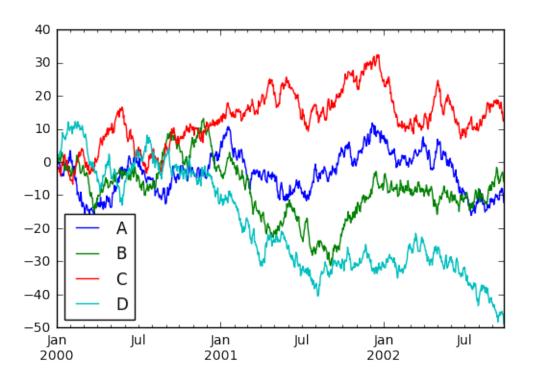
Pandas Playground- Michael Lanier

December 7, 2016

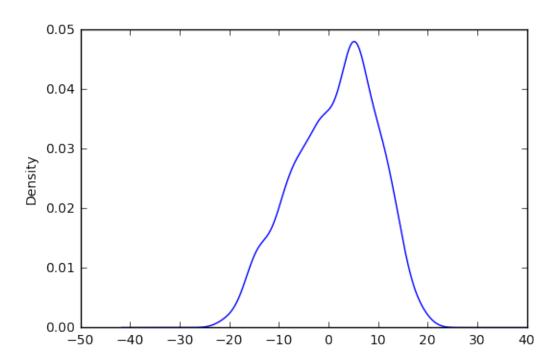
```
In [10]: import pandas as pd
         import numpy as np
         import matplotlib.pyplot as plt
In [2]: ts = pd.Series(np.random.randn(1000),
                        index=pd.date_range('1/1/2000', periods=1000))
In [3]: ts = ts.cumsum()
In [8]: ts.plot()
Out[8]: <matplotlib.axes._subplots.AxesSubplot at 0x7f3cf7b4a3c8>
In [11]: plt.show()
          20
          15
          10
           5
           0
          -5
         -10
         -15
         -20
         -25
          Jan
2000
                      Jul
                                                              Jul
                               Jan
                                          Jul
                                                    Jan
                               2001
                                                   2002
```

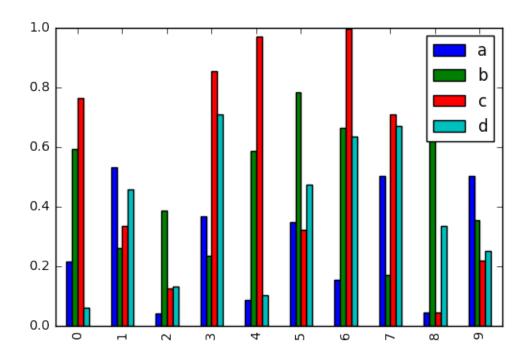


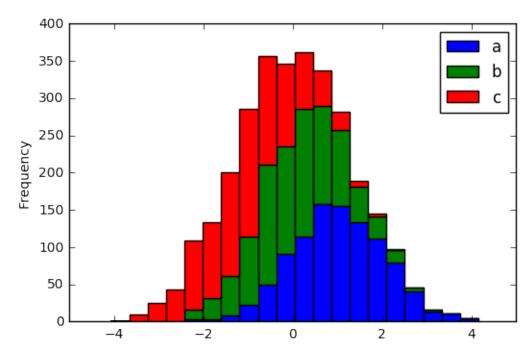
```
In [14]: ts.describe()
Out[14]: count
                   1000.000000
                      1.344488
         mean
                      8.369861
         std
         min
                    -21.226486
         25%
                     -4.847585
         50%
                      2.471992
         75%
                      7.331394
                     19.502199
         max
         dtype: float64
In [20]: ts.plot(kind='density')
```

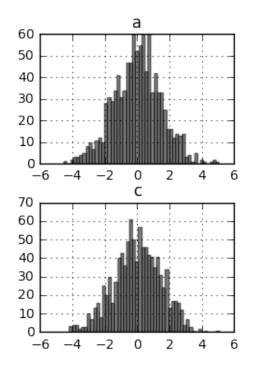
Out[20]: <matplotlib.axes._subplots.AxesSubplot at 0x7f3cc58d5710>

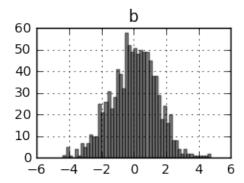
In [21]: plt.show()

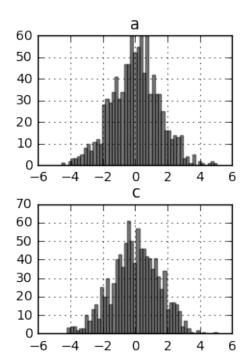


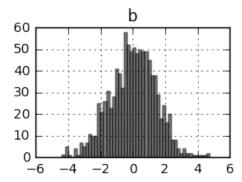


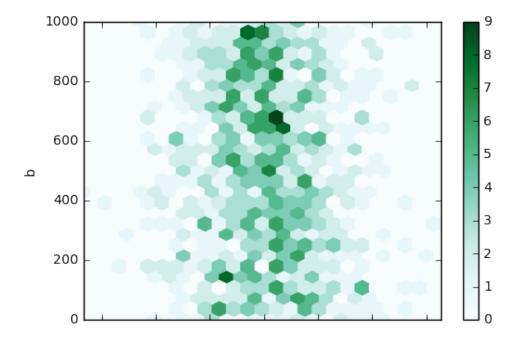












In []: