

```
In [248]: data[['Real_trad', 'Fric_trad']].plot(subplots=True)
```

```
Out[248]: array([<matplotlib.axes._subplots.AxesSubplot object at 0x000001E047C2D748>,
      <matplotlib.axes._subplots.AxesSubplot object at 0x000001E04778F0B8>],
      dtype=object)
```



```
In [249]: data[['Real_trad', 'Fric_trad']].plot()
```

```
Out[249]: <matplotlib.axes._subplots.AxesSubplot at 0x1e04786eba8>
```



```
In [250]: data['Fric_trad'] = data.DJIA.diff().cumsum() * data['Strategy'].sum()/10000
```

```
In [251]: data['Fric_trad'].plot(title='Frictionless Trading')
```

```
....:
```

```
....: print(data['Fric_trad'][-1].round())
```

```
216107.0
```



```
In [252]: print(data['Fric_trad'][-1].round())
216107.0
```

```
In [253]: data['Fric_trad'] = data.DJIA.diff() * data['Strategy'].sum()/10000
```

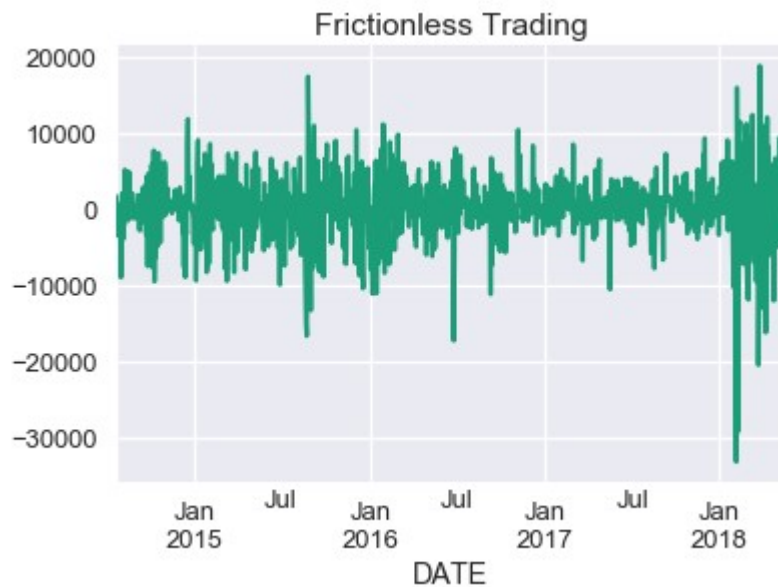
```
In [254]: data['Real_trad'] = data.DJIA.diff() * data['C2_Strat'].sum()/10000
```

```
In [255]: data['Real_trad'].plot(title='Real Trading')
...: print (data['Real_trad'][-1])
33.296004000017454
```



```
In [256]: data['Fric_trad'] = data.DJIA.diff() * data['Strategy'].sum()/10000
```

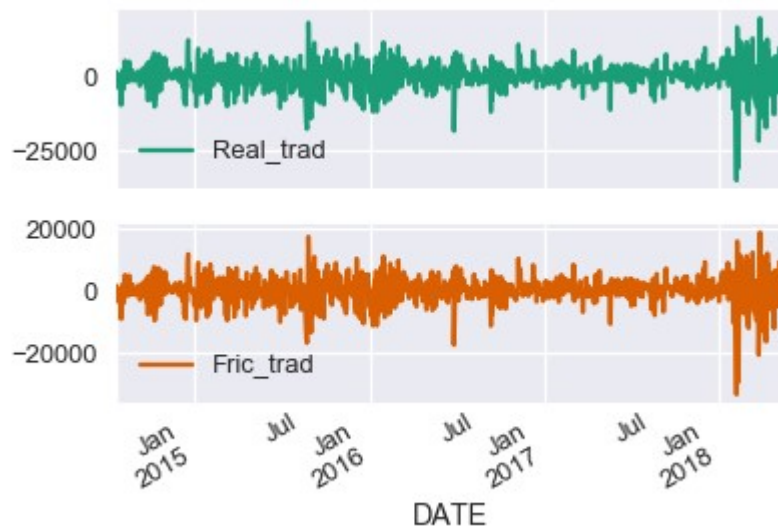
```
In [257]: data['Fric_trad'].plot(title='Frictionless Trading')
Out[257]: <matplotlib.axes._subplots.AxesSubplot at 0x1e048e364e0>
```



```
In [258]: data[['Real_trad', 'Fric_trad']].plot(subplots=True)
```

```
Out[258]:
```

```
array([<matplotlib.axes._subplots.AxesSubplot object at 0x000001E048E1DF60>,
      <matplotlib.axes._subplots.AxesSubplot object at 0x000001E0475379B0>],
      dtype=object)
```



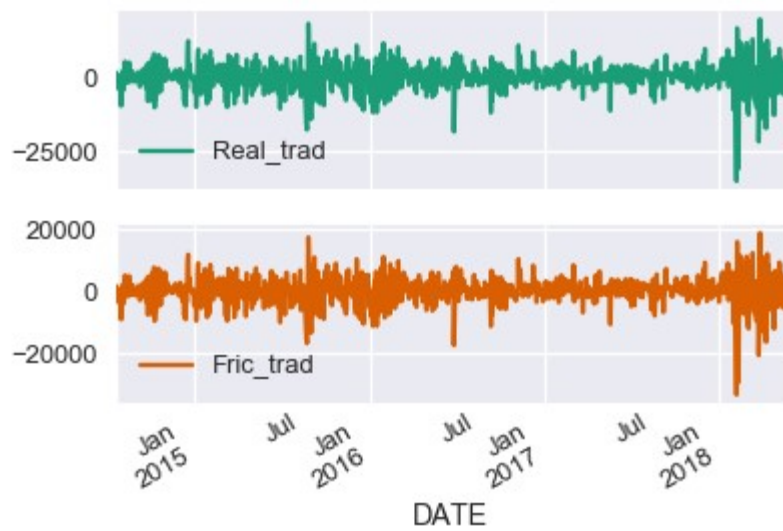
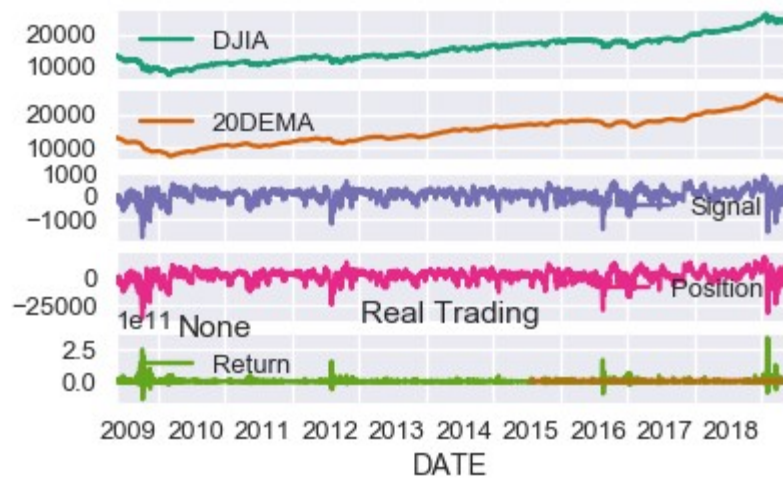
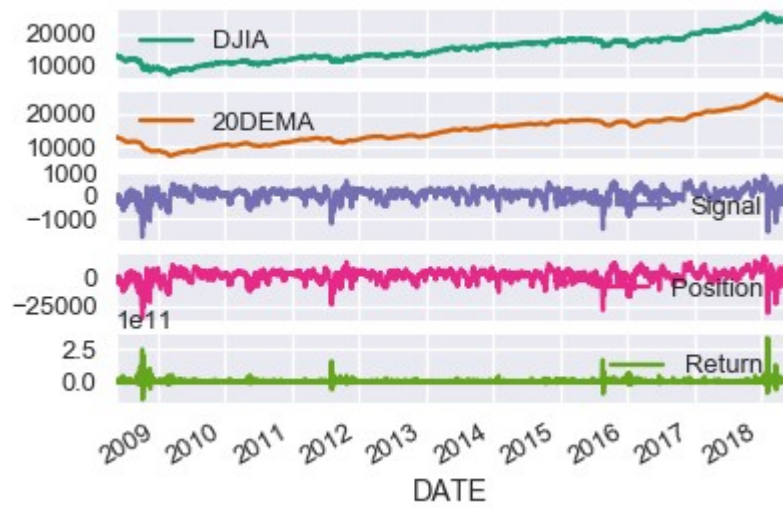
```
In [259]: runfile('C:/Users/Tawanda Vera/Assignment5/Mini Project 5.py', wdir='C:/Users/Tawanda Vera/Assignment5')
```

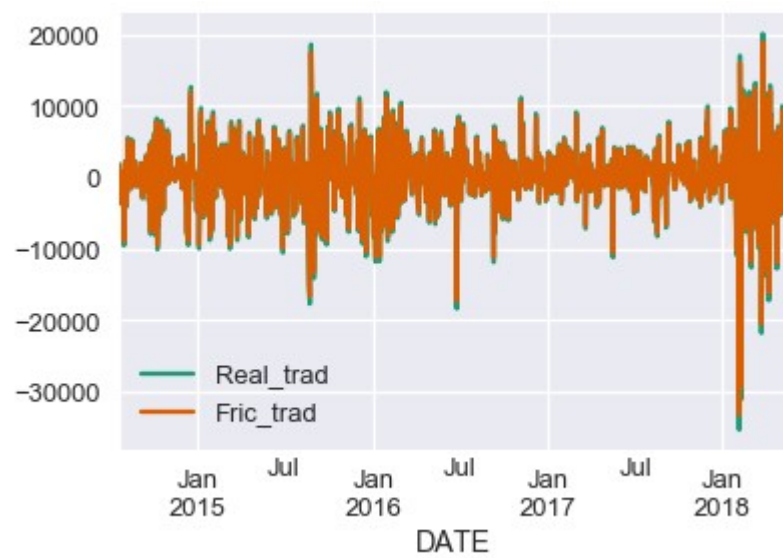
```
Reloaded modules: Assignment5_Q2
```

```
41031302.03265964
```

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31.0
```

```
33.40900200001751
```





In [260]: