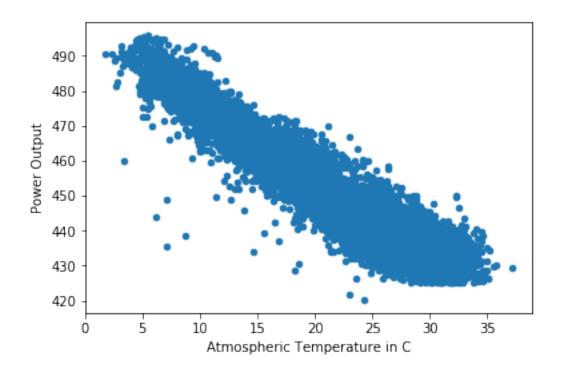
visuals_quiz

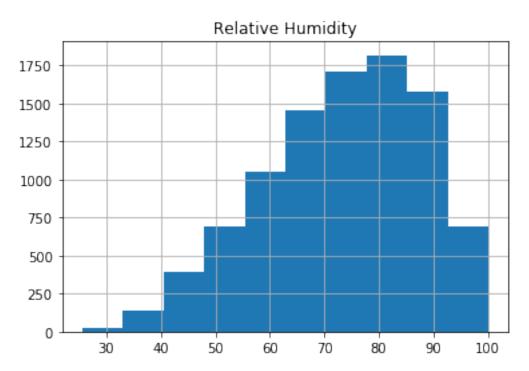
October 16, 2017

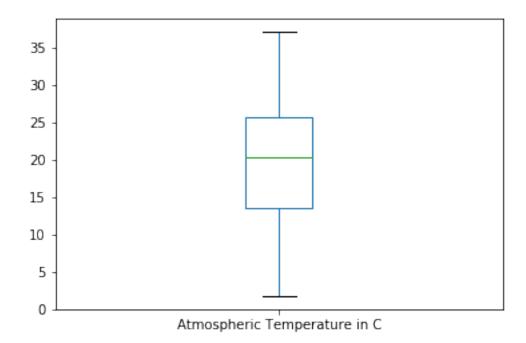
1 Exploring Data with Visuals Quiz

Use the space below to explore powerplant_data_edited.csv to answer the quiz questions below.

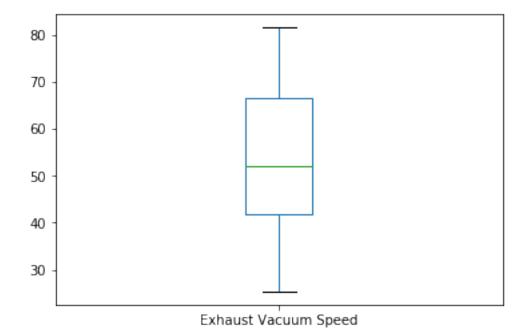
```
In [4]: # imports and load data
        import pandas as pd
        % matplotlib inline
        df = pd.read_csv('powerplant_data_edited.csv')
        df.head()
Out[4]:
           Unnamed: 0
                      Atmospheric Temperature in C Exhaust Vacuum Speed \
                                                8.34
                                                                     40.77
                                               23.64
        1
                                                                     58.49
                                               29.74
                                                                     56.90
        3
                    3
                                               19.07
                                                                     49.69
                    4
                                               11.80
                                                                     40.66
           Atmospheric Pressure Relative Humidity Power Output
        0
                                                           480.48
                        1010.84
                                              90.01
                                              74.20
        1
                        1011.40
                                                           445.75
                        1007.15
        2
                                              41.91
                                                           438.76
                        1007.22
        3
                                              76.79
                                                           453.09
                        1017.13
                                              97.20
                                                           464.43
In [7]: # plot relationship between temperature and electrical output
        df.plot(x='Atmospheric Temperature in C', y='Power Output', kind='scatter');
```



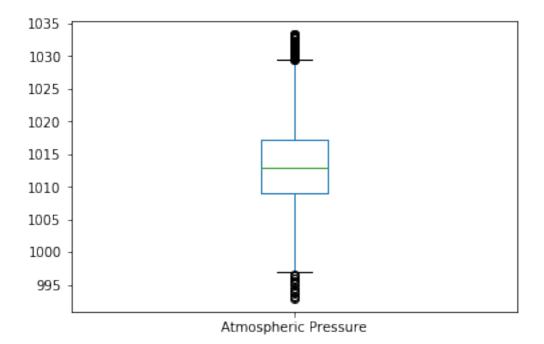




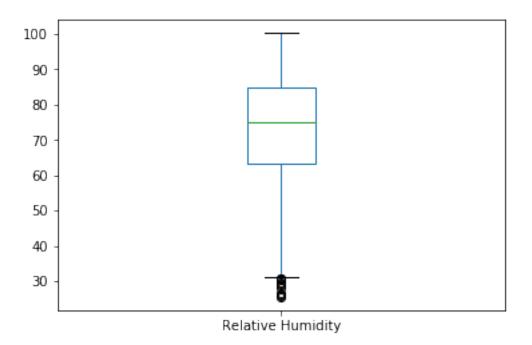
In [33]: df['Exhaust Vacuum Speed'].plot(kind='box');



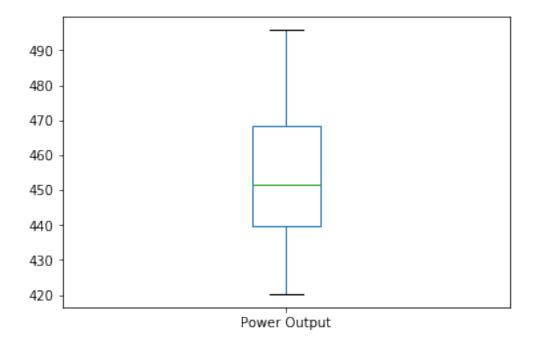
In [34]: df['Atmospheric Pressure'].plot(kind='box');



In [35]: df['Relative Humidity'].plot(kind='box');



In [36]: df['Power Output'].plot(kind='box');



In []: