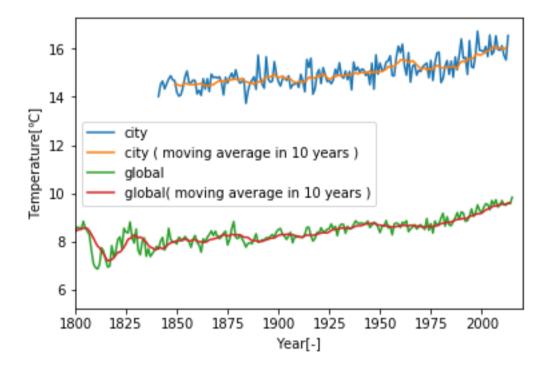
```
In [1]: import sys
        import pandas as pd
        import matplotlib.pyplot as plt
         import numpy as np
In [2]: sys.version
Out[2]: '3.5.3 | Continuum Analytics, Inc.| (default, Mar 6 2017, 12:15:08) \n[GCC 4.2.1 Compatible Apple LLVM 6.0 (clang-600.0.57)]'
In [3]: df_city = pd.read_csv('data/data_city.csv')
         # df_city
In [4]: | df_global = pd.read_csv('data/data_global.csv')
         # df_global
In [5]: N = 10
        plt.plot(df_city.year, df_city.avg_temp,label='city')
        plt.plot(df_city.year[N-2:-1], np.convolve(df_city.avg_temp, np.ones((N,))/N, mode='valid'), label='city (moving average in ' + str(N) + 'years )')
        plt.plot(df_global.year, df_global.avg_temp,label='global')
        plt.plot(df_global.year[N-2:-1], np.convolve(df_global.avg_temp, np.ones((N,))/N, mode='valid'),label='global( moving average in ' + str(N) + ' ye
         ars )')
        plt.xlabel('Year[-]')
        plt.ylabel('Temperature[°C]')
        plt.xlim([1800, 2020])
         plt.legend()
```

Out[5]: <matplotlib.legend.Legend at 0x1139c8128>



1. Is your city hotter or cooler on average compared to the global average? Has the difference been consistent over time?

A. Temperatures in my city is hotter than that of global average and the difference has been consistent over time.

2. How do the changes in your city's temperatures over time compare to the changes in the global average?

A. The changes in my city's temperatures and global one are same.

3. What does the overall trend look like? Is the world getting hotter or cooler? Has the trend been consistent over the last few hundred years?

A. The world is getting hotter and the trend has been consistent over last few hundred years.

4. Is there any diffrences in temperature's variation between your city and global average?

A. The temperatures in my area has more variance than global average.