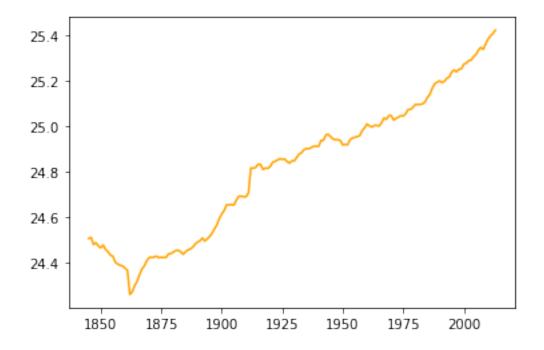
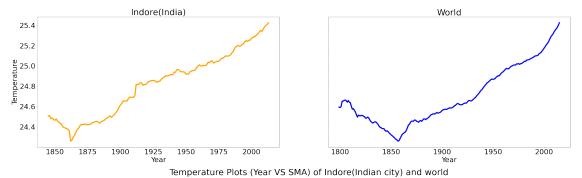
Untitled5

March 29, 2020

```
[0]: import pandas as pd
    import numpy as np
    import matplotlib.pyplot as plt
[2]: tempGlobal = pd.read_csv('/content/global.csv')
    tempGlobal
[2]:
         year
               avg_temp
                   8.72
         1750
                   7.98
    1
         1751
    2
         1752
                   5.78
    3
         1753
                   8.39
         1754
                   8.47
         . . .
    261 2011
                   9.52
    262 2012
                   9.51
    263 2013
                   9.61
    264 2014
                   9.57
    265 2015
                   9.83
    [266 rows x 2 columns]
[0]: tempIndore = pd.read_csv('/content/indore.csv')
    tempIndore = tempIndore.fillna(tempIndore['avg_temp'].mean())
[0]: tempIndore['SMA'] = tempIndore.iloc[:,3].rolling(window=50).mean()
[0]: tempGlobal['SMA'] = tempGlobal.iloc[:,1].rolling(window=50).mean()
[6]: plt.plot(tempIndore.year, tempIndore.SMA, color='orange')
[6]: [<matplotlib.lines.Line2D at 0x7fab7750e940>]
```



[7]: [<matplotlib.lines.Line2D at 0x7fab7701d6d8>]



```
[0]: fig.savefig('figure.png')
[9]: |cp drive/My\ Drive/Colab\ Notebooks/Untitled5.ipynb ./
    !jupyter nbconvert --to PDF "Untitled5.ipynb"
   [NbConvertApp] Converting notebook Untitled5.ipynb to PDF
   [NbConvertApp] Support files will be in Untitled5_files/
   [NbConvertApp] Making directory ./Untitled5_files
   [NbConvertApp] Making directory ./Untitled5_files
   [NbConvertApp] Writing 50110 bytes to ./notebook.tex
   [NbConvertApp] Building PDF
   [NbConvertApp] Running xelatex 3 times: [u'xelatex', u'./notebook.tex',
   '-quiet']
   [NbConvertApp] Running bibtex 1 time: [u'bibtex', u'./notebook']
   [NbConvertApp] WARNING | bibtex had problems, most likely because there were no
   citations
   [NbConvertApp] PDF successfully created
   [NbConvertApp] Writing 117982 bytes to Untitled5.pdf
[0]:
```