

## changed\_temperature\_on\_my\_birthday

July 30, 2021

```
[68]: import csv
import matplotlib.pyplot as plt
```

```
[69]: data = csv.reader(open('data/seoul.csv', 'rt', encoding='UTF-8'))
```

```
[70]: next(data)
```

```
[70]: [' ', ' ', ' ', ' (C)', ' ', ' (C)', ' ', ' (C)']
```

```
[71]: ls = list(data)
```

```
[81]: # print([i for i in ls])
```

```
[73]: '''
next()
function header
consumer data header

row[ , , (C), (C), (C)] -1
data : [] = list() list data list()
,
data : [] = None
def save_highest_temperature(self):
    data = list()
,
data : [] =list()
'''
```

```
[73]: '\nnext()          \nfunction      header      \nconsumer
data header      \n\nrow[ , , (C), (C), (C)]      -1  \n
data : [] = list() list data list()          \n,
          \n
data : [] = None\ndef save_highest_temperature(self):\n
data = list()\n ,
          \n
data : [] =list()\n'
```

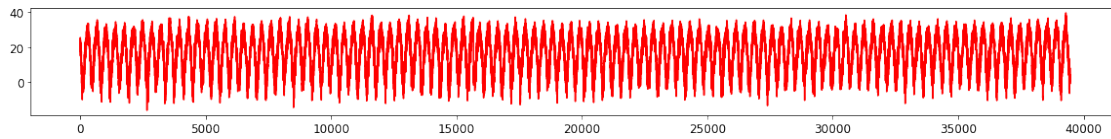
```
[82]: # print([i[-1] for i in ls]) # show_highest_temperature
```

```
[75]: highest_temperature = []
[highest_temperature.append(float(i[-1])) for i in ls if i[-1] != '']
print(f' {len(highest_temperature)} ')
```

39463

```
[76]: plt.figure(figsize=(20, 2))
plt.plot(highest_temperature, 'r')
```

```
[76]: [<matplotlib.lines.Line2D at 0x7fd17b5ca6d0>]
```



```
[77]: high = [] #
low = [] #
```

```
[78]: for i in ls:
        if i[-1] != '' and i[-2] != '':
            if 1983 <= int(i[0].split('-')[0]):
                if i[0].split('-')[1] == '02' and i[0].split('-')[2] == '14':
                    high.append(float(i[-1]))
                    low.append(float(i[-2]))
```

```
[80]: plt.rc('font')
plt.rcParams['axes.unicode_minus'] = False
plt.title(' ')
plt.plot(high, 'hotpink', label='high')
plt.plot(low, 'skyblue', label='low')
plt.legend()
```

```
[80]: <matplotlib.legend.Legend at 0x7fd1791aa4c0>
```

