

## changed\_temperatures\_on\_my\_birthday

July 30, 2021

```
[33]: import random
import matplotlib.pyplot as plt
```

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[34]: import csv
```

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

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

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

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

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

```
[22]: '''
next()
function header
consumer data header
row[ , , (C), (C), (C)] -1
data: [] = list() list data list()
,
data : [] = None
def save_highest_temperatures(self):
    data = list()
.
data : [] = list()
'''
```

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

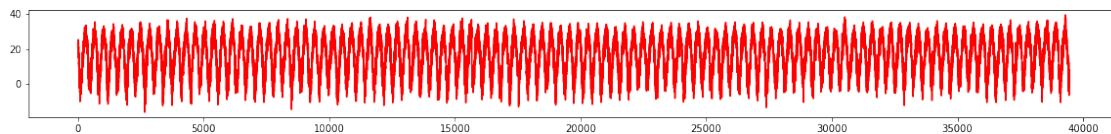
```
[51]: # print([i[-1] for i in ls]) # show_highest_temperature
```

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

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

[44]: [<matplotlib.lines.Line2D at 0x7f6e338f53d0>]



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

```
[46]: for i in ls:
    if i[-1] != '' and i[-2] != '':
        if 1995 <= int(i[0].split('-')[0]):
            if i[0].split('-')[1] == '05' and i[0].split('-')[2] == '18':
                high.append(float(i[-1]))
                low.append(float(i[-2]))
```

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

[49]: <matplotlib.legend.Legend at 0x7f6e3382ebe0>

