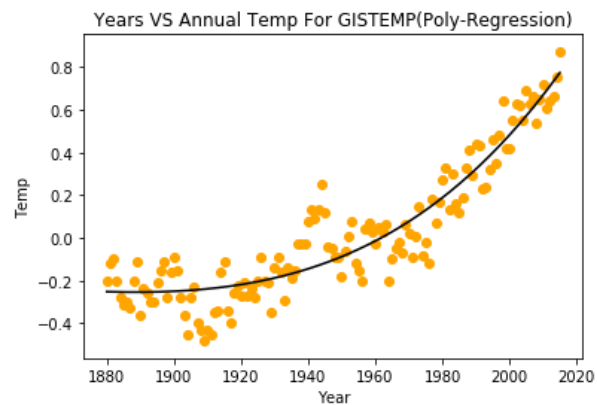
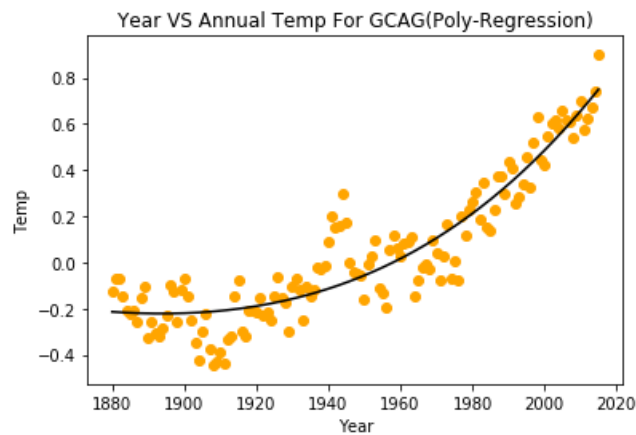


## Assignment no. 3

### Task no. 1:

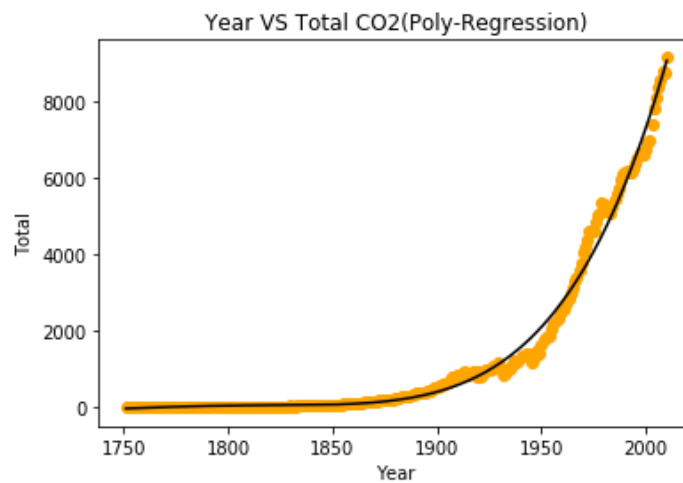
```
In [2]: runfile('C:/Users/pc/Desktop/NCAI course/
assignment 3/assignment 3/Task1.py', wdir='C:/Users/
pc/Desktop/NCAI course/assignment 3/assignment 3')
Florida = [99937.59]
California = [65200.33]
As Shown from the plots Florida will provide more
profits as compared to California
```

### Task no. 2:



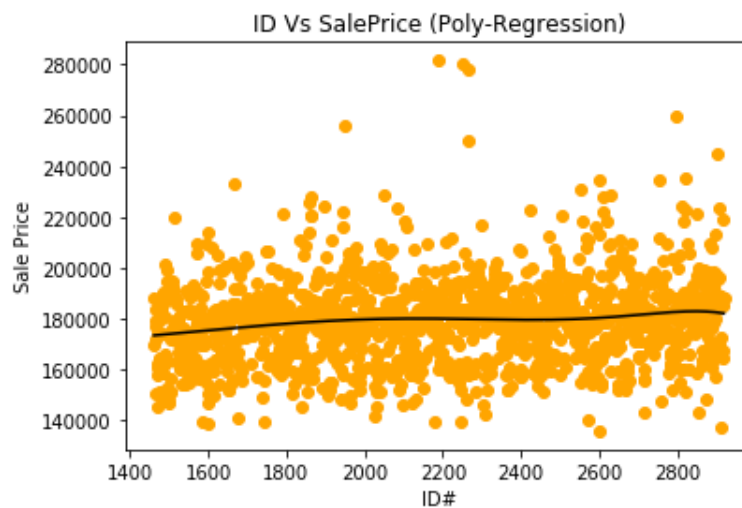
```
In [2]: runfile('C:/Users/pc/Desktop/NCAI course/
assignment 3/assignment 3/Task2.py', wdir='C:/Users/
pc/Desktop/NCAI course/assignment 3/assignment 3')
Prediction of GCAG in 2016: [[0.76854263]]
Prediction of GCAG in 2017: [[0.78836179]]
Prediction of GISTEMP in 2016: [[0.79495326]]
Prediction of GISTEMP in 2017: [[0.81715787]]
```

### Task no. 3:



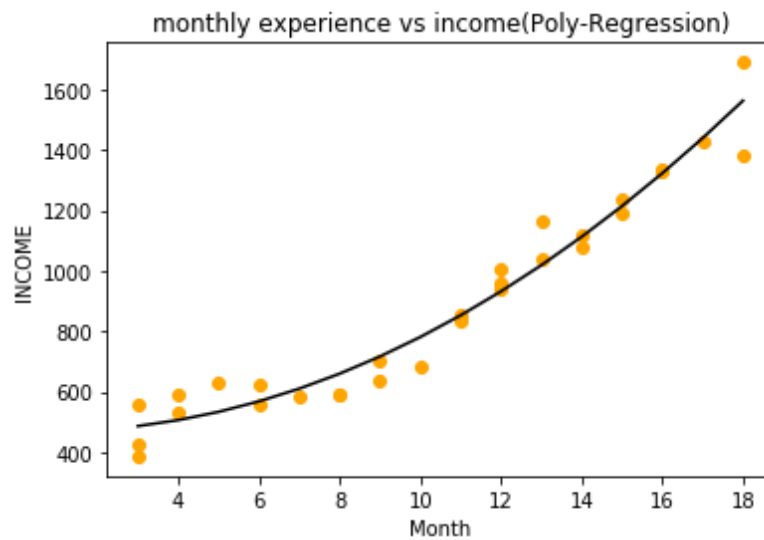
```
In [3]: runfile('C:/Users/pc/Desktop/NCAI course/assignment 3/assignment 3/Task3.py', wdir='C:/Users/pc/Desktop/NCAI course/assignment 3/assignment 3')
Prediction of CO2 in 2011: [[9273.0095214]]
Prediction of CO2 in 2012: [[9469.73222652]]
Prediction of CO2 in 2013: [[9669.7752736]]
```

### Task no. 4:



```
In [7]: runfile('C:/Users/pc/Desktop/NCAI course/assignment 3/assignment 3/Task4.py', wdir='C:/Users/pc/Desktop/NCAI course/assignment 3/assignment 3')
future analysis
Prediction of Sales at ID# 3000 [[177753.92899371]]
Prediction of Sales at ID# 1000 [[169088.15327034]]
Prediction of Sales at ID# 2000 [[179670.11034628]]
```

## Task no. 5:



```
In [18]: runfile('C:/Users/pc/Desktop/NCAI course/
assignment 3/assignment 3/Task5.py', wdir='C:/Users/
pc/Desktop/NCAI course/assignment 3/assignment 3')
future analysis
Prediction of income from 20 months of Experience
[[1832.49031114]]
Prediction of income from 22 months of Experience
[[2131.8274825]]
Prediction of income from 25 months of Experience
[[2636.49113893]]
```