

Python 3.5.2 (v3.5.2:4def2a2901a5, Jun 25 2016, 22:18:55) [MSC v.1900 64 bit (AMD64)]
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IPython 5.3.0 -- An enhanced Interactive Python.

? -> Introduction and overview of IPython's features.

%quickref -> Quick reference.

help -> Python's own help system.

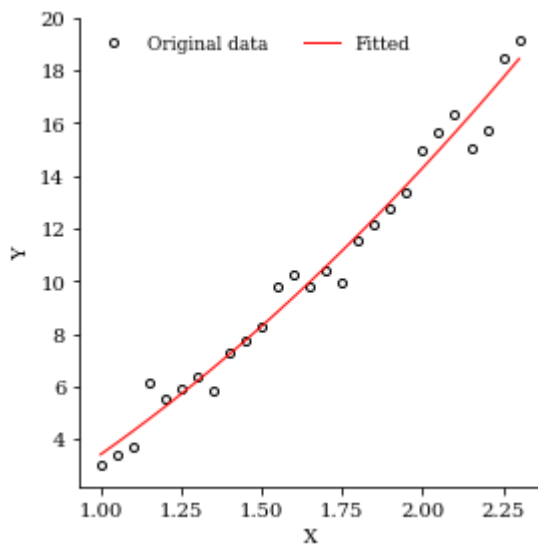
object? -> Details about 'object', use 'object??' for extra details.

```
In [1]: runfile('C:/Users/USUARIIO/Desktop/fitting.py', wdir='C:/Users/USUARIIO/Desktop')
```

```
In [2]: runfile('C:/Users/USUARIIO/Desktop/fitting.py', wdir='C:/Users/USUARIIO/Desktop')
```

```
In [3]: runfile('C:/Users/USUARIIO/Desktop/fitting.py', wdir='C:/Users/USUARIIO/Desktop')
```

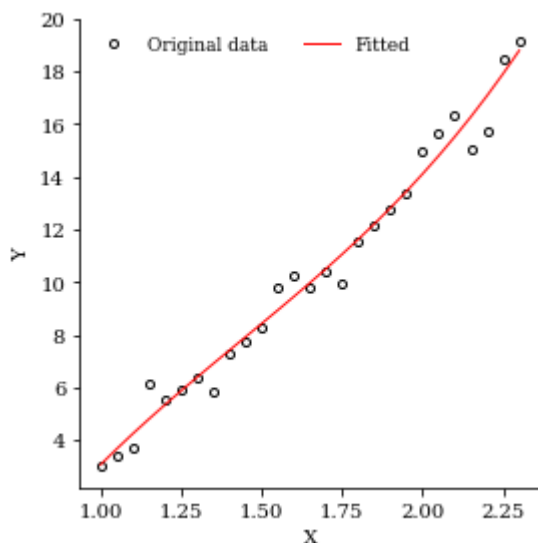
```
In [4]: fitting('quad.txt', '\t', 2, plot = True)
```



Out[4]:

```
{'Coefficients': [[-2.9370973853729083],  
 [4.066902446212225],  
 [2.27413582585973]],  
 'R2': 0.9771959895217504}
```

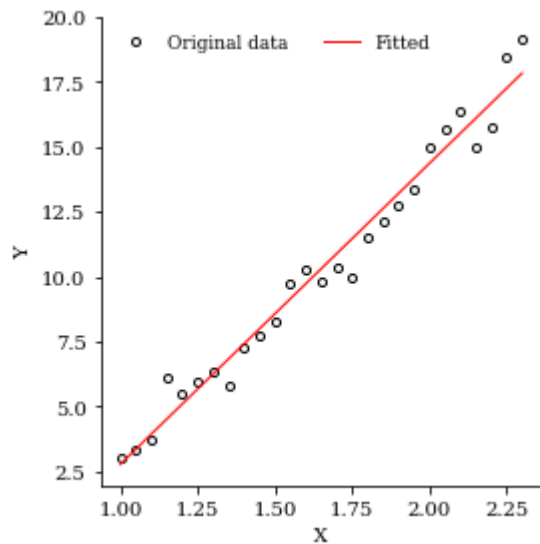
```
In [5]: fitting('quad.txt', '\t', 3, plot = True)
```



Out[5]:

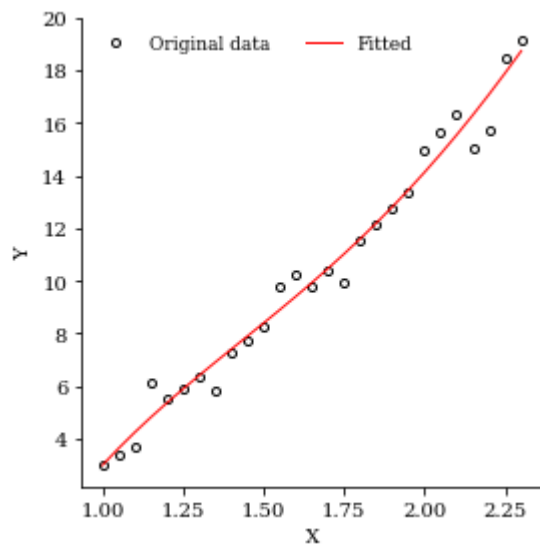
```
{'Coefficients': [[-17.39303608276532],
 [32.299341782112606],
 [-15.427013599401107],
 [3.5759897828902467]],
 'R2': 0.9784947907875018}
```

In [6]: fitting('quad.txt','t',1,plot = True)



```
Out[6]:
{'Coefficients': [[-8.783521571021566], [11.571550671550682]],
 'R2': 0.9726566153935389}
```

In [7]: fitting('quad.txt','t',4,plot = True)



```
Out[7]:
{'Coefficients': [[-28.59358855197206],
 [61.62909138761461],
 [-43.45507261529565],
 [15.176145001780242],
 [-1.7575992757920176]],
 'R2': 0.9785303024949216}
```

In [8]: