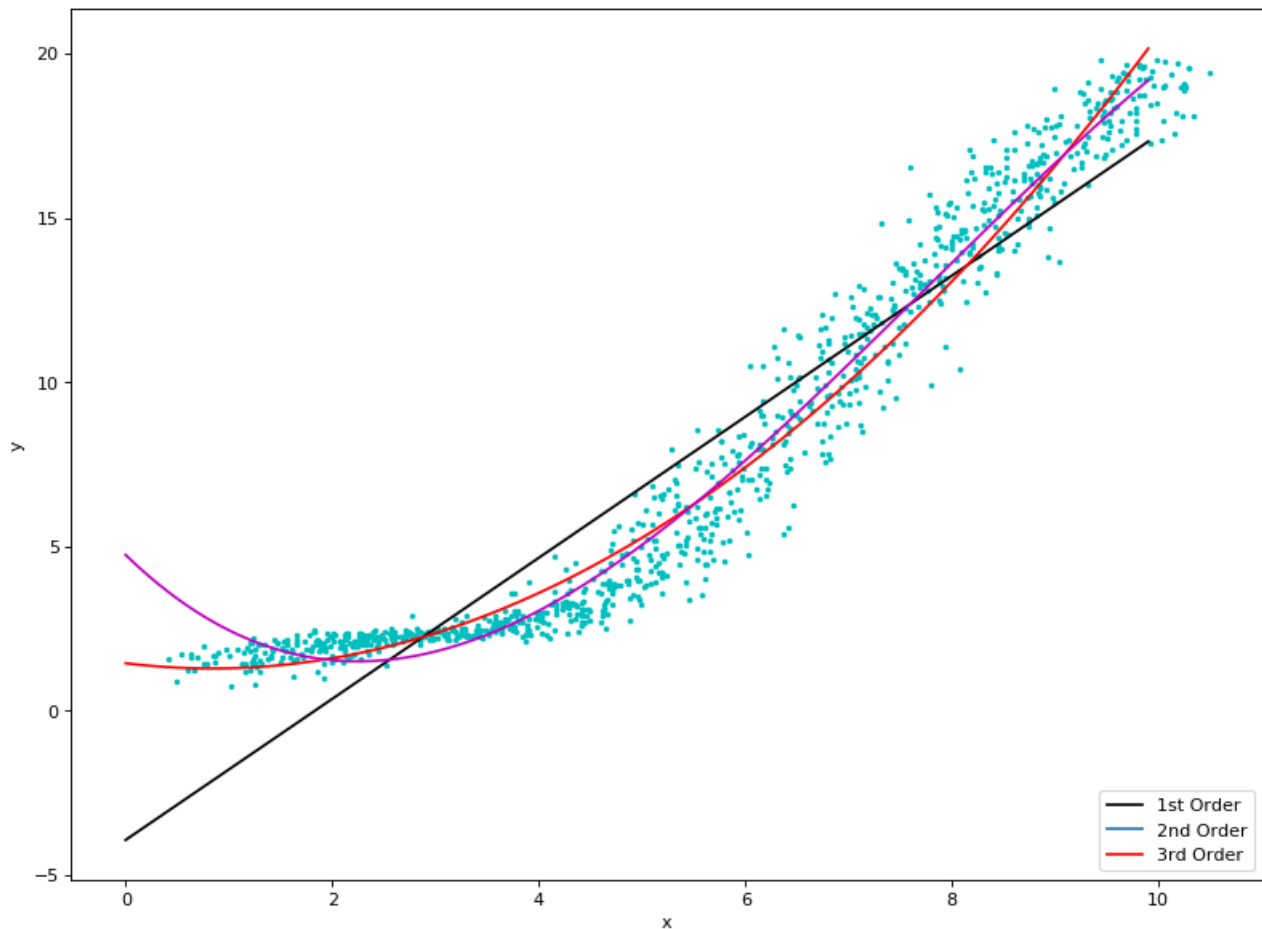


Python 3.7.3 (default, Mar 27 2019, 17:13:21) [MSC v.1915 64 bit (AMD64)]

Type "copyright", "credits" or "license" for more information.

IPython 7.4.0 -- An enhanced Interactive Python.

```
In [1]: 'F:/Drive/2-1/CSE 218/Offline 3 (Curve Fitting)/  
1705069.py' = 'F:/Drive/2-1/CSE 218/Offline 3 (Curve  
Fitting)'
```



Regression co-efficients & parameters:

For 1st order:

$[-3.94071846 \quad 2.14812692]$

$r = 0.950184$

For 2nd order:

$[1.44242674 \quad -0.3844353 \quad 0.22977816]$

$r = 0.981584$

For 3rd order:

$[4.74084244 \quad -3.05482028 \quad 0.79382547 \quad -0.03412516]$

$r = 0.985692$

```
In [2]:
```