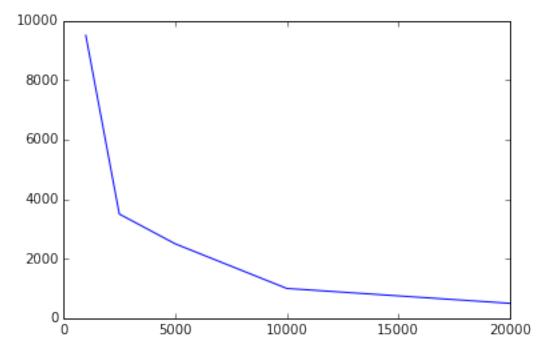
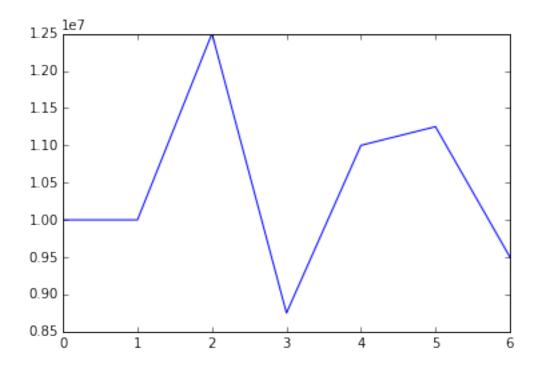
## BIA - Practical - Maximise Sales&Profit

## March 26, 2016

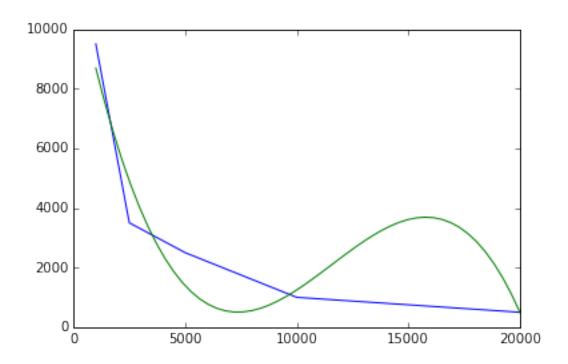


```
In [49]: print PROFIT
[500, 1000, 2500, 3500, 5500, 7500, 9500]
```

Out[6]: [<matplotlib.lines.Line2D at 0x111d77610>]



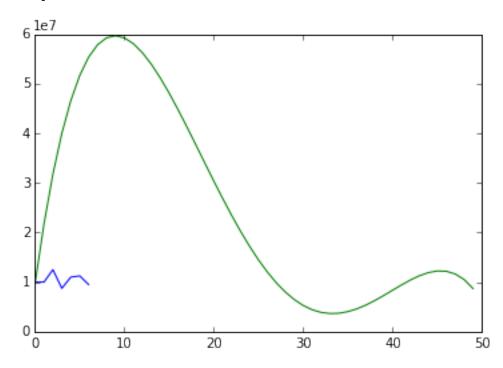
```
In [18]: import numpy as np
        z = np.polyfit(SALES, PROFIT, 3)
In [19]: p = np.poly1d(z)
In [20]: x_new = np.linspace(SALES[0], SALES[-1])
In [21]: y_new = p(x_new)
In [22]: plt.plot(SALES, PROFIT)
        plt.plot(x_new, y_new)
Out [22]: [<matplotlib.lines.Line2D at Ox111f72ad0>]
```

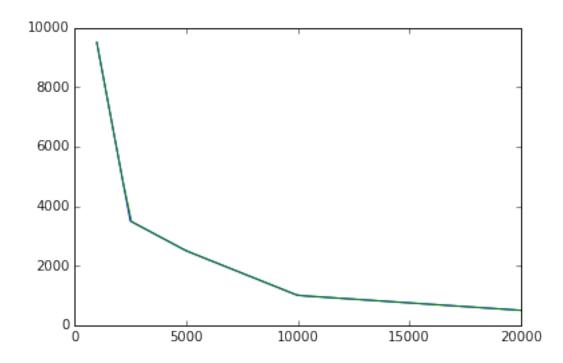


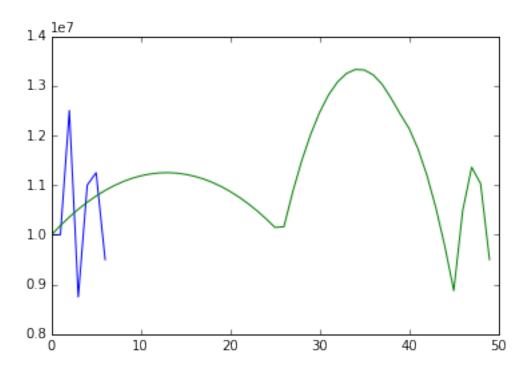
In [23]: print REV
 plt.plot( REV)
 REV\_regression = np.multiply(x\_new,y\_new)
 plt.plot( REV\_regression)

[10000000, 10000000, 12500000, 8750000, 11000000, 11250000, 9500000]

Out[23]: [<matplotlib.lines.Line2D at 0x112096210>]







In []:

In []: