

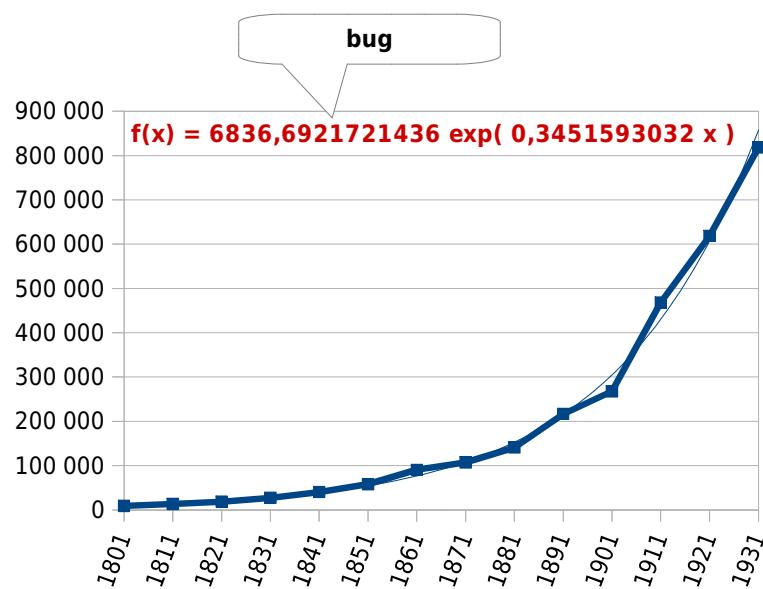
This form concerns the display of the **exponential regression**.

Olivier D

The curve is OK, but the **equation is wrong**

Exemple

X	Y
1801	9 000
1811	13 300
1821	18 767
1831	27 297
1841	40 356
1851	57 715
1861	90 323
1871	107 225
1881	140 747
1891	216 650
1901	267 730
1911	467 986
1921	618 506
1931	818 577



Solution

- In using

LOGREG(B5:B18;B5:B18;1;1)

the data below appears :

A =	B =	(The datas from the first line are used)
1,035118518	9,71888E-024	
0,0005165563	0,9641189549	
0,9973195252	0,0779127198	
4464,8187945	12	
27,103199889	0,0728447029	

- Applyate

LN(A)

for calculate the exponentiel coefficient

or **LN(LOGREG(B5:B18;A5:A18;1;1))**

here : **0,03451593**

- The final equation is : **9,71E-24 * exp (0,0345 * year)**

by genelarizing : **B * exp(ln(A) * X)**

The equation obtained is perfectly superimposed on the original trend curve

- NEW calculate
- ◆ Y
- Exponentiel (Y)

