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Project 1

TARGET → Realize 1 pdf page like the one given in chapter [1](#).

DATA → Use one (or more) of the following data:

Switzerland		Belgium		Luxemburg		Austria	
$x$	$y$	$x$	$y$	$x$	$y$	$x$	$y$
0	4.9	0	17.8	0	12.0	0	4.3
2	4.5	2	1.7	2	6.5	2	8.7
4	15.2	4	22.5	4	5.9	4	11.6
6	66.2	6	58.8	6	45.2	6	47.3
8	60.1	8	18.9	8	32.9	8	38.0
10	23.9	10	1.5	10	8.1	10	8.8
12	-5	12	-9.2	12	-3.8	12	-3.4
14	-5.5	14	-10.5	14	8.9	14	-0.2
16	3.3	16	6.6	16	7.3	16	11.4
18	3.5	18	4.9	18	1.3	18	8.7
20	2.8	20	0.9	20	5.7	20	11.8
22	2.6	22	-1.8	22	0.4	22	5.5
24	9	24	-0.8	24	-1.9	24	8.8

DATA FITTING → Use the following function, adapting parameters  $A$ ,  $B$  and  $C$  to your data:

$$f(x) = \frac{\sqrt{x-A}}{\sqrt{x-A}} \cdot C \cdot \left(\frac{x-A}{B}\right)^2 e^{-\left(\frac{x-A}{B}\right)^2}$$

- EXPECTATIONS →
- ▶ Your project is a [pdf](#) file.
  - ▶ It fits on [1](#) A4 page.
  - ▶ It contains your [name](#).
  - ▶ It contains a [title](#).
  - ▶ It contains the [date](#).
  - ▶ It contains at least [2](#) [graphics](#) made by yourself.
  - ▶ A [small text](#) (in French or English) links the graphics and explains their meaning.
  - ▶ Your project is a [final work](#), with no spelling mistake and a good layout.
  - ▶ Your project is due before Tuesday [15. October 2024](#). Please submit here:

<https://classroom.google.com/c/NzA5ODkzMzE5ODc1?cjc=uloszjl>