

$$\frac{\partial(x^{2}(a_{0},a_{1}))}{\partial a_{1}} = \sum_{i=1}^{N} -2xi(y_{i}-a_{0}-a_{1}x_{i}) = 0$$

$$\frac{\partial a_{1}}{\partial a_{1}} = \frac{1}{1}$$

$$\frac{\partial a_{2}}{\partial a_{1}} = \frac{1}{1}$$

$$\frac{\partial a_{2}}{\partial a_{2}} = \frac{1}{1}$$

$$\frac{\partial a_{2}$$

Realizamos el proceso descrito onteriormente, pero Para:  $x^{2}(a_{0}, a_{1}, a_{2}) = \sum_{i} (y_{i} - (a_{0} + a_{1}x_{i} + a_{2}x_{i}^{2}))^{2} = \sum_{i} (y_{i} - a_{0} - a_{1}x_{i} - a_{2}x_{i}^{2})^{2}$  $\frac{\partial(x(\alpha_0,\alpha_1,\alpha_2))}{\partial(\alpha_0,\alpha_1,\alpha_2)} = \int_{-2}^{2} (y_i - \alpha_0 - \alpha_1 x_i - \alpha_2 x_i^2) = 0$ = qo + a1x; + qz xi 3 (x2(a0, an, a2)) 2 X: Y; Q, Q, X: Q, X;  $-a_1x_i^2 - a_2x_i = 0$ n x, y, = q, x; + a, x; + a, x; n n 1-1 **CS** CamScanner Powered by

d Nota alguna regularidad? Al observar el sistema de ecuaciones obtenido, es evidente que para la derivada de cada parametro an el termino que acompaña a y: es xº. Por tanto, este grado aumenta en 1 para cada derivada. Powered by Cs CamScanner