

Exercício Linearizar a função

$$y = \frac{e^{(a_0 + a_1 x_1)}}{1 + e^{(a_0 + a_1 x_1)}}$$

$$\frac{1}{y} = \frac{1 + e^{(a_0 + a_1 x_1)}}{e^{a_0 + a_1 x_1}}$$

$$\frac{1}{y} = \frac{1}{e^{a_0 + a_1 x_1}} + 1$$

$$\ln\left(\frac{1}{y} - 1\right) = \ln\left(\frac{1}{e^{a_0 + a_1 x_1}}\right)$$

$$\ln\left(\frac{1}{y} - 1\right) = -a_0 - a_1 x_1$$

$$y' = a_0' + a_1' x_1$$