

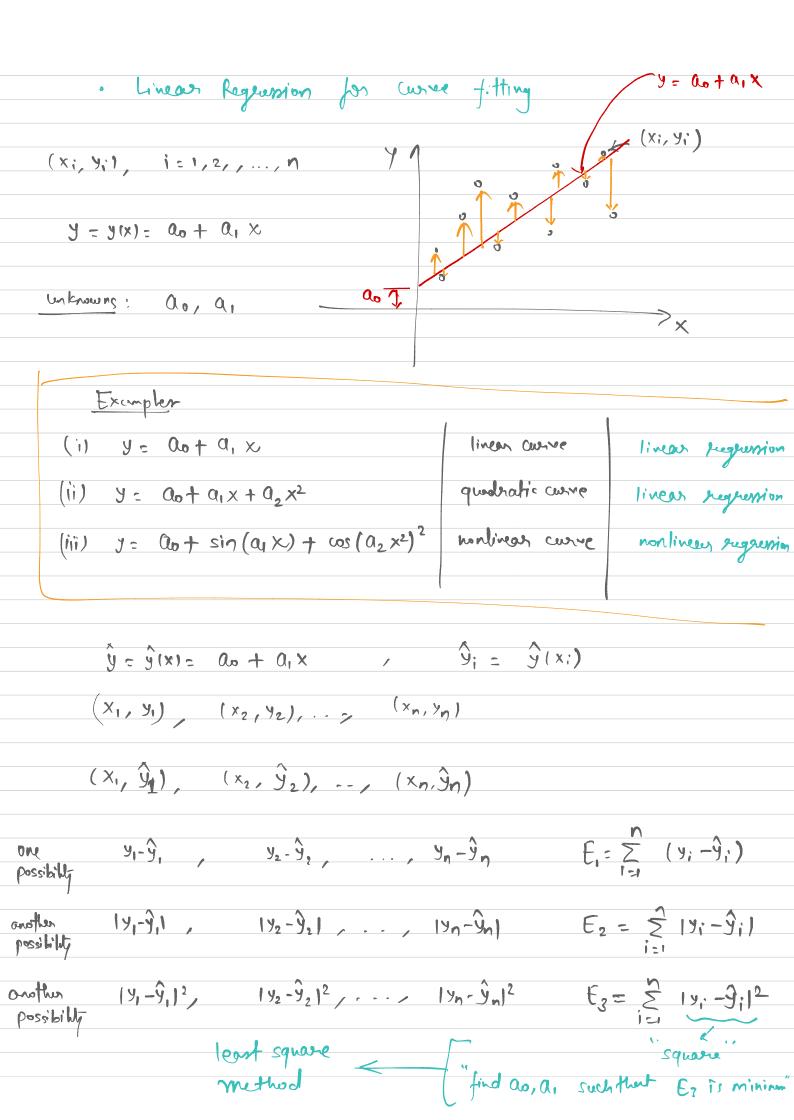
$$f(x) > 0$$

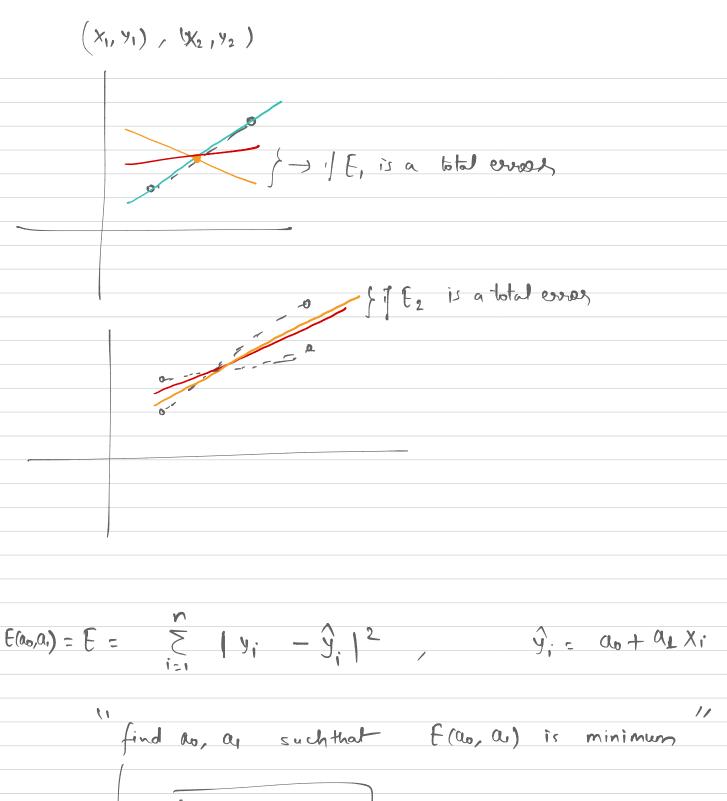
$$\int_{a}^{b} f(x) dx = 1$$

$$f(x) = \frac{g(x)}{\int_{a}^{b} f(x) dx} = 1$$

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Gaussian distribution function (Gaussian) $G(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$ T = standard deviation parameters of Gaussian le: mean at x= L, G(L) is controlled by o manimum - (V(X) 0 o is small 5 is large





find
$$a_0$$
, a_1 such that $f(a_0, a_1)$ is minimum

$$\frac{\partial f}{\partial a_0} = 0$$

$$\frac{\partial f}{\partial a_1} = 0$$

$$\frac{\partial f}{\partial a_0} = \frac{\partial}{\partial a_0} = \frac{n}{2}$$