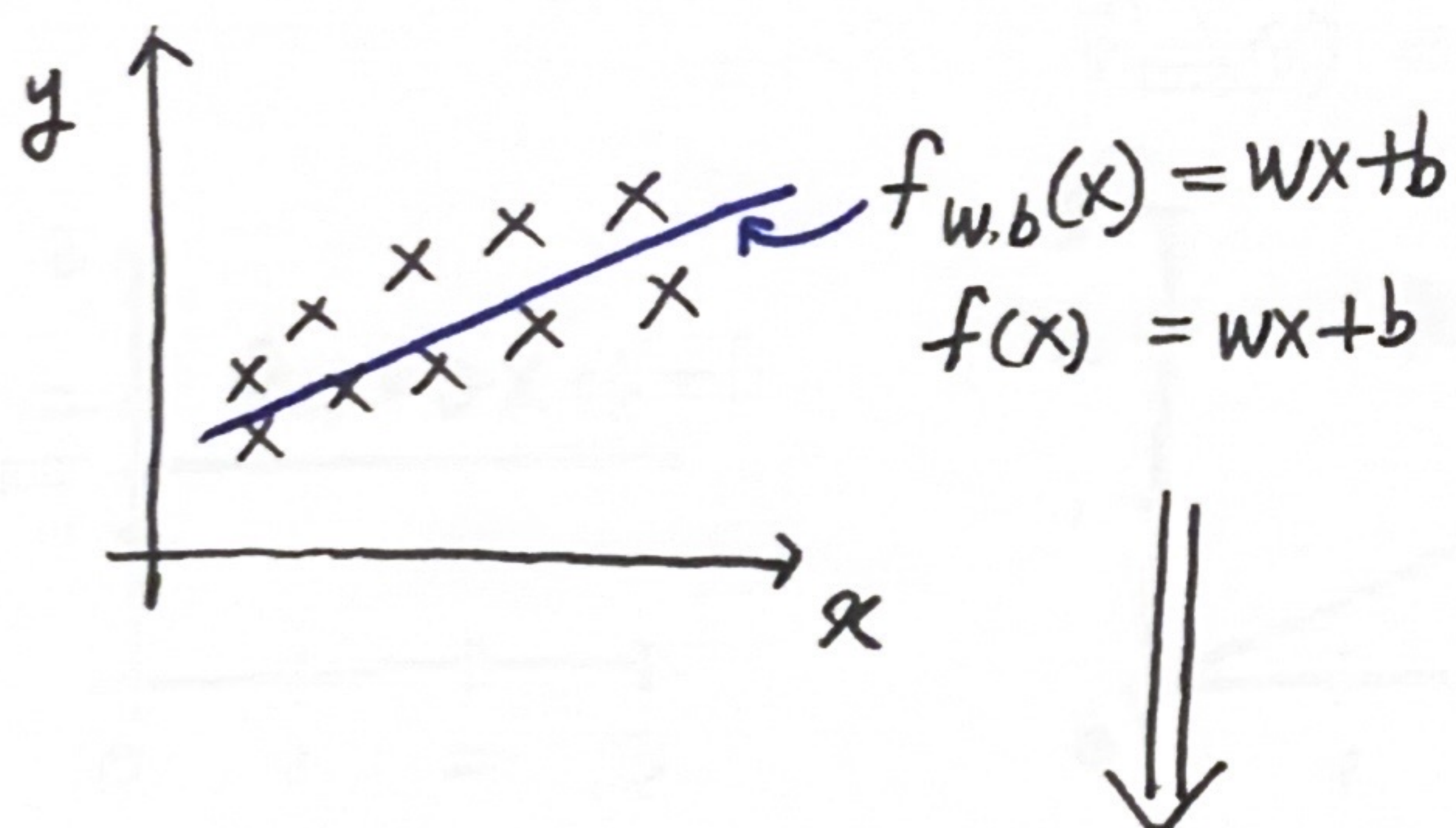


< How to represent f ? >

$$f_{w,b}(x) = wx + b \quad (w, b \text{ determine } \hat{y} \text{ based on } x)$$

⇓ simple notation

$$f(x) = wx + b$$



learning algorithm learns from data and generates a best fit line

⇓

This particular model as a name is

= "Linear Regression with one variable"
(single feature x)

= "Univariate linear regression"