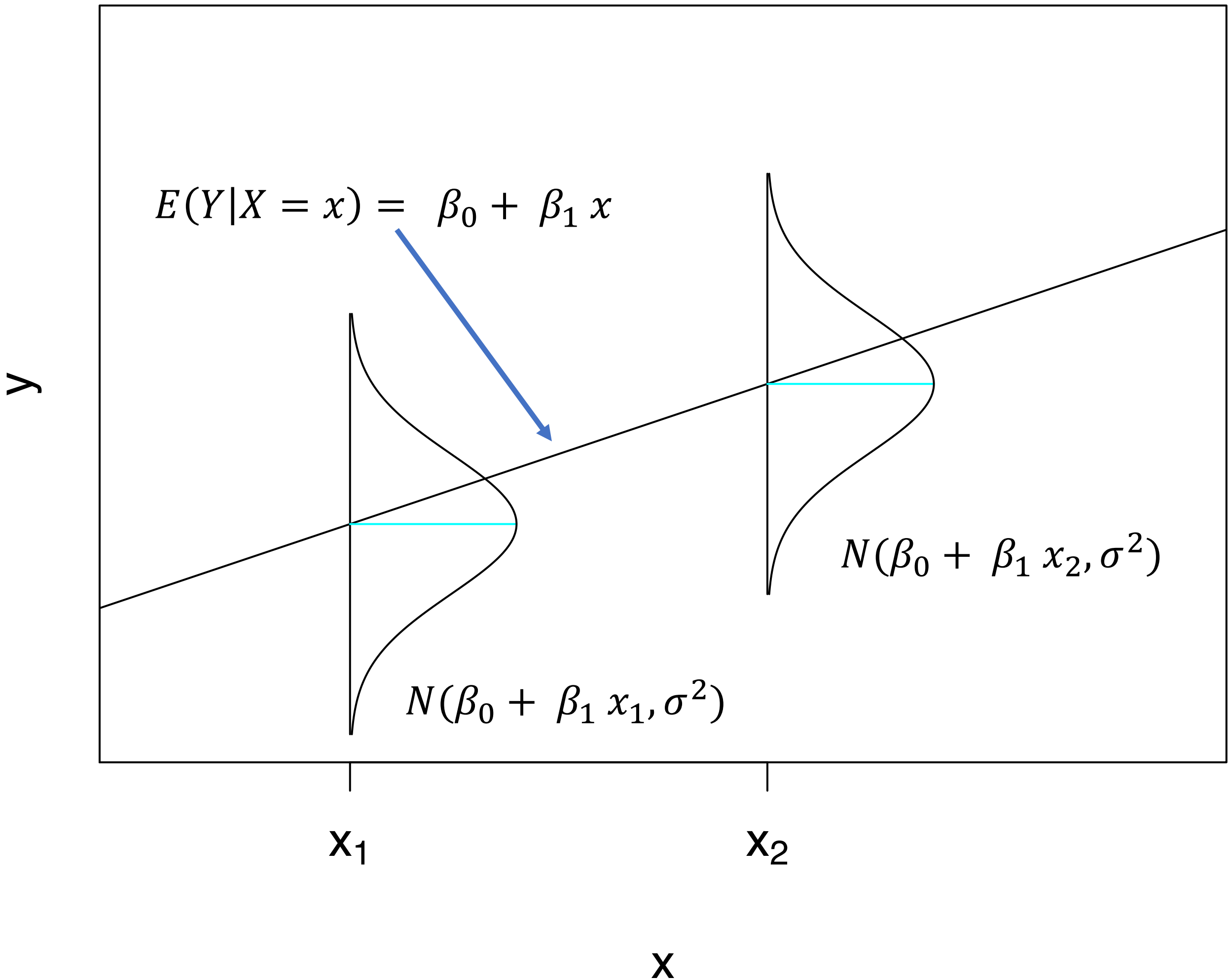
$E(Y|X = x) = \beta_0 + \beta_1 x$
$N(\beta_0 + \beta_1 x_1, \sigma^2)$
$N(\beta_0 + \beta_1 x_2, \sigma^2)$
x_1
x_2
x
y