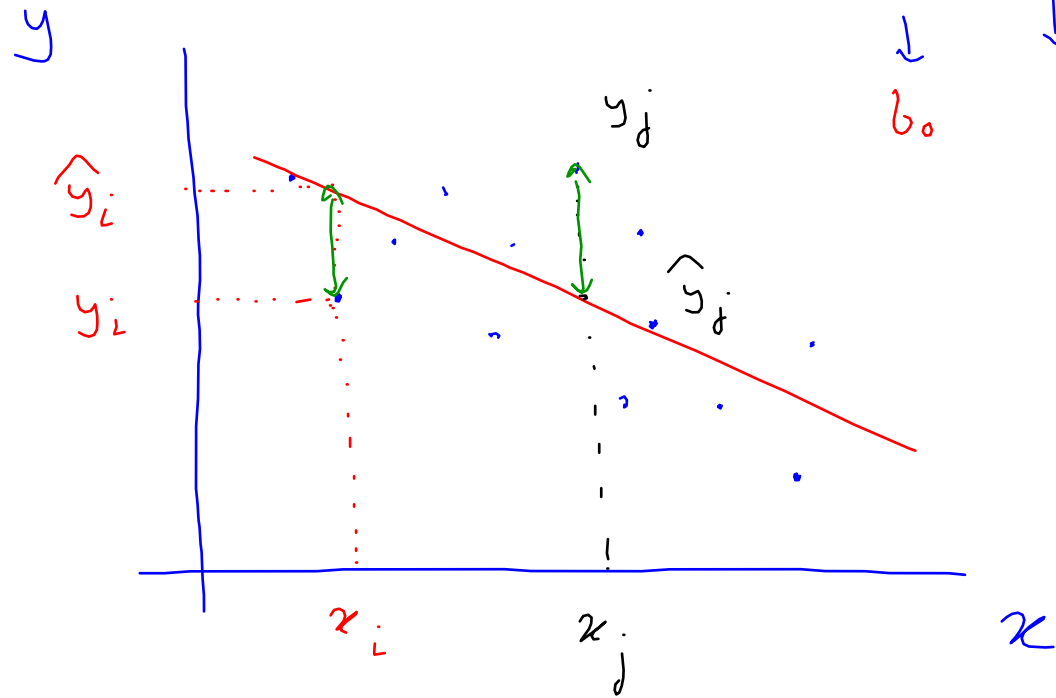


	(educ.)	(crime)
obs.	x	y
1		
2		
3		
⋮		
⋮		
⋮		
⋮		
⋮		

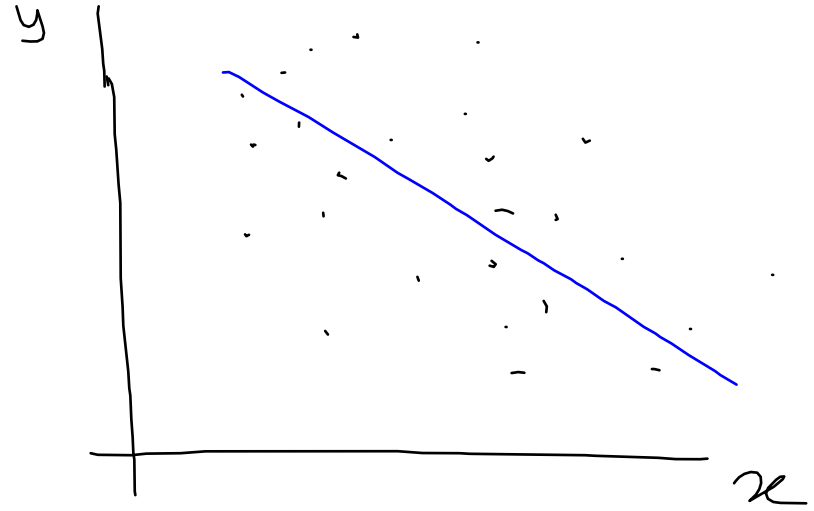
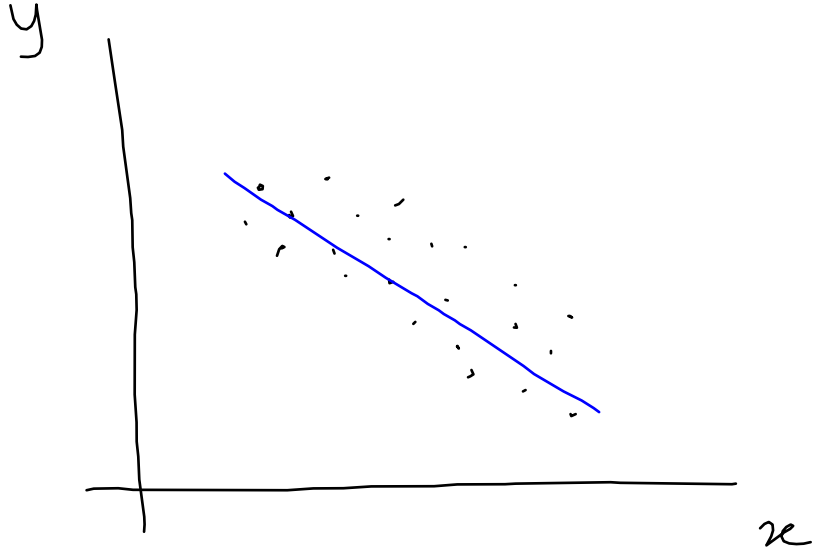


$$y = \beta_0 + \beta_1 x + \varepsilon$$

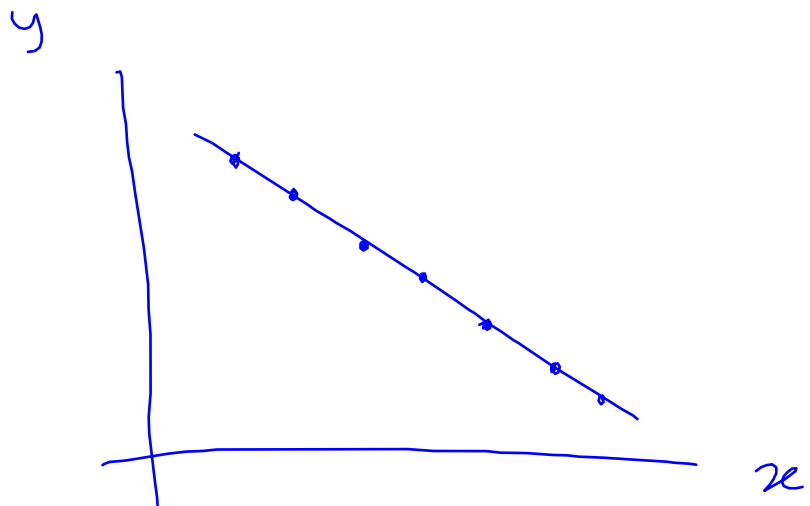
$\downarrow$ $\downarrow$
 b_0 b_1

$$y_i - \hat{y}_i < 0$$

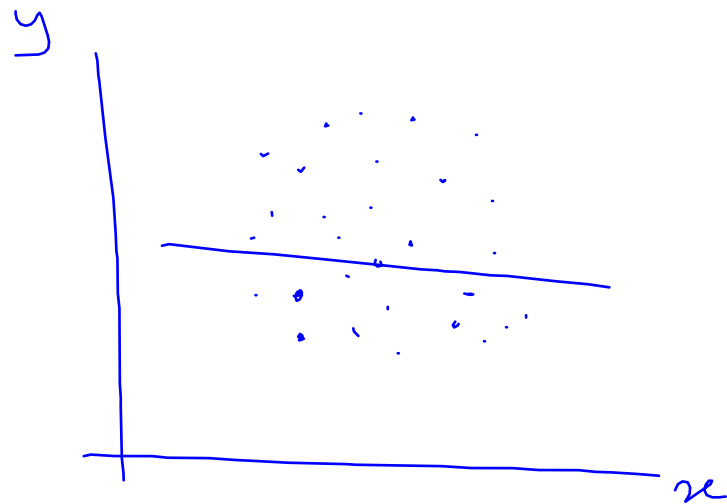
$$y_j - \hat{y}_j > 0$$



variation in $\hat{y}$
 " " y



$$R^2 = 1$$



$$R^2 = 0$$