## Effect of Schooling on Wages

Short 
$$y:=\alpha+x;\beta+\epsilon;$$
Long  $y:=\alpha+x;\beta+\alpha;\underline{T}+\underline{T}$ 

i)  $\pi:=\alpha+x;\beta+\alpha;\underline{T}+\underline{T}$ 

ii)  $\pi:=\alpha+x;\beta+\alpha;\underline{T}=0$ 

$$\hat{\beta} = \frac{2(x; -\bar{x})(y; -\bar{y})}{2(x; -\bar{x})^2}$$

$$= \frac{2(x; -\bar{x})(2(x; -\bar{x}) + \epsilon;)}{2(x; -\bar{x})(2(x; -\bar{x}) + \epsilon;)}$$

$$= \beta + \frac{2(x; -\bar{x})(2(x; -\bar{x}) + \epsilon;)}{2(x; -\bar{x})(2(x; -\bar{x}) + \epsilon;)}$$

$$= \beta + \frac{1}{2}(x; -\bar{x})(2(x; -\bar{x}) + \epsilon;)$$

$$= \beta + \frac$$