Eczozo Session Z

tong linnan, github. io/Eczozo

y := ~ + BT; + &;

(â, pî) Eε;T; /o

T = Health insurance

Y: Healty

C = Socio- transi tuto

Wealth

4; = d = p5T; + E;  $\frac{\partial y_i}{\partial x_i} = \beta^2$ 

y; = a+ DT; + y C; + E;

=> "holding other variables constant "

Portial derivative

(Ci)

 $4 \gamma_i = \beta_1 + \beta_2 \times_{2i} + \beta_3 \times_{3i} + \epsilon_i$ 

( \beta, \beta\_2, \beta\_3) Var (Br X) maler GM.

SLRI: ---

SLRZ:

Var (X2i) 70 Var (X3i) 70 multi collinearly properties

[E[E| X2i, X3i) = 0 better vowelly Fe=0 (unbiased / consistent)

SLR3:

Var(e;) = 52 SLR4:

homoscellasticity

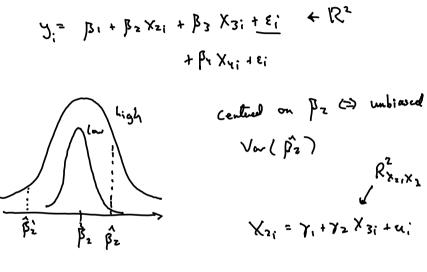
Ro autocorrelation

[efficient] cor(e:, e;) = 0 for i + j SLR5:

$$V_{w}(\vec{\beta}_{2}) = \frac{e^{2}}{\left[\frac{1}{n}\sum_{i}(\chi_{z_{i}}-\vec{\chi}_{z_{i}})^{2}\right]\cdot n} \cdot \frac{1}{1-R_{\chi_{z}\chi_{y}}^{2}} = \frac{e^{2}}{V_{wy}^{2}(\chi_{z_{i}})\cdot n\cdot (1-R_{\chi_{z}\chi_{y}}^{2})}$$

(4) X2, X3 not very correlated

(3) 5 2 is low



MC: R = 1

New MC: R2 ~1

LE: Years

H: \$USD

S Health: +E;

"Tulippret B" => "give a seuline suying

"Tulippret B" => "lat B means"

is assossible with B extra years of life expertancy keeping all else equal

Ly CORRELATION STATEMENT

Imagine Health K: \$ 1000 USD

1000 or 5000