

ECONOMIA APPLICATA M - LEZIONE 2^a (NOTE AGGIUNTIVE)

Titolo nota

21/11/2017

REGRESSIONE PARTIZIONATA (UN INCISO) 2/12/19

$$y = X\beta + U = X_1\beta_1 + X_2\beta_2 + U$$

$$\begin{array}{c} (T \cdot 1) \quad \downarrow \quad \downarrow \quad (T \cdot 1) \\ T \cdot K \quad (K \cdot 1) \end{array}$$

$$\begin{array}{c} X_1 \\ T \cdot (K-G) \end{array}$$

$$\begin{array}{c} X_2 \\ T \cdot G \end{array}$$

$$\begin{array}{c} \beta_1 \\ (K-G) \cdot 1 \end{array}$$

$$\begin{array}{c} \beta_2 \\ (G \cdot 1) \end{array}$$

SPRING 01

$$\hat{\beta} = (X'X)^{-1} X'y$$

$$\hat{\beta}_1 = (X_1' \Omega_2 X_1)^{-1} X_1' \Omega_2 y$$

$$\hat{\beta}_2 = (X_2' \Omega_1 X_2)^{-1} X_2' \Omega_1 y$$

PROVE $\Omega_1 = I_T - X_2(X_2'X_2)^{-1}X_2'$

$$\Omega_2 = I_T - X_1(X_1'X_1)^{-1}X_1'$$

(FCCD $\neq 1$) CA "AUMENTATA"

$M_U: \log C_t = \beta_0 + \beta_1 \log M_t + \beta_2 \log Y_t + U_t$

$\beta_2 = 0$ ($\eta = 1$)

$M_U:$
 ~~M_S~~

$\log C_t = \beta_0 + \beta_1 \log M_t + U_t$

← CA "PURA"
 (FCCD $\eta = 1$)

↳ livello di INTERESSE → $\hat{\beta}_2$ DISTANZA / non DISTANZA ??

DIAS ASSOCIADO A $\hat{\beta}_1$ E : $\boxed{\hat{\delta}_1 \cdot \hat{\beta}_2}$

DOVE $\hat{\beta}_2$ DA Π_U

$$\hat{\delta}_1 \text{ DA : } \eta_A : \ln Y_t = \delta_0 + \delta_1 \ln X_t + \eta_t$$