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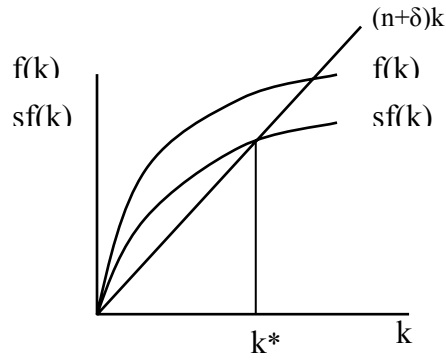
$$K^{\circ} = s.f(k) - (n + \delta)k$$

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$$K =$$

$$(n + \delta)k \quad s.f(k)$$

1. Steady State



$$s \cdot f(k^*) = (n + \delta)k^* \quad k^*$$

$$y^* = f(k^*) \quad c^* = (1-s) f(k^*) \quad k^*$$

$$k \quad y \quad c$$

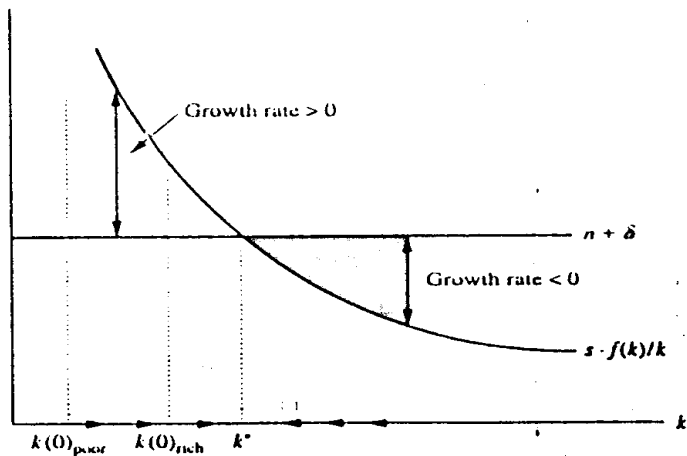
$$k \quad k$$

$$g_k = \frac{k \cdot}{k} = s \cdot f(k) / k - (n + \delta) \quad ()$$

$$: \quad k \quad g_k$$

$$\frac{\delta g_k}{\delta k} = \frac{s f(k) k - s f(k)}{k^2} = -s \underbrace{[f(k) - k f'(k)]}_{$f(k) - k f'(k)$} / k^2$$

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$$\log(y_{it} / y_{it-1}) = a - b \log(y_{it-1}) + \varepsilon$$

b a i t u y
(<b<) b

$$y_i = x_i B_i + \varepsilon_i \quad i=1,000,n$$

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1. Lesage,1999.

(CBD)

CBD

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y^*

y

p

$$y = pcy + \varepsilon$$

y

y

XB

$$y = pcy + XB + \varepsilon$$

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$$\ln\left(\frac{y_{it}}{y_{it-1}}\right) = a - (1 - e^B) \log(y_{it-1}) + pc \ln(y_{it} / y_{it-1}) + \varepsilon$$

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$$\log(y_{it} / y_{it-1}) = a - (1 - e^B) \log y_{it-1} + u_{it}$$

OECD

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$$\ln\left(\frac{y_{t+k}}{y_t}\right) = x + B \ln(y_t) + PW \ln\left(\frac{y_{t+k}}{y_t}\right) + \varepsilon_t$$

P

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B



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$$B = \%1$$
$$\%$$

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$$Gy_{it} = -0/041 - (1 - e^{-0/0033}) LGDP_{it-1} + 0/112 Gyp_{it} + 0/11 LGDPP_{it-1}$$

(-3/06) (1/68) (3/48) (2/4)

$$+ 0/006 Time + 0/27 Dum_1 + 0/15 UM_2 + 0/08 DUM_3$$

(2/03) (21/48) (21/56) (24/29)

R² = 0/62 D.W = 1/92

LGDP

Gyp

t

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$$\ln(y_{it}/y_{it-1}) = a[(1 - e^{-B})] \ln(y_{it-1}) + \epsilon$$

TSP /

$$\ln(y_{it}/y_{it-1}) = 2 - 936 - (1 - e^{-0/307}) \ln(y_{it-1}) + \varepsilon$$

$$\begin{matrix} (6/94) & (-6/9) \\ R^2 = 0/17 & D.W = 2/2 \end{matrix}$$

B

$$\ln(y_{it}/y_{it-1}) = a - [(1 - e^{-B})] \ln(y_{it-1}) + Pw \ln(y_{it}/y_{it-1}) + \varepsilon$$

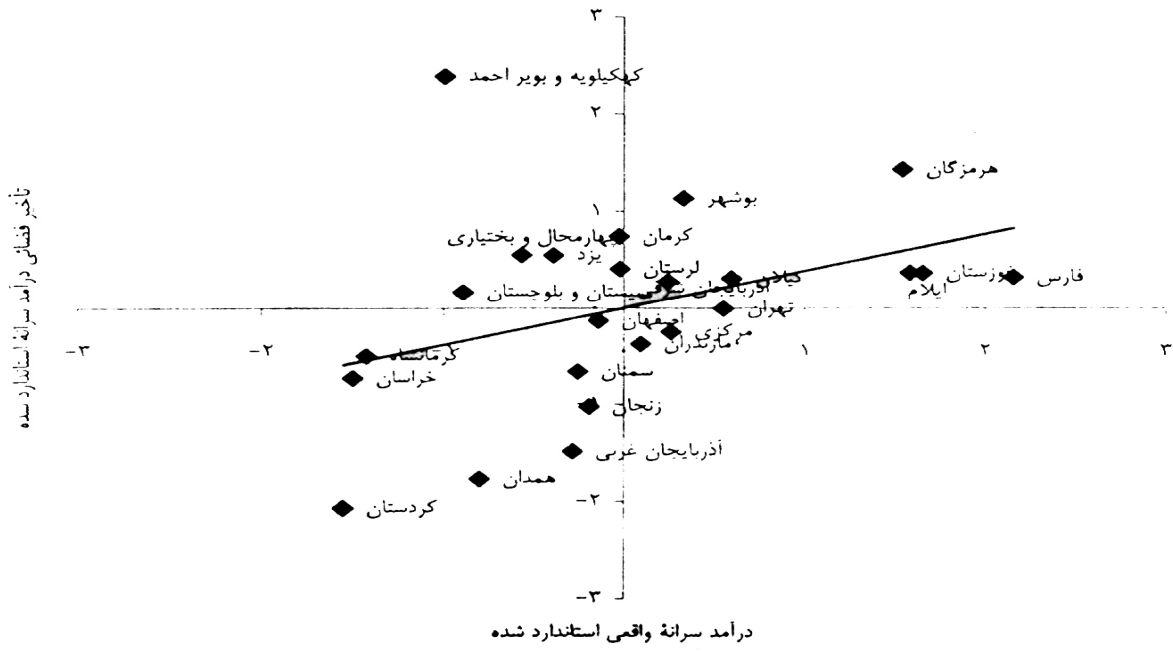
P
W

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$$\ln(y_{it}/y_{it-1}) = 2/63 - (1 - e^{-0/271}) \ln(y_{it-1}) + 0/702 W \ln(y_{it}/y_{it-1}) + \varepsilon$$

$$\begin{matrix} (7/58) & (-7/6) & (10/92) \\ R^2 = 0/45 & & D.W = 2/2 \end{matrix}$$

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$$Pwln (y_{it} / y_{it-1})$$



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5. Anselin, Luc.(1999) “ spatial Econometrics” , *school of sciences University of Texas at Dallas*.
 6. Barro, Robert J., Sala-i-Martin Xarier.(1995). “ Economic Growth”, *Mcgrawhill Inc*.
 7. Baumol, Willam J.(1986) “Productivity, Growth , Convergence and welfare : What the long Run Data Show” , *AER* , pp 1072-1085.
 8. Lesage, James.(1999)“ spatial Econometric “ , *Department of Economics University of Toledo*.
 9. Levine , Ned. (1996) “ spatial statistics and GIS : Software Tools to Quantify spatial patterns” , *APAjournal* , PP 9381-391.
 10. Rey , sergio J., Montouri , Brett D.(1998)“Us Regional income Convergence : A spatial Econometric perspective” , *Regional Studies* , PP 143-156.

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