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F12,F13,F17 : **JEL**

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Edwards &) .

(Wijnbergen,1992, 1482

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R&D AK

(Lucas,1988)

(Romer,1986)

(Sala- 1995, I- Martin&Barro)

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A (y = Ak) AK

R&D

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(Khan,1990)

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¹ Befor- After Approach.
² With- Without, Control group Approach.
³ Actual versus targets approach.
⁴ Difference- in- Difference

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R&D

GDP GDP GDP International) (Monetary Fund (IMF)	(Panel data) ()	(Calamitis & Daneshwar, 1999)
IMF	IMF	(Doroodian , 1993)
GDP	GDP ()	(Greenaway&Wright, 1998)
GDP	() ()	(Sanjeev Gupta & et al , 2002)

		(Przewoski & Vreeland, 2000)
		()
	()	()
		(Reinhard, CM, 1989)
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	()	(Sushanta, 2001)
	()	(Gillivary, 2003)
		(Oussou&Bouabre, 1994)

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¹ G. Warty

² Economic Freedom of the World (2006)

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$$RER = \frac{EP^*}{P}$$

OECD

RER

*P**

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¹ -Black market premium

$$BMP = \left[\frac{B}{E} - 1 \right]$$

BMP

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$$Y = Af(K, L, Z)$$

$$\begin{array}{cccc}
 & Z & L & K \\
 & & & y \\
 & & & A \\
 & & & . \\
 & & & : \\
 & & & A = \frac{y}{f} \\
 & & & : \\
 & & & \dot{y} = a_0 + a_1 \frac{I}{y} + a_2 \dot{L} + a_3 \dot{Z} \\
 & & & a_0 = \frac{dA}{A} \quad , \quad a_1 = \frac{\partial y}{\partial k} \quad , \quad a_2 = \frac{\partial y}{\partial l} \cdot \frac{l}{y} \quad , \quad a_3 = \frac{\partial y}{\partial z} \cdot \frac{z}{y} \\
 & & & a_0 \\
 & & & : \\
 & & & a_3 \qquad \qquad \qquad a_2 \qquad \qquad \qquad a_1
 \end{array}$$

$$\dot{y} = a_0 + a_G \frac{I_G}{y} + a_P \frac{I_P}{y} + a_1 \dot{L} + a_{2j} \dot{Z}_j$$

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: \dot{y}

: $\frac{I_G}{y}$

: $\frac{I_P}{y}$

: \dot{L}

: \dot{Z}

: a_1

: a_{2j}

: a_G

: a_P

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Z

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() ()
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GGDPNO	
GL	
SHINVG	GDP
SHINVP	GDP
GSBUDEF	GDP
GSTAX	GDP
GSEXPEND	GDP
GSSUBSID	GDP
GSXMR	GDP ()
GEXP	
GM	
GRER	
BMP	
GATR	
DUM	

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$$GL = \beta_0 + \beta_1 GGDPNO + \beta_2 GSXMR + \beta_3 SHINVP + \beta_4 SHINVG + \beta_5 GATR + \beta_6 GSEXPEND + \beta_7 GRER + \beta_8 DUM + \epsilon$$

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D.W = / F = /

R² = /

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$$\text{GGDPNO} = \beta_0 + \beta_1 \text{GL} + \beta_2 \text{SHINVG} + \beta_3 \text{SHINVP} + \beta_4 \text{GSXMR} + \beta_5 \text{GATR} + \beta_6 \text{GSTAX} + \beta_7 \text{GRER} + \beta_8 \text{DUM} + \epsilon_t$$

t: DUM

(/) (/) (/) (/) (/) (/) (/) (/) (/)

R² = / D.W = / F = /

$$\text{GGDPNO} = \beta_0 + \beta_1 \text{GL} + \beta_2 \text{SHINVG} + \beta_3 \text{SHINVP} + \beta_4 \text{GSXMR} + \beta_5 \text{GATR} + \beta_6 \text{DUM} + \beta_7 \text{GRER} + \beta_8 \text{GSUBSID} + \epsilon_t$$

t: (/) (/) (/) (/) (/) (/) (/) (/) (/)

F = /

R = / D.W = /

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GL= / + / GGDPNO DUM + / GMR + / GEXP + /

SHINVP+ / SHINVG + /

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