

( )

GDP

( )

/

/

/

UNDP

:

:

.

.

.

.

.

.

.

.

.

.

.()

Pigou

Anand and Ravallion

(UNDP)

.()

.()

UNDP

.()

/

/

:

/

.()

(

HDI )

GDP

.()

.()

.()

(HDR)

.( )

GDP

.( )

.( )

( )

:

)

(

)

(

)

.( )

(

Rmax

Rmin

Rc

Sc Smin Smax

.( )

( HDI)

W1

W2

$$\frac{Y_{\max} - Y_c}{Y_{\max} - Y_{\min}}$$

(

HDI

Ymax

Ymin

Yc

( )

GDP

HDI

.( )

.()

$$I = \frac{I_1 + I_k + I_y}{3}$$

$$\frac{L_{\max} - L_c}{L_{\max} - L_{\min}}$$

L max

L min

Lc

$$W_1 \left( \frac{R_{\max} - R_c}{R_{\max} - R_{\min}} \right) + W_2 \left( \frac{S_{\max} - S_c}{S_{\max} - S_{\min}} \right)$$

:

---

HDI

( )

( )

( )

**HDI**

HDI .

( )

HDI

UNDP

/

/

GDP

(PPP US\$)

HDI

( )

/

/

/

/

/ OECD

/

/

/

( )

/

(

---

/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	...	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/
/	/	/	/	/	/	/

---

(

**GDP**

**GDP**

/

/

/

/

/

/

/

/

/

/

/

/

.( )

/

/

.( )

.( )

.( )

)

.(

.( )

/ /

( )

.

%

%

GDP

## References:

---

1. Anand S, Ravallion M. Human development in poor countries: on the role of private incomes and public services. *J Econom Perspect* 1993; 7:133-150.
2. Sen A. Cooperation, inequality and the family. *Population Develop Rev* 1990; 15(suppl):61-76.
3. UNDP (1990). Human Development Report. New York: Oxford University Press, 1990.
4. Sagar AD, Najam A. The human development index: a critical review. *Ecology Econ* 1998;25:249-264.
5. Haq M. Reflections on human development, New York: Oxford University Press, 1995.
6. United Nations Development Programme, (2003), What is the human development? Human Development Reports, retrieved 25 April, 2004, from [Http://hdr.undp.org/hd/default.cfm](http://hdr.undp.org/hd/default.cfm).
7. Streeten P. From growth to basic needs. *Finance Develop* 1979;16:28-31.
8. Isenman P. Basic needs: the case of Sri Lanka. *World Develop* 1980;8:237-58.
9. Sen A. Public action and the quality of life in developing countries. *Oxford Bull Econom Statist* 1981;43:287-319.
10. Bari F. From economic growth to human development. CMER Working paper Series No. 01-28, 2001 ( [WWW.ums.edu.pl/cmer](http://WWW.ums.edu.pl/cmer)).
11. United Nations Programme, (2003), FAQ on the Human Development Indices? Human Development Reports, retrived 20 May, 2004, from <http://hdr.undp.org/hd/default.cfm>.
12. Sen AK. Development as freedom. New York: Knopf,1999.
13. Kelly AC. The Human Development Index: Handle with care. *Popul Develop Rev* 1991;17:315-324.
14. Foster JE, Lopez-Calva LF, Szekely M. Measuring the distribution of human development: Methodology and an application to Mexico. UDLA, working paper no. 2003-08, 2003.
15. Human Development Report Office (2001), Human Development Indicators, Notes On Statistics in the Human Development Report, 134.
16. Ranis G. Economic growth human develop 2000;28:197-219.
17. Strauss J. Does better nutrition raise farm productivity? *J Polit Econom* 1986; 94:297-320.
18. Strauss J, Duncan T. Nutrition and economic development. *J Econom Liter* 1998; 36:766-817.
19. Ranis G. Human development and economic growth. Economic Growth center, Yale University, Center Discussion paper no. 887, 2004, 7.