The Role of Latin America in the World Economy

By

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Economic Growth in the Information Age

INTRODUCTION:
Prices of Information Technology

ROLE OF INFORMATION TECHNOLOGY:
IT Prices and the Cost of Capital

WORLD GROWTH RESURGENCE:
IT Investment and Productivity Growth

ECONOMICS ON INTERNET TIME:
The New Research Agenda
HOLDING QUALITY CONSTANT
Matched Models and Hedonics

SEMICONDUCTOR PRICE INDEXES:
Memory and Logic Chips.

COMPUTER PRICE INDEXES:
The BEA-IBM Collaboration.

COMMUNICATIONS EQUIPMENT:
Terminal, Switching, and Transmission.

SOFTWARE:
Prepackaged, Custom, and Own-Account.
Relative Prices of Computers and Semiconductors, 1960-2006

All price indexes are divided by the output price index.
ROLE OF INFORMATION TECHNOLOGY: IT Prices, Investment, and Productivity.

INPUT SHARES OF IT:
Computers, Communications Equipment, and Software.

CAPITAL CONTRIBUTION:
IT vs. Non-IT Capital Services.

CAPITAL CONTRIBUTION BY TYPE:
Computers, Communications Equipment, and Software.
U.S. Capital Input Contribution of Information Technology

Average annual growth rates, weighted by the income share.
World Capital Input Contribution of Information Technology

Annual percentage growth rates, weighted by income shares

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Non-IT Capital IT Capital
G7 Capital Input Contribution of Information Technology

Annual percentage growth rates, weighted by income shares

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Non-IT Capital | IT Capital
Developing and Transition Economy Contribution of Information Technology

Annual percentage growth rates, weighted by income shares

Brazil | China | India | Indonesia | Mexico | Russian Federation | South Korea
---|---|---|---|---|---|---

Non-IT Capital | IT Capital
WORLD GROWTH RESURGENCE: IT Investment and Productivity Growth.

TOTAL FACTOR PRODUCTIVITY:
IT-Production versus Non-IT Production.

SOURCES OF ECONOMIC GROWTH:
Capital Input, Labor Input, and TFP.

LABOR INPUT GROWTH:
Hours Worked and Labor Quality.
Sources of U.S. Economic Growth
Average annual growth rates, weighted by the income share.

- Labor Hours
- Labor Quality
- Non-IT Capital Services
- IT Capital Services
- TFP

Annual Contribution (%)

Average annual growth rates, weighted by the income share.
Sources of World Economic Growth

Annual percentage growth rates

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<tr>
<th>Period</th>
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Sources of Growth for Developing and Transition Economies

Annual percentage growth rates

Brazil
China
India
Indonesia
Mexico
Russian Federation
South Korea

-9.00
-7.00
-5.00
-3.00
-1.00
1.00
3.00
5.00
7.00
9.00
11.00

1989-1995
1995-2000
2000-2006

Hours
Quality
Non-IT Capital
IT Capital
TFP
ECONOMIC RESEARCH, OFFICIAL STATISTICS, AND POLICY ANALYSIS

RESEARCH ON ECONOMIC GROWTH:
Relative Importance of Investment and Productivity

OFFICIAL STATISTICS:
Implementation of a New Architecture for the National Accounts

POLICY ANALYSIS:
Potential Growth in Latin America and the World Economy
World and Major Regions: Growth Projections, 2006-2016
G7: Growth Projections, 2006-2016
Major Developing and Transition Economies: Growth Projections, 2006-2016

Productivity Growth
GDP Growth
GDP per Capita Growth
Latin America: Growth Projections, 2006-2016

The chart shows growth projections for various Latin American countries from 2006 to 2016. The y-axis represents productivity growth, GDP growth, and GDP per capita growth. Each country is represented by different bars indicating the forecasted growth for each category.

- Argentina
- Brazil
- Chile
- Colombia
- Mexico
- Peru
- Venezuela, RB

The legend indicates that orange bars represent productivity growth, purple bars represent GDP growth, and green bars represent GDP per capita growth.
EU KLEMS PROJECT

CURRENT RELEASE:
March 2008

25 EU ECONOMIES:
Australia, Canada, Japan, Korea, and the U.S.

SOURCES OF DATA:
Capital, Labor, and Intermediate Inputs

COMPLETION DATE:
June 30, 2008