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# Development Economics

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Lecture 9: Testing the Solow approach—  
Easterly and Levine (2001)

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# Today

## 1. Testing the Solow approach

Easterly and Levine. 2001. “It’s not Factor Accumulation: Stylized Facts and Growth Models.”

## Observations of Easterly and Levine:

1. TFP differences explain most of differences in income, not savings and capital
2. Little evidence of convergence
3. Growth is variable (not predictable as in Solow)
4. Factors of production tend to flow where already abundant not scarce
5. Policies matter

# Easterly and Levine (2001)

- Look at updated data
- Present “stylized facts”
  - Statement about the data that seem important and persistent.
  - Generally not well explained by Solow type models.
- Critique of MRW
  - MRW assume that all countries vary randomly in TFP (A)
  - But TFP seems to explain most of differences, not capital and labor

# Stylized Facts

1. Total Factor Productivity (TFP) explains most of the variation across countries, not differences in factor accumulation
2. Large and growing differences in GDP per capita.
  - While there may be some conditional convergence, the big story is the massive divergence. The rich are getting richer, and the poor are not growing much
3. Growth is not persistent over time, but capital accumulation is

# Stylized Facts

4. Factors of production flow to the same places—  
where they already exist in abundance
  - So Africa, despite having little capital, often exports capital, and human capital
5. National policies influence long-run growth
  - Importance of institutions



































