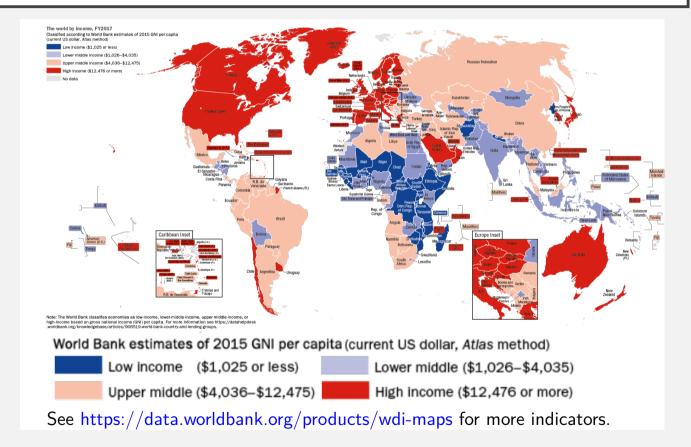
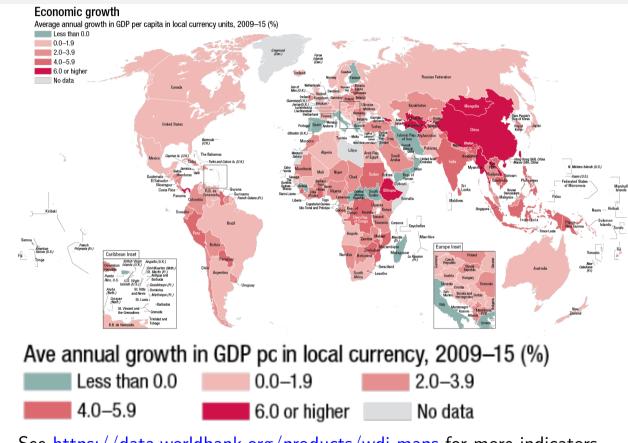
TOPICS IN DEVELOPMENT ECONOMICS EC310

Professor Sharun W. Mukand

LEVELS OF INCOME ACROSS THE WORLD



GROWTH OF INCOME ACROSS THE WORLD



See https://data.worldbank.org/products/wdi-maps for more indicators.

WHY STUDY DEVELOPMENT?

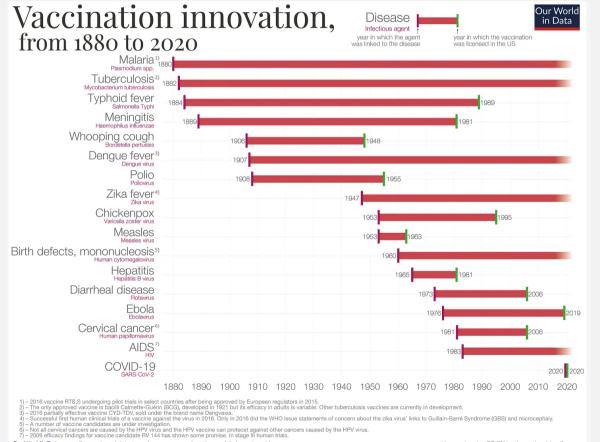
- Most countries are poor, and most people live in poor countries
- "Most of the people in the world are poor, so if we knew the economics of being poor, we would know much of the economics that really matters."

Ted Schultz (1979 Nobel Lecture)

- Development economics encompasses all parts of economics, and developing countries are actually very different
- YOUR life will increasingly be affected by what is happening in the rest of the world! Insulation is not possible: immigration, climate change, conflict....

WHY NO VACCINE FOR MALARIA IN 20TH **CENTURY**?

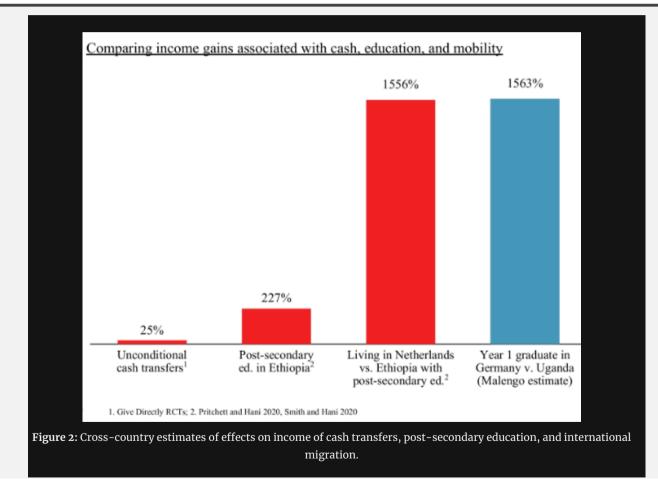
IN 20TH CENTURY ALONE – MALARIA TOOK 150-300 MILLION LIVES.



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WHAT IS THE EASIEST WAY TO REDUCE POVERTY? (IF YOU REALLY CARED ABOUT POOR PEOPLE)

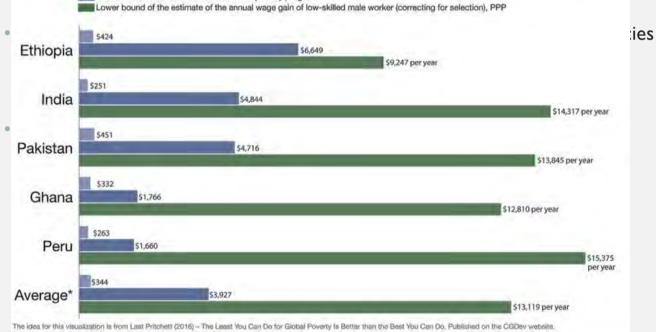


WHAT IS THE EASIEST WAY TO REDUCE POVERTY? (IF YOU REALLY CARED ABOUT POOR PEOPLE)

Gains from multifaceted anti-poverty program vs. gains from emigration to the US The anti-poverty program that has six elements: (1) a productive asset transfer, (2) consumption support, (3) technical skills training, (4) high frequency home visits, (5) a savings program, (6) some health education. The program was evaluated in six country sites and was evaluated using a randomized control trial (RCT).

Treatment effect of poverty program on nondurable consumption in year 3

Net Present Value of benefits less costs of poverty program



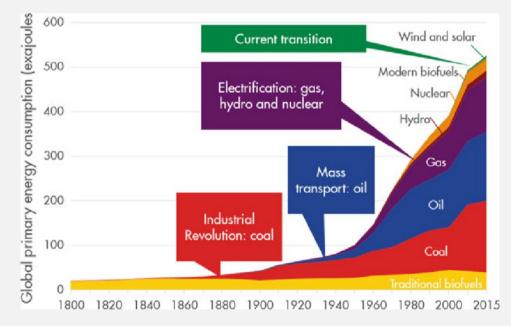
The Average and the entire visualisation excludes Honduras

This data visualization is available at OurWorldinData.org. There you more visualizations and research on this topic.

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IT POSSIBLE TO HAVE ECONOMIC DEVELOPMENT WITHOUT ADVERSE IMPACT ON THE ENVIRONMENT (I)?

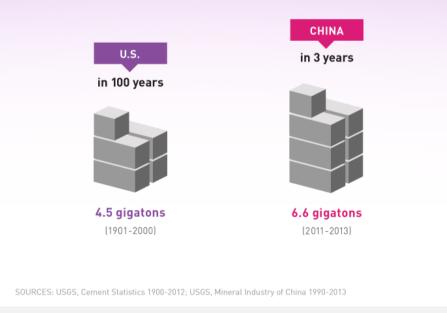
• from Vaclav Smil





- Cement production is the biggest user of fossil fuels (after steel)....
- From Vaclav Smil

China used more cement in the last three years than the U.S. used in the entire 20th century.

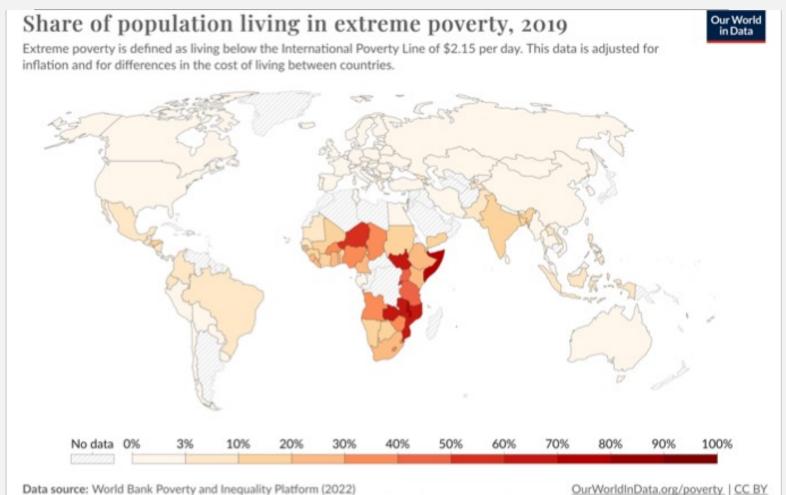


SOME QUESTIONS - I

- Why are some countries Rich and others Poor?
- a) What policy would you recommend the government of Equatorial Guinea to enact so that it becomes more like Botswana?
- b) Why has it not already enacted such policies?
- Political Economy of Policymaking. Why do governments often enact policies that they know to be inefficient?

SOME QUESTIONS - II

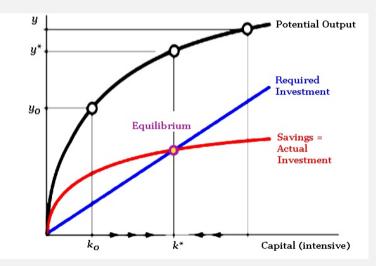
- Political Economy of Policymaking. Why do governments often enact policies that they know to be inefficient?
- Corruption: Why are some countries corrupt and not others? Why is corruption so hard to tackle? Any suggestions?



Note: This data is expressed in international-\$1 at 2017 prices. Depending on the country and year, it relates to income measured after taxes and benefits, or to consumption, per capita².

ECONOMIC GROWTH: SOLOW MODEL (A QUICK RECAPITULATION)

- Y = A F(K, L)
 - A = Ideas (assumed to be (i) public good (ii) exogenous)
 - K = Physical Capital
 - L = Labor
- Implications:
- GDP per capita is a function of
- (i) Savings/Investment (+)
- (ii) Human Capital (+)
- (iii) Population Growth (-)



https://www.nobelprize.org/prizes/economic-sciences/1987/solow/lecture/

SOLOW MODEL: IMPLICATIONS (A QUICK RECAPITULATION)

- (i) Countries with lower capita income grow faster.
- (ii) Growth slows over time as countries get richer → In the long run, all the countries with the same parameters, but different initial capital stock reach to the same GDP per capita.
 Convergence...
- (iii) Sustained economic growth requires sustained technological progress...
- (iv) ...

ALSO RAISED MANY QUESTIONS...

SOLOW MODEL: IMPLICATIONS (A QUICK RECAPITULATION)

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ALSO RAISED MANY QUESTIONS...

• (v) Could it be Culture? e.g. Victorian values??

(i) Work hard and save (ii) Study hard (human K) (iii) Don't have Sex! (i.e. limit childbearing)

(vi) Productivity/ideas were treated as exogenous to the model. But...much of growth is about growth in ideas. And most Idea generations takes place as R&D in firms...(OECD ~60-80%)

-- Ideas are non-rivalrous and cannot be produced in competitive markets since marginal cost is zero (some monopoly power required to profit from ideas)... (PAUL ROMER)

-- Ideas create spillovers! Universities, Patents, Human K in Research, trade, market size and role of Rules, Equality before the law,....



• Bob Solow

https://www.nobelprize.org/prizes/economic-sciences/19

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Quote Lookup

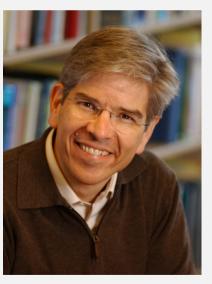
- Paul Romer
- https://www.nobelprize.org/prizes/economic-sciences/



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movements and is indicative. 67% of retail investor accounts lose money when trading CFDs with this provide You should consider whether you can afford to take the high risk of losing you

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CORRELATES OR FUNDAMENTAL CAUSES? GROWTH OVER LAST 200 YEARS

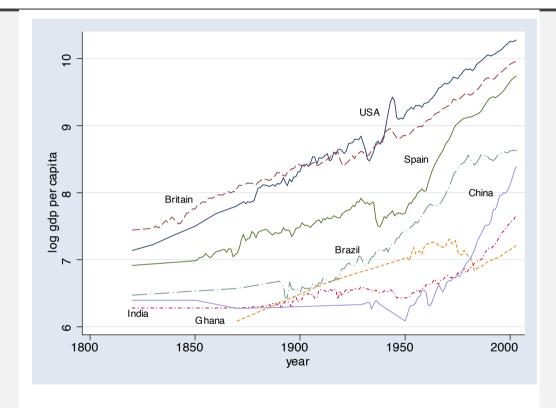
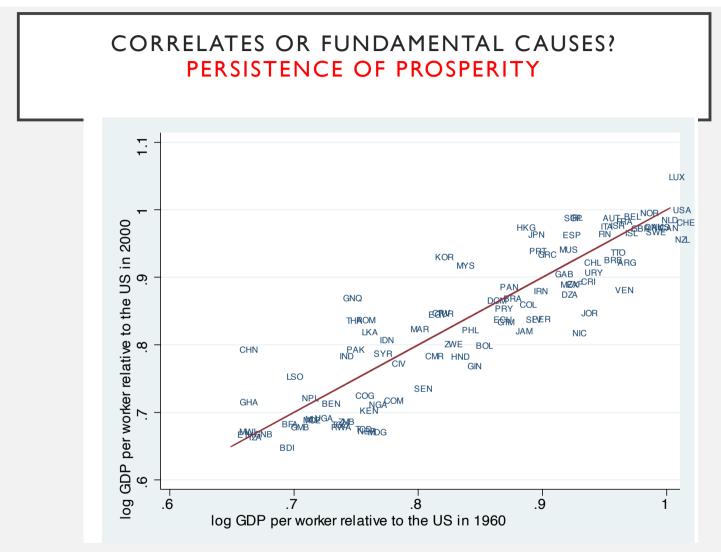


Figure: Evolution of income per capita in various countries.

• Correlates of economic growth: Physical K, Human K and technology......



• Correlates of economic growth: Physical K, Human K and technology......

CORRELATES OR FUNDAMENTAL CAUSES? ECONOMIC GROWTH & INCOME DIFFERENCES

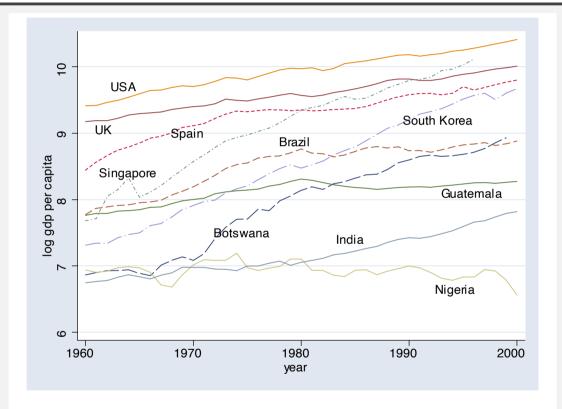


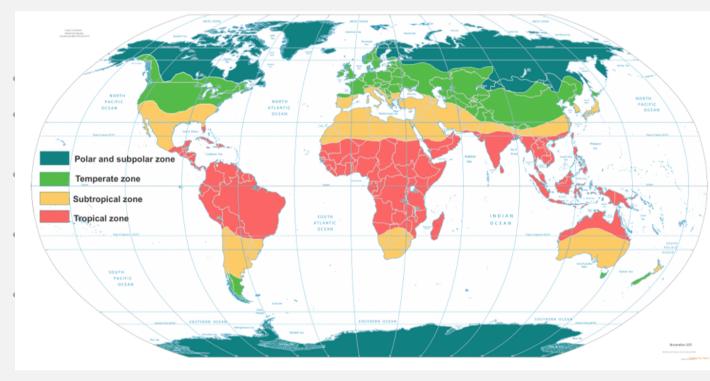
Figure: The evolution of income per capita 1960-2000.

WHY SOME RICH AND OTHERS POOR? PROXIMATE OR FUNDAMENTAL FACTORS

- Questions raised:
- Why do certain societies fail to improve their technologies, invest more in physical capital, and accumulate more human capital?
- How did South Korea and Singapore manage to grow, while Nigeria failed to take advantage of the growth opportunities?
- If physical capital accumulation is so important, why did Nigeria not invest more in physical capital?
- If education is so important, why our education levels in Nigeria still so low and why is existing human capital not being used more effectively?
- Proximate versus Fundamental Causes.

Search ...

WHY SOME RICH AND OTHERS POOR: IS IT GEOGRAPHY?



• Proximate versus Fundamental Causes.

SEARCH

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WHY SOME RICH AND OTHERS POOR: IS IT INSTITUTIONS?



WHY SOME RICH AND OTHERS POOR: IS IT CULTURE?

