

| | GDP pc 1960 | GDP pc 2010 | Annual Growth |
|---------------|----------------|----------------|------------------|
| United States | 15,398 | 41,365 | 2.00% |
| UK | 11,204 | 34,268 | 2.26% |
| France | 10,212 | 31,299 | 2.27% |
| Spain | 6,316 | 27,332 | 2.97% |
| Greece | 534 | 26,918 | 8.16% |
| South Korea | 1,656 | 26,609 | 5.71% |
| Singapore | 4,383 | 55,862 | 5.22% |
| China | 772 | 7,746 | 4.72% |
| India | 720 | 3,477 | 3.20% |
| Haiti | 1,513 | 1,410 | -0.14% |
| D. R. Congo | 696 | 241 | -2.10% |

World distribution of average growth rates > GDP Growth Total Includes Countries Guatemala, Iran. 35 Mexico Includes France, Spain, UK, USA 30 Includes Ghana, 25 Kenya, Rwanda Includes 20 Ireland, Japan Includes 15 Haiti. Includes Central African Botswana Includes 10 Republic, Singapore, China, Nicaragua S. Korea Malaysia 5 Thailand Includes D.R. Congo <(-1)% (-1)-0% 0-1% 1-2% 2-3% 3-4% 4-5% >5% Income 10 © 2019-23 Kosmas Marinakis, SMU

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Sustained vs. Catch-up growth 🤑

> GDP Growth

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- * There are 2 entirely different processes of economic growth:
- 1. <u>Sustained growth</u>: sourced in the country's own advancement:
 - From technological innovation and development in human capital
 - ► Those grow *slowly* but can keep improving *forever*.
- 2. <u>Catch-up growth</u>: due to *technological spillovers* from *more developed countries*:
 - a) Because of abundance of local underutilized human capital
 - b) Because of influx of *foreign investment*
 - c) Because of supporting foreign investment by developing *infrastructure* and improving local *efficiency of labor*.
- * Not all economies in the world were able to experience catch-up growth

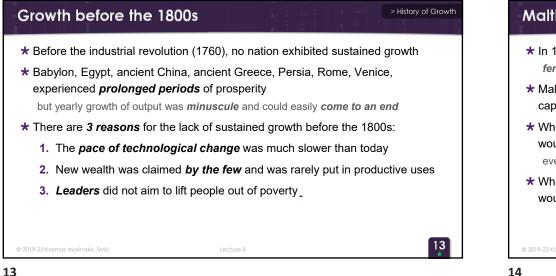
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Malthusian limits to growth 🌗

- In 1798, Thomas Malthus published his theory about *fertility fertility*: the number of children per woman
- * Malthus observed that *fertility would adjust* so that income per capita would always remain close to the *subsistence level*
- When GDP pc climbed <u>above the subsistence level</u>, people would use it to have *more kids*, lowering GDP pc back to subsistence even till recently, children was the main source of *cheap labor* for the family
- ★ When the GDP pc fell <u>below the subsistence level</u>, famine, child mortality or war would decrease the **population**, increasing GDP pc back to subsistence

> History of Growth

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> History of Growth

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Breaking away from the Malthusian cycle

- The Malthusian model was a good representation for population till the 1800s still is for non-human populations (e.g. locust swarms, wild rabbits, pigeons, rats)
- * Before 1800, most labor was employed on the production of *necessities*
- ★ <u>After 1800</u>, *technology* freed a large portion of workers from the production of necessities allowing them to move to *other more productive sectors*:
 - This boosted economic growth to unprecedented levels
 - Caused the *demographic transition* to the *urban economy* as we know it today.
- * Modern families *did not rely* on the labor of children for prosperity:

* Technology enabled humanity to break away from the Malthusian cycle

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Prosperity in the future

★ The most developed countries of <u>today</u>, were the ones that actively **participated** in the Industrial Revolution 250 years ago

US, UK, Germany, France, The Netherlands, Belgium, Canada, Japan etc.

- * The prosperous countries of the <u>future</u> will be the ones that *invest in the future*:
 - ▶ Research and development of new *technology*
 - ▶ Train their *human capital* for the challenges of the future.

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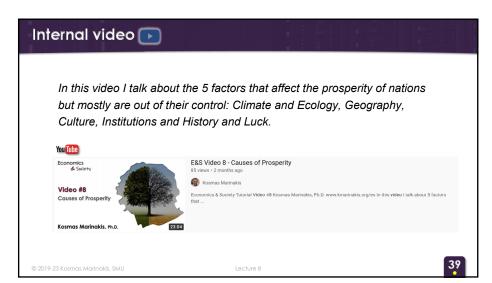
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> History of Growth

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External video 🕟

A short but really interesting video on why Africa is still poor and the effect of "End Poverty in Africa" initiatives from the wealthier parts of the world.

| You Tube | | |
|---------------------------------|--|--|
| | Why Is Africa Still In Poverty? 268K views - 7 years ago ♣ Al+ ♥ | |
| 100 E | #powry #blica #powrtyinafrica Like us on Facebook: https://www.facebook.com/ajpluereglish Dowrload the A.H. app at | |
| | | |
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