Invisible Sectors:



How Poor Levels of Human Capitar Threaten the Rise of Asian Economies

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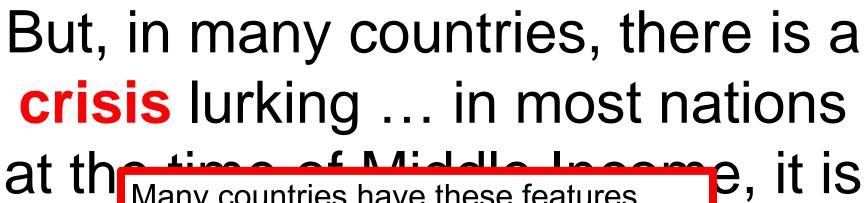
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The rise of Asia

- Most of Asia, especially East, Southeast and South Asia, are growing
- A majority of the nations are now somewhere inside a bracket known as "Middle Income"
- The goal of everyone of these countries is to continue their climb into Upper Middle Income and onto High Income!

But, in many countries, there is a **crisis** lurking ... in most nations at the time of Middle Income, it is still quite INVISIBLE

- There are many "things" that are needed to continue to climb through middle income and escape the middle income trap and become a high income country
 - Good Macro Policies
 - High quality Infrastructure
 - Export Success



at the time of Middle Income Many countries have these features ... or are working on improving them ...

The Of course, some don't and have challenges in the coming years to to c provide them ...

eded

income and escape the middle income trap and become a high income country

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There is much less discussion of this ... because it is something that can take decades to create ... and it is an element that initially has a low rate of return (though its rate of return is super high in the long run

Today's presentation

• Show the importance of human capital for being able to graduate from middle income ...

- Look at the case of China
 - To be clear, China is still middle income ... and there are HUGE CHALLENGES for China to face before they will be able to "graduate" to high income
- Some lessons for other Asian Countries

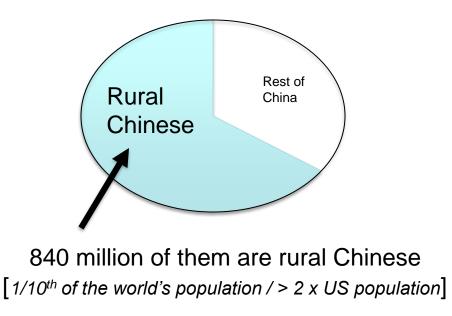
What is the Invisible China?

The "Invisible China" is easy to define.

Invisible China = Rural China.

It's the place where most of the people in China are from.

China's population is now 1.4 billion people.



Who are these 840 million people?

They are the workers





They are the self employed service workers

They run the farms



Who are these 840 million people?

They are the elderly left in the villages



They are the children left in the villages

They are the families in migrant communities





When I first started working in China, more than 85% of Chinese lived in rural communities and even a higher percentage had families (grand parents an brothers and sisters) that were farming or working in rural factories.



In thos Studen govern these f: **Rural China was NOT invisible 30 to 40 years ago**

went back-and-forth between their city lives and their immediate families in their home-villages.

When one went across country, the buses had to traverse the countryside on the nation poorly developed road system and people would stop at night in small village guest houses and eat farm house restaurants.



But, today, it is so different.

Less than 5% of students in elite universities in China have rural roots.

If you don't fly across the country ...

... you get on a high speed rail at 350 km/hour!

At those heights and speeds it's almost impossible to even take a picture of a farm field or village road. The media, both China and international, focuses on what is happening in Shanghai and Beijing and Shenzhen. We get almost no glimpse of how the other two-thirds of China lives and works and grows up.



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Scott in rural China, circa 1988









Scott in rural China today

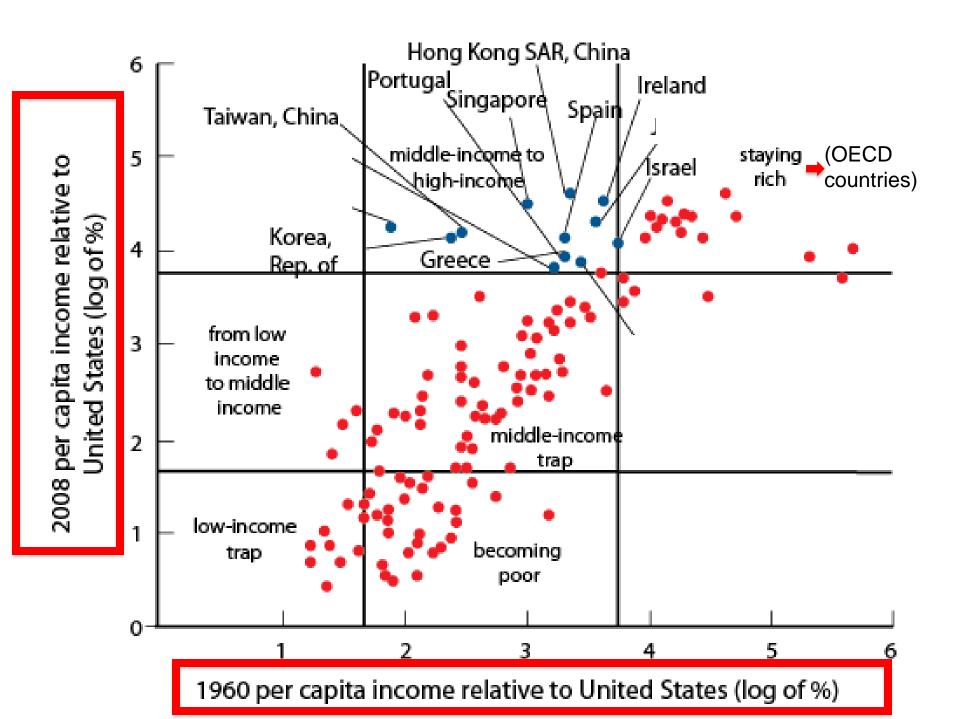


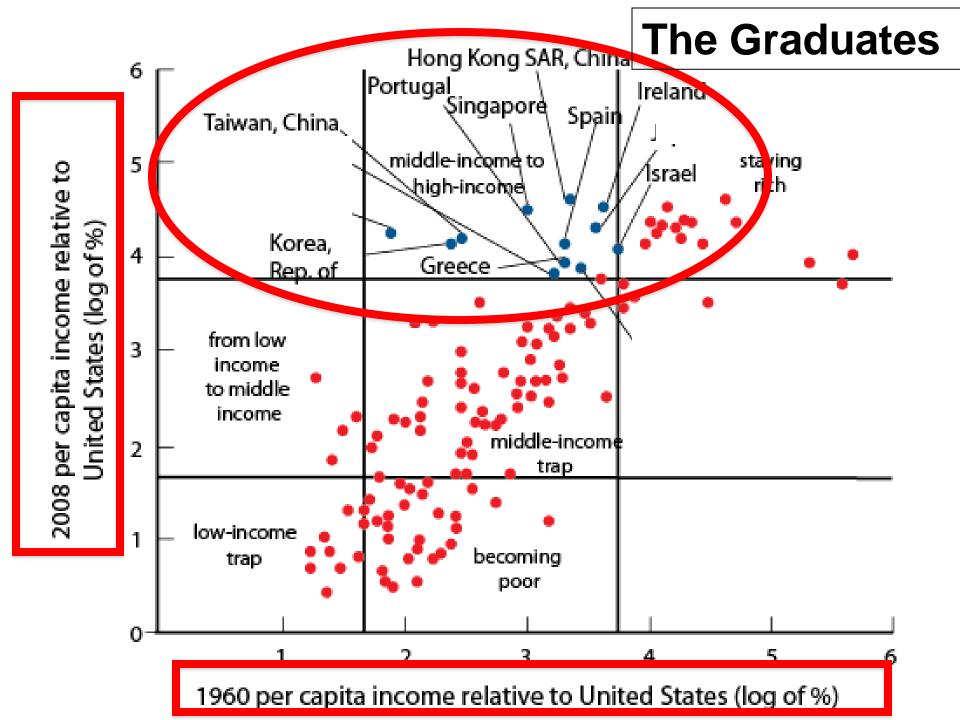
Part 1:

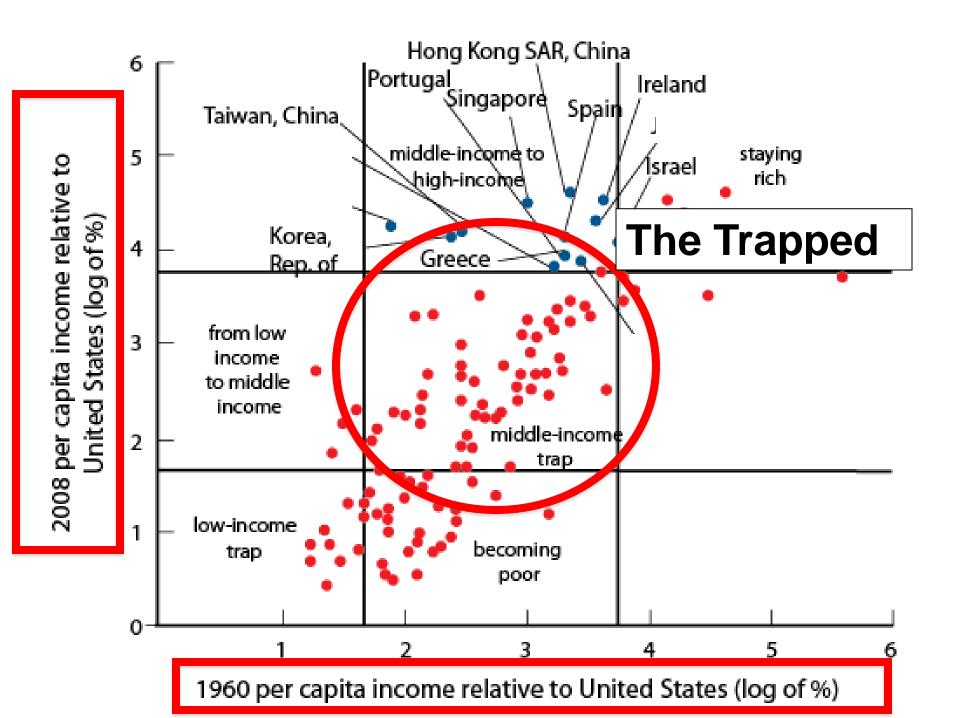
"Theory"

So how does the poor human capital in certain sectors of the economy of Asian Nation's threaten the rise in those countries?

The theory of why: the *Invisible China* threaten China's rise?







One fundamental difference between the Graduates and the Trapped

• At the time of middle income, the levels of human capital (think levels of education) of the ENTIRE labor force need to be high ...

Why is this important?

•When a country moves from middle-income to higher income, wages rise fast and the nature of work changes from "low wage, low skill" to "high wage, high skill." If a large share of the labor force is NOT able to participate

Polarization (demand side problems) & low productivity (supply side problems)

high unemployment/high crime/social unrest & low productivity and poor investment climate

→ stagnation

Country

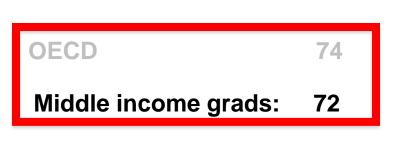
Share in 2010



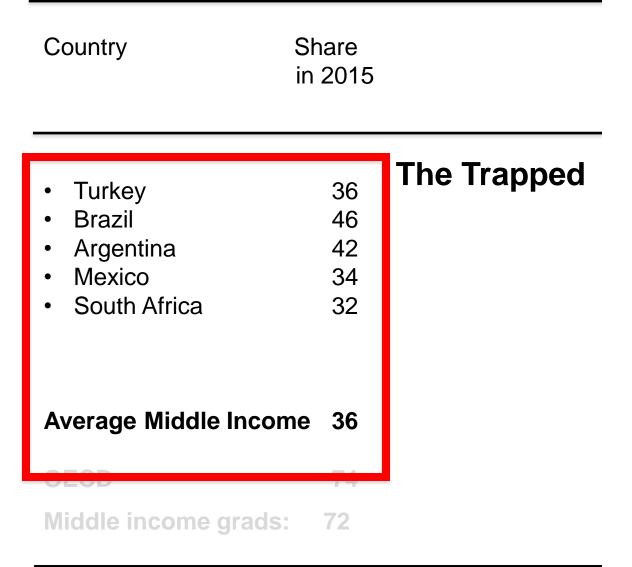
In Developed Countries, between Seven to Eight out of Ten Individuals in the Labor Force has been to High School

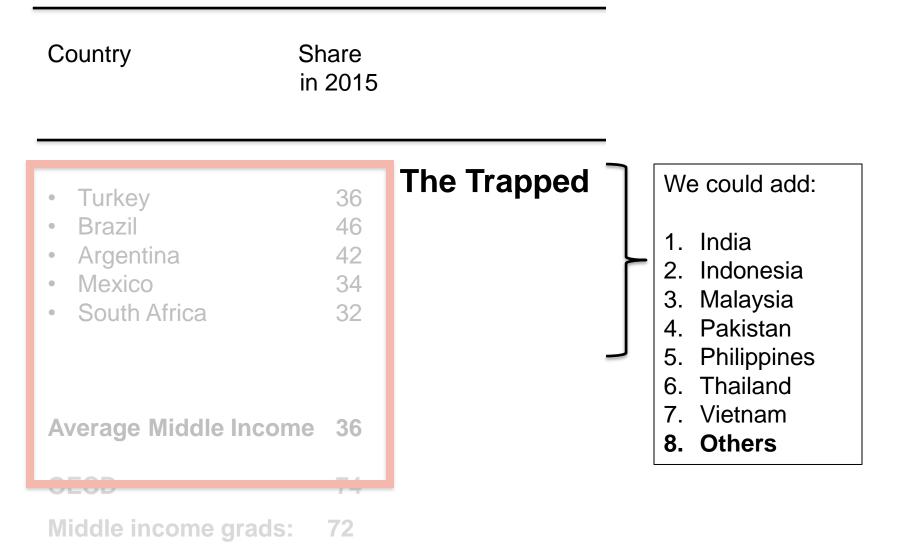
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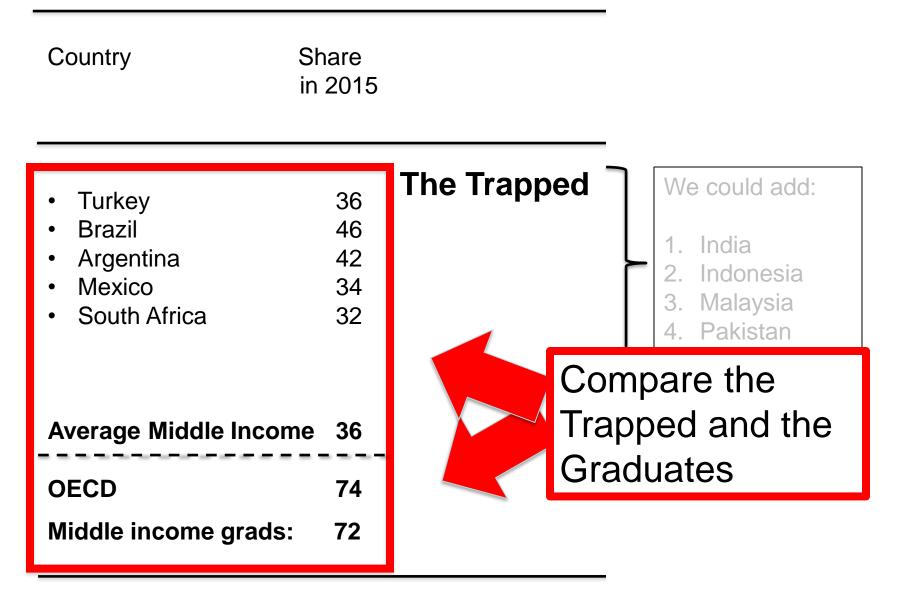
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When they were middle income countries, their levels of education were almost as high as developed countries (which they have now become ...)







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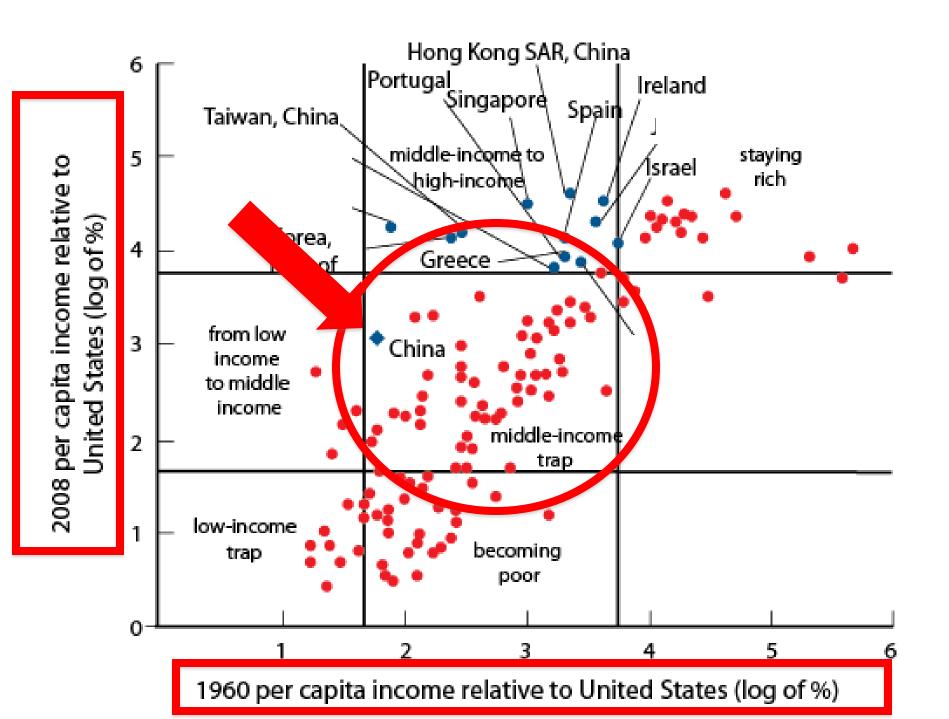
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➔polarization (demand side problems, for example, high unemployment/rise of informality/high crime/social unrest

➔low productivity (supply side problems, e.g., poor investment climate/absence of qualified workers

→ Stagnation → more polorization → etc.

Part 2: Now lets look at a case study of China



Summarizing above ...

While all kids do not need to go to college, all children should be going to high school

This is critical at this stage of development to get all children the skills they will need in the future: Where is China?

 Actually: China has the lowest levels of human capital in the middle income world! Summarizing above ...

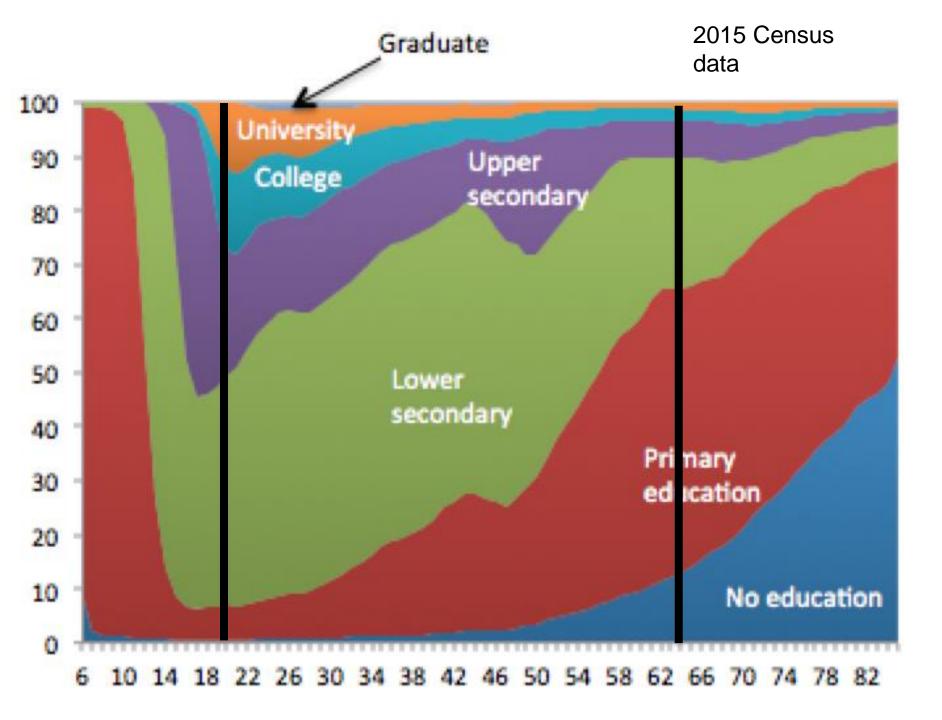
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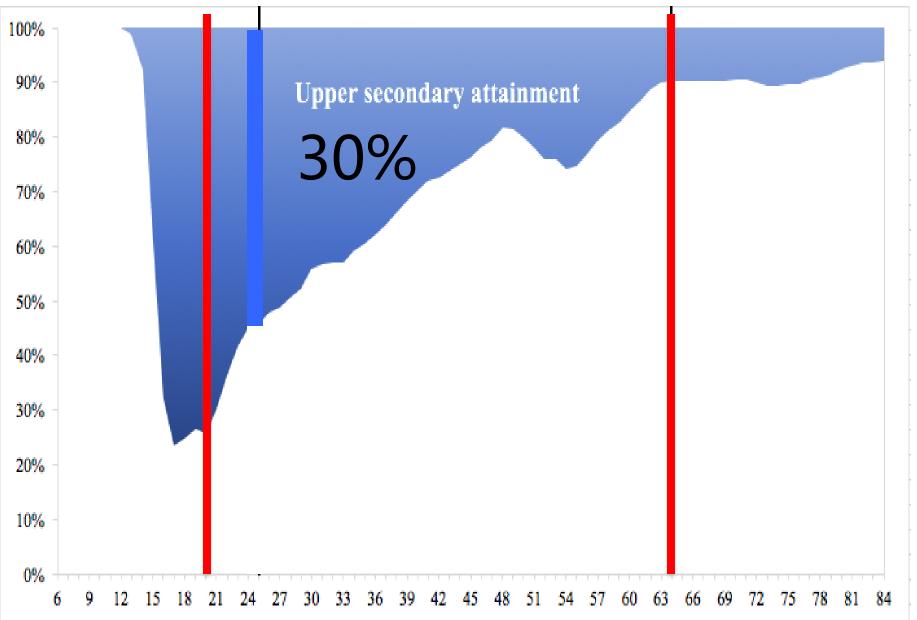
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2015 Micro-Census



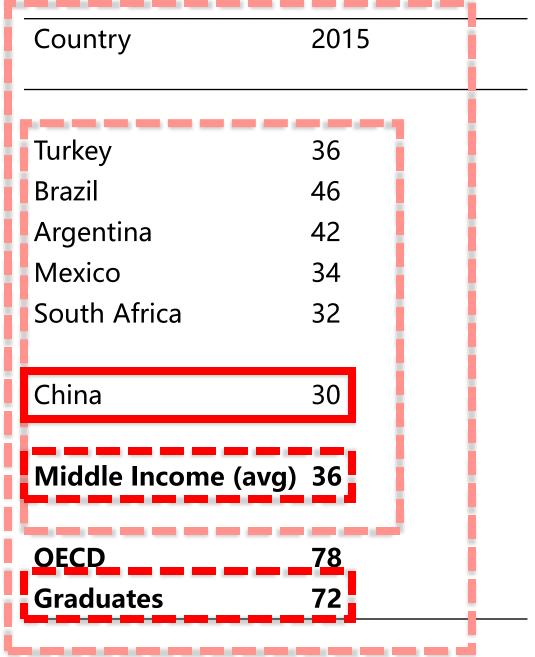
Today's Labor Force

Upper Secondary Attainment = 30%

Total Labor Force

How does that compare to the rest of the world?

Middle Income Countries Human Capital Crisis



What does this mean?

➔ If only 30% of those in the labor force have graduated from high school ...

... this means that 70% of those in the labor force are "high school drop-outs"!!

What does this mean?

Why is this a problem?

→ If In a high income country, such as the US, if an individuals is a high school drop out ... does not have skills in math, science, computers, language ... then the probability of him/her having these conditions:

- In jail
- Unemployed
- On welfare
- Disabled
- O Homeless

Is 5 times the probability that he/she is living:

- Middle-income life

So is there any evidence that this affecting China's economy?

Lets look at two key indicators:

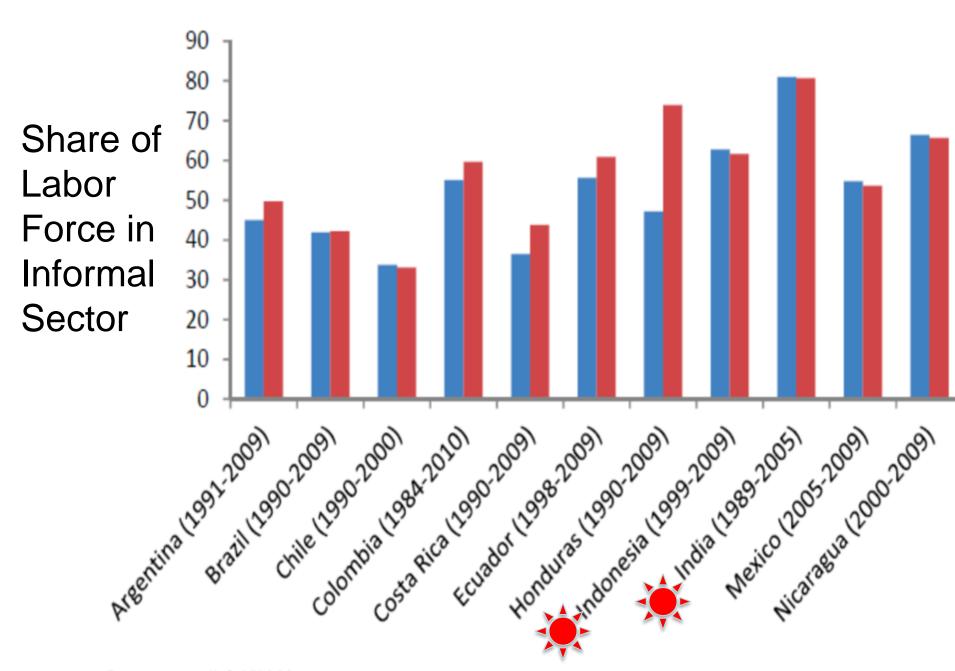
• Employment

• Wages

Using data/statistics from the government of China

Lets answer your questions now!

What happens when a large share of the labor forces sinks into the informal economy?



Data source: ILO KILM



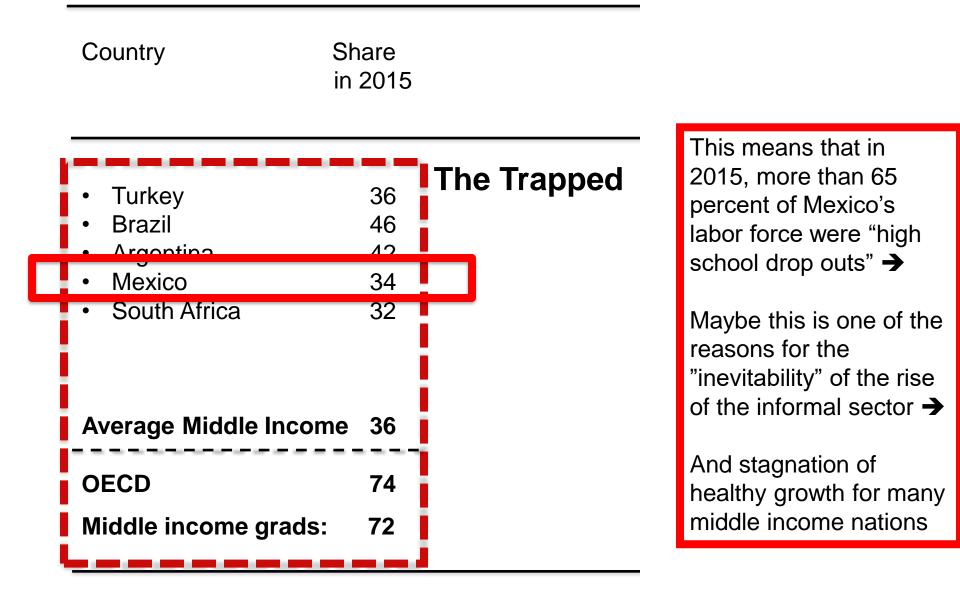


Recent talk by Santiago Levy (IADB)



In this lecture, Dr. Levy elaborated on what he calls a Mexican paradox. He explained that Mexico demonstrates "solid macroeconomic performance, export success and accumulation of physical capital ... but very little growth." He went on the ask the audience, "Why? Productivity has stagnated. Is that because the informal sector is too large? What explains persistent informality and stagnating productivity?"

Share of Labor Force that Attained Upper Secondary Education, Middle Income Countries



There are so many people today that listen to the argument that we are making in this book and say:

"Hasn't China already made it?"

But, remember, what they said about Mexico in the late 1980s ... when the country was allowed to enter OECD (because Mexico was supposed to become a high-income country)... Mexico was called:

"The next Taiwan!"

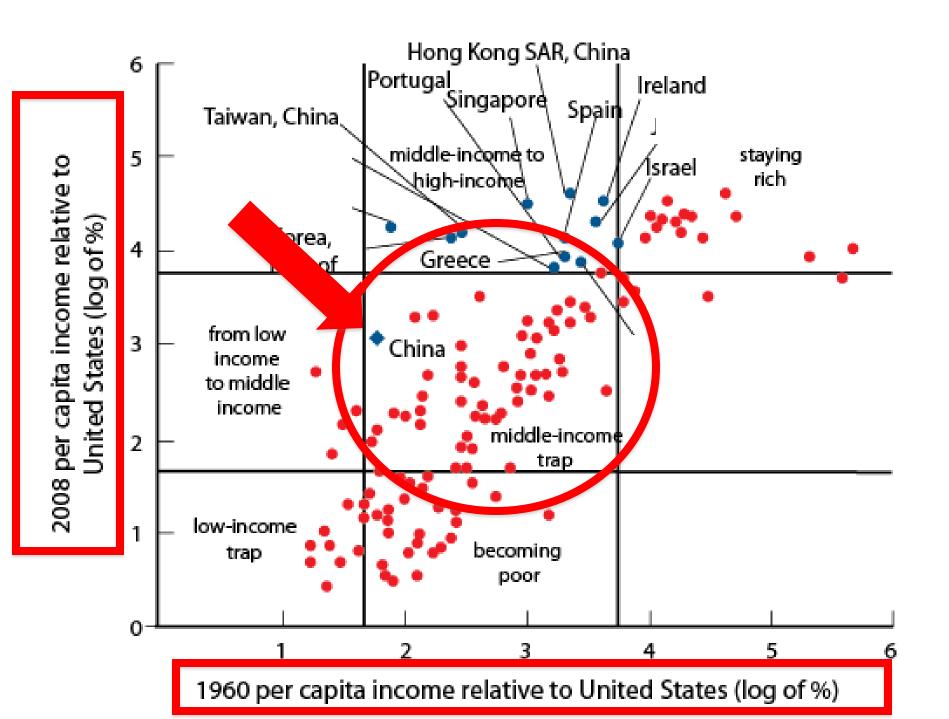
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So where is China in this human capital world of nations?



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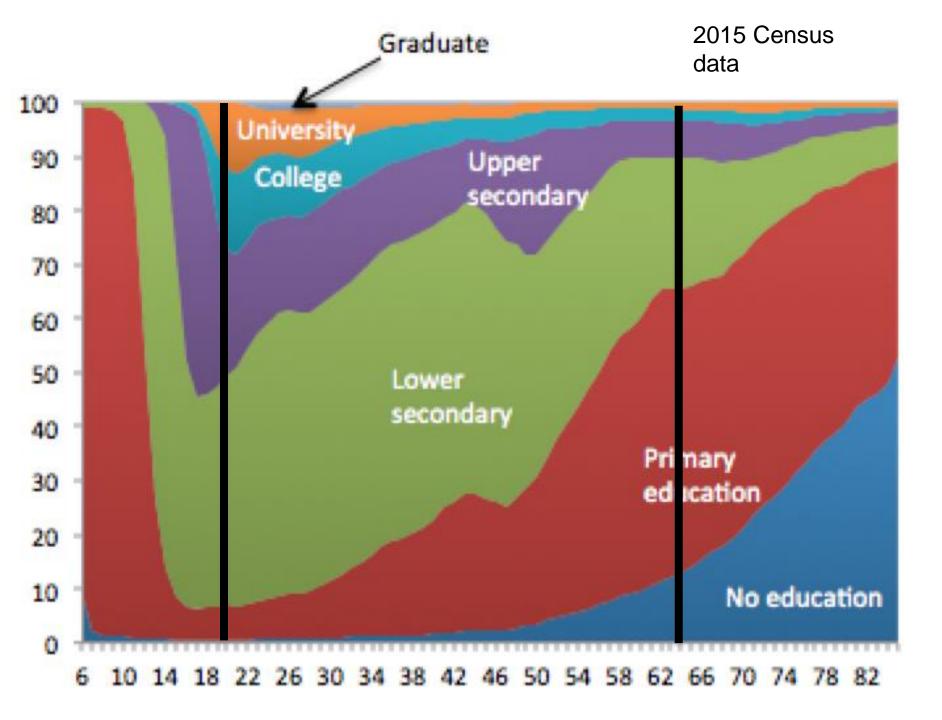
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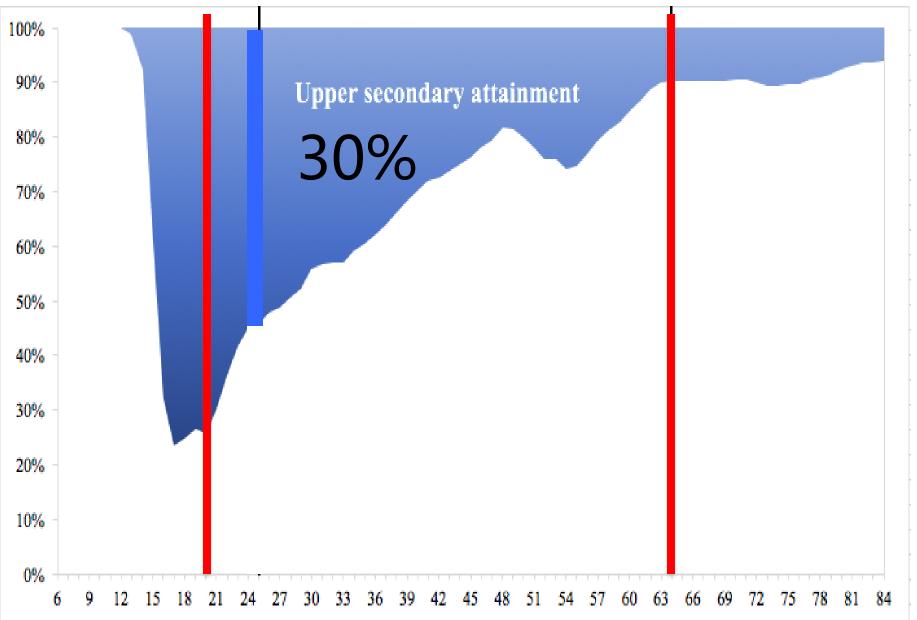
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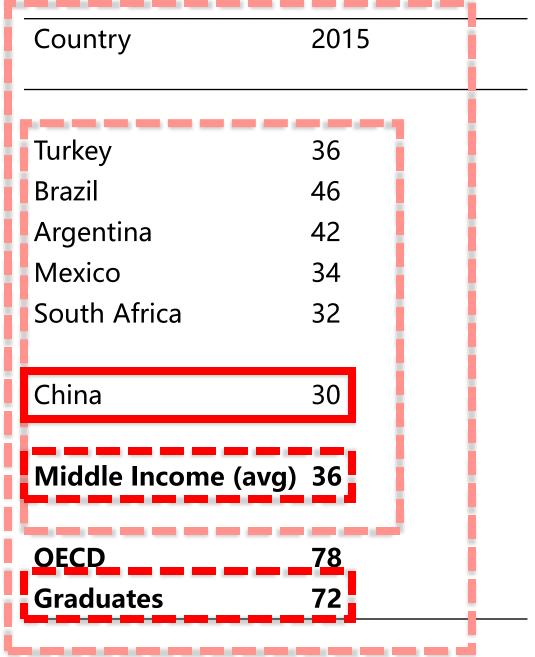
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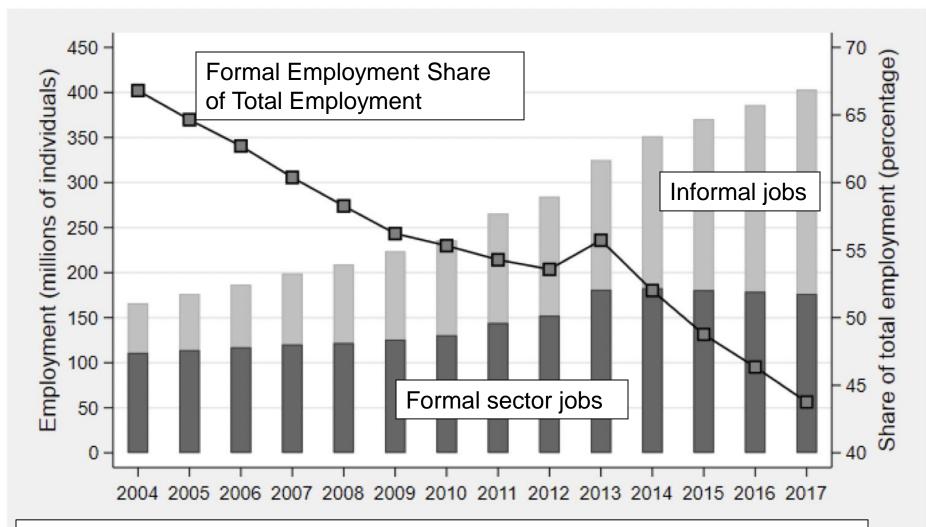
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• Employment

• Wages

Using data/statistics from the government of China

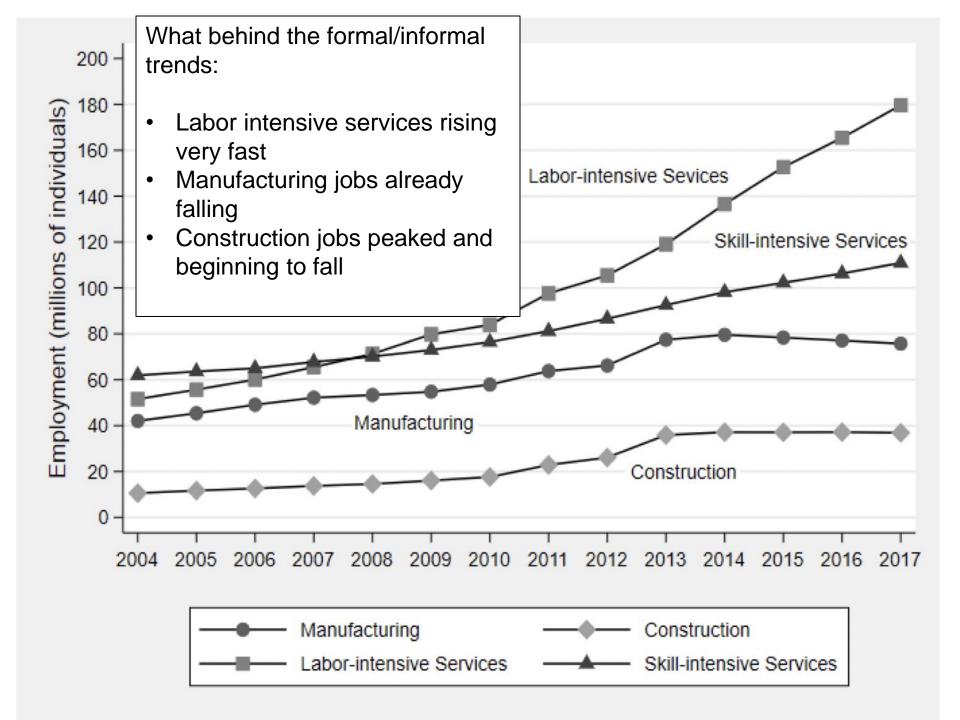
Figure 5: Urban Formal and Informal Sub-economy Employment in China, 2004–2017



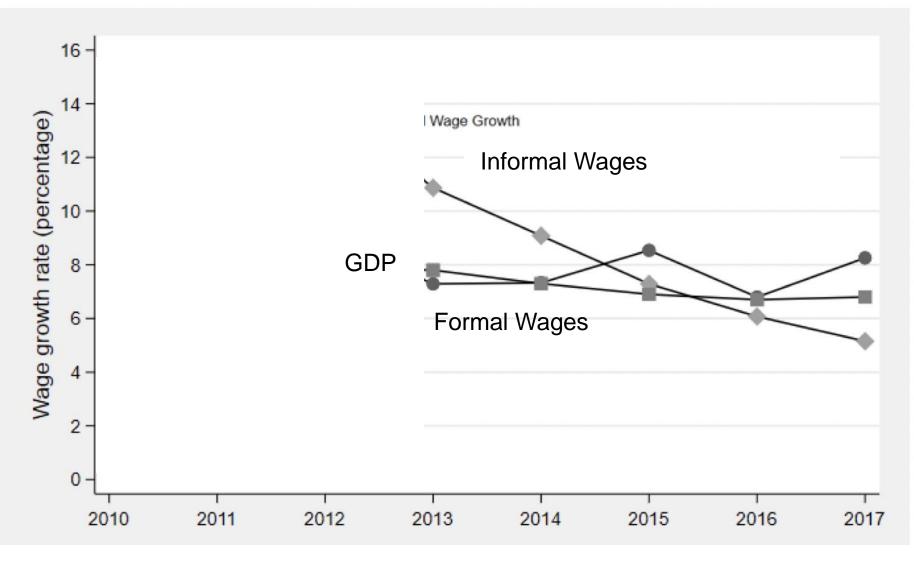
Summary of trends:

- Jobs in formal economy have dropped from 67% in 2004 to 44% in 2017
- Informal sector now accounts for 56% of all jobs in the urban sector

Data source: China's National Bureau of Statistics



Real Growth Rates of Average Annual Wages (by Skill) and GDP in China, 2013 -2017



Data Source: China National Bureau of Statistics

Real Growth Rate of Wages, by Skill Type 2013-2017

able 1: Average Real Growth Rates of Wages in China by Skill Type		
Average Annual Growth Rate	Formal Skill-intensive Wages	Informal Labor-intensive Wages
2010 2014	7.75%	10.60%
2015 2017	9.07%	6.02%
Change (percentage points)	1.32	-4.66

Summary of Employment & Wages

- Employment in China's economy is only growing in two (2) sectors
 - 1. High skill / high wage / professional sector
 - Growth rates of wages are rising
 - 2. Informal economy (low skill / low wage / no benefits)
 - Growth rates of wages are falling

Why are wages falling? Rising supply of informal workers \rightarrow employment in all other sectors—manufacturing, construction, agriculture—is falling ... these laid off workers and most new entrants only have one option: informal / low-skill / service sector \rightarrow supply > demand means wages fall [data source: China NBS]

What is driving these trends ...

... should we expect more in the future?

Robots / automation





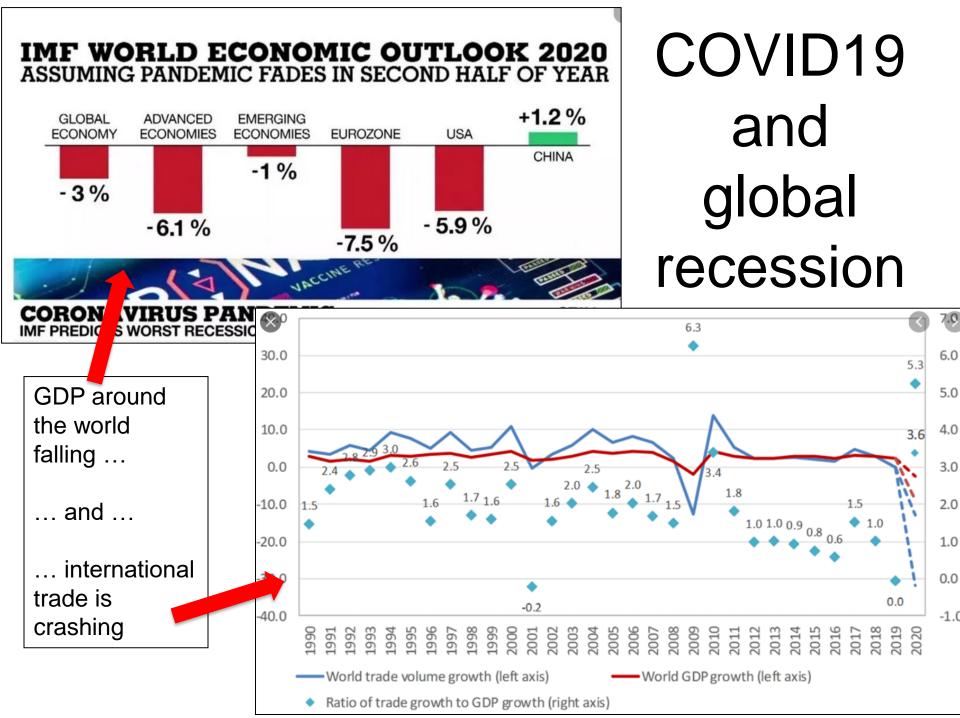
Globalization



Chinese firms move to Bangladesh

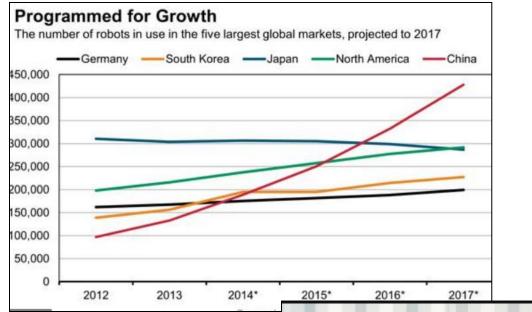
SAMSUNG ELECTRONICS VIETNAM

SEV IS PROUD TO BE THE BIGGEST MOBILE FACTORY IN THE WORLD



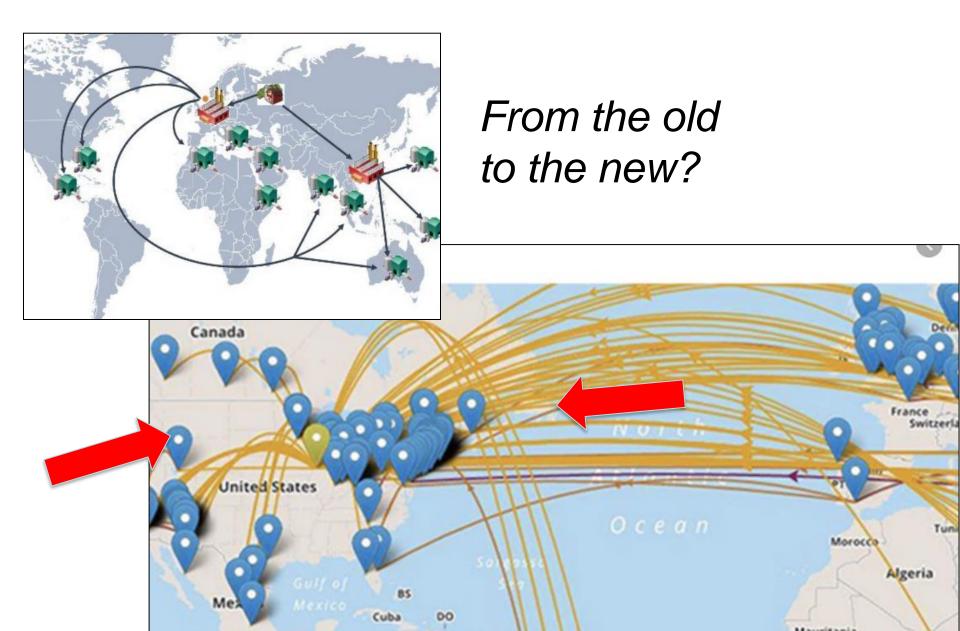
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... should we expect more in the future?





Global supply chain shifts?



What is driving these trends ...

... should we expect more in the future?

Maybe?

Probably?

Part 3: Lessons for Asia

- Human capital (of the entire labor force, 16-65) is IMPORTANT
- Must start early (even when returns to education at the high school level maybe low ... they are higher later)
- How to do it?
 - Invest in education
 - Invest in health
 - Invest in Early Childhood Development

Thanks you for listening ...

... comments always welcome!



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Thank You!



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