



Hans Rosling: Asia's rise - how and when

Talare

Hans Rosling
Läkare, professor

Datum

22 november 2009

Plats

Mysore, Indien

1

Once upon a time, at the age of 24, I was a student at St. John's Medical College
5 in Bangalore. I was a guest student during one month of a public health course.
And that changed my mindset forever. The course was good, but it was not the
course content in itself that changed the mindset. It was the brutal realization,
the first morning, that the Indian students were better than me.

10 You see, I was a study nerd. I loved statistics from a young age. And I studied
very much in Sweden. I used to be in the upper quarter of all courses I attended.
But in St. John's, I was in the lower quarter. And the fact was that Indian
students studied harder than we did in Sweden. They read the textbook twice,
or three times or four times. In Sweden we read it once and then we went
15 partying.

And that, to me, that personal experience was the first time in my life that the
mindset I grew up with was changed. And I realized that perhaps the Western
world will not continue to dominate the world forever. And I think many of
20 you have the same sort of personal experience. It's that realization of someone
you meet that really made you change your ideas about the world. It's not the
statistics, although I tried to make it funny.

And I will now, here, onstage, try to predict when that will happen — that Asia
25 will regain its dominant position as the leading part of the world, as it used to
be, over thousands of years. And I will do that by trying to predict precisely at
what year the average income per person in India, in China, will reach that of
the West. And I don't mean the whole economy, because to grow an economy
of India to the size of U.K. — that's a piece of cake, with one billion people. But
30 I want to see when will the average pay, the money for each person, per month,

in India and China, when will that have reached that of U.K. and the United States?

35 But I will start with a historical background. And you can see my map if I get it up here. You know? I will start at 1858. 1858 was a year of great technological advancement in the West. That was the year when Queen Victoria was able, for the first time, to communicate with President Buchanan, through the Transatlantic Telegraphic Cable. And they were the first to "Twitter"
40 transatlantically. And I've been able, through this wonderful Google and Internet, to find the text of the telegram sent back from President Buchanan to Queen Victoria. And it ends like this: "This telegraph is a fantastic instrument to diffuse religion, civilization, liberty and law throughout the world."

45 Those are nice words. But I got sort of curious of what he meant with liberty, and liberty for whom. And we will think about that when we look at the wider picture of the world in 1858. Because 1858 was also watershed year in the history of Asia. 1858 was the year when the courageous uprising against the foreign occupation of India was defeated by the British forces. And India was
50 up to 89 years more of foreign domination.

1858 in China was the victory in the Opium War by the British forces. And that meant that foreigners, as it said in the treaty, were allowed to trade freely in China. It meant paying with opium for Chinese goods.

55 And 1858 in Japan was the year when Japan had to sign the Harris Treaty and accept trade on favorable condition for the U.S. And they were threatened by those black ships there, that had been in Tokyo harbor over the last year. But, Japan, in contrast to India and China, maintained its national sovereignty.

60 And let's see how much difference that can make. And I will do that by bringing these bubbles back to a Gapminder graph here, where you can see each bubble is a country. The size of the bubble here is the population. On this axis, as I used to have income per person in comparable dollar. And on that axis I
65 have life expectancy, the health of people. And I also bring an innovation here. I have transformed the laser beam into an ecological, recyclable version here, in green India.

And we will see, you know. Look here, 1858, India was here, China was here,

Japan was there, United States and United Kingdom was richer over there. And I will start the world like this. India was not always like this level. Actually if we go back into the historical record, there was a time hundreds of years ago when the income per person in India and China was even above that of Europe. But
75 1850 had already been many, many years of foreign domination, and India had been de-industrialized. And you can see that the countries who were growing their economy was United States and United Kingdom. And they were also, by the end of the century, getting healthy, and Japan was starting to catch up. India was trying down here. Can you see how it starts to move there? But really,
80 really natural sovereignty was good for Japan. And Japan is trying to move up there.

And it's the new century now. Health is getting better, United Kingdom, United States. But careful now — we are approaching the First World War.
85 And the First World War, you know, we'll see a lot of deaths and economical problems here. United Kingdom is going down. And now comes the Spanish flu also. And then after the First World War, they continue up. Still under foreign domination, and without sovereignty, India and China are down in the corner. Not much has happened. They have grown their population but not
90 much more. In the 1930's now, you can see that Japan is going to a period of war, with lower life expectancy. And the Second World War was really a terrible event, also economically for Japan. But they did recover quite fast afterwards. And we are moving into the new world. In 1947 India finally gained its independence. And they could raise the Indian flag and become a sovereign
95 nation, but in very big difficulties down there.

In 1949 we saw the emergence of the modern China in a way which surprised the world. And what happened? What happens in the after independence? You can see that the health started to improve. Children started to go to school.
100 Health services were provided. This is the Great Leap Forward, when China fell down. It was central planning by Mao Tse Tung. China recovered. Then they said, "Nevermore, stupid central planning." But they went up here, and India was trying to follow. And they were catching up indeed. And both countries had the better health, but still a very low economy.

105

And we came to 1978, and Mao Tse Tung died, and a new guy turned up from the left. And it was Deng Xiaoping coming out here. And he said, "Doesn't matter if a cat is white or black, as long as it catches mice." Because catching

110 mice is what the two cats wanted to do. And you can see the two cats being
here, China and India, wanting to catch the mices over there, you know. And
they decided to go not only for health and education, but also starting to grow
their economy. And the market reformer was successful there. In '92 India
115 see that the similarity with India and China, in many ways, are greater than the
differences with them.

And here they march on. And will they catch up?

120 This is the big question today. There they are today.

Now what does it mean that the — the averages there — this is the average of
China. If I would split China, look here, Shanghai has already caught up.
Shanghai is already there. And it's healthier than the United States. But on the
125 other hand, Guizhou, one of the poorest inland provinces of China, is there.
And if I split Guizhou into urban and rural, the rural part of Guizhou goes
down there. You see this enormous inequity in China, in the midst of fast
economic growth.

130 And if I would also look at India, you have another type of inequity, actually, in
India. The geographical, macro-geographical difference is not so big. Uttar
Pradesh, the biggest of the states here, is poorer and has a lower health than the
rest of India. Kerala is flying on top there, matching United States in health, but
not in economy. And here, Maharashtra, with Mumbai, is forging forward.
135 Now in India, the big inequities are within the state, rather than between the
states. And that is not a bad thing, in itself. If you have a lot inequity, macro-
geographical inequities can be more difficult in the long term to deal with, than
if it is in the same area where you have a growth center relatively close to where
poor people are living.

140 No, there is one more inequity. Look there, United States. Oh, they broke my
frame. Washington, D.C. went out here. My friends at Gapminder wanted me
to show this because there is a new leader in Washington who is really
concerned about the health system. And I can understand him, because
145 Washington, D.C. is so rich over there but they are not as healthy as Kerala. It's
quite interesting, isn't it? I can see a business opportunity for Kerala, helping fix
the health system in the United States.

150 Now here we have the whole world. You have the legend down there. And
when you see the two giant cats here, pushing forward, you see that in between
them and ahead of them, is the whole emerging economies of the world, which
Thomas Friedman so correctly called the "flat world." You can see that in
health and education, a large part of the world population is putting forward,
155 but in Africa, and other parts, as in rural Guizhou in China, there is still people
with low health and very low economy. We have an enormous disparity in the
world. But most of the world in the middle are pushing forwards very fast.

Now, back to my projections. When will it catch up? I have to go back to very
160 conventional graph. I will show income per person on this axis instead, poor
down here, rich up there. And then time here, from 1858 I start the world. And
we shall see what will happen with these countries. You see, China under
foreign domination actually lowered their income and came down to the Indian
level here. Whereas U.K. and United States is getting richer and richer. And
165 after Second World War, United States is richer than U.K. But independence is
coming here. Growth is starting, economic reform. Growth is faster, and with
projection from IMF you can see where you expect them to be in 2014.

Now, the question is, "When will the catch up take place?" Look at, look at the
170 United States. Can you see the bubble? The bubbles, not my bubbles, but the
financial bubbles. That's the dot com bubble. This is the Lehman Brothers
doorstep there. You see it came down there. And it seems this is another rock
coming down there, you know. So they doesn't seem to go this way, these
countries. They seem to go in a more humble growth way, you know. And
175 people interested in growth are turning their eyes towards Asia.

I can compare to Japan. This is Japan coming up. You see, Japan did it like that.
We add Japan to it. And there is no doubt that fast catch up can take place. Can
you see here what Japan did? Japan did it like this, until full catch up, and then
180 they follow with the other high-income economies. But the real projections for
those ones, I would like to give it like this. Can be worse, can be better. It's
always difficult to predict, especially about the future. Now, a historian tells me
it's even more difficult to predict about the past.

185 I think I'm in a difficult position here. Inequalities in China and India I
consider really the big obstacle because to bring the entire population into

growth and prosperity is what will create a domestic market, what will avoid social instability, and which will make use of the entire capacity of the population. So, social investments in health, education and infrastructure, and electricity is really what is needed in India and China.

You know the climate. We have great international experts within India telling us that the climate is changing, and actions has to be taken, otherwise China and India would be the countries most to suffer from climate change. And I consider India and China the best partners in the world in a good global climate policy. But they ain't going to pay for what others, who have more money, have largely created, and I can agree on that.

But what I'm really worried about is war. Will the former rich countries really accept a completely changed world economy, and a shift of power away from where it has been the last 50 to 100 to 150 years, back to Asia? And will Asia be able to handle that new position of being in charge of being the most mighty, and the governors of the world? So, always avoid war, because that always pushes human beings backward. Now if these inequalities, climate and war can be avoided, get ready for a world in equity, because this is what seems to be happening.

And that vision that I got as a young student, 1972, that Indians can be much better than Swedes, is just about to happen. And it will happen precisely the year 2048 in the later part of the summer, in July, more precisely, the 27th of July. The 27th of July, 2048 is my 100th birthday. And I expect to speak in the first session of the 39th TED India. Get your bookings in time. Thank you very much.

Taggar
2000-tal, 2009, Man

URI
<https://www.svenskatal.se/tale/hans-rosling-asia-s-rise-how-and-when>