

Why Should We Teach Technological Entrepreneurship in Universities

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The world today

Struggling economies

Population growth problems

Wars and refugees

Austria **Israel**

Population (Million)

9

9

Median Age

43.5

30

**Life expectancy
at birth**

80

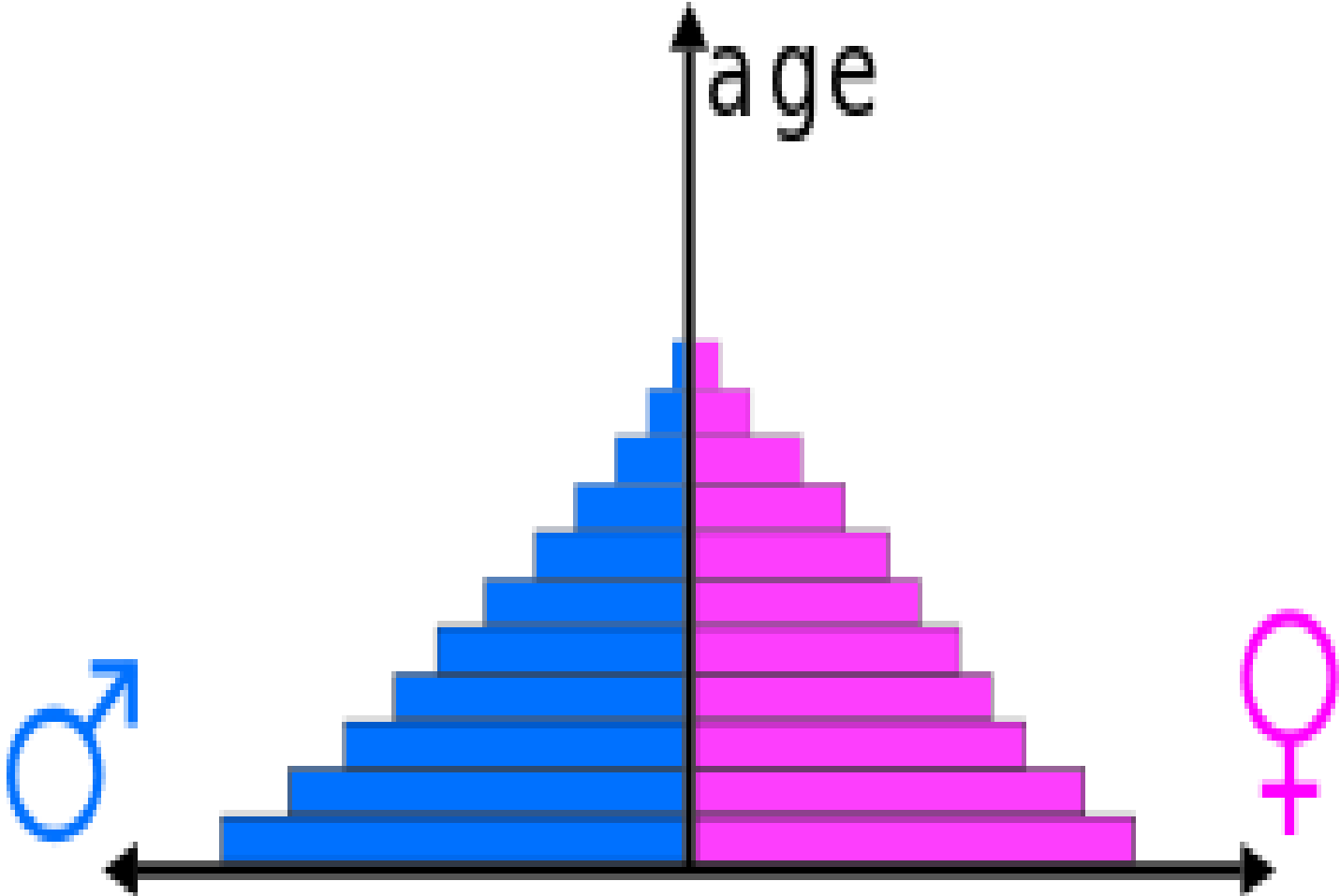
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GDP Per Capita (IMF)

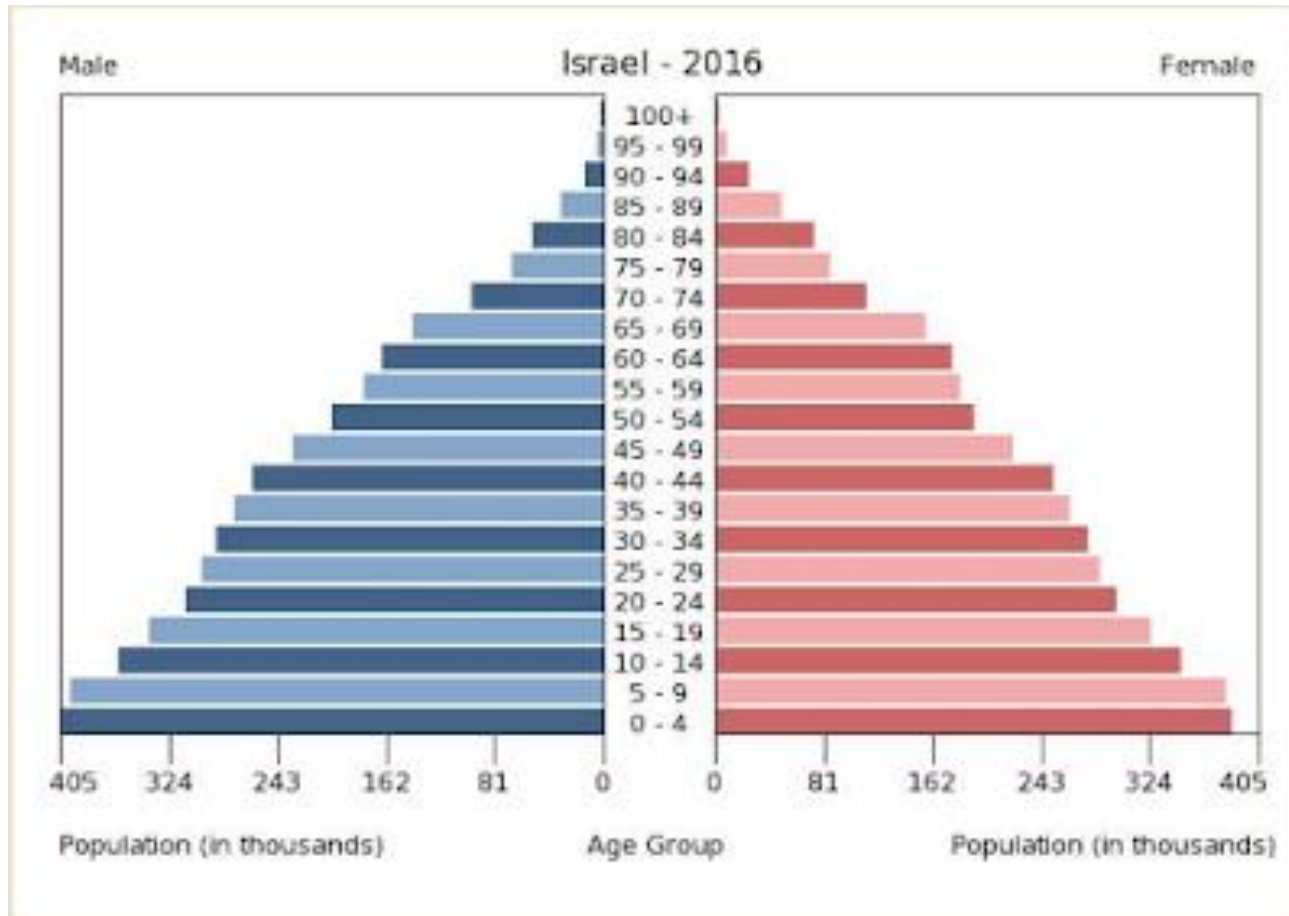
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50

Demographic Pyramid

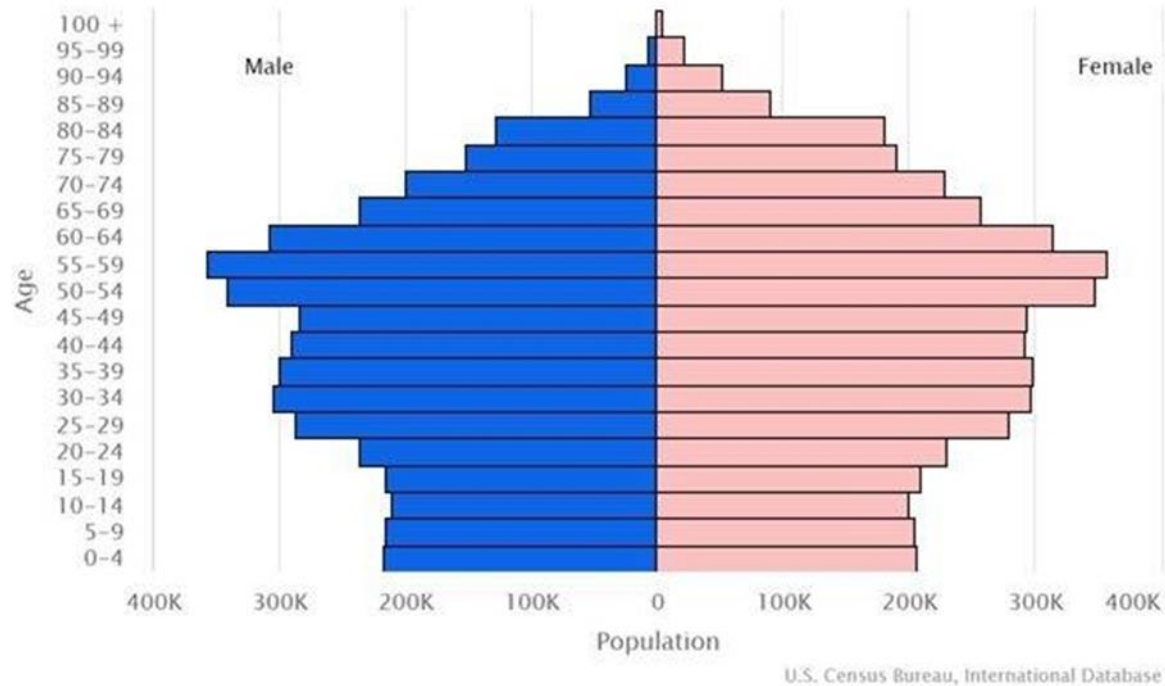


Demographics of Israel



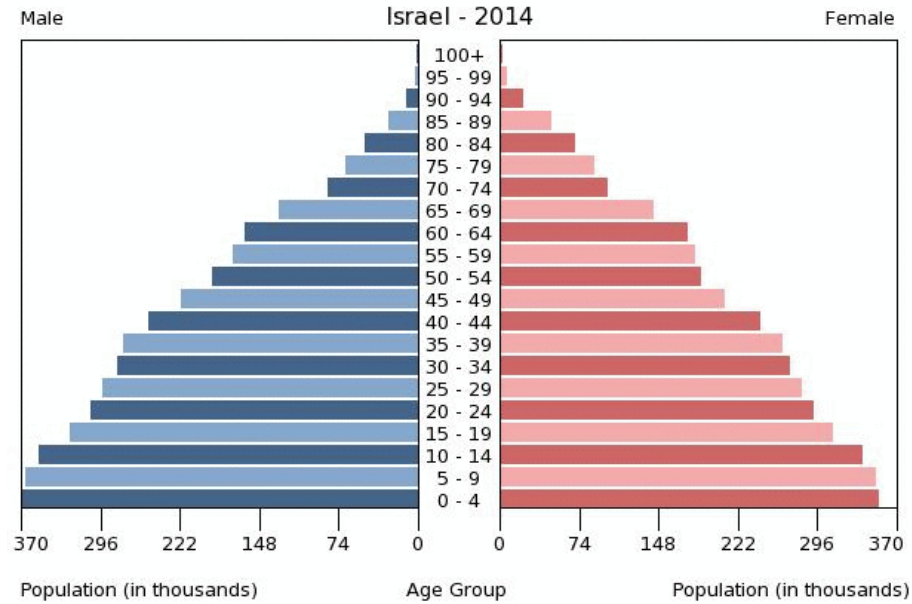
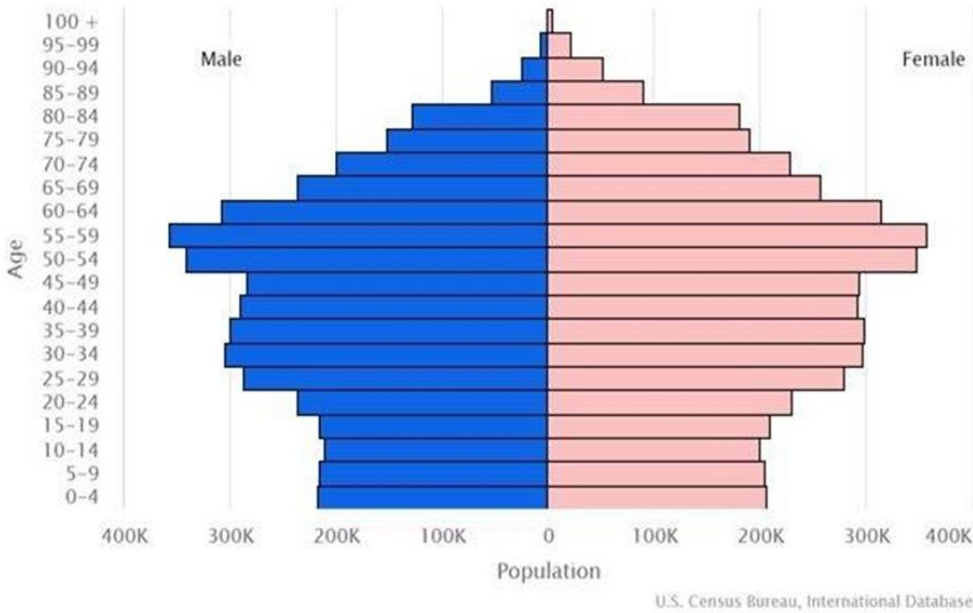
Number of children per woman – 3

Demographics of Austria



Number of children per woman – 1.5

Austria and Israel Demographics 2014





1 child per woman



3.2 children per woman

Number of children per woman 2015

Niger – 6.8

Europe – 1.5

Russia – 1.61

USA – 1.87

Singapore – 0.81

China – 1.6

India – 2.45

**In Europe birth rate is low
about 1.5 children per woman**

**In the Far East it is very low.
China, Taiwan, Singapore, South Korea
0.8 to 1.5 children per woman**

Aging population

Why?

Several factors affect the average number of children per woman in the modern world

Urbanization

Education for women

Government policy

What to do?

Encourage larger families



❖ Encourage Technological Entrepreneurship



Technological Entrepreneurship – Key to World Peace and Prosperity

**Why is Technological
Entrepreneurship
important for the well being
of societies, countries and
the world?**

One main reason for our troubled and unstable world today is poverty, and consequently, disenchanting populations.

Technological entrepreneurship is a solution to -

- ❖ **Low GDP per capita - poverty**
- ❖ **High unemployment**
- ❖ **Disenchanted people**

- ❖ **Sustainable economy depends on entrepreneurship in general, but mainly on Technological entrepreneurship.**
- ❖ **Fostering technological entrepreneurship requires development of human ingenuity**
- ❖ **Human ingenuity is the most important natural resource of any country.**

How can we develop human ingenuity?

No corruption

Free market economy

Government policy and support

Good engineering and science education

**Good basic education to all
(TEACHERS!!!)**

But that may not be enough

Also needed is

**Development of entrepreneurial
spirit and knowledge**

**Born to be
technological entrepreneurs?**

Can we teach technological entrepreneurship?

❖ **Yes, we can, and we should!**

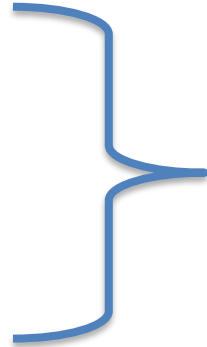
Whom and where should we teach

❖ Youth – in high schools

❖ Engineers

❖ Scientists

❖ MDs



in universities

❖ Technicians – in vocational school

It is the engineers, biologists, MDs, scientists and computer experts that start new High-Tech companies.

Technological Entrepreneurship – the Technion class

- ❖ 35 years ago, I started a Technological Entrepreneurship class at the Technion. It is still running today.

- ❖ Open to all Technion students
- ❖ 300-600 students in the class
- ❖ All lectures by invited speakers
 - ❖ successful entrepreneurs
 - ❖ new startup entrepreneurs
 - ❖ professionals

Cultural considerations

❖ **Fear of failure**

❖ **Our message is -**

Failure - OK

Start again!

Science in Kindergarten_s

Science TV programs for children

Why should We Teach Science in Kindergartens.

The scientific and industrial development of the world depends on its human ingenuity, and motivation of young man and women to become scientists, engineers and technological entrepreneurs.

Human ingenuity is the most valuable, sustainable natural resource, and Hi-Tech startups are a major driving force in modern economies.

Children, knowledgeable in science, may choose to direct their academic future toward a career in the natural sciences, and they will do so because they look at the world around them with open eyes and mind, based on understanding of natural phenomena.

I propose to teach science to young children in kindergartens and in primary schools for a prosperous and peaceful world.



The book addresses the trillion-dollar question: How is it that Israel- a country of 9 million, only 74 years old, with no natural resources-- produces more start-up companies than large, peaceful, and stable nations like Japan, China, India, Korea, Canada and the UK?

Thank you