

# Mini-population Lab

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<b>Biology 9 (Period 3)</b>
<b>November 29, 2020</b>

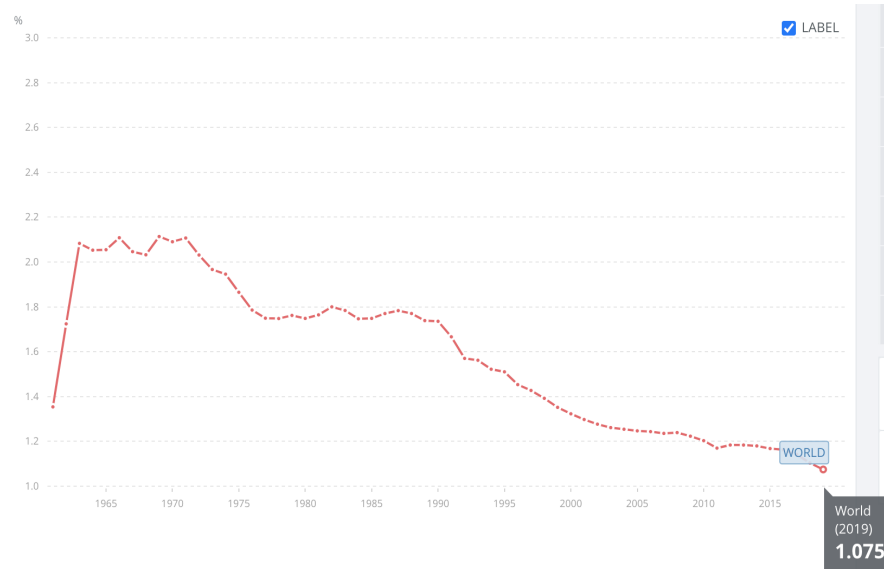
1. What are the dangers in each country with regards to Density Dependent and Independent Factors?

Density dependent factors include things such as disease, predation, and competition. The dangers in each country with regards to density dependent factors is that population growth would be limited when the density is low and get less limited if the density increases.

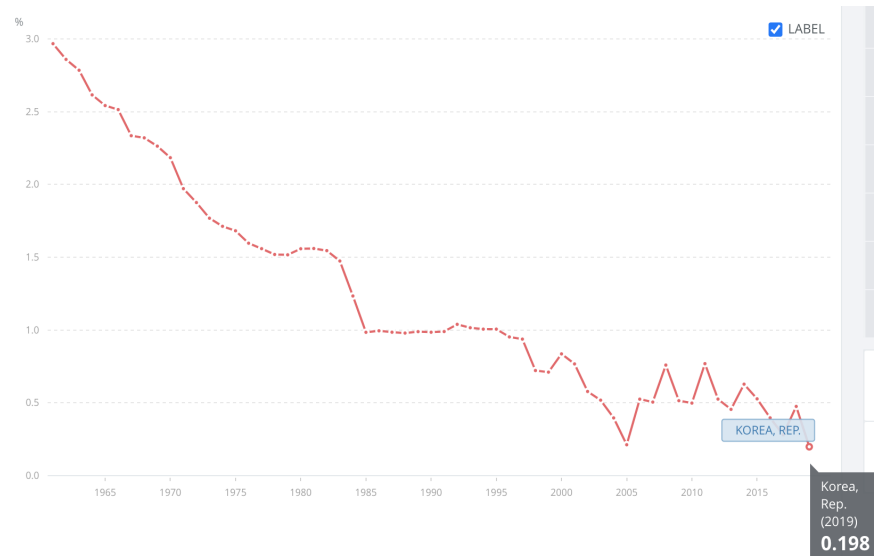
Density independent factors mostly include things like weather and climate such as wildfires, earthquakes, flooding, and many other natural disasters. The dangers in each country with regards to density independent factors is that the population size can change dramatically in an unexpected way. For example, if many people or animals die in an earthquake, that would be a huge disaster and would greatly affect the environment.

## 2. What is the current growth rate?

Graph of the world's growth rate



Graph of South Korea's growth rate

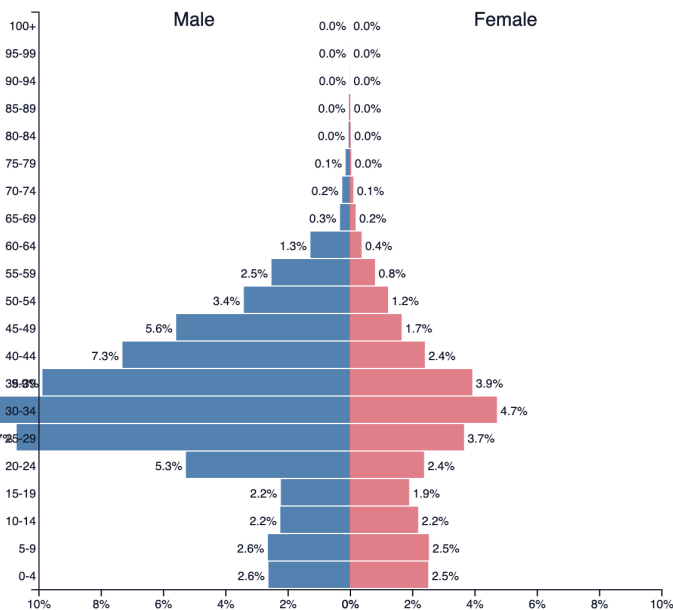


The current growth rate of the world is 1.075 while the current growth rate of South Korea is 0.198.

3. Are there any odd shapes about the population pyramid? Look up some history around that time, did something happen?

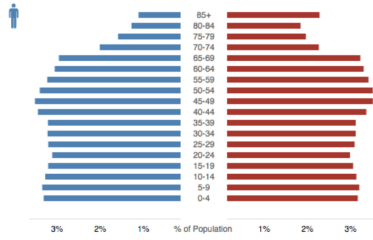
United Arab Emirates ▼  
2019

Population: 9,770,526

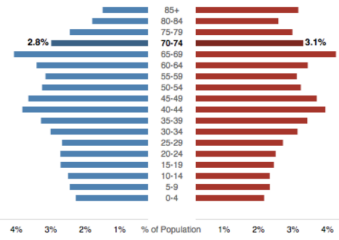


Yes, the United Arab Emirates have an odd shape about the population pyramid. There are many more men than women in the UAE. The number of men in the age of 30~34 is more than twice the number of women in the same age. It is because a lot of men immigrated to the United Arab Emirates and dominated most of the jobs in the society.

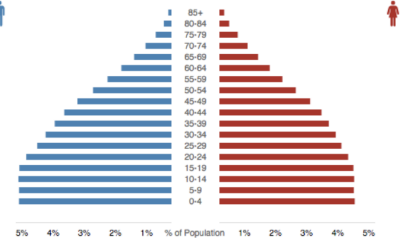
4. Based on the population pyramid and the growth rate, what stage of development (slide 22) do you believe this country to be in?



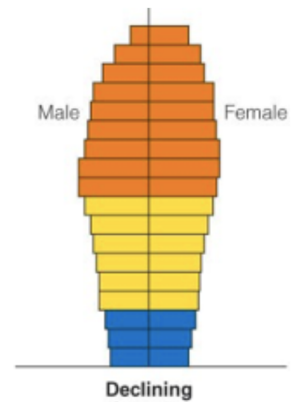
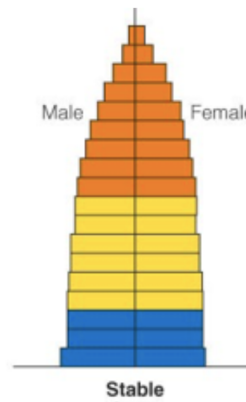
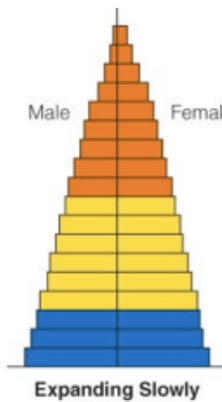
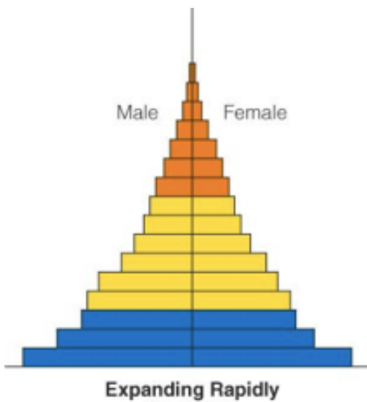
France



Germany



India



Based on the population pyramid and the growth rate, France is in the stable stage, India is in the rapidly expanding stage, and Germany is in a declining stage.