Bringing the World into your APHG Classroom

Seth Dixon
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@ProfessorDixon #APHG

geographyeducation.org

Skill Category 1

Concepts and Processes 1

Analyze geographic theories, approaches, concepts, processes, or models in theoretical and applied contexts.

Skill Category 2

Spatial Relationships 2

Analyze geographic patterns, relationships, and outcomes in applied contexts.

Skill Category 3

Data Analysis 3

Analyze and interpret quantitative geographic data represented in maps, tables, charts, graphs, satellite images, and infographics.

Skill Category 4

Source Analysis 4

Analyze and interpret qualitative geographic information represented in maps, images (e.g., satellite, photographs, cartoons), and landscapes.

Skill Category 5

Scale Analysis 5

Analyze geographic theories, approaches, concepts, processes, and models across geographic scales to explain spatial relationships.

Skills and Content

- Each MCQ and each FRQ point will be linked to a specific **Learning Objective**

- Each MCQ and each FRQ point will be linked to a specific **skill**

5 task verbs (let's not discuss discuss…)
These are the verbs in EVERY SKILL

- Identify
- Define
- Describe

- Explain
- Compare

The hidden "6th task verb"

2.E Explain the degree to which a geographic concept, process, model, or theory effectively explains geographic effects in different contexts and regions of the world.

5.D Explain the degree to which a geographic concept, process, model, or theory effectively explains geographic effects across various geographic scales.

Stimulus—We've got more!!

- If given data about a country, be prepared to explain the data for that example using course concepts.
-

Common FRQ errors in 2019

- Poor map reading skills (or they just didn't take the time)
- Answer the question at the wrong scale…
- Didn't read/analyze the stimulus/stimuli
- Just repeated the stem OR ignored the info given in the stem
- Models show change…student answers rarely reflect that
- Don't know the examples in the CED
- Too many regional stereotypes, not enough regional analysis
  - Inequality only is an issue in developing countries

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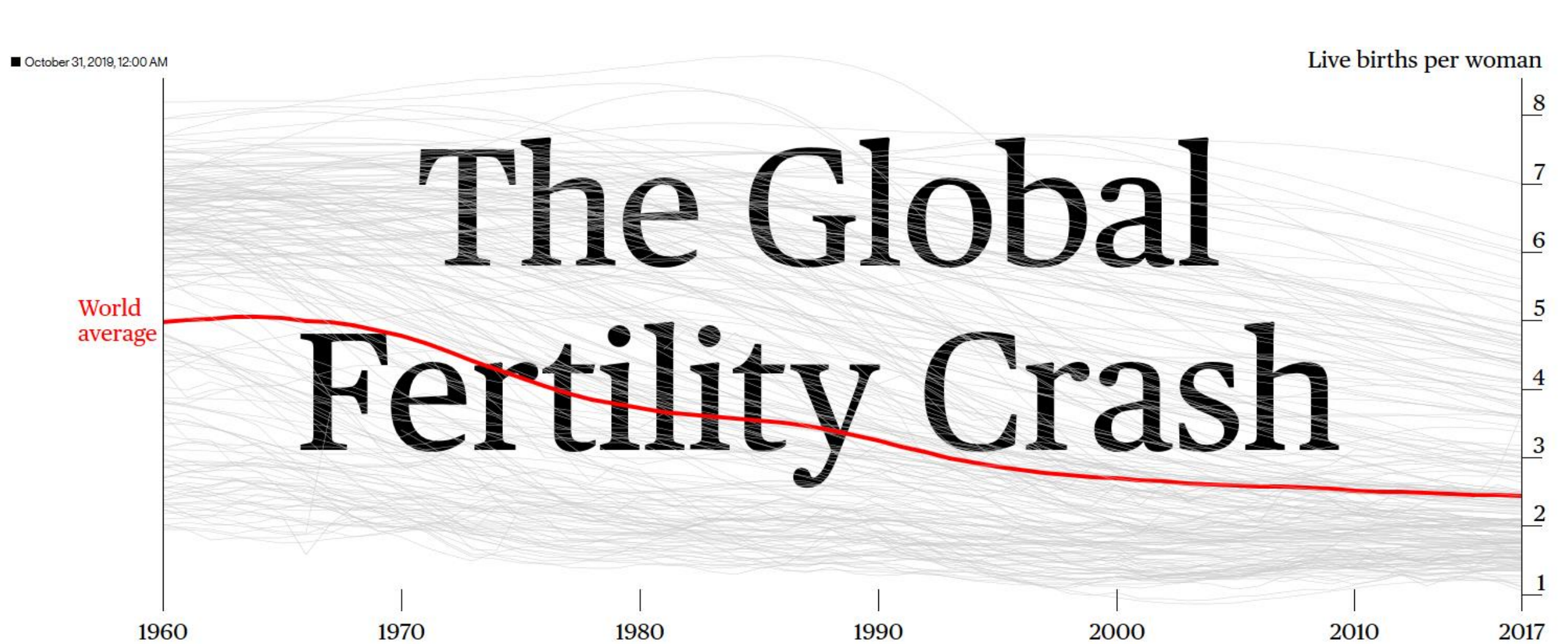
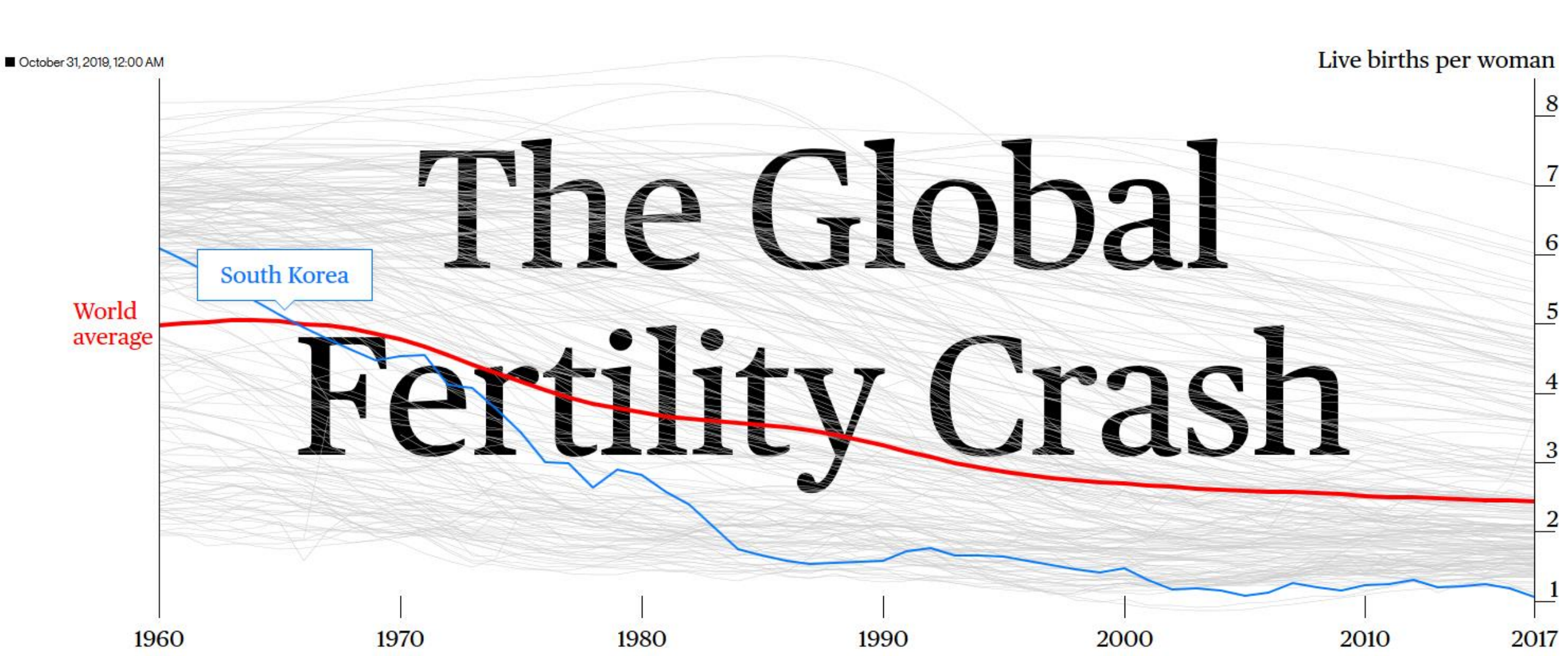
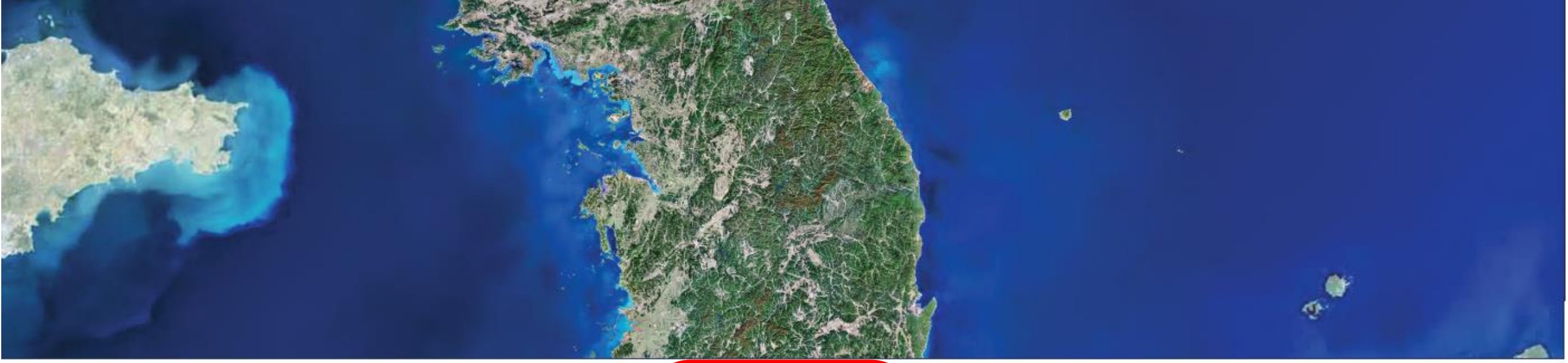
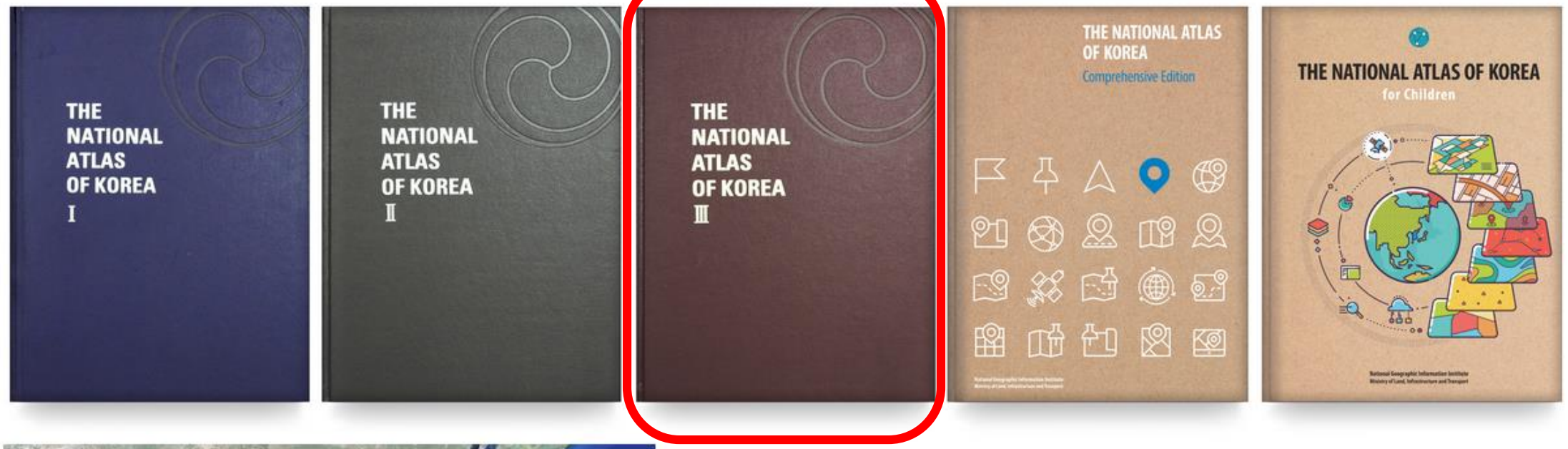


https://www.bloomberg.com/graphics/2019-global-fertility-crash/?utm_source=pocket-newtab


October 31, 2019, 12:00 AM
Live births per woman
The Global Fertility Crash
South Korea
World average
8
7
6
5
4
3
2
1
1960
1970
1980
1990
2000
2010
2017





Korea is located in the eastern part of the Eurasian continent on the west coast of the Pacific Ocean. People have populated the Korean Peninsula and the surrounding islands for many thousands of years during which time the national identity has evolved through many transformations beginning with the creation and merging of multiple

Main

Index

NATIONAL TERRITORY AND PLACES OF LIFE

POPULATION AND LIVING

Population Growth and Distribution

Population Growth and Distribution

Population in Korea

Population Growth

Population Distribution

Population Structure and Projections

Population Migration

Household and Household Members

INDUSTRIAL ACTIVITIES

SOCIETY AND CULTURE

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Lesson Plan Download

KOREA_shape Download

Search

THE NATIONAL ATLAS OF KOREA III

TOPIC 2.3

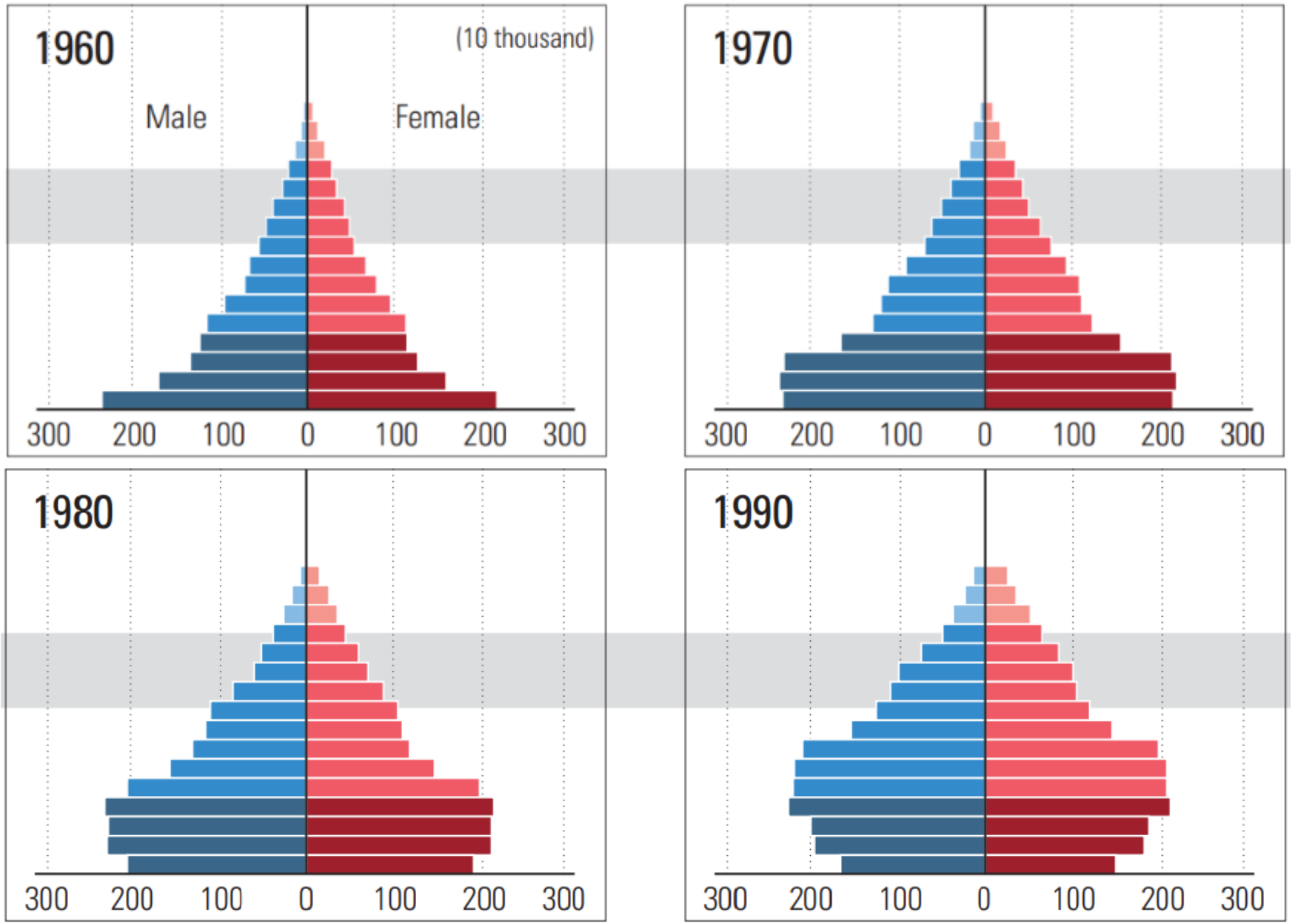
Population Composition

ENDURING UNDERSTANDING

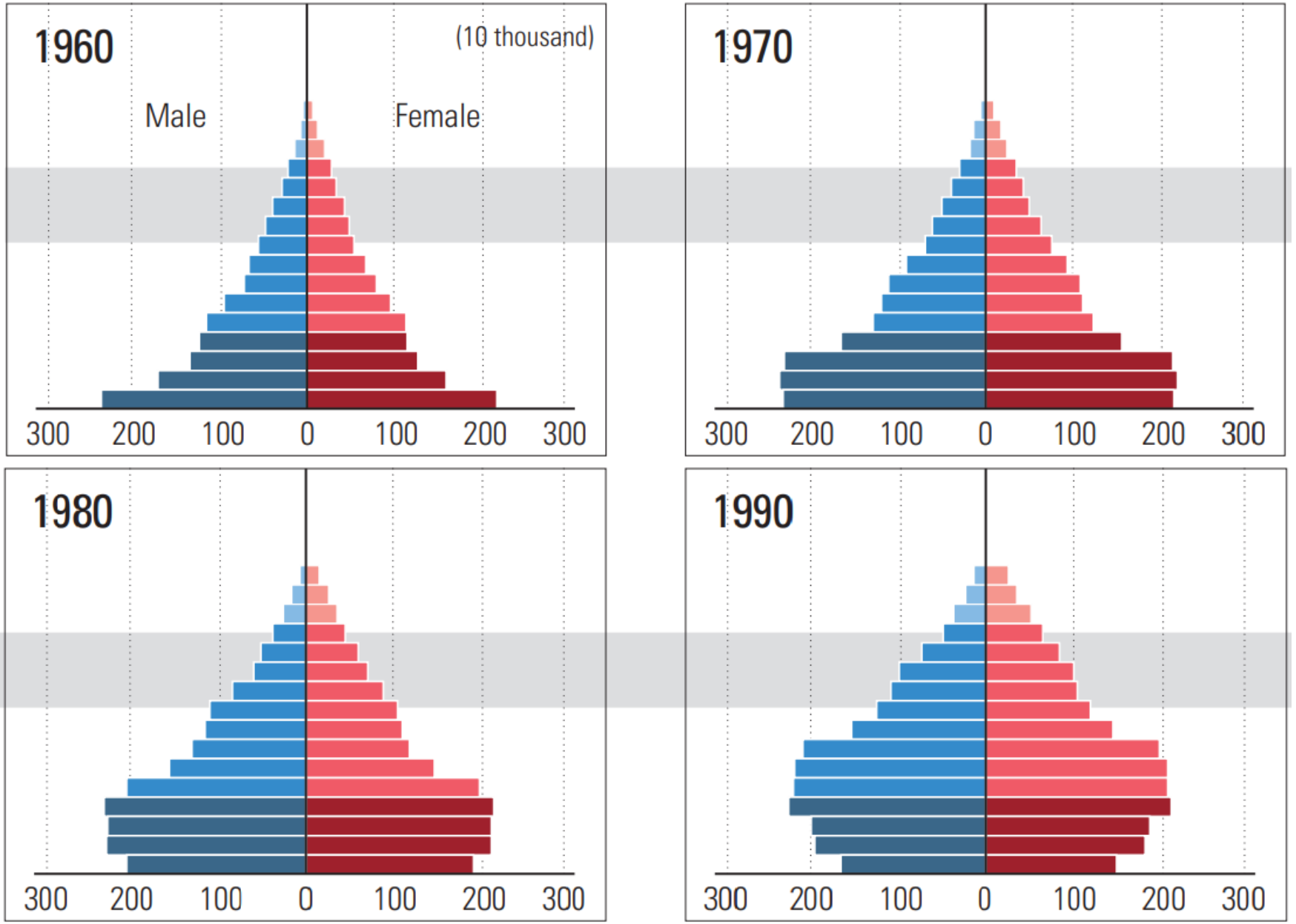
PSO-2

Understanding where and how people live is essential to understanding global cultural, political, and economic patterns.

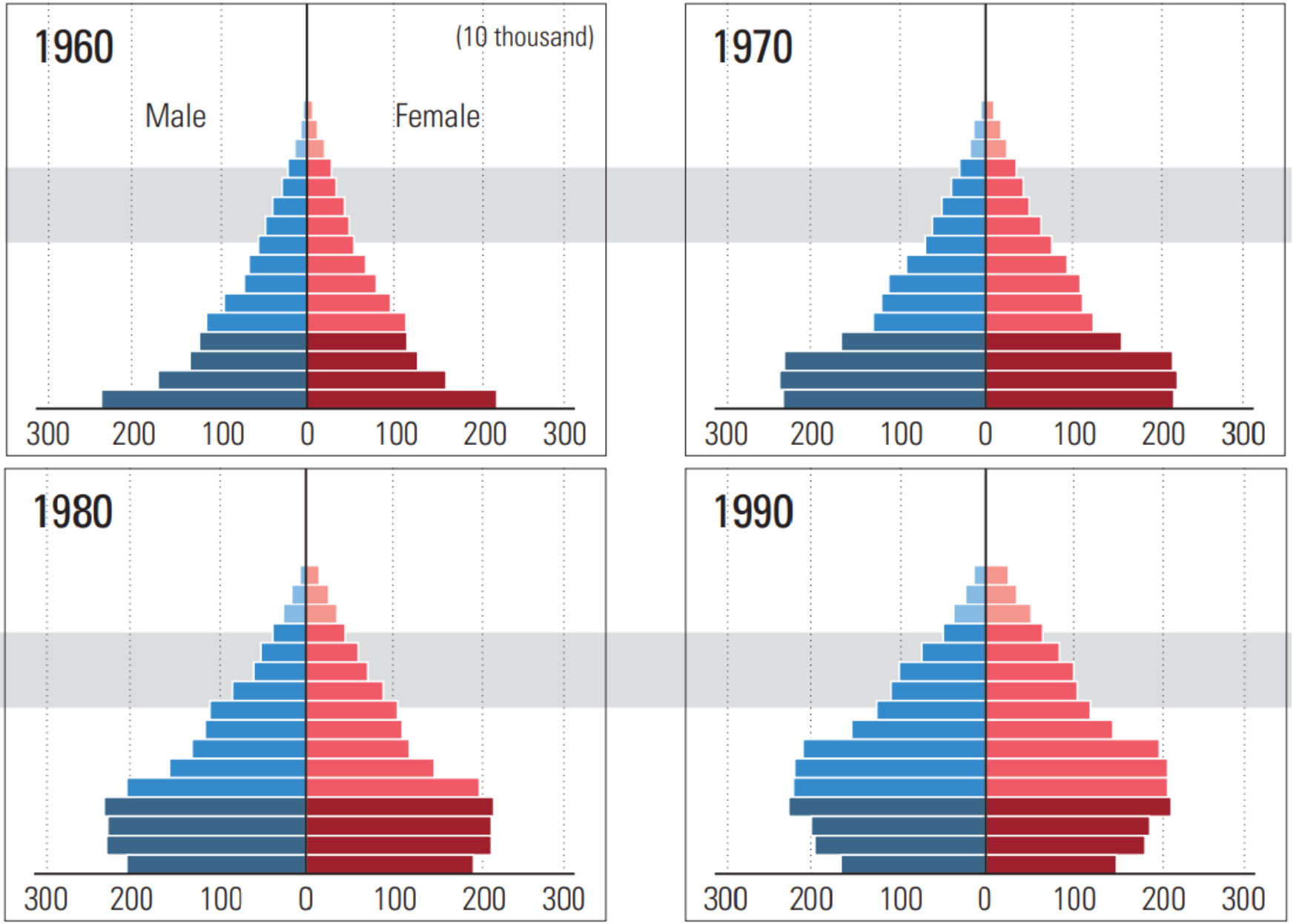
LEARNING OBJECTIVE	ESSENTIAL KNOWLEDGE
PSO-2.E Describe elements of population composition used by geographers.	PSO-2.E.1 Patterns of age structure and sex ratio vary across different regions and may be mapped and analyzed at different scales.
PSO-2.F Explain ways that geographers depict and analyze population composition.	PSO-2.F.1 Population pyramids are used to assess population growth and decline and to predict markets for goods and services.


1960
(10 thousand)
Male
Female
300 200 100 0 100 200 300
1970
300 200 100 0 100 200 300
1980
300 200 100 0 100 200 300
1990
300 200 100 0 100 200 300

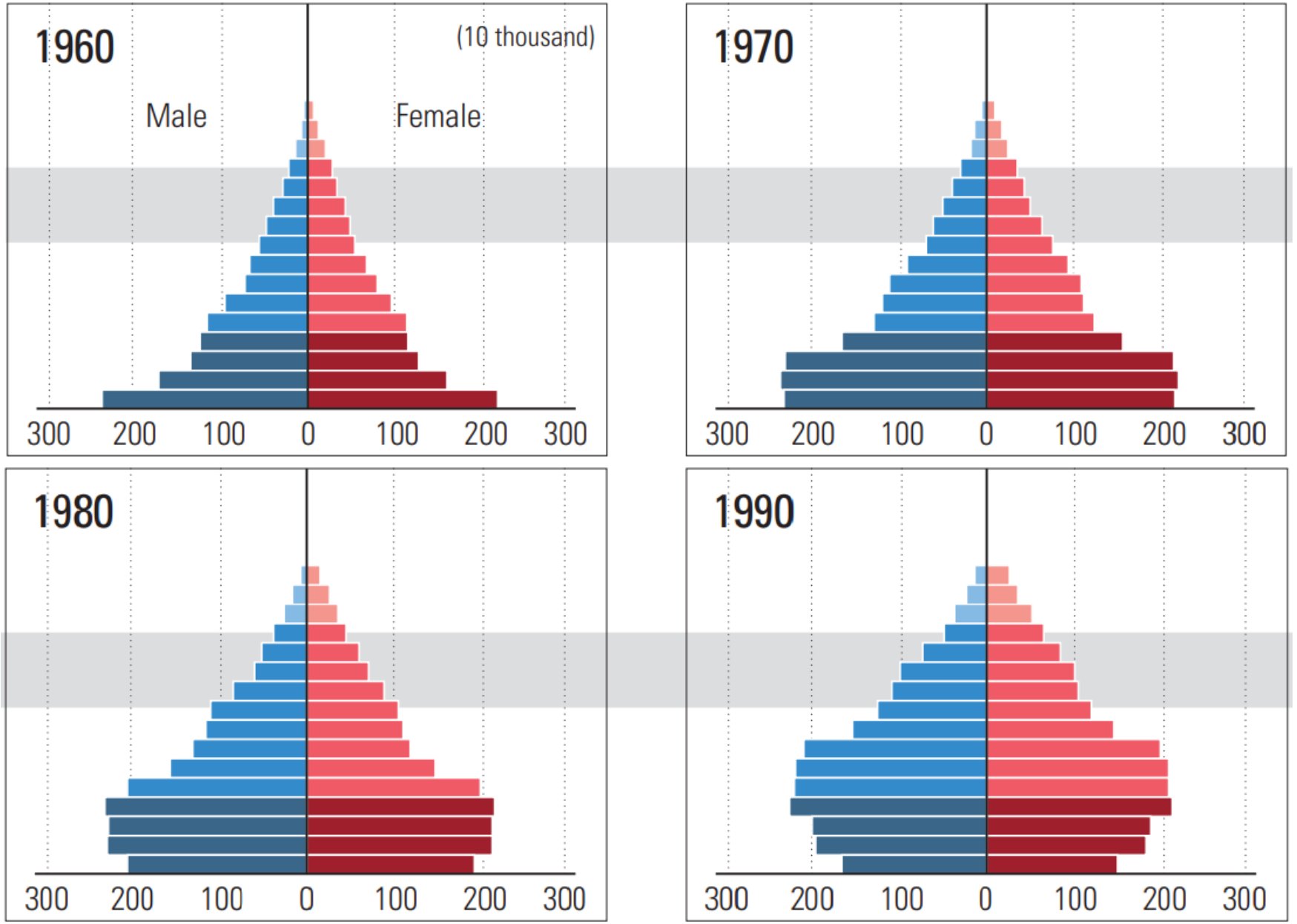
Possible MCQ with these stimuli?



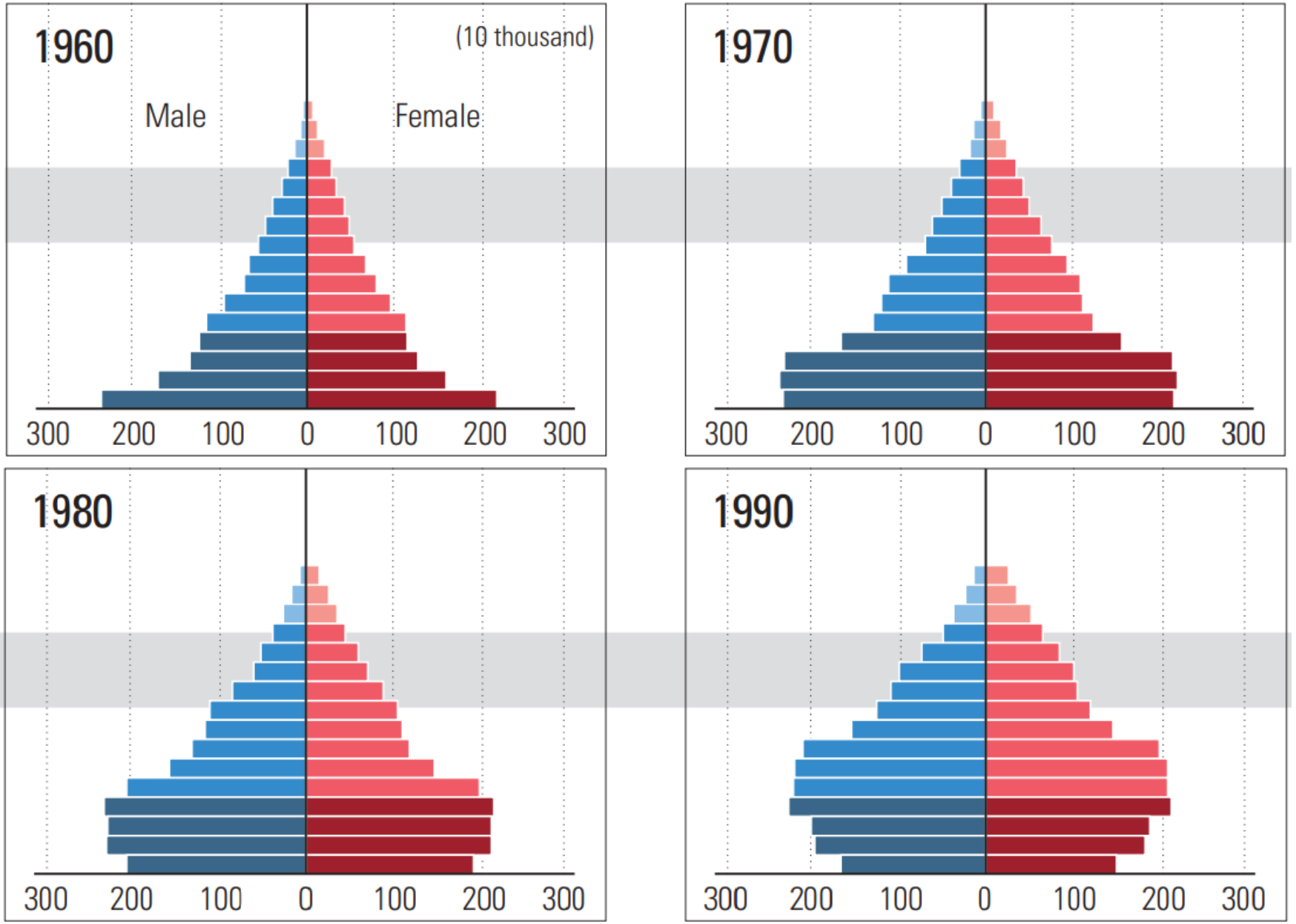
Identify the stages of the DTM for the following



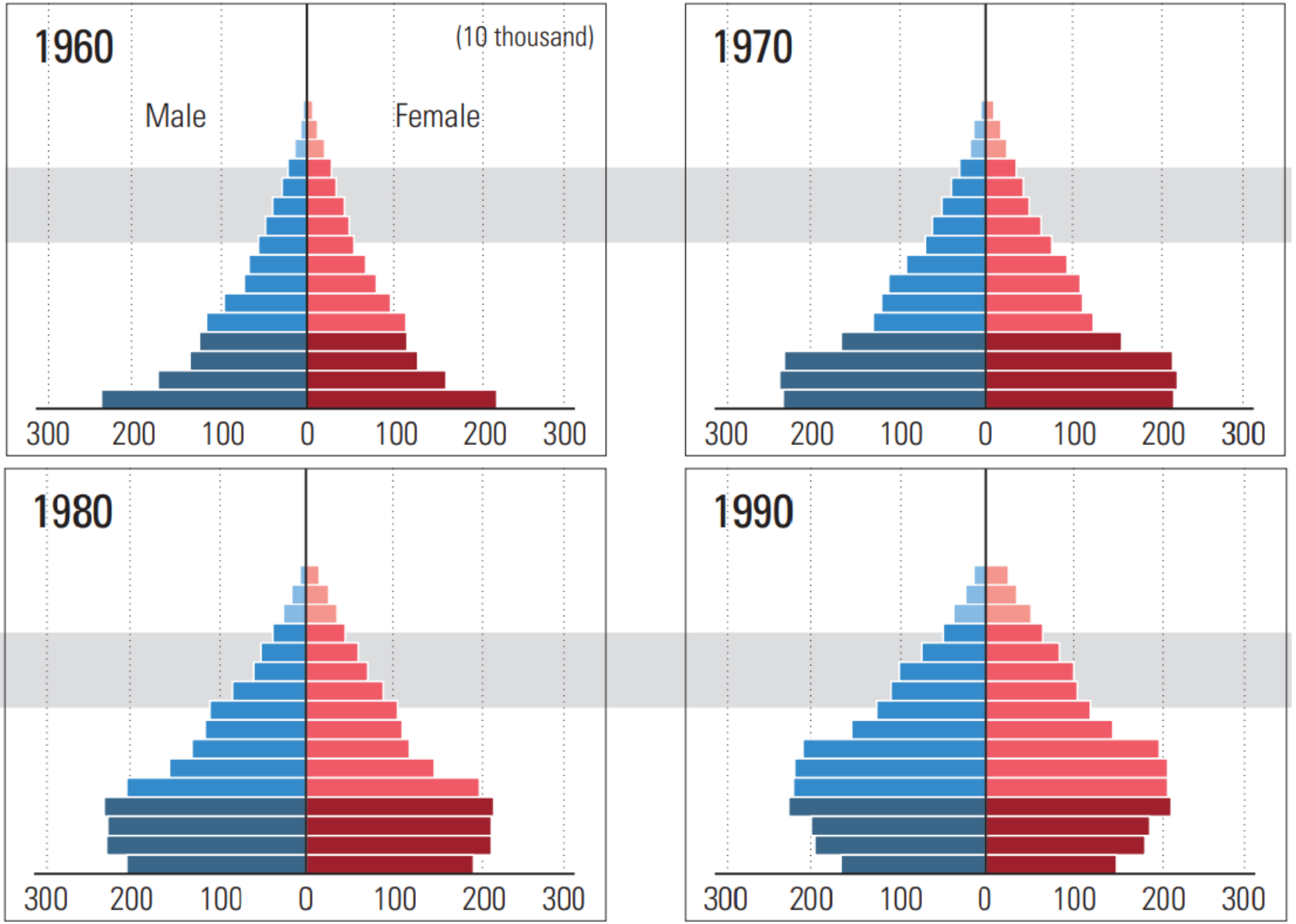
Possible part of an FRQ?



Describe 1 social and 1 economic impact of the shifts represented in these population pyramids.



Explain one cultural and one economic factor that influence fertility rates



TOPIC 2.9

Aging Populations

LEARNING OBJECTIVE

SPS-2.C

Explain the causes and consequences of an aging population.

ESSENTIAL KNOWLEDGE

SPS-2.C.1

Population aging is determined by birth and death rates and life expectancy.

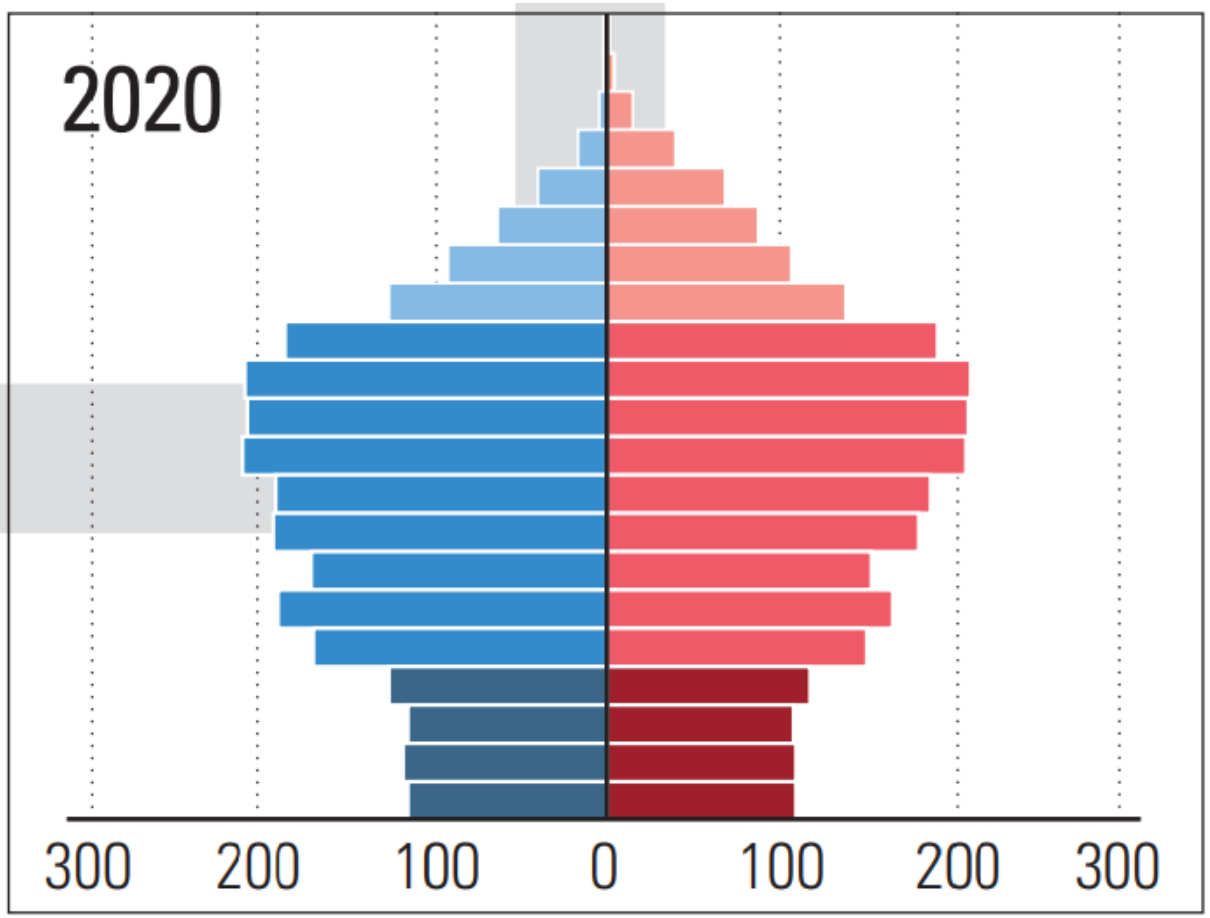
SPS-2.C.2

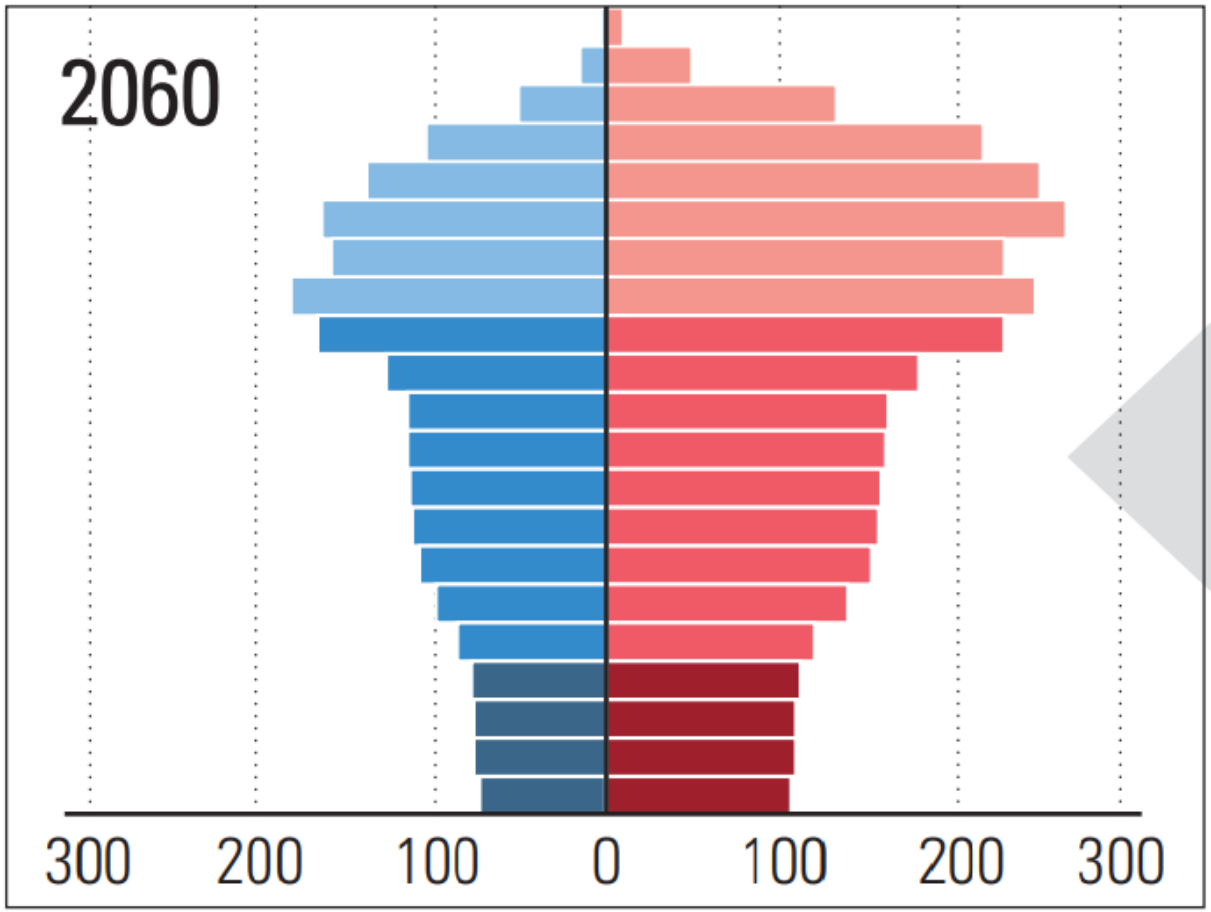
An aging population has political, social, and economic consequences, including the dependency ratio.

ENDURING UNDERSTANDING

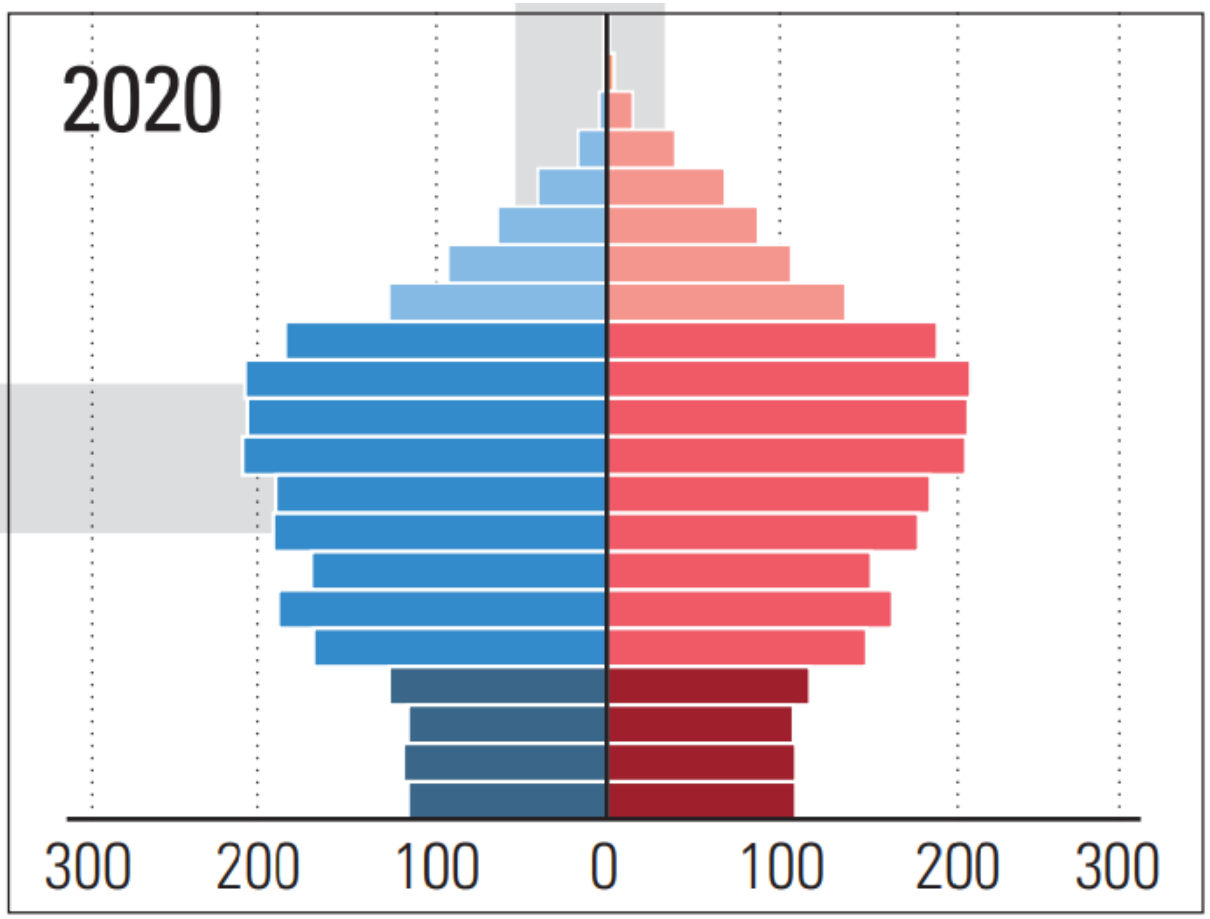
SPS-2

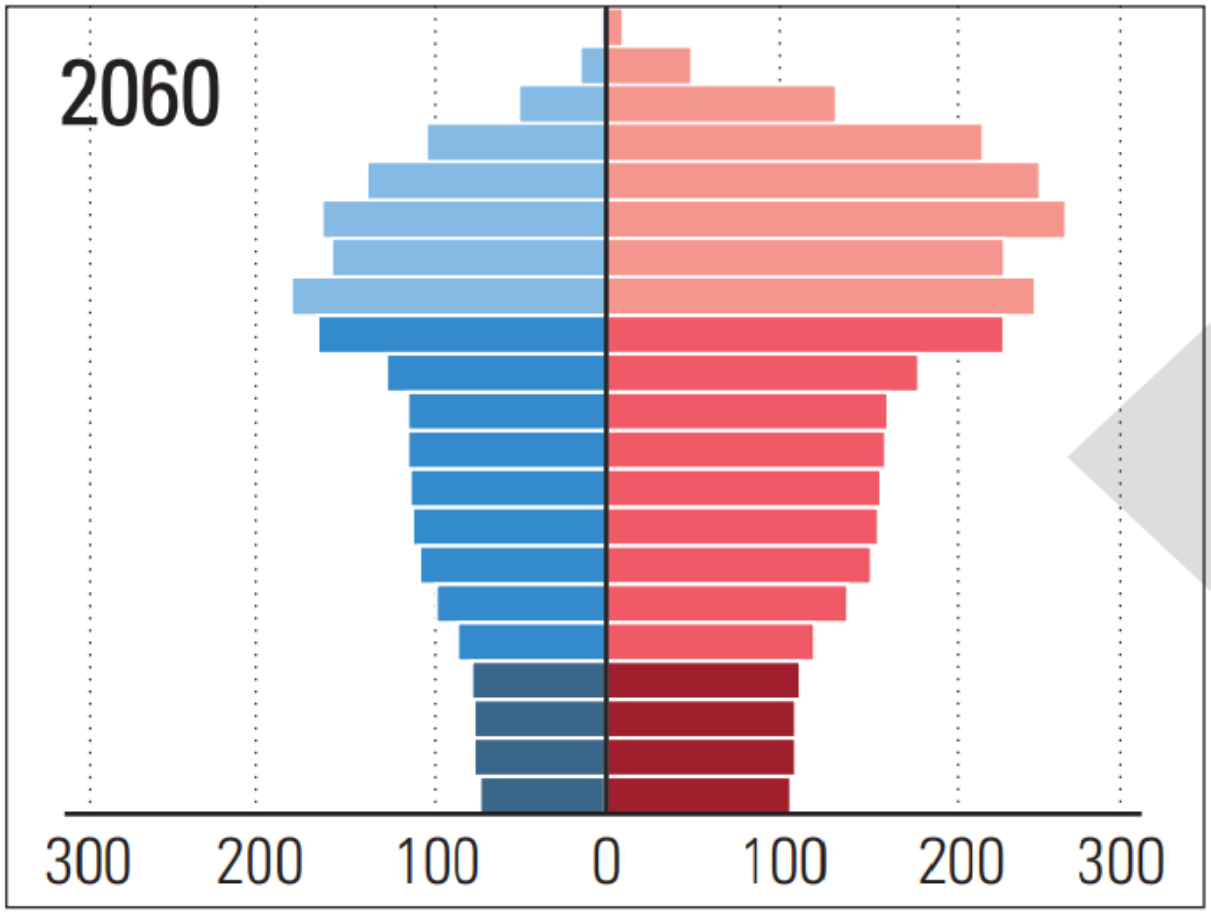
Changes in population have long- and short-term effects on a place's economy, culture, and politics.


2020
300
200
100
0
100
200
300

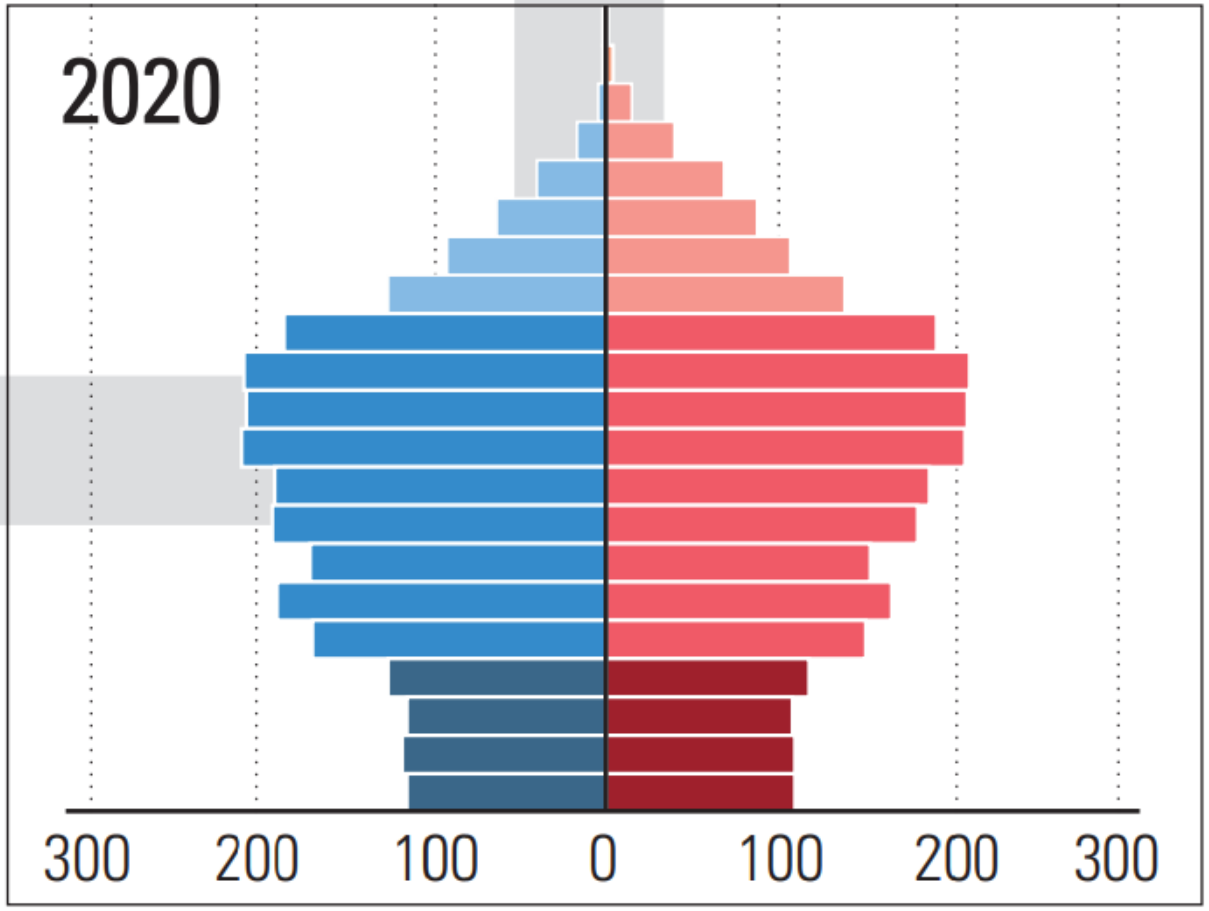

2060
300
200
100
0
100
200
300

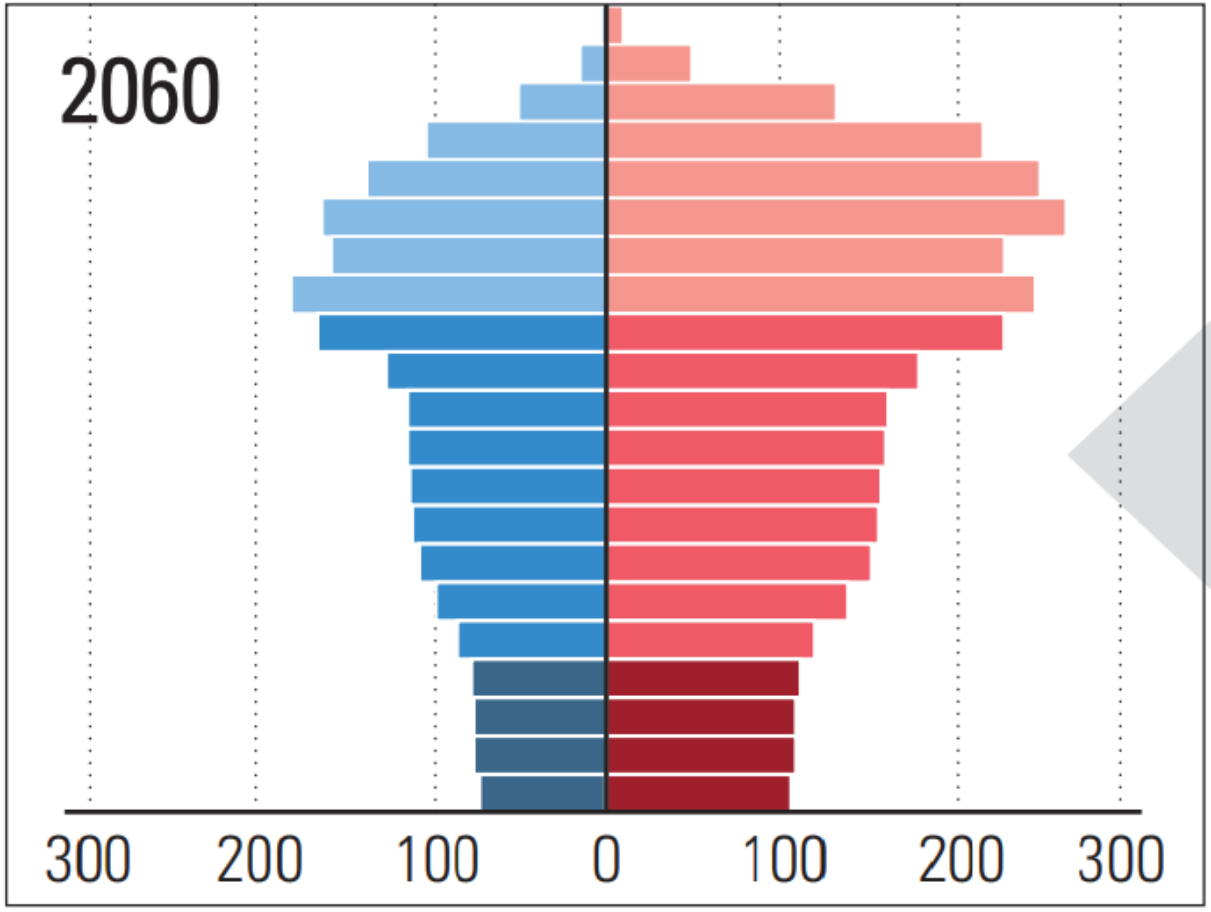
Possible FRQ?





Describe one potential policy that might be implemented based on these changing demographics for South Korea.





TOPIC 2.7

Population Policies

ENDURING UNDERSTANDING

SPS-2

Changes in population have long- and short-term effects on a place's economy, culture, and politics.

LEARNING OBJECTIVE

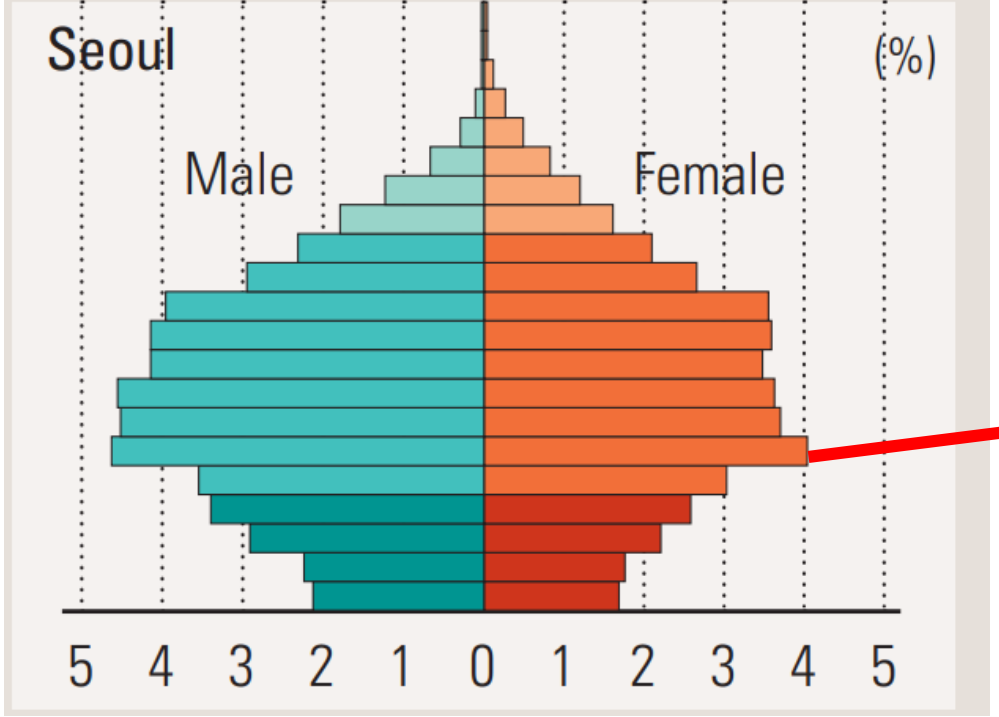
SPS-2.A

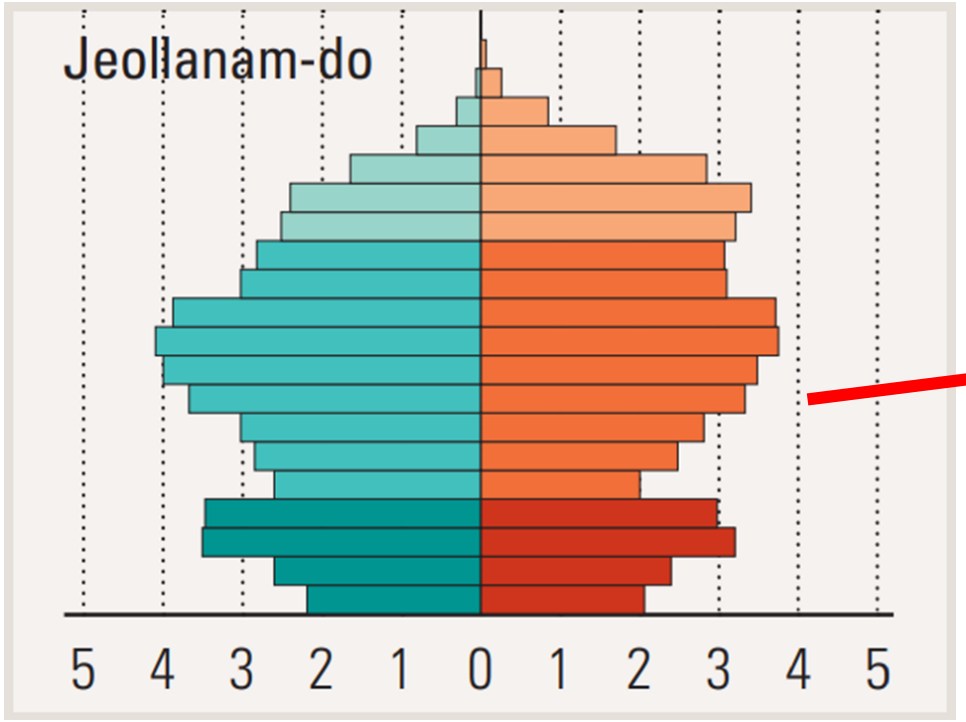
Explain the intent and effects of various population and immigration policies on population size and composition.

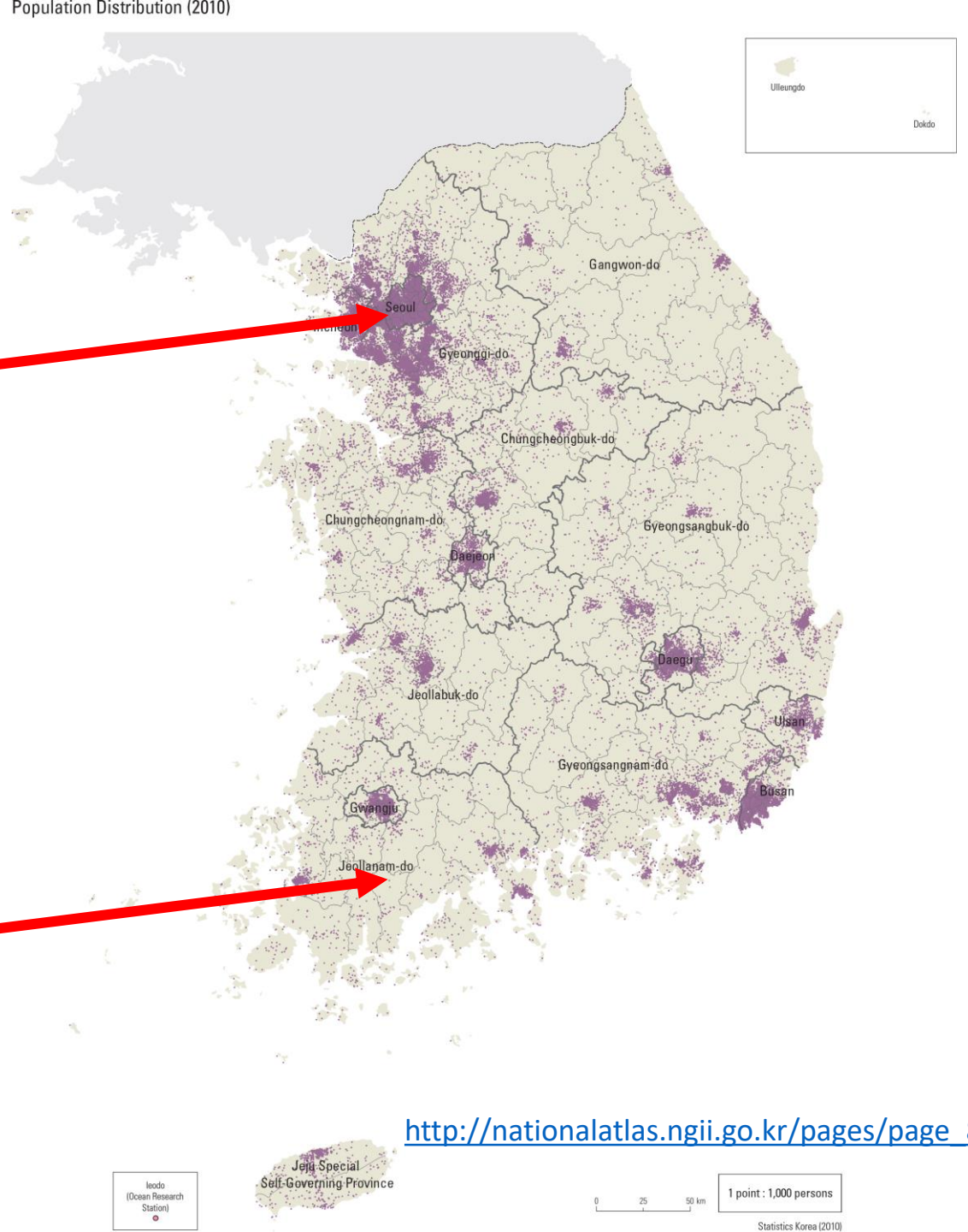
ESSENTIAL KNOWLEDGE

SPS-2.A.1

Types of population policies include those that promote or discourage population growth, such as pronatalist, antinatalist, and immigration policies.

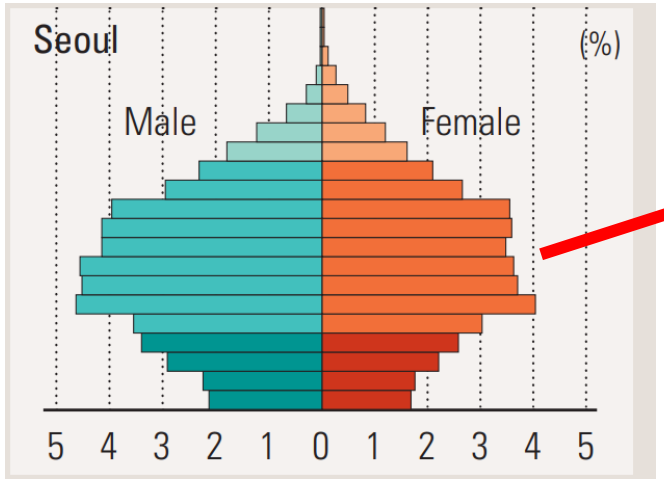


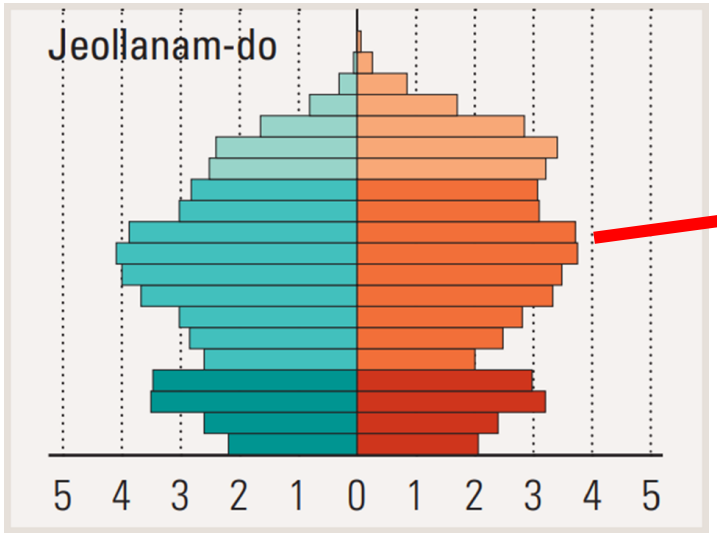


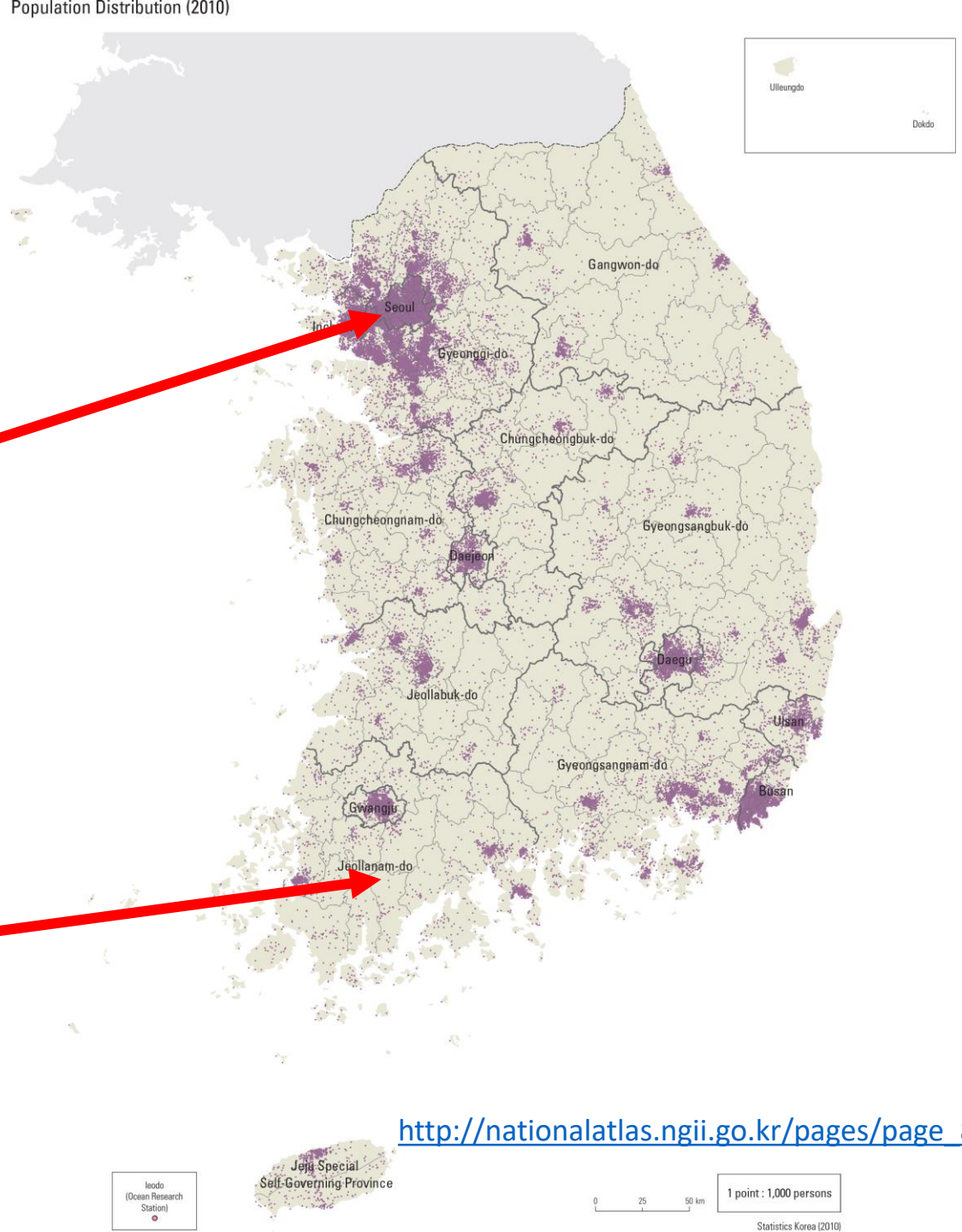


http://nationalatlas.ngii.go.kr/pages/page_834.php

Describe 1 difference between the population pyramids of Seoul and Jeolla.

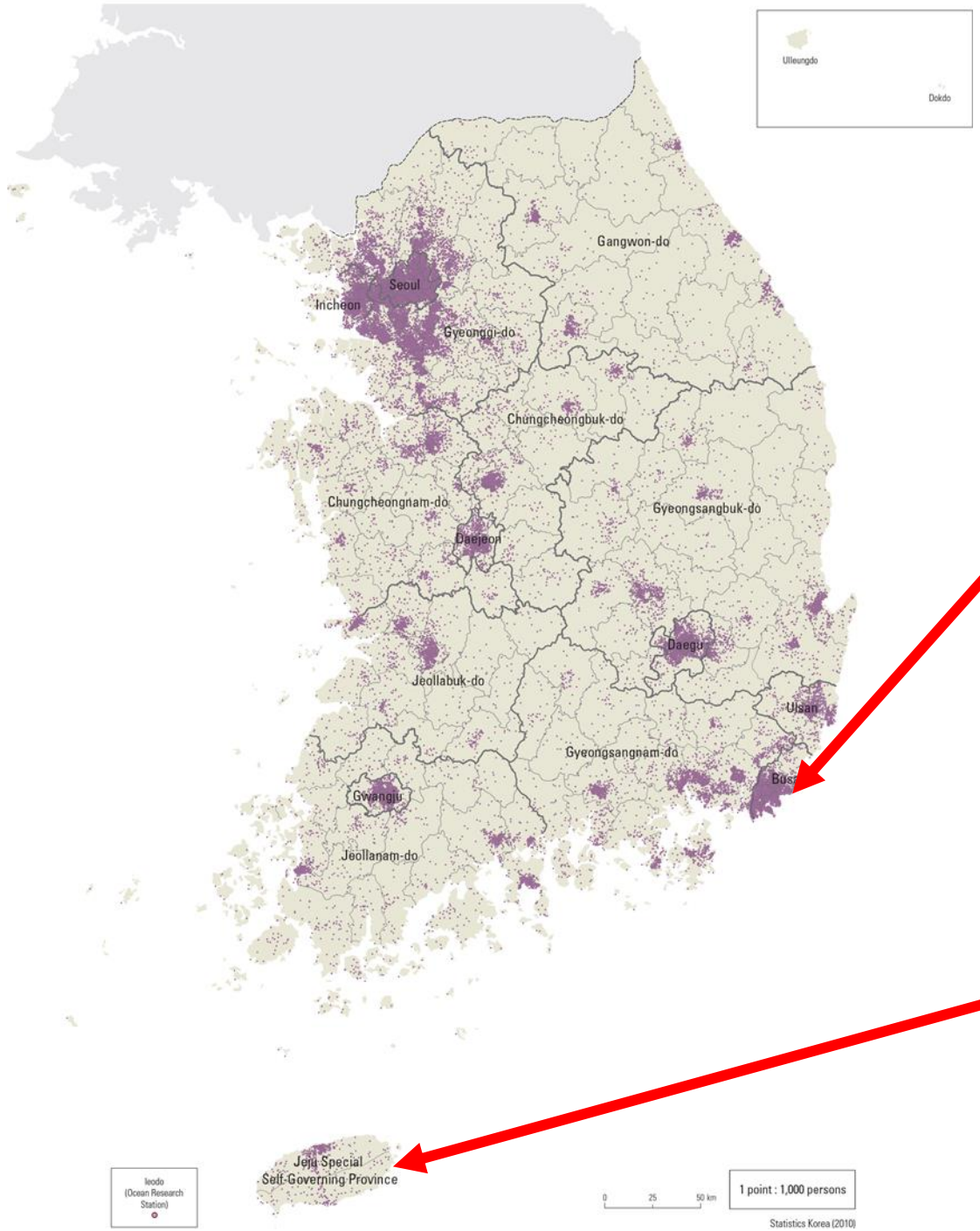


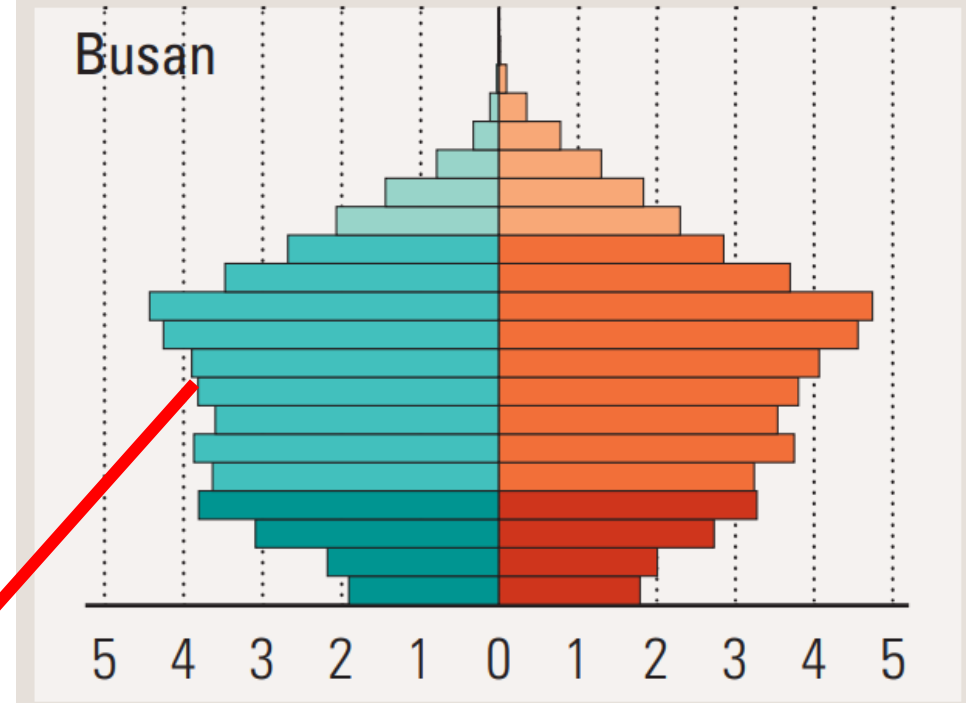


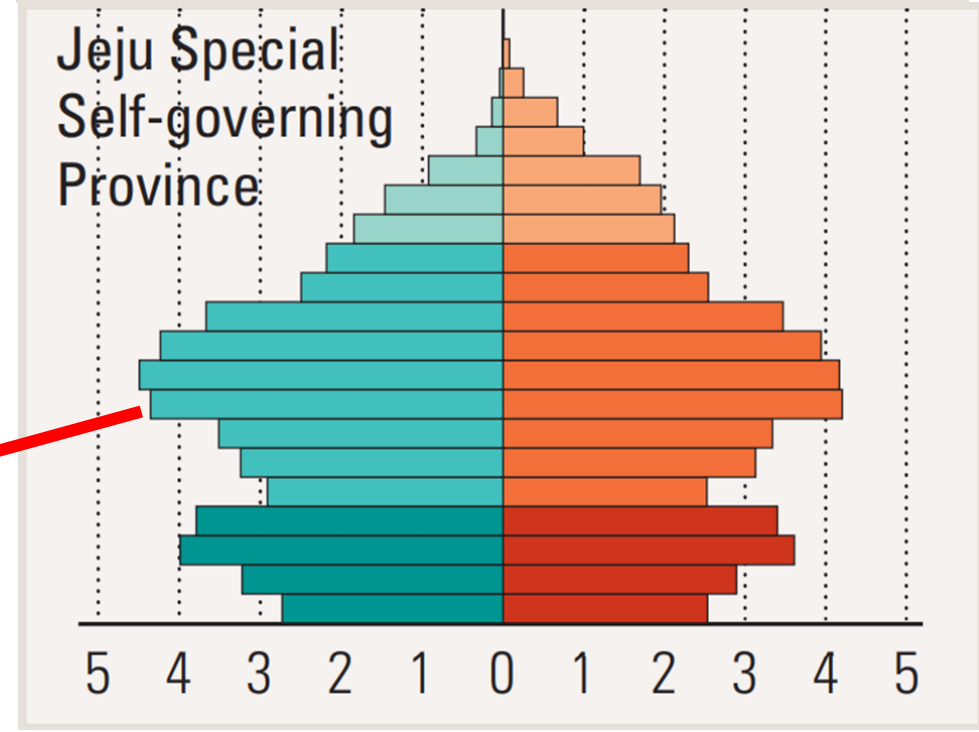


http://nationalatlas.ngii.go.kr/pages/page_834.php

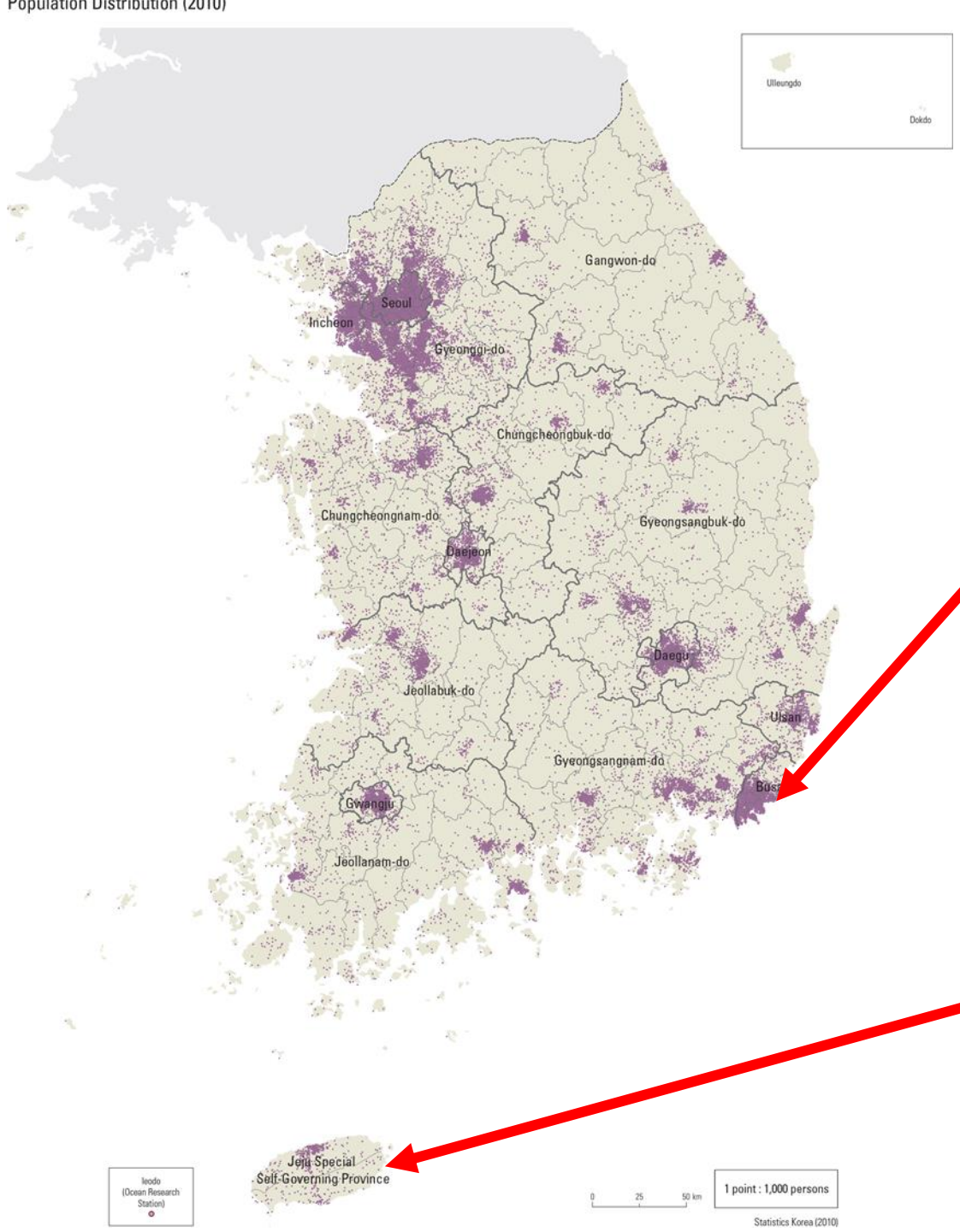
Population Distribution (2010)

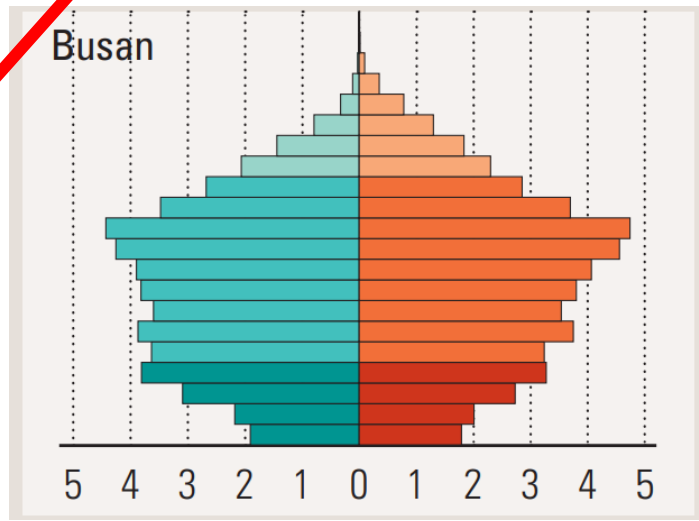


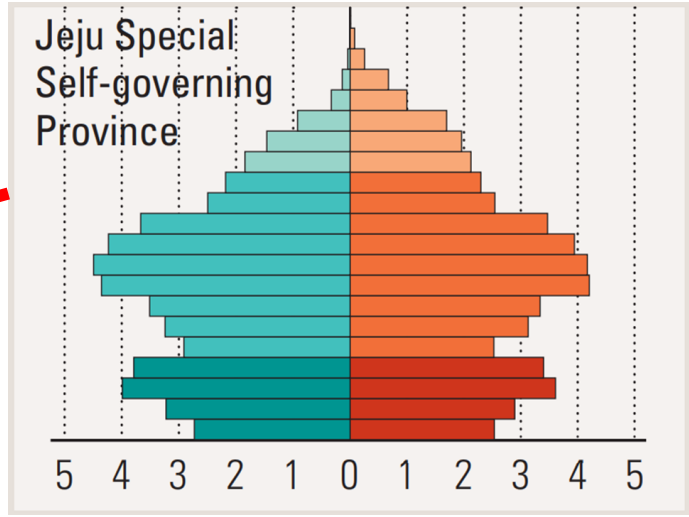




Explain why Busan's demographic profile is different than that of Jeju.







TOPIC 2.8

Women and Demographic Change

LEARNING OBJECTIVE

SPS-2.B

Explain how the changing role of females has demographic consequences in different parts of the world.

ESSENTIAL KNOWLEDGE

SPS-2.B.1

Changing social values and access to education, employment, health care, and contraception have reduced fertility rates in most parts of the world.

SPS-2.B.2

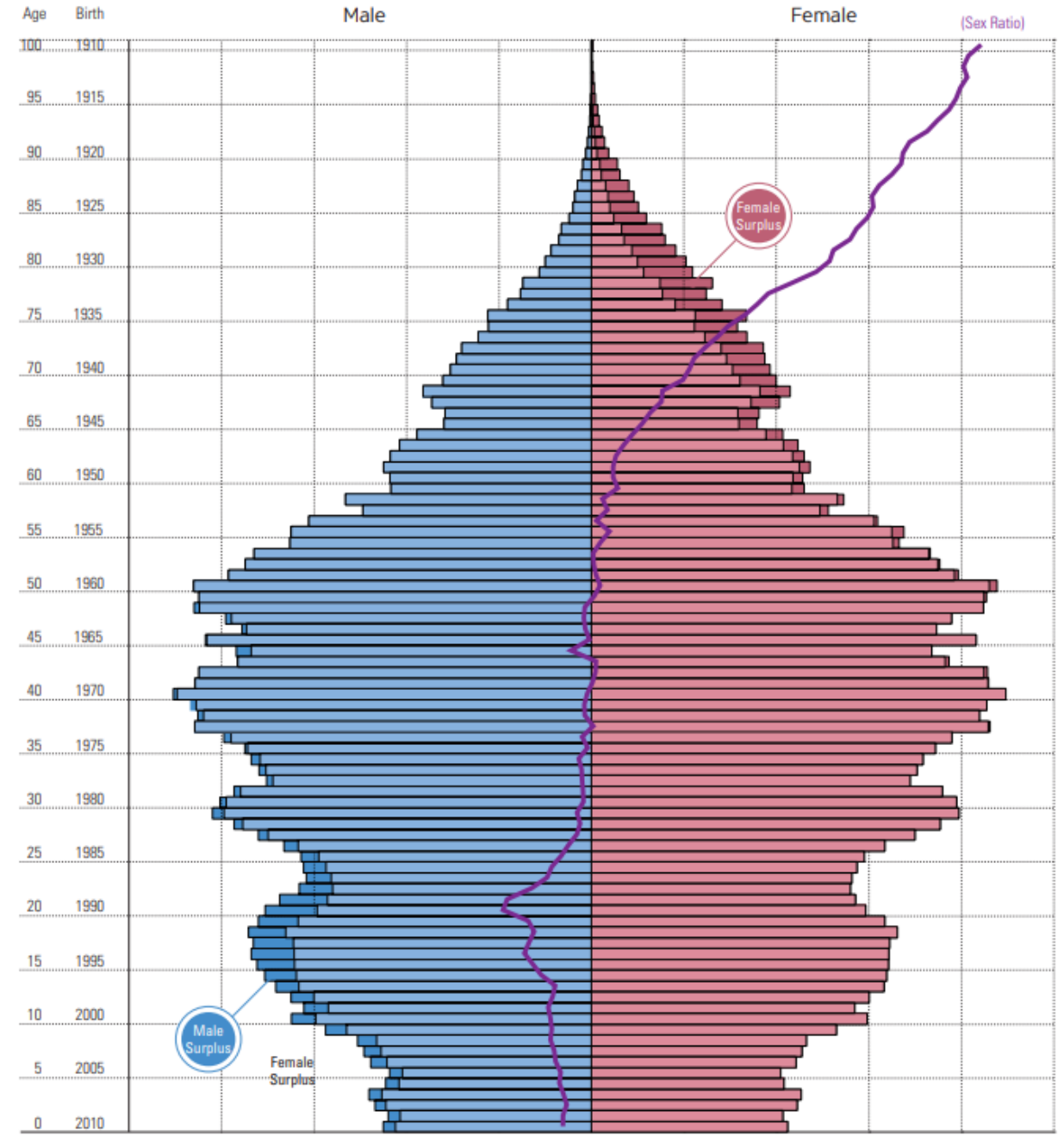
Changing social, economic, and political roles for females have influenced patterns of fertility, mortality, and migration, as illustrated by Ravenstein's laws of migration.

ENDURING UNDERSTANDING

SPS-2

Changes in population have long- and short-term effects on a place's economy, culture, and politics.

Population Pyramid of Korea (2010)



◀◀ 1. Temporal Declination Before and After the Korean Independence in 1945 (1943–1946)

◀◀ 2. Temporal Declination During the Korean War (1950–1953)

◀◀ 3. Baby Boom Generation(1955–1963)

◀◀ 4. Effects of ① (1964–1967)

◀◀ 5. Effects of ② (1976–1978)

◀◀ 6. Offspring of the Baby Boomer Generation

◀◀ 7. Effects of ④ and the Strong Birth Control Policies

◀◀ 8. Abolition of the Strong Birth Control Policies

◀◀ 9. Delay and Evasion of Marriage and Childbirth

Sex Ratio by Birth Order

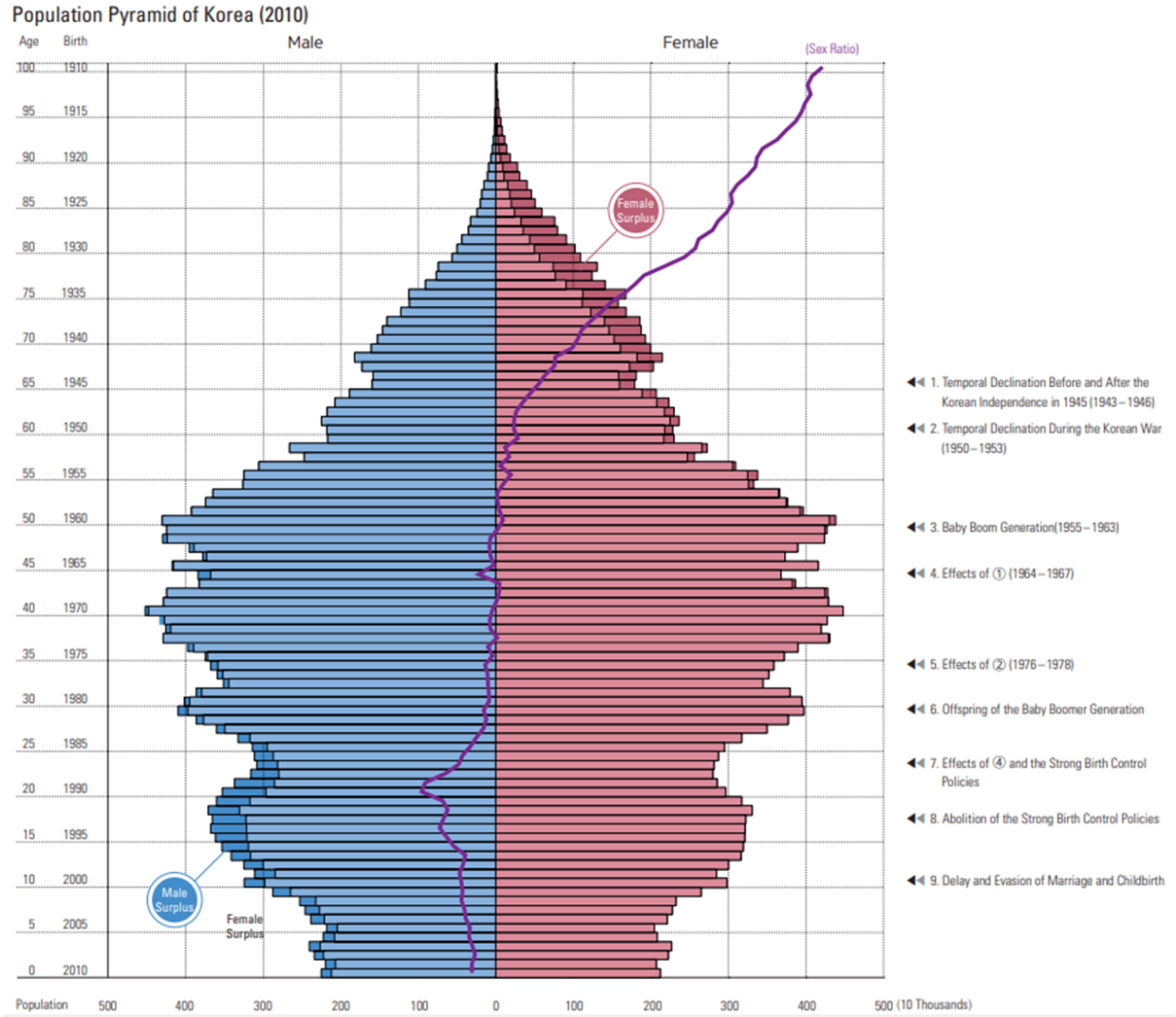
Classification	1995	2000	2005	2010
Total Birth Rate	113.2	110.2	107.8	106.9
First Child	105.7	106.3	104.8	106.4
Second Child	111.7	107.4	106.5	105.8
Third Child and Above	180.1	144.2	128.5	110.9

Statistics Korea (Each Year)

Explain ONE reason for the gender ratio patterns in the 0-30 age cohort.

Sex Ratio by Birth Order

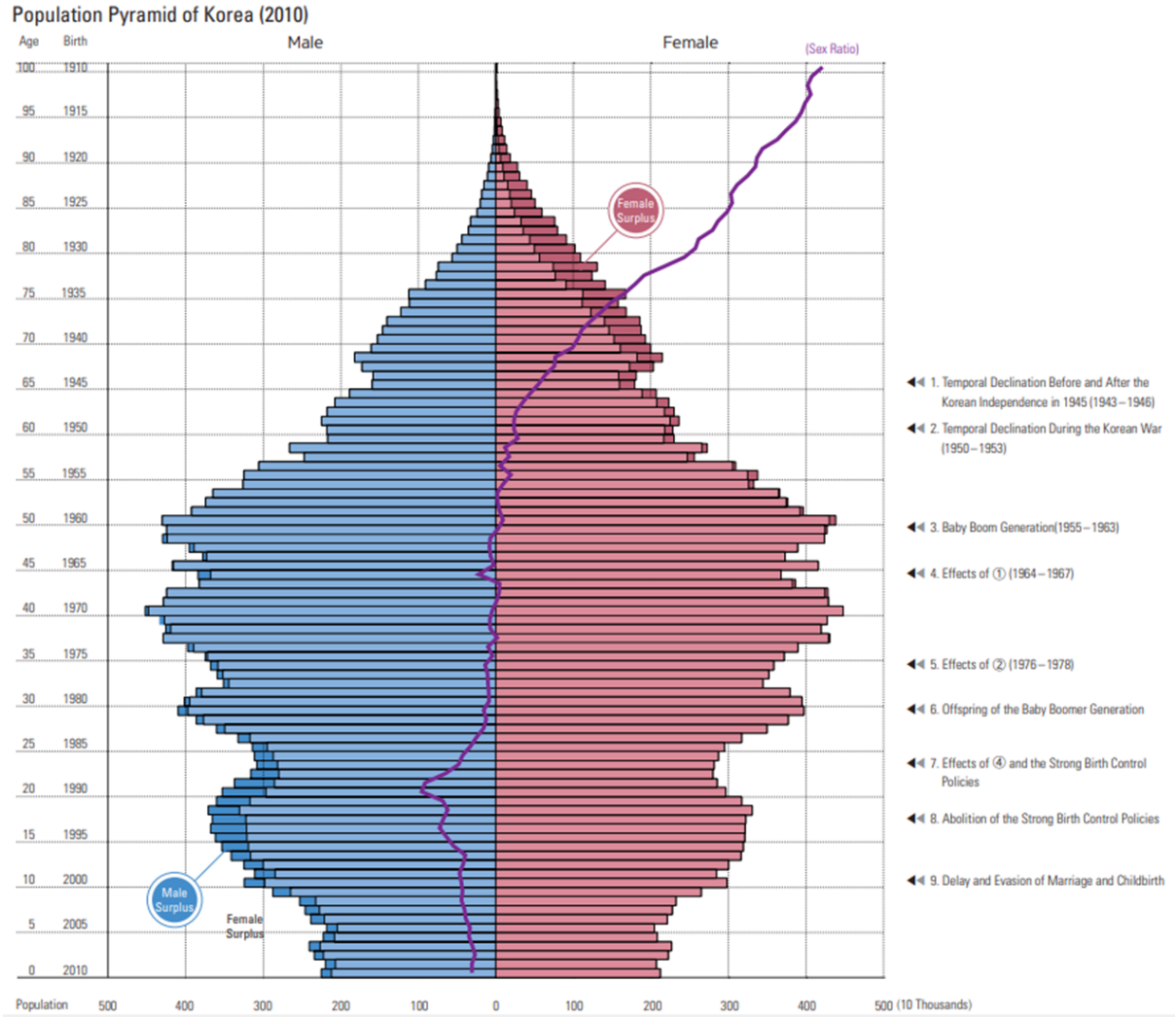
Classification	1995	2000
Total Birth Rate	113.2	110.2
First Child	105.7	106.3
Second Child	111.7	107.4
Third Child and Above	180.1	144.2



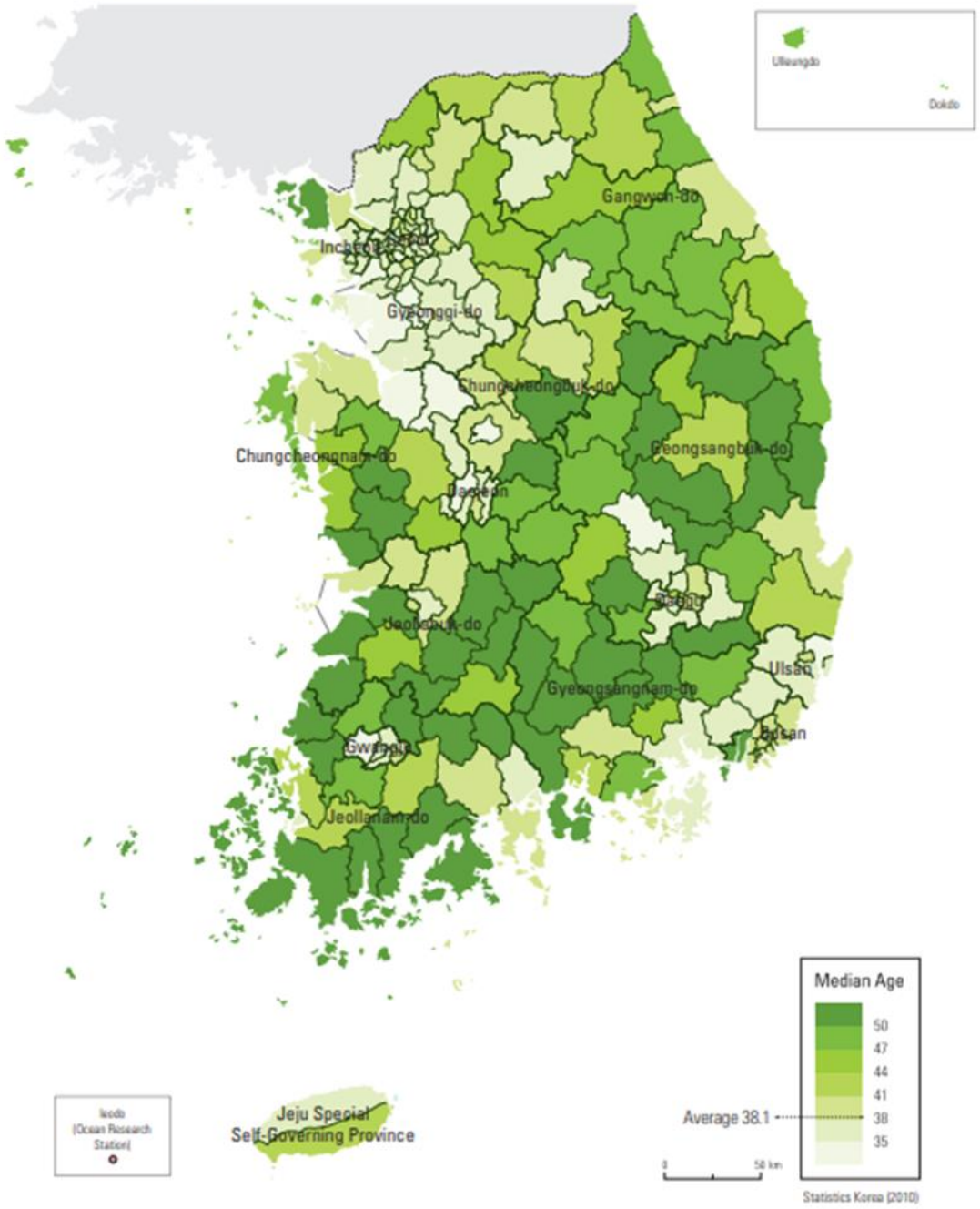
Explain ONE reason for the gender ratio patterns in the 60 and older age cohort.

Sex Ratio by Birth Order

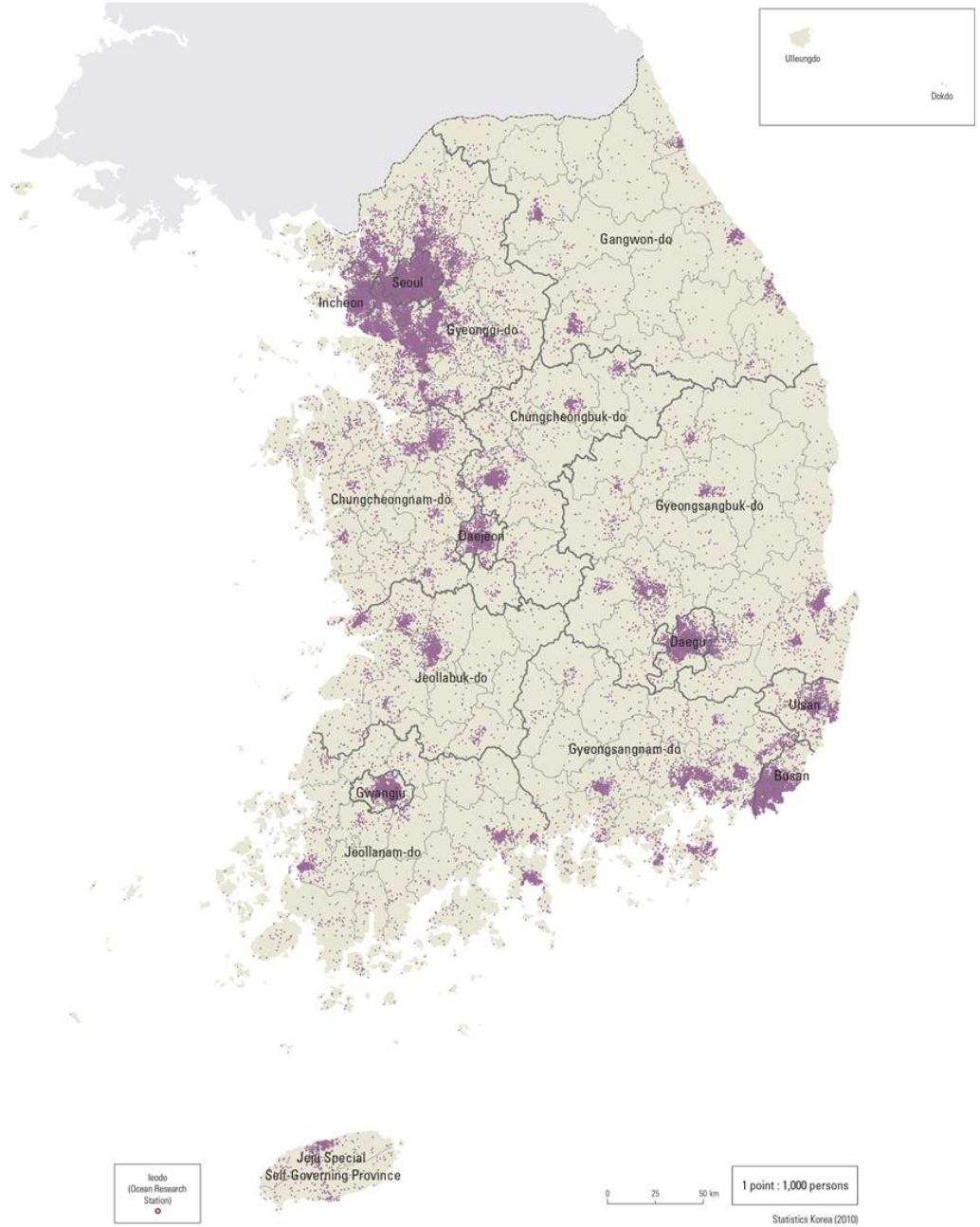
Classification	1995	2000
Total Birth Rate	113.2	110.2
First Child	105.7	106.3
Second Child	111.7	107.4
Third Child and Above	180.1	144.2



Median Age (2010)



Population Distribution (2010)



How can teachers help students understand a complex interconnected world?

Provide geographic **information**

Teach geographic **concepts**

Use data, maps, and graphs

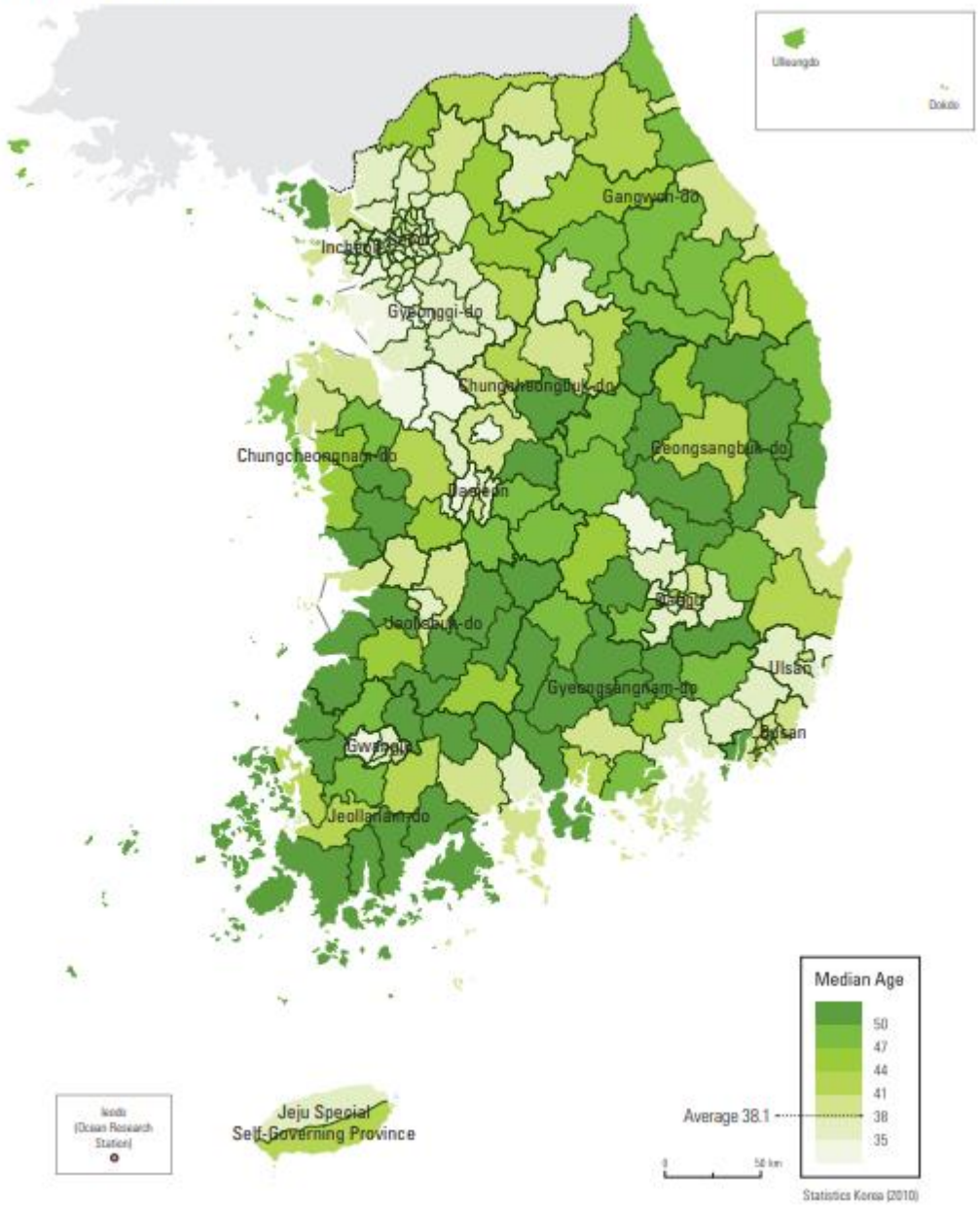
Ask questions which encourage **spatial thinking**.

Geographic Literacy

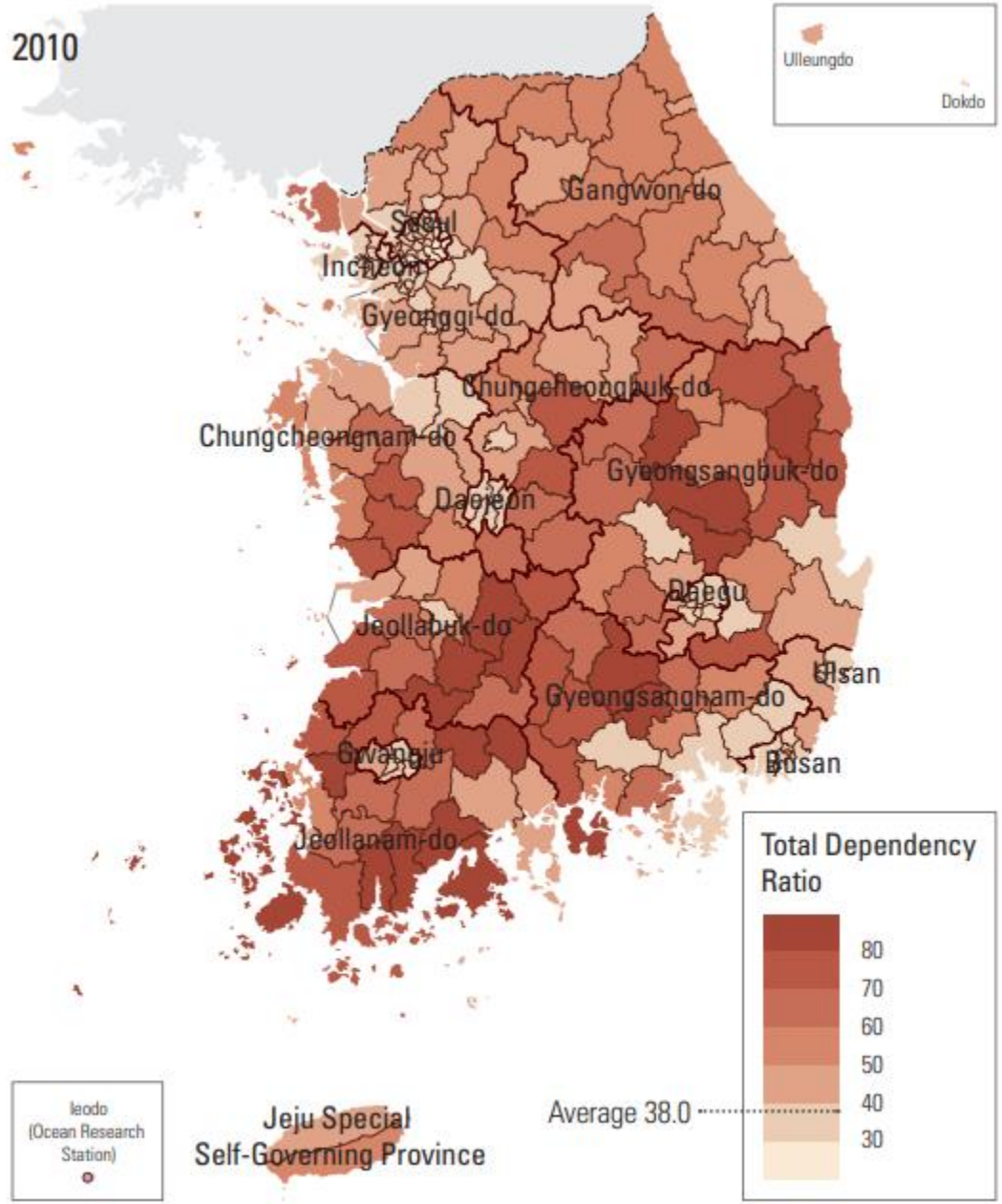
FRQs : Improving Student Performance

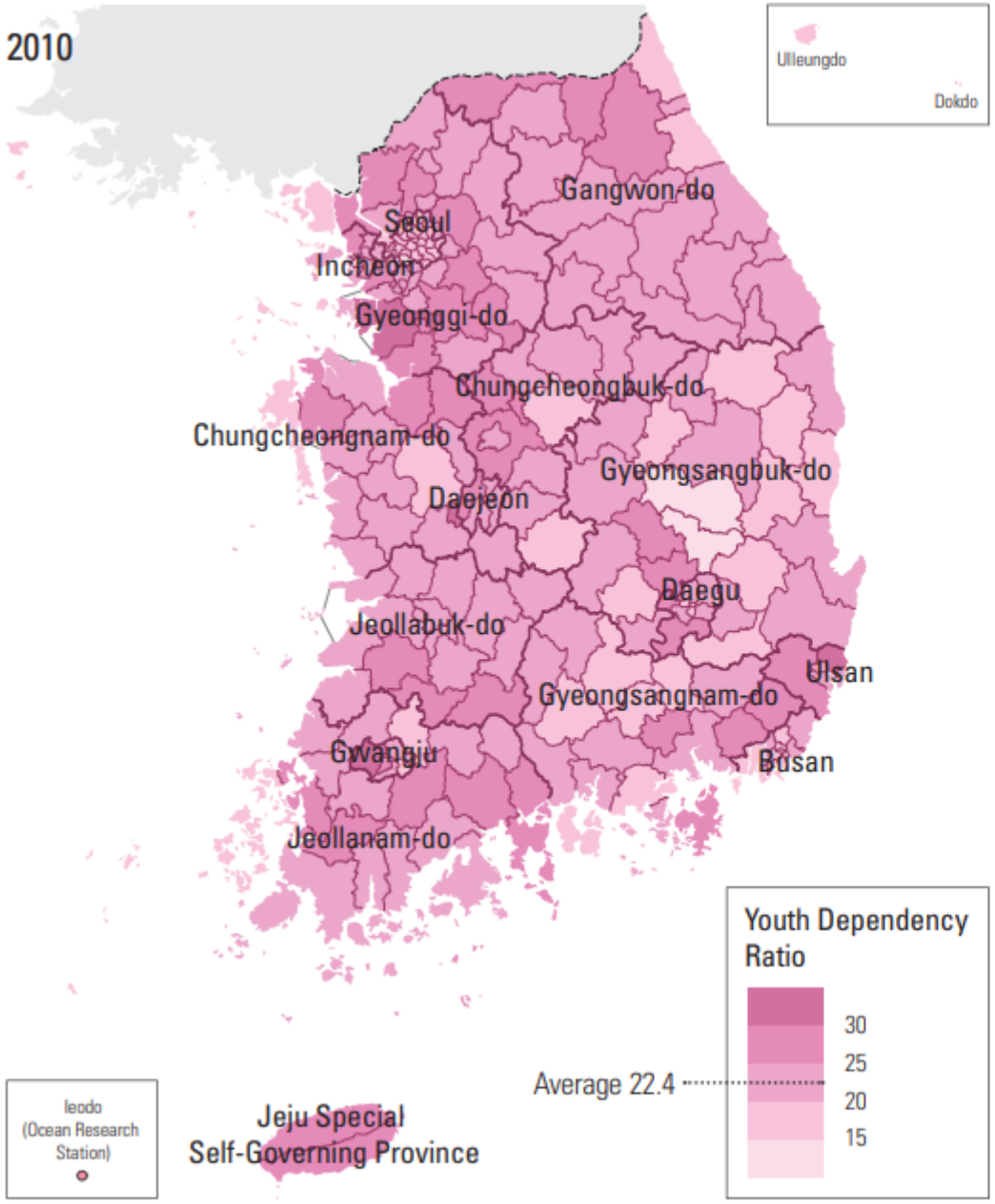
- Read the prompt carefully and to answer all parts of the question (Label the parts).
  - --Scale of the question?
  - --Command verb
- Integrate units with S.P.E.E.D. and E.S.P.N. activities.
- Cover all key words/concepts in CED. Have students master vocabulary and be able to apply the terms to various contexts.
- Do not rely on a single textbook. Use multiple textbooks.
- Penmanship: if it can't be read, it can't be scored.

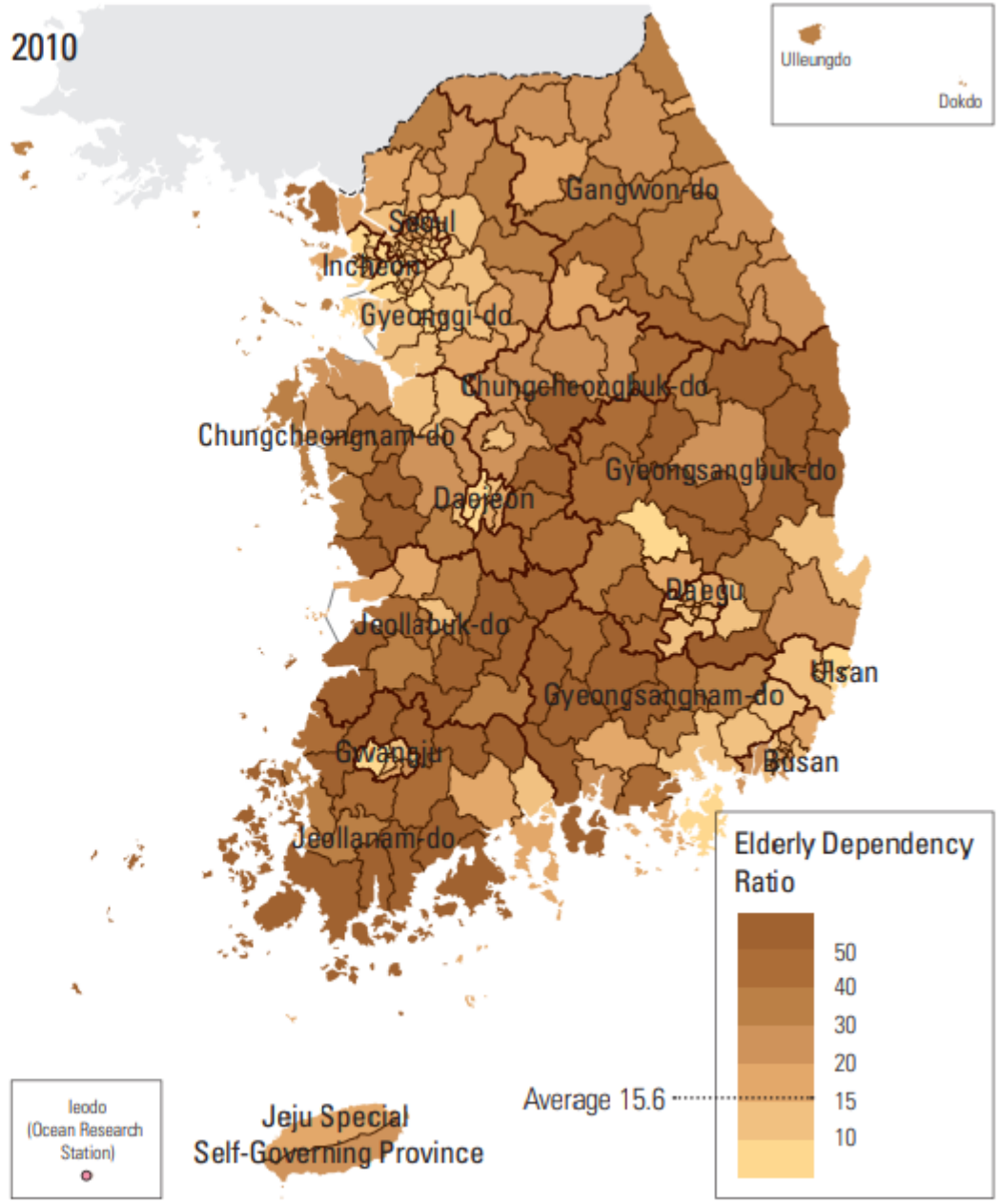
Median Age (2010)



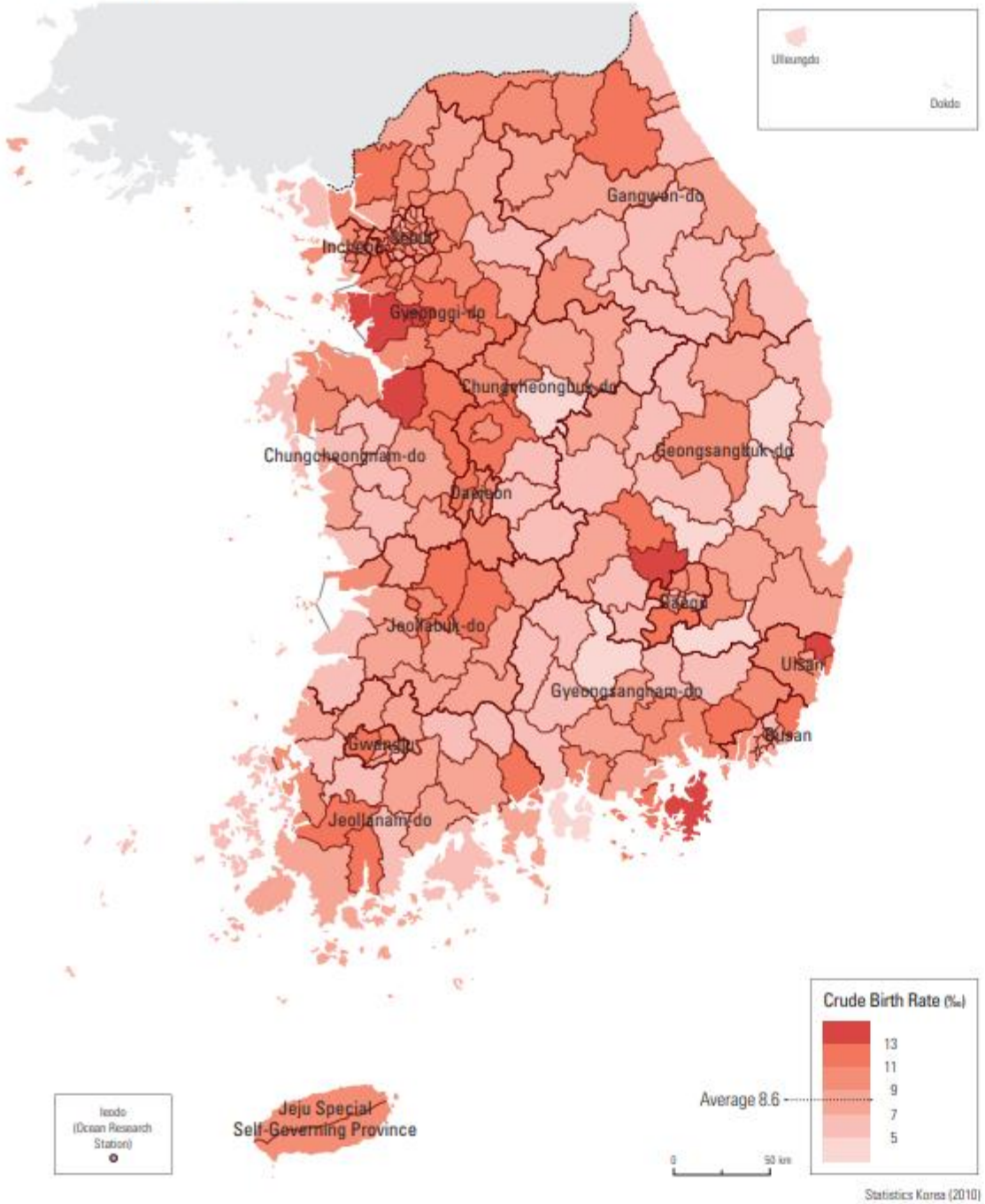
2010




2010
Ulleungdo
Dokdo
Gangwon-do
Seoul
Incheon
Gyeonggi-do
Chungcheongbuk-do
Chungcheongnam-do
Gyeongsangbuk-do
Daejeon
Daegu
Jeollabuk-do
Ulsan
Gyeongsangnam-do
Gwangju
Busan
Jeollanam-do
Youth Dependency Ratio
30
25
20
15
Average 22.4
Ieodo (Ocean Research Station)
Jeju Special Self-Governing Province
Statistics Korea (2010)

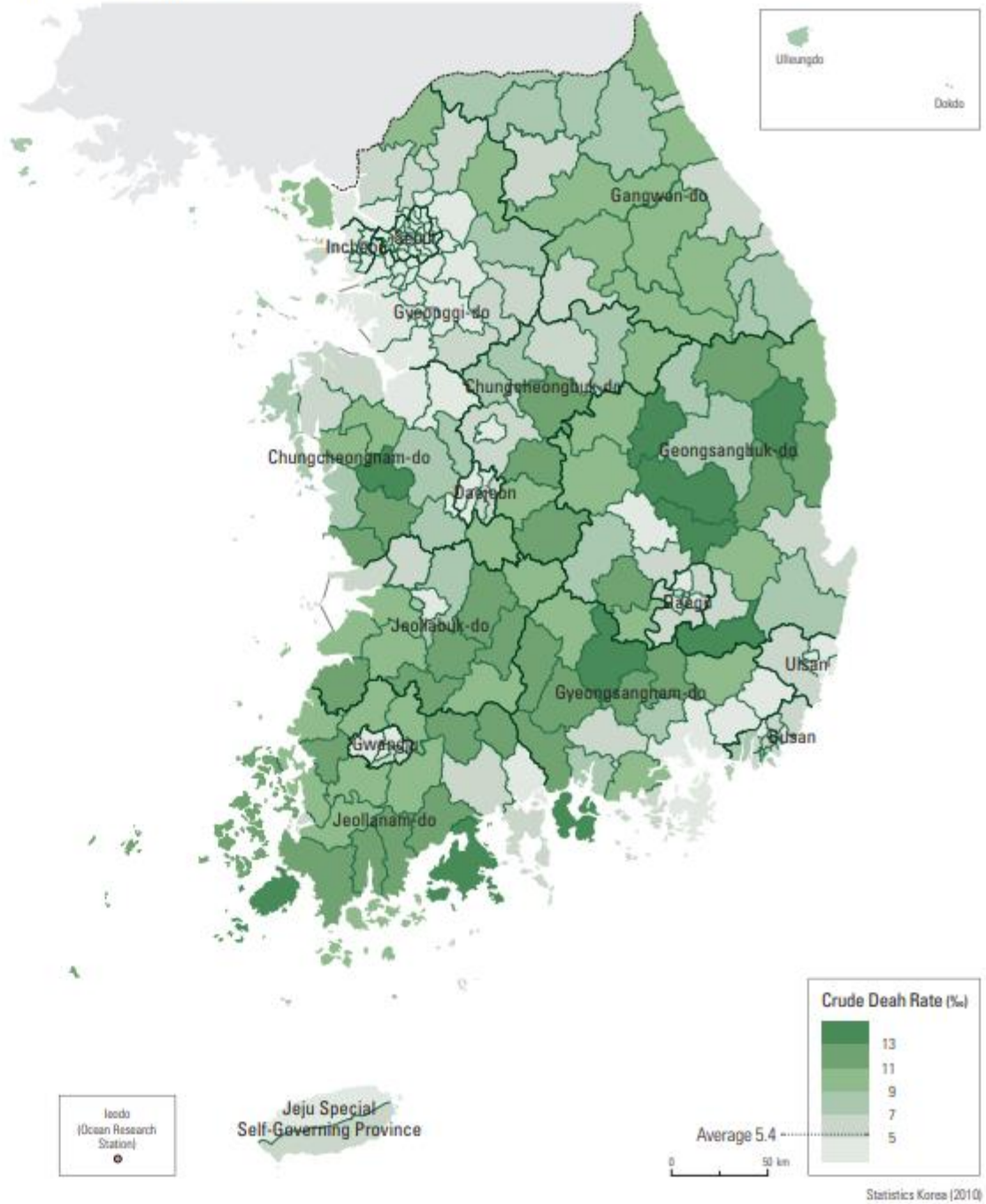

2010
Ulleungdo
Dokdo
Gangwon-do
Seoul
Incheon
Gyeonggi-do
Chungcheongbuk-do
Chungcheongnam-do
Gyeongsangbuk-do
Daejeon
Daegu
Jeollabuk-do
Ulsan
Gyeongsangnam-do
Gwangju
Busan
Jeollanam-do
Elderly Dependency Ratio
50
40
30
20
15
10
Average 15.6
Ieodo (Ocean Research Station)
Jeju Special Self-Governing Province
Statistics Korea (2010)

Crude Birth Rate (2010)



Statistics Korea (2010)

Crude Death Rate (2010)



Statistics Korea (2010)