SOCI 210: SOCIOLOGICAL PERSPECTIVES

Agenda1. Administrative2. Studying populations3. Demographic theories

ADMINISTRATIVE

Reference sheet submission

- Submit your reference sheets on MyCourses by 11:59pm tonight (Feb 19)
- E Only one member of each group needs to submit
- E Assignments
 Midterm reference sheet upload

Reference sheet participation

- *Many* students have not participated in planning or creating the exam reference sheets
- i If only one or two group members contributed to the reference sheet, please let me know in a private message
- E The creation of the reference sheets will be reorganized for the final exam

Studying populations





Demography

- E Study of populations at a macroscale
- At its most basic: understanding the ways populations grow, shrink, and otherwise change
- Example Relationship between population and other sociological factors

Population characteristics

Proportions of socially relevant categories

Ethnicity, gender, religion, etc.

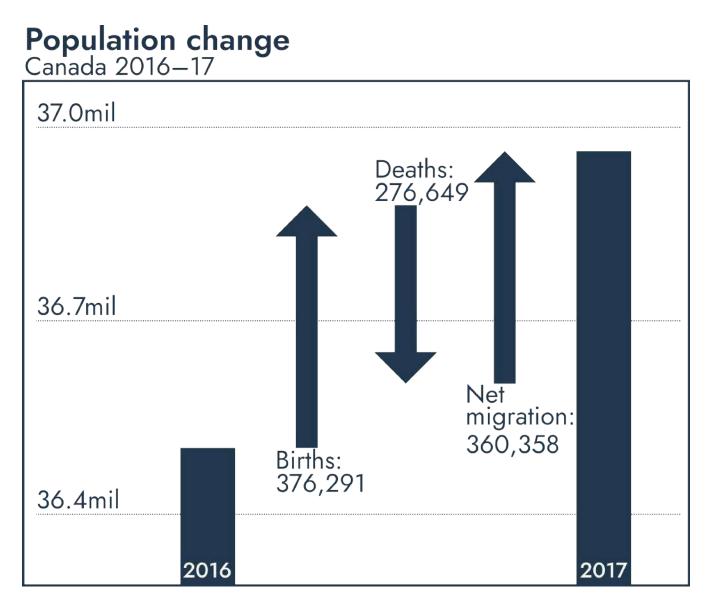
- Rates of change in these populations
- End Theories and mechanisms of change in these populations



Three factors affect changes in population size:

Birth	Example 2 Crude birth rate Number of children born in a given time period, per 1,000 population
	Fertility rate Average number of children that a childbearing person would have over their lifetime, assuming current rates by age
Death	Example 2 Crude death rate Number of deaths in a given time period per 1,000 population
	E.g. infant mortality (number of children who die within a year of birth, per 1,000 live births)
Migration	Example 7 Immigration versus emigration Immigration is migration into a country, emigration is migration out of a country
	EXAMPLE 1 Net number of migrants Immigrants minus emigrants

Total growth = (Birth) – (Death) + (Migration)



left

Population pyramids Canada-2021 (a.k.a. age pyramids) EUbiquitous visual tool in Male Female age demography 100 E Picture of the 'shape' of 95 90 an entire population 85 E Shows size of a 80 75 population at different 70 ages 65 60 E Can compare sub-55 populations on right and 50 45 40 (traditionally gender binary) 35 30 25 20 15

10 5

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100,000

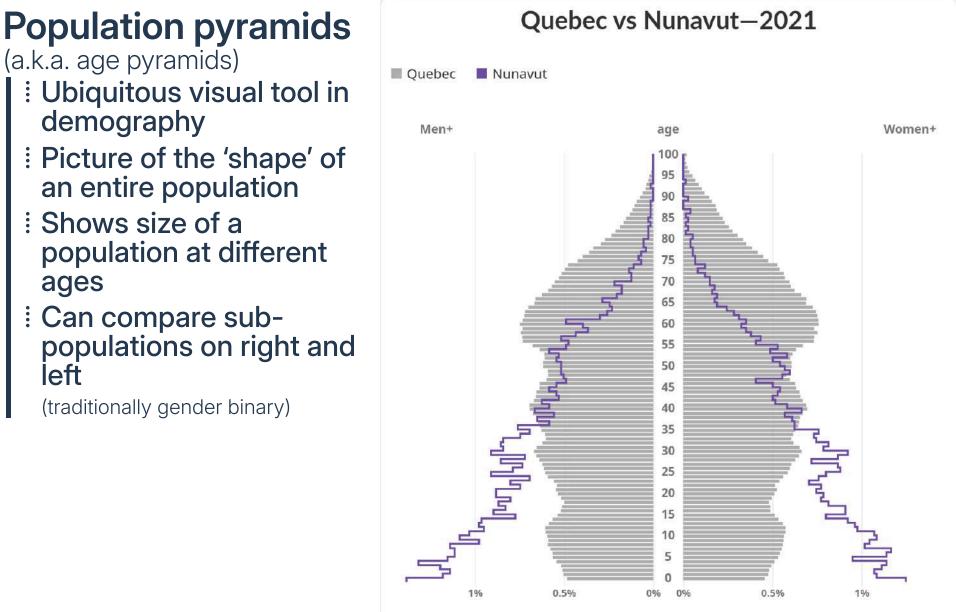
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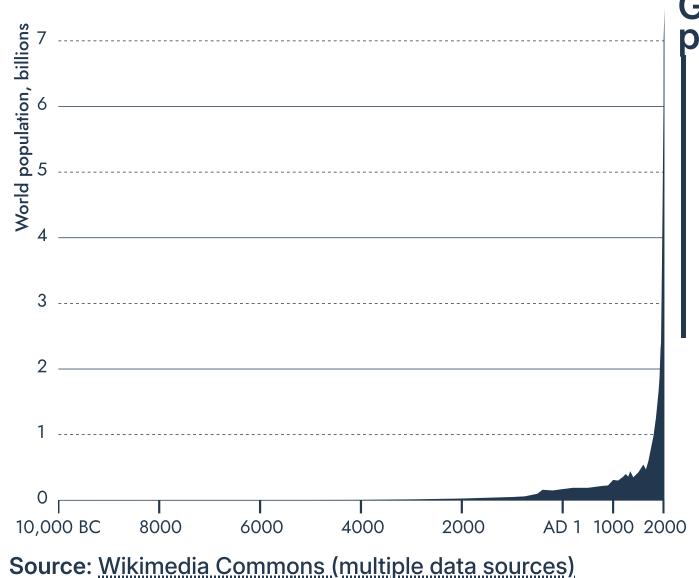


Men+ percent of total population

Demographic theories



DEATHAND THE GLUTTON.



Global population i Increased from about 1.6 billion in1900 to about 6 billion in 2000 i 7 billion in 2012 i 8 billion in 2022 i Continuous growth since 14th century

Malthusian theory (18th–19th century)

- Based on Thomas Robert Malthus' (1766–1834) ideas about the capacity of the earth for human populations
- E Food, violence, and disease create "positive checks" on population
- E Low fertility provides "preventive checks"
- Predicted a cycle of growth and decline of human population



Theories similar to Malthus' are common

Ecological theories of resource limitations

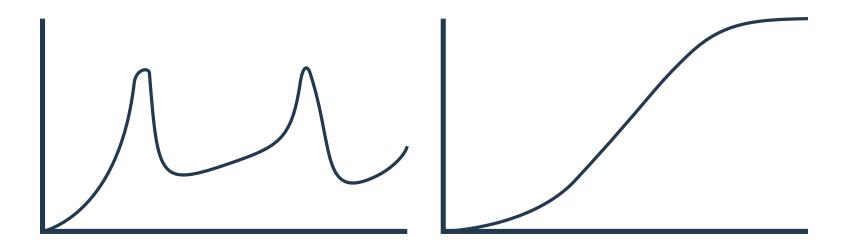
Formal models of populations in resource-scarce environments

Either cyclic (as in Malthus' theory) or predict slow decline in population growth

"Sigmoid" or "logistic" growth

E Still, global population continues to grow

Though growth rate peaked in the early 1960s





Demographic transition theory

- By far the most widespread theory of population change in social sciences
- Aims to explain the empirical observation that birth and death rates have both dropped significantly over the past few hundred years
- i Major claim:

Changes associated with industrialization and modernization cause subsequent changes in mortality and fertility

Demographic transition in four "stages"

DEMOGRAPHIC TRANSITION

The four stages of demographic transition theory:

Stage 1



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- Birth and death rates are high, life expectancy is short
- Minimal population growth
- EVEN Ubiquitous throughout most of human history

Transition out of stage 1 began in some places in the 18th century

Stage 2



- Death rates begin to drop, life expectency begins to increase
- Birth rates are still high
- E Population growth accelerates
- Many current populations display this pattern

E.g. some sub-saharan African nations

Stage 3

- Birth rate begins to drop
- Mortality rate remains low
- E Rate of population growth slows
- Eldentified by significant drop in growth

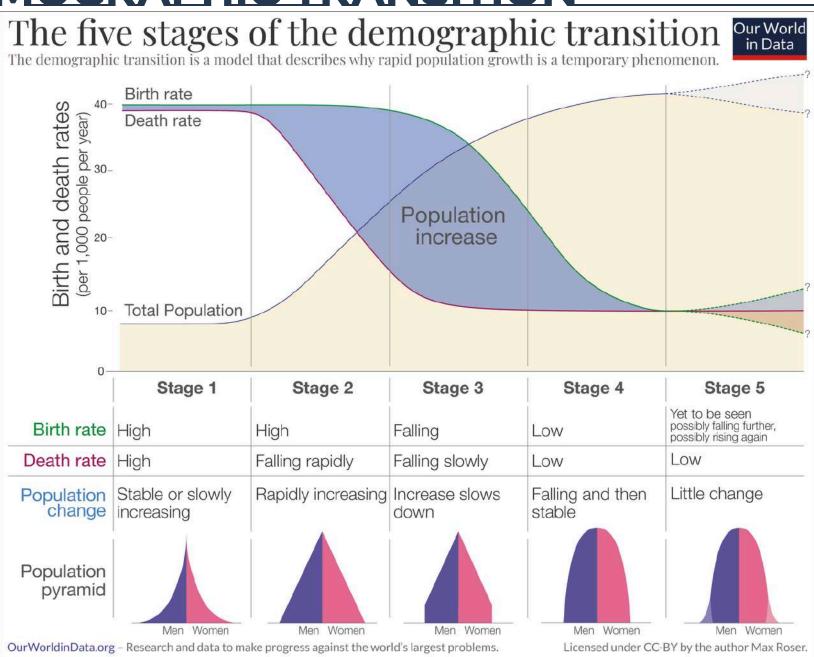
E.g. some Central American nations

Stage 4



- Birth and death rates are both low
- Balanced rates mean slow population increase, or even decreasing population size
- **E.g.** many European and North and South American nations

DEMOGRAPHIC TRANSITION



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DEMOGRAPHIC TRANSITION

Theoretical mechanisms for ...





... decrease in mortality

: Industrialization

Increased access to food and other resources

E Civic and scientific advances

Sanitation, medicine, infrastructure

Economic modernization

... decrease in fertility

Example 2 Decrease in childhood mortality leads do decreased "demand" for children

SLag in fertility and mortality transitions

Urbanization

SChanging role of children in family life

i Increases in employment and education

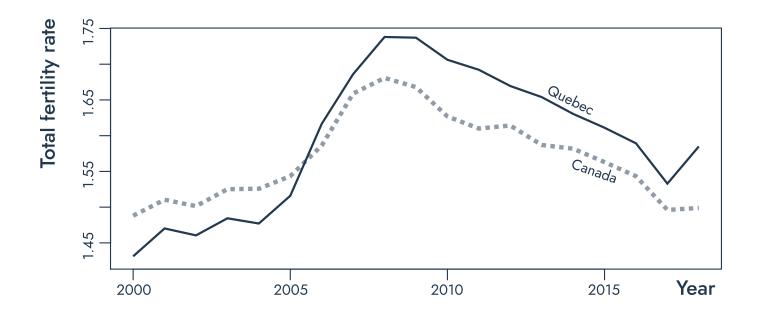
Employment for women normalized, contraception

DEMOGRAPHIC CHANGE IN QUEBEC

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Demography and society

- Although demographic theories are primarily concerned with changes in population size, they are inextricably linked with theories of culture, norms, politics, and institutions.
- E Differences in social environment can explain demographic differences between places.



DISCUSSION

Demography and politics

In groups of 2 or 3, come up with a few examples of the ways that *fertility rates* are discussed in political contexts (e.g. discourse around immigration, education, healthcare, aging, ...)

Image credit



Photo by <u>Rob Curran</u> on <u>Unsplash</u>



Population pyramids from Statistics Canada



CHUTTERSNAP on <u>Unsplash</u> Image from Wellcome

Photo by



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