



VIDEO Clips...

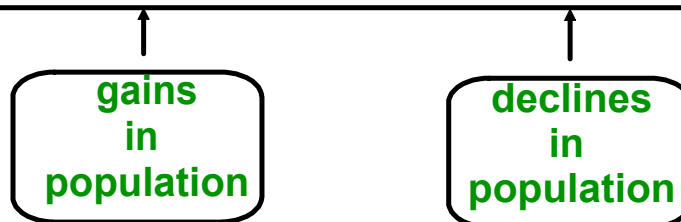


Changing Population Sizes

Four variables affect changes in population sizes...

1. births
 2. deaths
 3. **immigration** - act of entering a nation
 4. **emigration** - act of leaving a nation
- [A person emigrates **from** Germany and then immigrates **to** Canada.]

$$\text{population change rate} = (\text{births} + \text{immigration}) - (\text{deaths and emigration})$$



The term "**population growth**" refers to how the number of individuals in a population increases (or decreases) with time.

Population Growth...

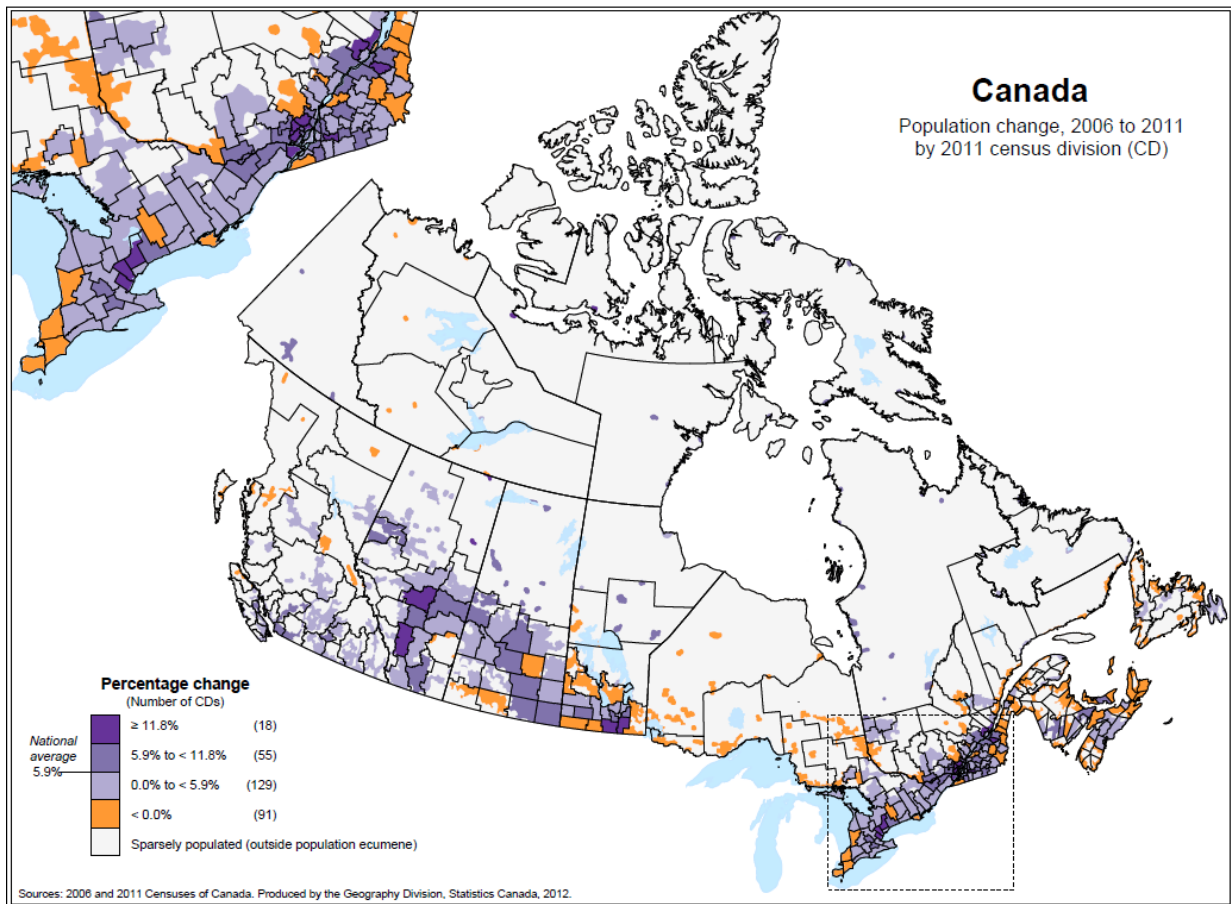
- A population is a group of organisms of one species that interbreed and live in the same place at the same time (e.g. deer population).
- **Organism** → a living thing
- **Species** → level of classification
- The term "**population growth**" refers to how the number of individuals in a population increases (or decreases) with time.
- If a population has a constant birth rate through time and is never limited by food or disease, it has what is known as **exponential growth**.

EXAMPLE of Exponential Growth



Fluctuations of Human Populations...

- LOCALLY
- REGIONALLY
- GLOBALLY



Let's look at some STATS from...

The screenshot shows the top section of the Statistics Canada website. It features the 'Statistics Canada' logo on the left and the 'Canada' logo on the right. Below the logos is a search bar with a 'Search' button. A navigation menu includes 'Information for...', 'Browse by subject', 'Browse by key resource', and 'Help'. The breadcrumb trail reads: 'Home > Census > Data products > Highlight tables > Population and dwelling counts'. The main heading is 'Population and dwelling counts, for Canada, provinces and territories, and designated places, 2011 and 2006 censuses'. Below this are links for 'About', 'Data table', 'Download', and 'Related data'. A section titled 'Select a province or territory' contains a dropdown menu with 'New Brunswick' selected and a 'Submit' button.

This screenshot shows the 'Population and demography' section. The main heading is 'Population and demography'. Below it is a sub-section titled 'Births and deaths' with a small image of a family. The text describes: 'Live births, stillbirths, fertility rates, pregnancies, abortions, deaths, causes of death, deaths in hospitals, mortality rates, and life expectancies.'

The screenshot displays the article 'The Canadian Population in 2011: Age and Sex'. It includes a link to 'Full article in PDF' and a 'Share this page' button. A 'Table of contents' section lists the following items:

- [Highlights](#)
- [Part 1: National portrait](#)
- [Part 2: Provinces and territories](#)
- [Part 3: Portrait of metropolitan and non-metropolitan Canada](#)
- [Part 4: Portrait of municipalities \(census subdivisions\)](#)
- [Additional information](#)

Be able to summarize the video - take notes!

VIDEO: Easter Island



click here or copy/paste...

<http://safeshare.tv/w/SXONUCGZCm>

HOMEWORK... must be done by TUESDAY!

[Read - Lessons from Easter Island.pdf](#)



Attachments

Read - Lessons from Easter Island.pdf