Population Growth...

- A population is a group of <u>organisms</u> of one <u>species</u> 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...

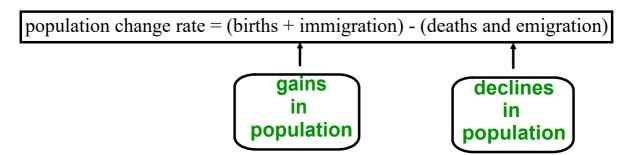
- LOCALLY
- REGIONALLY
- GLOBALLY

Changing Population Sizes

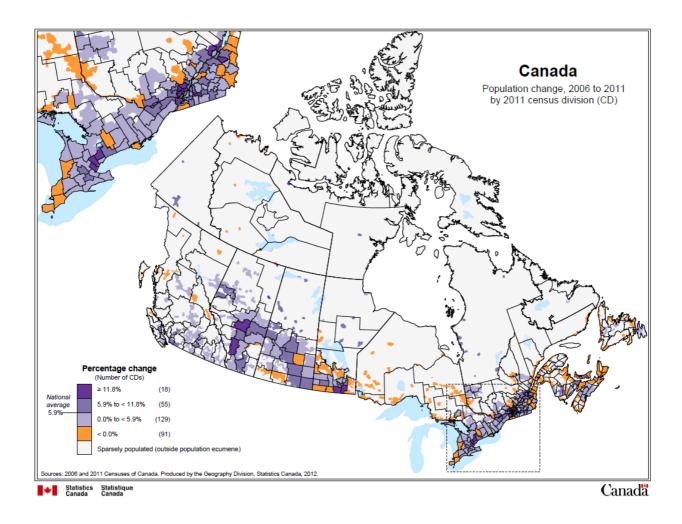
Four variables affect changes in population sizes...

- 1. births
 2. deaths

 A person emigrates **from** Germany and then immigrates **to** Canada.
- 3. immigration act of entering a nation
- 4. **emigration** act of leaving a nation



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



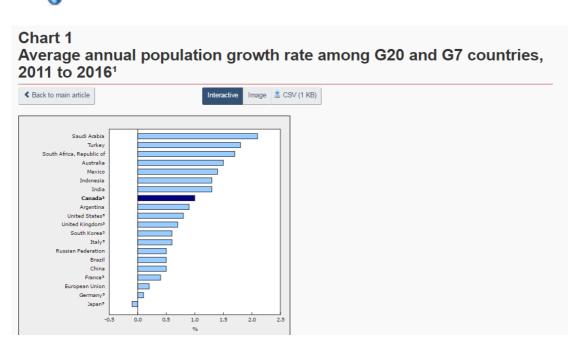
Let's look at some STATS from...

http://www12.statcan.gc.ca/census-recensement/index-eng.cfm?HPA=1

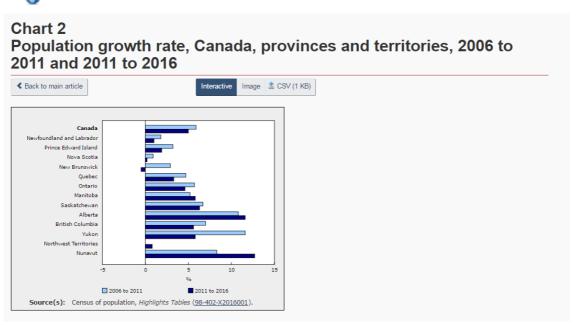




http://www.statcan.gc.ca/daily-quotidien/170208/cg-a001-eng.htm

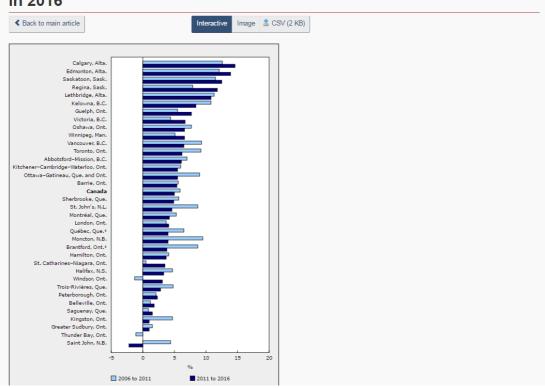


http://www.statcan.gc.ca/daily-quotidien/170208/cg-a002-eng.htm



http://www.statcan.gc.ca/daily-quotidien/170208/cg-a003-eng.htm

Chart 3
Population growth rate among census metropolitan areas (CMAs) in Canada, 2006 to 2011 and 2011 to 2016, ranked by percentage growth in 2016



LAB: Mark-Return-Recapture

1.2 A Sample Census-Wildlife.doc

Classroom







Lab - Mark_Return_Recapture.pdf

Lab Report - Mark_Return_Recapture.pdf

Field..Miramichi River







NOTES: - Only 1 lab report needs to be passed per group.

- If you are absent, see me to make it up during IS.
- link is below for the extension question.

http://www.miramichisalmon.ca/northwest-miramichi-river-smolt-study/

DUE: By the end of class on Friday

1.2 A Sample Census-Wildlife.doc

Lab - Mark_Return_Recapture.pdf

Lab Report - Mark_Return_Recapture.pdf