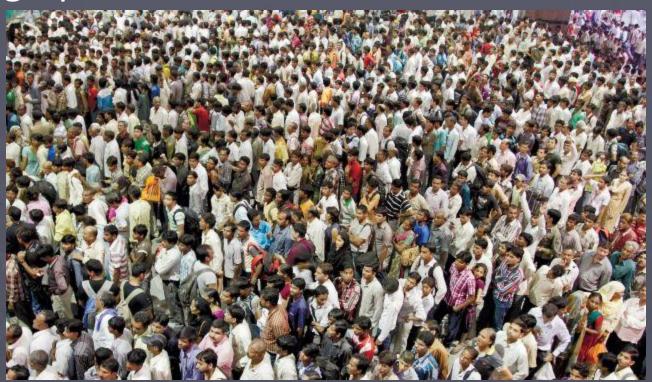
Basics of Population Geography

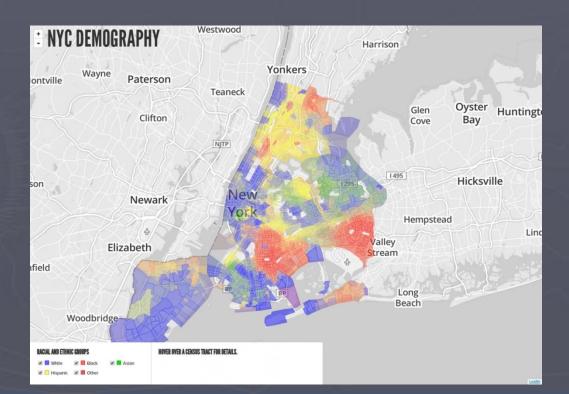
Population

The number of people within a given geographic area



Demography

- The study of population characteristics
 - Looks at spatial distributions of people by age, gender, occupation, fertility, health, etc...



Physiological Density

- The amount of people divided by the amount of arable land
 - Ex. USA is 445 per square mile, Egypt is 6,682 per square mile
- The higher the physiological density the greater the pressure the people put on the land to produce food



Agricultural Density

- Is the ratio of the number of farmers to the amount of arable land
 - USA has 2 farmers per square kilometer, China is
 145 farmers per square kilometer

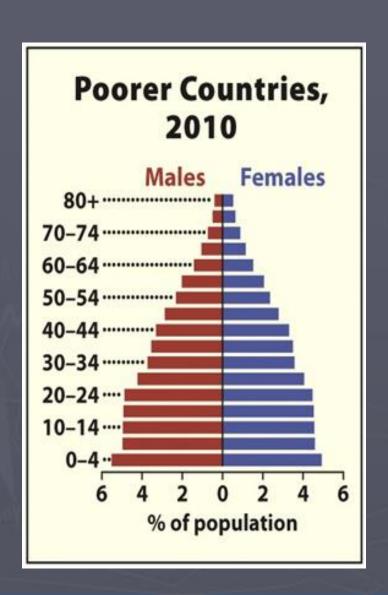


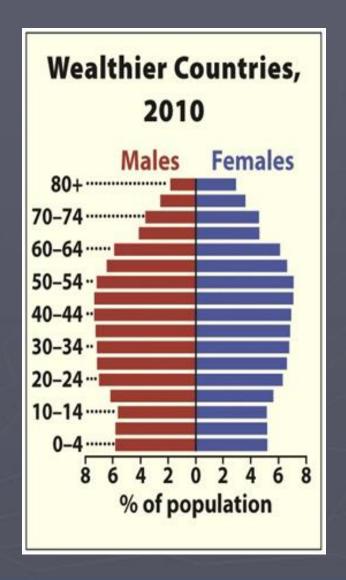
Overpopulation

 Refers to the over-exertion of resources given a population's need in a specific area.

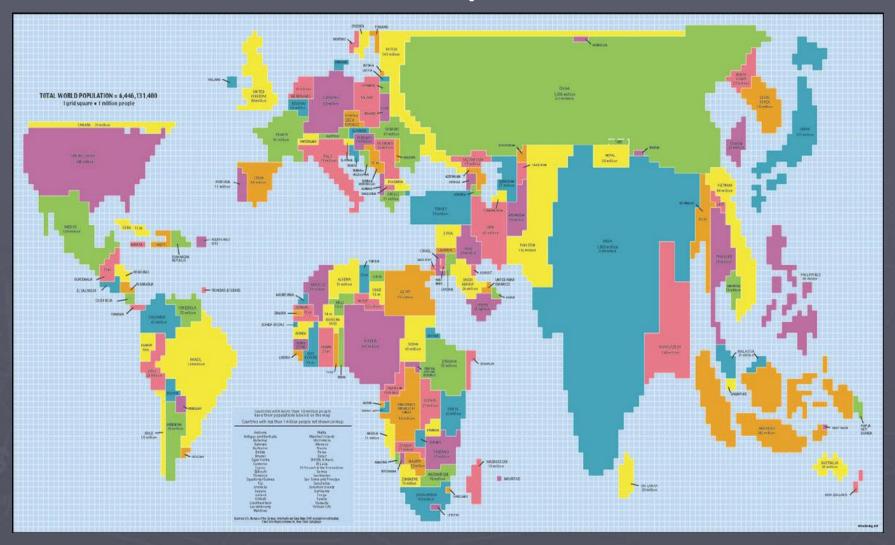


Mapping Data – Population Pyramids

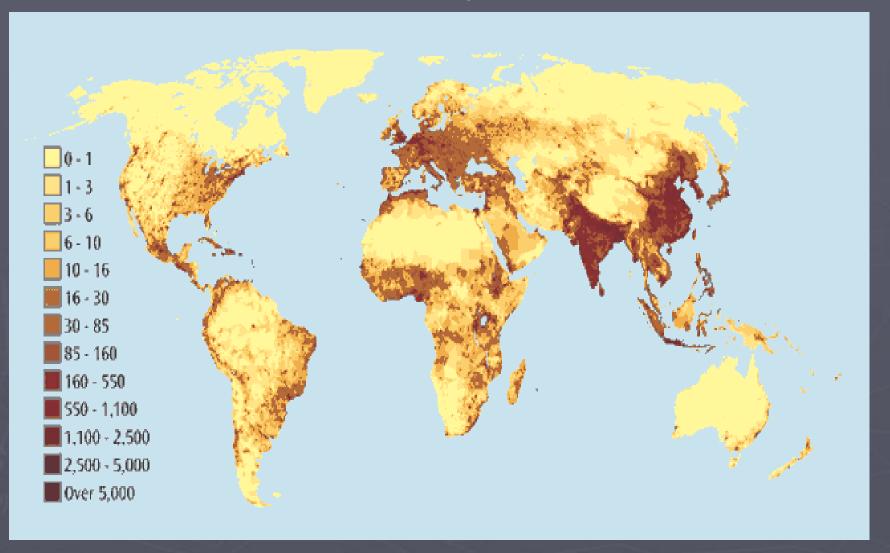




Mapping Data – Population Cartogram Map

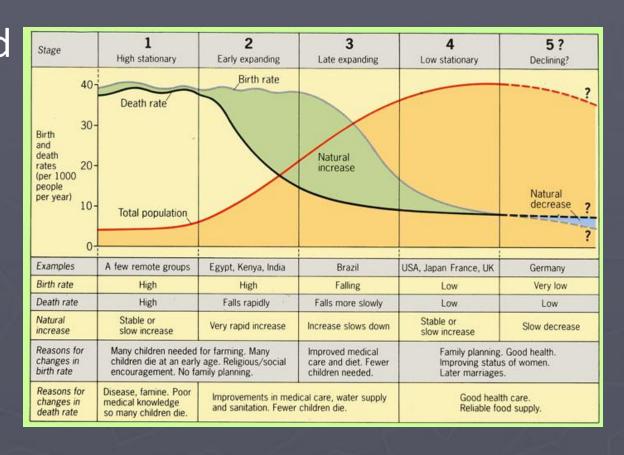


Mapping Data – Population Density Map



The Demographic Transition Model

 Uses Crude Birth Rate and Crude Death Rate to calculate population growth at different stages of development

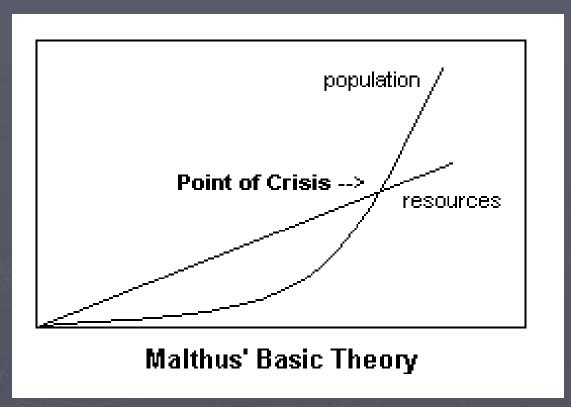


Thomas Malthus (1766 – 1834)

- English Economist
 - -1766-1834
 - Considered to be father of Demographics
 - Made observations of England's working class during industrial revolution

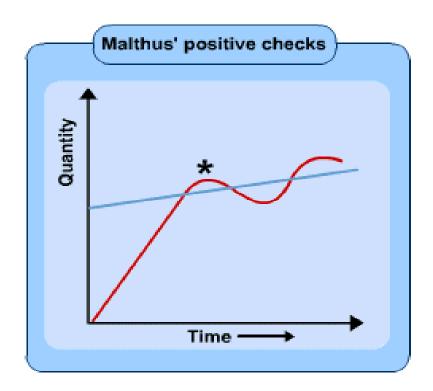


Population vs. Resources



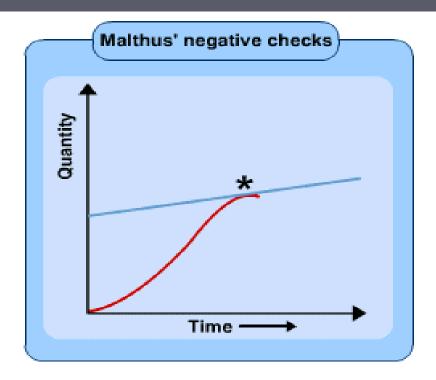
 For stages 1-3 resources exceed population, then as population exceed resources this leads to "misery"

Positive Checks



* Population exceeds food supply and is kept in check by war, famine, or disease. It then drops below the food supply. As the population recovers, so the cycle continues.

Negative Checks

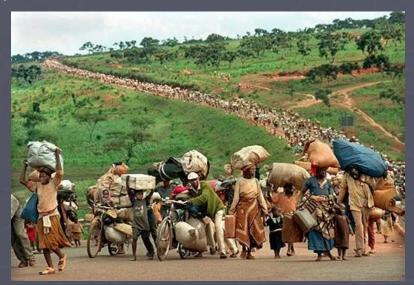


* Here, as population starts to approach the limits of the food supply, so growth slows. Malthus says this slowing is caused by delayed marriage.

Neo-Malthusians

- 2. Neo-Malthusians Robert Kaplan and Thomas Fraser expanded Malthus' ideas to more than just food, but to also include energy resources
 - Argue wars and civil violence will increase as food,
 clean air, fuel, and suitable farmland become

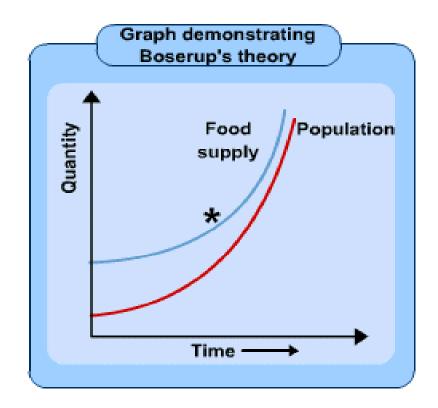
more scarce



20th Century Thought

- Esther Boserup
 - Optimistic view of population growth
 - As population approached crisis the world would respond with assistance spawning economic growth and new technologies
- Julian Simon
 - Population growth spurs economic development
 - More people means more ideas

Boserup's Theory



* Boserup argues that as the population approaches the limits of the food supply, that food supply increases as new technology improves yeilds.