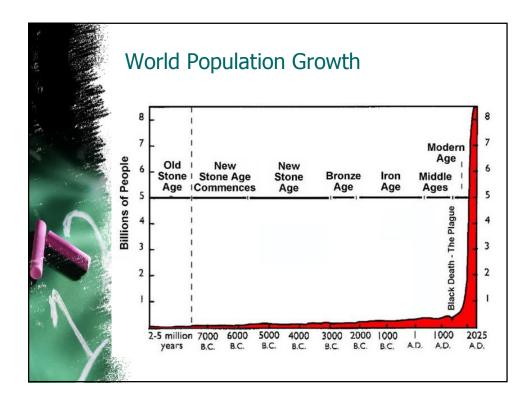
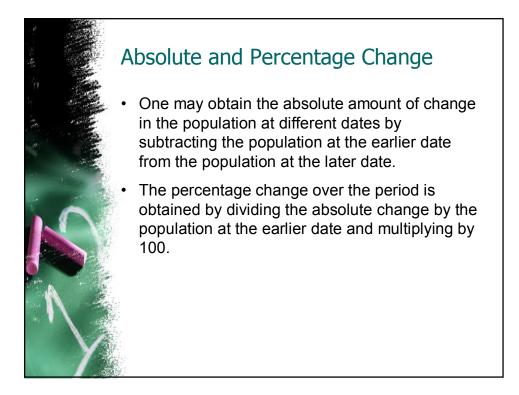
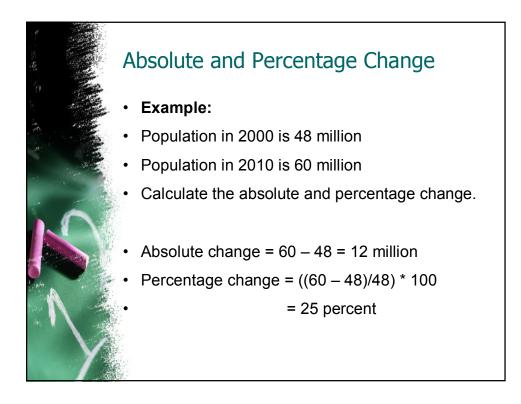


Defining Population Change • Population change is measured as the difference between the size of the population at different dates.







Problems in the Measurement

- Three problems are usually associated with the measurement of population change:
 - 1. Change in Territory (Geographical Area)
 - 2. Change in Definition
 - 3. Change in Coverage



Change in Territory

- The national territory in which enumeration takes place may change as the result of conquest, treaties, advancement of the frontiers of settlement, and similar events.
- Within national boundaries, water areas may be transformed into land areas, and vice versa
- Often, it is possible to show the population within constant boundaries and then to compute the change for this area.

Change in Definition

- Populations may be defined in different ways, and changes from one definition to another over time hinder assessments of population growth.
- Population data may be collected using *de jure* counts, or *de facto* counts.
- A change from a *de jure* to a *de facto* basis in taking a census will not ordinarily have a great effect on the intercensal change at the national level, but it will often greatly affect the change in the population of certain geographic subdivisions (governorates/provinces/regions).



Change in Coverage

- The last consideration of the problems in measuring population change is whether the completeness of coverage has remained consistent.
- If the net undercount of the population varies among censuses, estimates of intercensal growth will be biased upward when coverage improves and downward when coverage worsens.
 - If we know the percent undercount, we can obtain an adjusted population.





Next Week

- April 15: Methods of Measuring Population Change
- Readings:
- Siegel, J. & Swanson, D. Chapter 11 ; pp :253-264.

Assignments:

- Calculate the absolute and percentage change of your country's population – or a country of your choice – in the last two successive censuses.
- Comment on the results