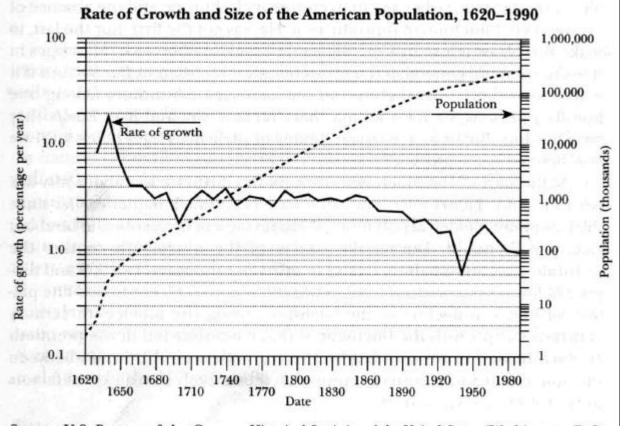
Economic C23-1 Lecture 9

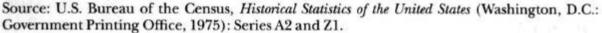
Population Growth and Redistribution

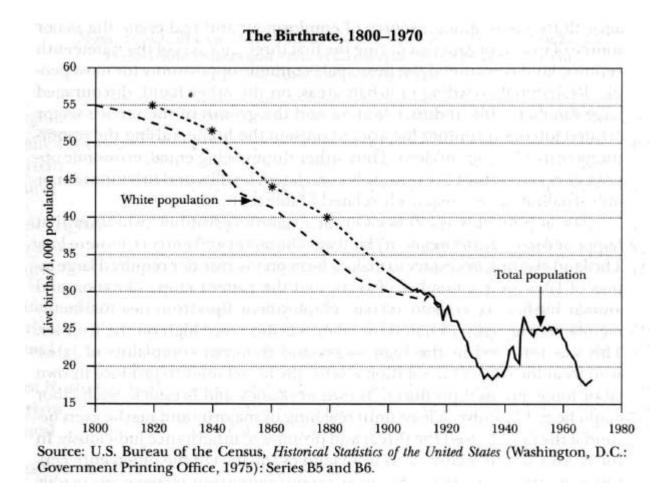
 $p^* = (b^* - d^*) + (i^* - m^*)$

where b* is the birthrate d* is the deathrate i* is the immigration rate m* is the migration rate

We'll say a little about each (except m*)

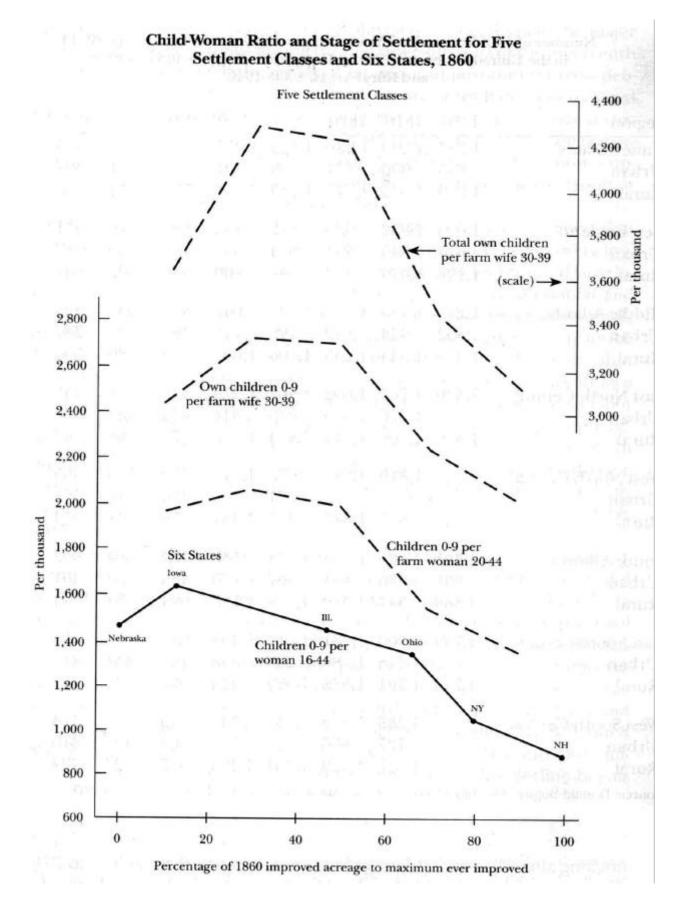






I. Birth

The birthrate has been falling from as far back as we have records: rate falls by half in 19th c. why? Key to most explanations is access to land (in cities, on farms) -> bequest model of fertility Evidence? Problems?



II. Death

How to explain the pattern?

Better medical care? Better medical knowledge? Reduced diseasevirulence? Improvements in hygiene? Better sanitation?

All these were offered as explanations for declining crude death rates (deaths/pop.) From 1700 through 1700

| 1700 | 40 per thousand |
|-------------|-----------------|
| 1850 | 23 |
| 1900 | 17 |

Problems: the cohort data show a different story; none of these explanations has support **The Antebellum Paradox**

Possible explanations for rising mortality (declining life expectance) at age 10) even as GNP was rising

- 1. urban disamenities
- 2. greater market integration

Diseases Choices

3. greater inequality

Evidence: height

III. Immigration

Sources Rates Reasons

The patterns of immigrant adjustment

1. settlement

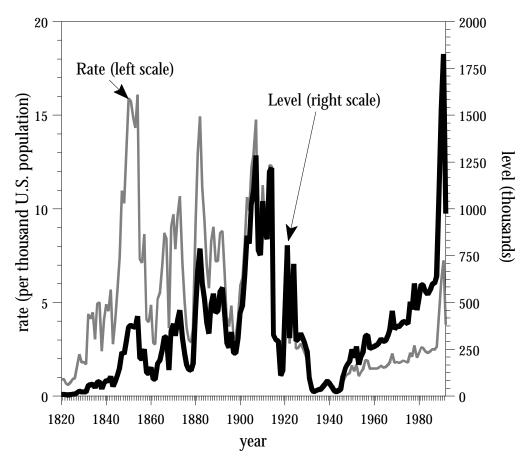
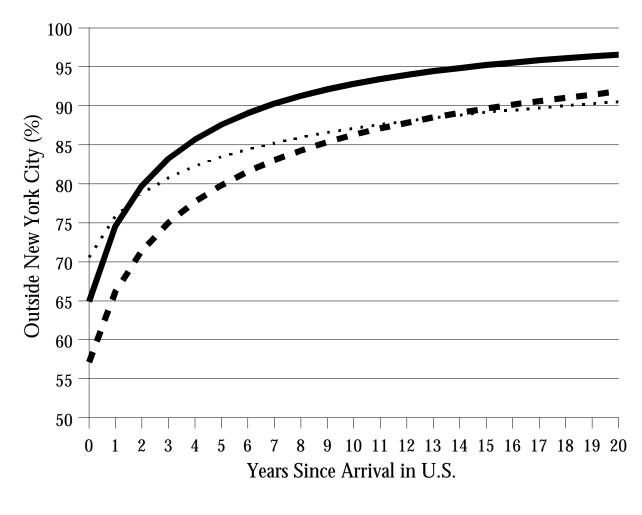


Figure 1-4. Immigration to the U.S. (rates and levels), 1820-1992. Source. U.S. Census Bureau, Historical Statistics, series C 89, A 6; U.S. Census Bureau, Statistical Abstract.



British – – – Irish - - - - German

Figure 1-5. Percentage of 1840-50 arrivals at New York located in New York by years since arrival in the U.S. and origin. *Note*. See text for estimating procedures. *Source*. 1840-50 immigrants linked from passenger ship lists to 1850 and 1860 census manuscript schedules.

accupational attainment wealth accumulation

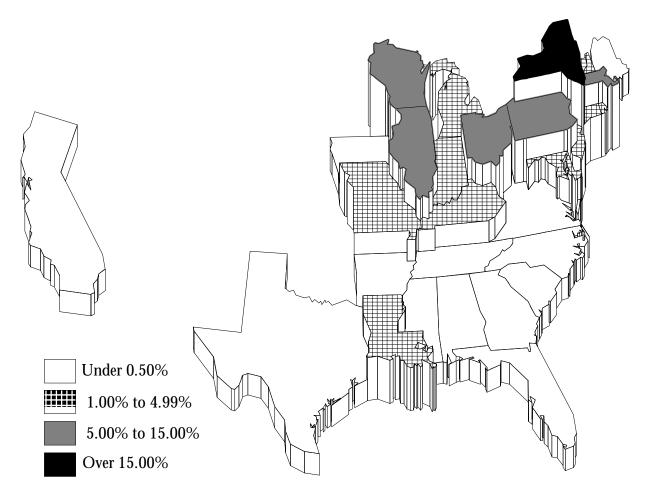


Figure 1-6. Distribution of immigrants by state (1850). Source. 1840-50 immigrants linked from passenger ship lists to 1850 census manuscript schedules.

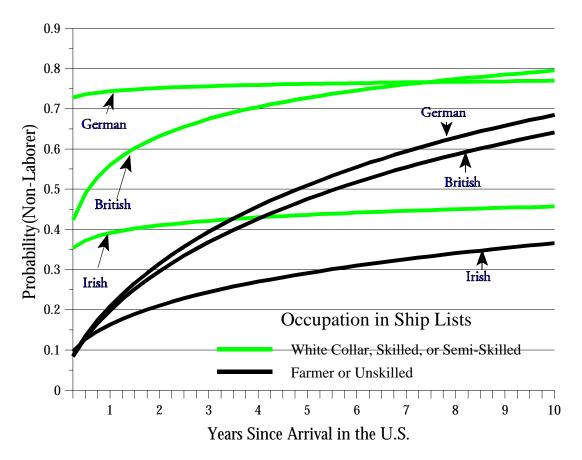


Figure 1-7. Probability of attaining an occupation other than "unskilled" by time since arrival. *Note*. Assuming a Weibull hazard function.

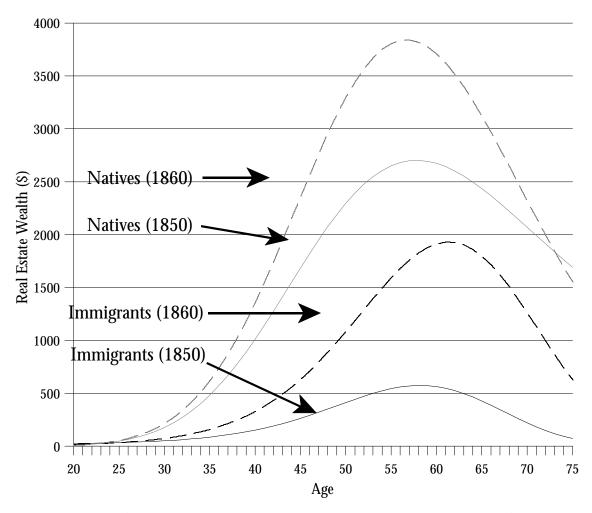


Figure 1-8. Estimated real estate wealth by age for natives and immigrants, 1850 and 1860.