

10-10-05

①

Models So Far

Linear

Exponential

-

Logistic

Demographic Transition.

-

Stages in Demographic  
Transition

I. High Birth rate

- Kids are an economic resource
- No Birth control
- High Mortality

High Death Rate

No medical technology  
Living conditions Sanitation

So Growth rate is low (2)  
p 126 Sri Lanka 1850 - 1910

Growth = Births - Deaths

---

Stage 2.

- Agriculture → Industry
- Rural → Urban
- Medical care improves  
Sanitation " "

Birth rate stays high

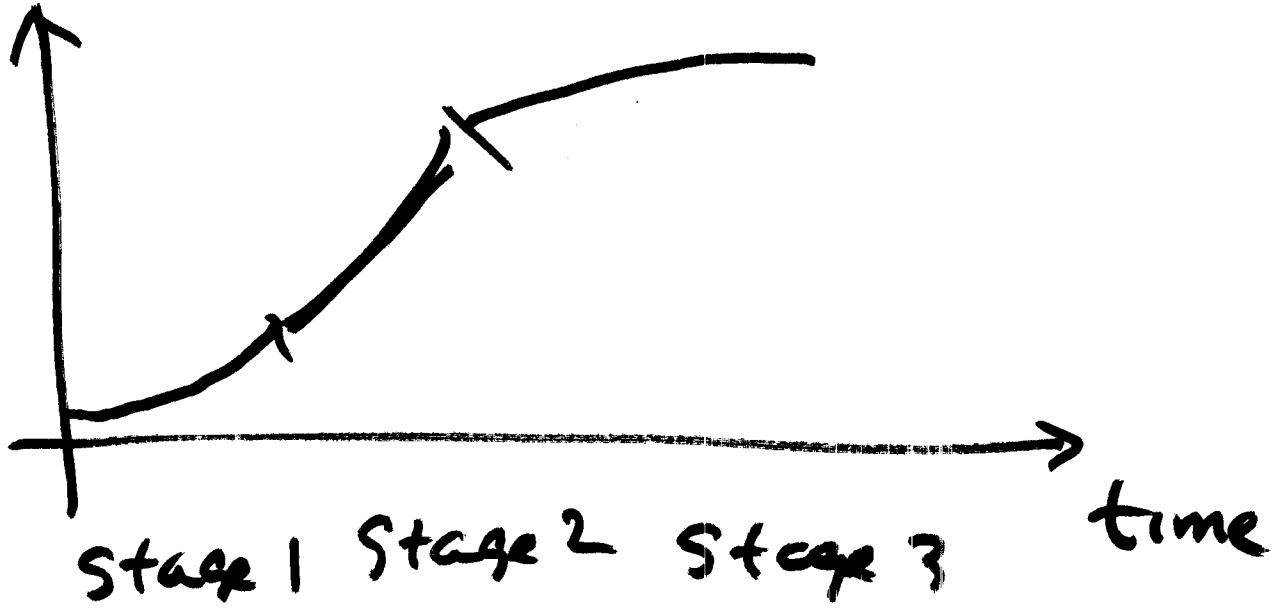
Death rate drops

So growth rate increases

Sri Lanka through 1950

3

Pop of Sri Lanka



Demographic Transition

More Qualitative

Uses general social descriptions to determine trends in growth rate.

- Can't be dumped into Excel.

## Stage 3.

④ ⑤

Birth Rate Falls

Death Rate still low.

\* Kids become expenses rather than assets (Child Labor Laws).

Kids go to school instead of work

\* Women

- Working more

- Having Children Later

- Education

- Knowledge about Birth Control

Sri Lanka 1950 - 2000

Sweden. Stage 3

Birth rates decreasing since 1750 but started dropping significantly at ~ 1850

Death rates - steady decline since 1750

Stage 3 started ~ 1850.

Social Security

Compare # retirees

# working

Sri Lanka Sweden

Lower

Higher

Sri Lanka

80+

75-79

70-74

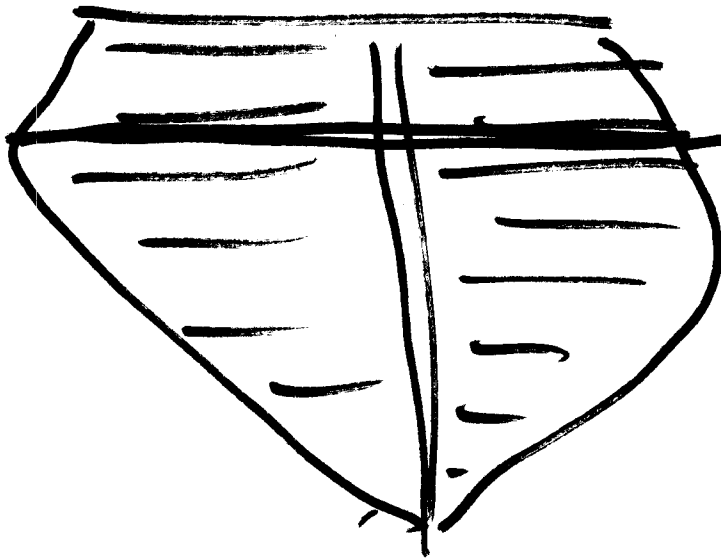
65-69

.4

6 

---

Italy / Japan



retirement  
age

increased ration

retirees  
working.

Ch 5/6 due this week

Test Next Week

Chs 5-6