

Mortality Model for Multi-Populations: A Semi parametric Comparison Approach

Lei Fang, Wolfgang Karl Härdle, Juhyun Park

Comment by Julien Albertini
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I don't know so much about this literature. But very interesting paper.

Japan

- Female death rate falls substantially since 1947, especially for young (around age 20).
- Female fertility rate falls substantially since 1947. Max rate moves from 25 to almost 30.

China

- Falls in the female and male death rate (on this short sample)

Main goal

- Finding if Japan and China share similarity in the mortality rate
- In yes, help to forecast.

Technical side

- multi-population mortality model with similar trend

- What cause the declining profile in the mortality rate in those countries? It seems that the regression take it as given but....
- How can you control for the impact of environmental factors like pollution, access to health care, coverage, government expenditures towards health,
- Country fixed effects, time fixed effects?
- What about China's Malthusian politics? Will it make the forecast difficult in the future?

- To what extent the Japan's mortality rate will be able to help to forecast the Chinese one in the future?
- Is this an artifact from a simple catch up?
- What about mortality rate in South Korea? or other advanced countries? e.g. western European countries vs eastern European countries, etc. Is this result specific to

- What do you mean by *prior*?
- Bayesian sense or initial value?
- Since the initial values are very close to the final one, does your prior influences the estimation of the θ s?
- If yes, is there any problems of identification?